Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
001	PASS	TIA Cat 6 Perm. Link	105 ft	6.1 dB (NEXT)	05/04/2019 01:25 AM
002	PASS	TIA Cat 6 Perm. Link	185 ft	4.3 dB (NEXT)	05/03/2019 11:33 PM
003	PASS	TIA Cat 6 Perm. Link	66 ft	5.9 dB (NEXT)	05/23/2019 09:04 PM
004	PASS	TIA Cat 6 Perm. Link	115 ft	7.6 dB (NEXT)	05/04/2019 02:03 AM
005	PASS	TIA Cat 6 Perm. Link	121 ft	6.4 dB (NEXT)	05/04/2019 01:26 AM
006	PASS	TIA Cat 6 Perm. Link	121 ft	5.2 dB (NEXT)	05/04/2019 01:27 AM
007	PASS	TIA Cat 6 Perm. Link	120 ft	7.6 dB (NEXT)	05/04/2019 03:54 PM
008	PASS	TIA Cat 6 Perm. Link	120 ft	5.7 dB (NEXT)	05/04/2019 01:28 AM
009	PASS	TIA Cat 6 Perm. Link	130 ft	8.0 dB (NEXT)	05/04/2019 01:28 AM
010	PASS	TIA Cat 6 Perm. Link	130 ft	6.6 dB (NEXT)	05/04/2019 01:29 AM
011	PASS	TIA Cat 6 Perm. Link	136 ft	6.5 dB (NEXT)	05/04/2019 01:30 AM
012	PASS	TIA Cat 6 Perm. Link	136 ft	6.2 dB (NEXT)	05/04/2019 01:30 AM
013	PASS	TIA Cat 6 Perm. Link	141 ft	5.1 dB (NEXT)	05/04/2019 01:31 AM
014	PASS	TIA Cat 6 Perm. Link	140 ft	3.3 dB (NEXT)	05/04/2019 01:31 AM
015	PASS	TIA Cat 6 Perm. Link	218 ft	6.9 dB (NEXT)	05/03/2019 08:25 PM
016	PASS	TIA Cat 6 Perm. Link	217 ft	7.1 dB (NEXT)	05/03/2019 08:26 PM
017	PASS	TIA Cat 6 Perm. Link	192 ft	6.8 dB (NEXT)	05/03/2019 08:27 PM
018	PASS	TIA Cat 6 Perm. Link	193 ft	6.1 dB (NEXT)	05/03/2019 08:27 PM
019	PASS	TIA Cat 6 Perm. Link	188 ft	6.5 dB (NEXT)	05/03/2019 08:29 PM
020	PASS	TIA Cat 6 Perm. Link	187 ft	7.2 dB (NEXT)	05/03/2019 08:29 PM
021	PASS	TIA Cat 6 Perm. Link	88 ft	6.7 dB (NEXT)	05/03/2019 08:31 PM
022	PASS	TIA Cat 6 Perm. Link	88 ft	7.5 dB (NEXT)	05/03/2019 08:31 PM
023	PASS	TIA Cat 6 Perm. Link	102 ft	8.7 dB (NEXT)	05/03/2019 08:36 PM
024	PASS	TIA Cat 6 Perm. Link	101 ft	6.7 dB (NEXT)	05/03/2019 08:36 PM
025	PASS	TIA Cat 6 Perm. Link	111 ft	6.5 dB (NEXT)	05/24/2019 05:33 PM
026	PASS	TIA Cat 6 Perm. Link	110 ft	6.1 dB (NEXT)	05/03/2019 08:37 PM
027	PASS	TIA Cat 6 Perm. Link	118 ft	5.8 dB (NEXT)	05/03/2019 08:38 PM
028	PASS	TIA Cat 6 Perm. Link	118 ft	8.6 dB (NEXT)	05/03/2019 08:38 PM
029	PASS	TIA Cat 6 Perm. Link	143 ft	9.4 dB (NEXT)	05/03/2019 08:39 PM
030	PASS	TIA Cat 6 Perm. Link	143 ft	11.5 dB (NEXT)	05/03/2019 08:39 PM
031	PASS	TIA Cat 6 Perm. Link	142 ft	9.6 dB (NEXT)	05/03/2019 08:40 PM
032	PASS	TIA Cat 6 Perm. Link	133 ft	8.2 dB (NEXT)	05/03/2019 08:40 PM
033	PASS	TIA Cat 6 Perm. Link	134 ft	10.2 dB (NEXT)	05/03/2019 08:41 PM
034	PASS	TIA Cat 6 Perm. Link	155 ft	5.7 dB (NEXT)	05/04/2019 03:27 PM
035	PASS	TIA Cat 6 Perm. Link	154 ft	6.9 dB (NEXT)	05/04/2019 03:28 PM
036	PASS	TIA Cat 6 Perm. Link	159 ft	9.1 dB (NEXT)	05/23/2019 09:09 PM
037	PASS	TIA Cat 6 Perm. Link	159 ft	10.0 dB (NEXT)	05/04/2019 03:29 PM
038	PASS	TIA Cat 6 Perm. Link	160 ft	10.5 dB (NEXT)	05/04/2019 03:29 PM
039	PASS	TIA Cat 6 Perm. Link	160 ft	7.7 dB (NEXT)	05/04/2019 03:30 PM
040	PASS	TIA Cat 6 Perm. Link	151 ft	10.9 dB (NEXT)	05/03/2019 08:42 PM
041	PASS	TIA Cat 6 Perm. Link	152 ft	10.4 dB (NEXT)	05/03/2019 08:42 PM
042	PASS	TIA Cat 6 Perm. Link	130 ft	8.0 dB (NEXT)	05/03/2019 08:43 PM
043	PASS	TIA Cat 6 Perm. Link	131 ft	7.0 dB (NEXT)	05/03/2019 08:43 PM
044	PASS	TIA Cat 6 Perm. Link	130 ft	8.3 dB (NEXT)	05/24/2019 05:35 PM
045	PASS	TIA Cat 6 Perm. Link	130 ft	10.8 dB (NEXT)	05/03/2019 08:44 PM
046	PASS	TIA Cat 6 Perm. Link	134 ft	8.8 dB (NEXT)	05/03/2019 08:45 PM
047	PASS	TIA Cat 6 Perm. Link	134 ft	9.2 dB (NEXT)	05/03/2019 08:45 PM
048	PASS	TIA Cat 6 Perm. Link	125 ft	8.1 dB (NEXT)	05/03/2019 08:46 PM
049	PASS	TIA Cat 6 Perm. Link	126 ft	7.7 dB (NEXT)	05/24/2019 05:36 PM
050	PASS	TIA Cat 6 Perm. Link	126 ft	8.1 dB (NEXT)	05/24/2019 05:36 PM
051	PASS	TIA Cat 6 Perm. Link	127 ft	11.2 dB (NEXT)	05/03/2019 08:47 PM
052	PASS	TIA Cat 6 Perm. Link	109 ft	7.8 dB (NEXT)	05/03/2019 08:48 PM
053	PASS	TIA Cat 6 Perm. Link	110 ft	9.5 dB (NEXT)	05/03/2019 08:48 PM
054	PASS	TIA Cat 6 Perm. Link	105 ft	10.1 dB (NEXT)	05/03/2019 08:49 PM
055	PASS	TIA Cat 6 Perm. Link	107 ft	6.7 dB (NEXT)	05/03/2019 08:49 PM
056	PASS	TIA Cat 6 Perm. Link	106 ft	4.3 dB (NEXT)	05/03/2019 08:51 PM
057	PASS	TIA Cat 6 Perm. Link	106 ft	5.0 dB (NEXT)	05/03/2019 08:51 PM
058	PASS	TIA Cat 6 Perm. Link	99 ft	7.5 dB (NEXT)	05/03/2019 08:52 PM
059	PASS	TIA Cat 6 Perm. Link	100 ft	6.4 dB (NEXT)	05/03/2019 08:52 PM
060	PASS	TIA Cat 6 Perm. Link	125 ft	7.6 dB (NEXT)	05/03/2019 08:53 PM
061	PASS	TIA Cat 6 Perm. Link	126 ft	5.7 dB (NEXT)	05/03/2019 08:53 PM
062	PASS	TIA Cat 6 Perm. Link	119 ft	10.7 dB (NEXT)	05/03/2019 08:54 PM
063	PASS	TIA Cat 6 Perm. Link	119 ft	7.5 dB (NEXT)	05/03/2019 08:55 PM
064	PASS	TIA Cat 6 Perm. Link	128 ft	6.1 dB (NEXT)	05/03/2019 08:55 PM
065	PASS	TIA Cat 6 Perm. Link	123 ft	9.1 dB (NEXT)	05/03/2019 09:01 PM
066	PASS	TIA Cat 6 Perm. Link	121 ft	8.9 dB (NEXT)	05/03/2019 09:00 PM
067	PASS	TIA Cat 6 Perm. Link	127 ft	10.5 dB (NEXT)	05/03/2019 08:59 PM
068	PASS	TIA Cat 6 Perm. Link	94 ft	8.5 dB (NEXT)	05/03/2019 09:03 PM
069	PASS	TIA Cat 6 Perm. Link	94 ft	7.6 dB (NEXT)	05/03/2019 09:04 PM
070	PASS	TIA Cat 6 Perm. Link	82 ft	7.7 dB (NEXT)	05/03/2019 09:05 PM
071	PASS	TIA Cat 6 Perm. Link	83 ft	9.1 dB (NEXT)	05/03/2019 09:05 PM
072	PASS	TIA Cat 6 Perm. Link	79 ft	7.9 dB (NEXT)	05/24/2019 06:07 PM
073	PASS	TIA Cat 6 Perm. Link	81 ft	9.2 dB (NEXT)	05/03/2019 09:07 PM
074	PASS	TIA Cat 6 Perm. Link	74 ft	6.3 dB (NEXT)	05/24/2019 05:40 PM
075	PASS	TIA Cat 6 Perm. Link	74 ft	5.1 dB (NEXT)	05/24/2019 07:39 PM
076	PASS	TIA Cat 6 Perm. Link	67 ft	4.7 dB (NEXT)	05/03/2019 09:09 PM
077	PASS	TIA Cat 6 Perm. Link	67 ft	6.0 dB (NEXT)	05/24/2019 05:41 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
078	PASS	TIA Cat 6 Perm. Link	75 ft	3.7 dB (NEXT)	05/03/2019 09:10 PM
079	PASS	TIA Cat 6 Perm. Link	74 ft	4.4 dB (NEXT)	05/03/2019 09:14 PM
080	PASS	TIA Cat 6 Perm. Link	86 ft	7.6 dB (NEXT)	05/03/2019 09:29 PM
081	PASS	TIA Cat 6 Perm. Link	84 ft	5.0 dB (NEXT)	05/03/2019 09:29 PM
082	PASS	TIA Cat 6 Perm. Link	86 ft	1.6 dB (NEXT)	05/03/2019 09:31 PM
083	PASS	TIA Cat 6 Perm. Link	88 ft	8.5 dB (NEXT)	05/03/2019 09:31 PM
084	PASS	TIA Cat 6 Perm. Link	105 ft	2.6 dB (NEXT)	05/03/2019 09:32 PM
085	PASS	TIA Cat 6 Perm. Link	110 ft	9.1 dB (NEXT)	05/03/2019 09:32 PM
086	PASS	TIA Cat 6 Perm. Link	113 ft	5.1 dB (NEXT)	05/03/2019 09:33 PM
087	PASS	TIA Cat 6 Perm. Link	113 ft	6.9 dB (NEXT)	05/24/2019 06:40 PM
088	PASS	TIA Cat 6 Perm. Link	105 ft	4.7 dB (NEXT)	05/03/2019 09:34 PM
089	PASS	TIA Cat 6 Perm. Link	107 ft	7.6 dB (NEXT)	05/03/2019 09:35 PM
090	PASS	TIA Cat 6 Perm. Link	102 ft	10.2 dB (NEXT)	05/03/2019 09:35 PM
091	PASS	TIA Cat 6 Perm. Link	101 ft	9.5 dB (NEXT)	05/03/2019 09:36 PM
092	PASS	TIA Cat 6 Perm. Link	106 ft	3.6 dB (NEXT)	05/03/2019 09:37 PM
093	PASS	TIA Cat 6 Perm. Link	109 ft	9.6 dB (NEXT)	05/03/2019 09:37 PM
094	PASS	TIA Cat 6 Perm. Link	111 ft	6.0 dB (NEXT)	05/03/2019 09:38 PM
095	PASS	TIA Cat 6 Perm. Link	111 ft	5.2 dB (NEXT)	05/03/2019 09:39 PM
096	PASS	TIA Cat 6 Perm. Link	127 ft	5.5 dB (NEXT)	05/24/2019 05:46 PM
097	PASS	TIA Cat 6 Perm. Link	128 ft	5.8 dB (NEXT)	05/03/2019 09:47 PM
098	PASS	TIA Cat 6 Perm. Link	130 ft	8.9 dB (NEXT)	05/24/2019 05:47 PM
099	PASS	TIA Cat 6 Perm. Link	127 ft	6.6 dB (NEXT)	05/24/2019 05:48 PM
100	PASS	TIA Cat 6 Perm. Link	157 ft	8.1 dB (NEXT)	05/24/2019 05:51 PM
101	PASS	TIA Cat 6 Perm. Link	157 ft	11.0 dB (NEXT)	05/03/2019 09:51 PM
102	PASS	TIA Cat 6 Perm. Link	136 ft	9.0 dB (NEXT)	05/03/2019 09:51 PM
103	PASS	TIA Cat 6 Perm. Link	131 ft	7.3 dB (NEXT)	05/24/2019 05:52 PM
104	PASS	TIA Cat 6 Perm. Link	196 ft	6.4 dB (NEXT)	05/03/2019 10:44 PM
105	PASS	TIA Cat 6 Perm. Link	196 ft	5.4 dB (NEXT)	05/03/2019 10:44 PM
106	PASS	TIA Cat 6 Perm. Link	210 ft	6.8 dB (NEXT)	05/04/2019 04:13 PM
107	PASS	TIA Cat 6 Perm. Link	211 ft	4.3 dB (NEXT)	05/03/2019 10:46 PM
108	PASS	TIA Cat 6 Perm. Link	111 ft	6.7 dB (NEXT)	05/03/2019 10:47 PM
109	PASS	TIA Cat 6 Perm. Link	111 ft	6.0 dB (NEXT)	05/03/2019 10:47 PM
110	PASS	TIA Cat 6 Perm. Link	67 ft	7.5 dB (NEXT)	05/03/2019 10:48 PM
111	PASS	TIA Cat 6 Perm. Link	89 ft	2.8 dB (NEXT)	05/04/2019 12:59 AM
112	PASS	TIA Cat 6 Perm. Link	53 ft	8.5 dB (NEXT)	05/04/2019 04:03 PM
113	PASS	TIA Cat 6 Perm. Link	53 ft	7.3 dB (NEXT)	05/03/2019 10:53 PM
114	PASS	TIA Cat 6 Perm. Link	55 ft	6.0 dB (NEXT)	05/03/2019 10:55 PM
115	PASS	TIA Cat 6 Perm. Link	54 ft	6.8 dB (NEXT)	05/03/2019 10:55 PM
116	PASS	TIA Cat 6 Perm. Link	62 ft	6.1 dB (NEXT)	05/03/2019 10:55 PM
117	PASS	TIA Cat 6 Perm. Link	61 ft	6.1 dB (NEXT)	05/03/2019 10:56 PM
118	PASS	TIA Cat 6 Perm. Link	77 ft	7.1 dB (NEXT)	05/03/2019 10:58 PM
119	PASS	TIA Cat 6 Perm. Link	77 ft	6.3 dB (NEXT)	05/24/2019 05:54 PM
120	PASS	TIA Cat 6 Perm. Link	82 ft	7.1 dB (NEXT)	05/24/2019 05:56 PM
121	PASS	TIA Cat 6 Perm. Link	81 ft	5.4 dB (NEXT)	05/24/2019 05:56 PM
122	PASS	TIA Cat 6 Perm. Link	75 ft	6.4 dB (NEXT)	05/03/2019 11:05 PM
123	PASS	TIA Cat 6 Perm. Link	75 ft	5.6 dB (NEXT)	05/03/2019 11:05 PM
124	PASS	TIA Cat 6 Perm. Link	62 ft	4.9 dB (NEXT)	05/24/2019 05:58 PM
125	PASS	TIA Cat 6 Perm. Link	63 ft	6.2 dB (NEXT)	05/03/2019 11:08 PM
126	PASS	TIA Cat 6 Perm. Link	71 ft	7.0 dB (NEXT)	05/23/2019 10:07 PM
127	PASS	TIA Cat 6 Perm. Link	70 ft	5.2 dB (NEXT)	05/23/2019 10:10 PM
128	PASS	TIA Cat 6 Perm. Link	85 ft	5.3 dB (NEXT)	05/23/2019 10:28 PM
129	PASS	TIA Cat 6 Perm. Link	82 ft	4.5 dB (NEXT)	05/03/2019 11:12 PM
130	PASS	TIA Cat 6 Perm. Link	70 ft	6.1 dB (NEXT)	05/03/2019 11:14 PM
131	PASS	TIA Cat 6 Perm. Link	69 ft	5.4 dB (NEXT)	05/03/2019 11:15 PM
132	PASS	TIA Cat 6 Perm. Link	62 ft	3.1 dB (NEXT)	05/03/2019 11:21 PM
133	PASS	TIA Cat 6 Perm. Link	62 ft	6.4 dB (NEXT)	05/04/2019 04:23 PM
134	PASS	TIA Cat 6 Perm. Link	48 ft	6.2 dB (NEXT)	05/03/2019 11:23 PM
135	PASS	TIA Cat 6 Perm. Link	53 ft	6.5 dB (NEXT)	05/03/2019 11:23 PM
136	PASS	TIA Cat 6 Perm. Link	107 ft	8.2 dB (NEXT)	05/04/2019 02:02 AM
137	PASS	TIA Cat 6 Perm. Link	116 ft	6.7 dB (NEXT)	05/04/2019 02:02 AM
138	PASS	TIA Cat 6 Perm. Link	79 ft	6.1 dB (NEXT)	05/04/2019 02:24 AM
139	PASS	TIA Cat 6 Perm. Link	79 ft	6.3 dB (NEXT)	05/04/2019 02:05 AM
140	PASS	TIA Cat 6 Perm. Link	98 ft	6.1 dB (NEXT)	05/24/2019 05:59 PM
141	PASS	TIA Cat 6 Perm. Link	99 ft	5.2 dB (NEXT)	05/04/2019 02:12 AM

Total Length:	15910 ft
Number of Reports:	141
Number of Passing Reports:	141
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 001

Date / Time: 05/04/2019 01:25:42 AM
Headroom 6.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	105
Prop. Delay (ns), Limit 498	[Pair 45]	164
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.35
Insertion Loss Margin (dB)	[Pair 36]	20.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.0	6.1	7.0	6.1
Freq. (MHz)	245.5	242.0	245.5	242.0
Limit (dB)	35.5	35.6	35.5	35.6
Worst Pair	36	36	45	36
PS NEXT (dB)	7.7	6.4	7.8	6.4
Freq. (MHz)	211.5	242.0	246.5	242.0
Limit (dB)	33.9	32.9	32.8	32.9

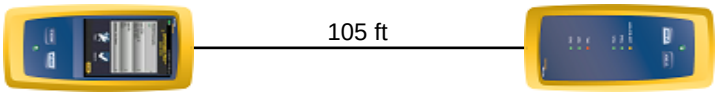
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	10.5	10.4	10.6	10.6
Freq. (MHz)	249.0	246.5	250.0	250.0
Limit (dB)	16.3	16.4	16.2	16.2
Worst Pair	36	45	36	36
PS ACR-F (dB)	12.7	12.6	12.9	13.0
Freq. (MHz)	246.5	207.0	250.0	250.0
Limit (dB)	13.4	14.9	13.2	13.2

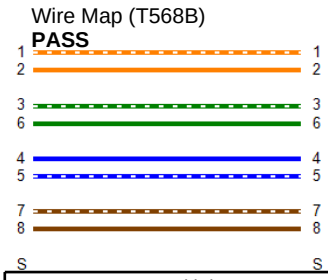
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	16.9	17.0	27.1	26.1
Freq. (MHz)	3.6	40.8	245.5	242.0
Limit (dB)	61.4	36.7	4.7	5.0
Worst Pair	12	12	45	36
PS ACR-N (dB)	16.5	16.5	27.8	26.1
Freq. (MHz)	3.9	4.3	246.5	242.0
Limit (dB)	58.5	57.8	2.0	2.4

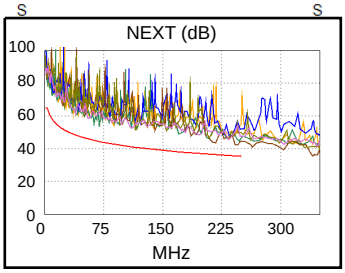
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	12	36
RL (dB)	6.1	7.0	7.1	7.0
Freq. (MHz)	56.0	228.0	250.0	228.0
Limit (dB)	16.5	10.4	10.0	10.4

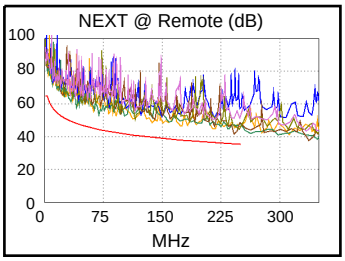
Compliant Network Standards:

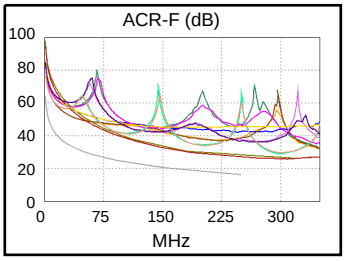
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

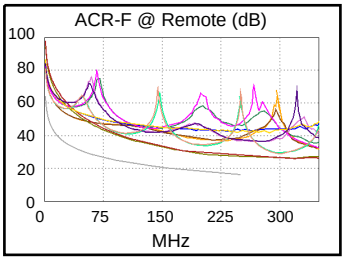


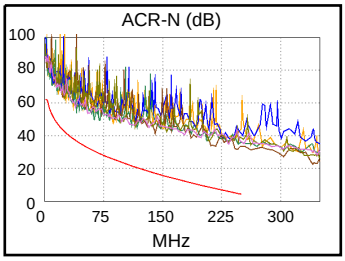


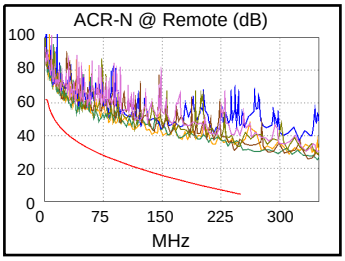


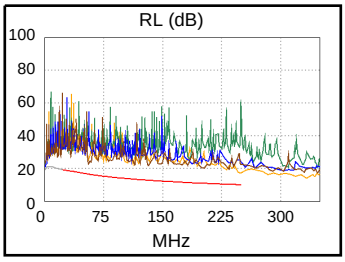


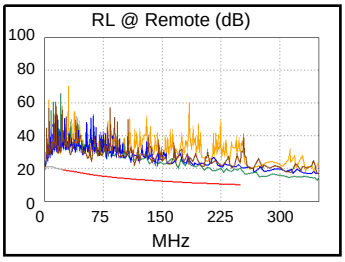












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 002

Date / Time: 05/03/2019 11:33:45 PM
Headroom 4.3 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	185
Prop. Delay (ns), Limit 498	[Pair 45]	289
Delay Skew (ns), Limit 44	[Pair 45]	17
Resistance (ohms)	[Pair 45]	9.38
Insertion Loss Margin (dB)	[Pair 36]	11.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	36-78
NEXT (dB)	4.3	8.4	4.4	8.4
Freq. (MHz)	204.5	184.5	242.5	184.5
Limit (dB)	36.8	37.5	35.6	37.5
Worst Pair	45	36	45	45
PS NEXT (dB)	5.7	9.3	6.0	10.3
Freq. (MHz)	224.5	184.0	244.0	223.0
Limit (dB)	33.5	34.9	32.9	33.5

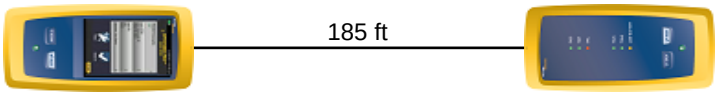
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	8.0	8.0	12.4	12.3
Freq. (MHz)	2.5	2.5	250.0	250.0
Limit (dB)	56.2	56.2	16.2	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	9.9	9.9	14.1	13.5
Freq. (MHz)	1.3	1.3	250.0	242.5
Limit (dB)	59.3	59.3	13.2	13.5

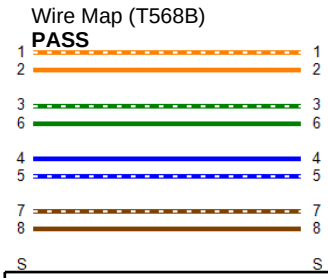
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-78
ACR-N (dB)	8.4	11.9	16.3	22.6
Freq. (MHz)	14.9	14.9	242.5	240.0
Limit (dB)	48.3	48.3	5.0	5.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	10.4	13.6	17.9	23.0
Freq. (MHz)	15.0	14.9	244.0	243.0
Limit (dB)	45.9	45.9	2.2	2.3

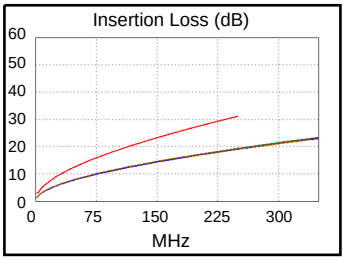
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	45	36
RL (dB)	6.9	4.1	8.8	4.1
Freq. (MHz)	7.5	213.5	209.5	213.5
Limit (dB)	21.0	10.7	10.8	10.7

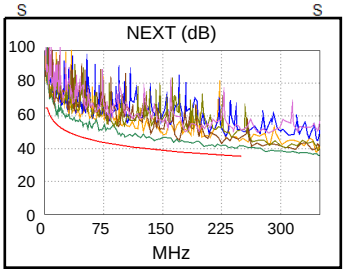
Compliant Network Standards:

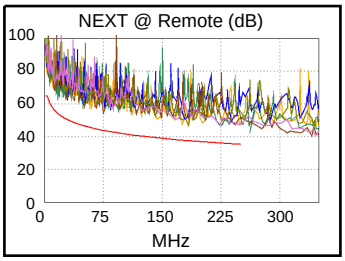
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

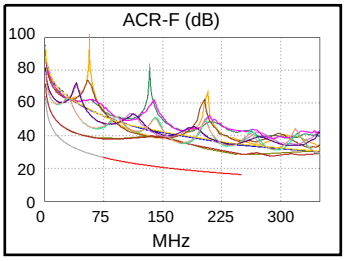


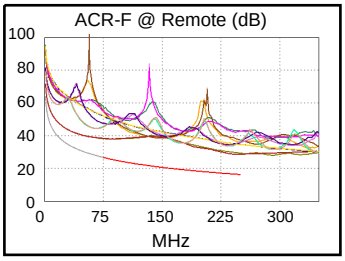


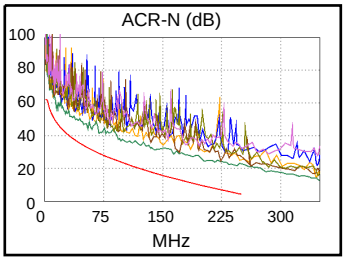


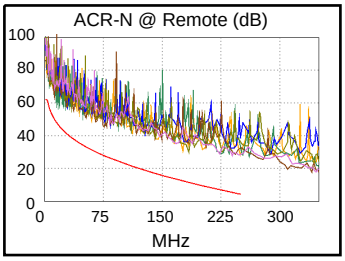


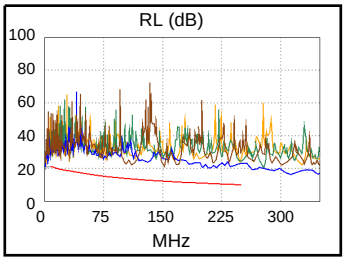


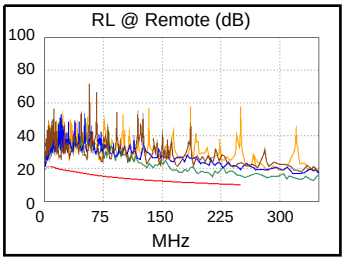












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 003

Date / Time: 05/23/2019 09:04:29 PM
Headroom 5.9 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	66
Prop. Delay (ns), Limit 498	[Pair 45]	103
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 45]	3.45
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	7.4	5.9	7.5	6.0
Freq. (MHz)	229.0	210.5	229.5	211.0
Limit (dB)	36.0	36.6	35.9	36.5
Worst Pair	36	36	36	36
PS NEXT (dB)	9.4	7.7	9.4	8.7
Freq. (MHz)	229.5	210.5	229.5	250.0
Limit (dB)	33.3	34.0	33.3	32.7

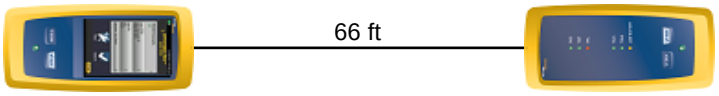
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	16.3	16.4	17.1	17.2
Freq. (MHz)	163.5	163.5	187.0	187.0
Limit (dB)	19.9	19.9	18.8	18.8
Worst Pair	78	78	36	78
PS ACR-F (dB)	16.5	16.5	20.6	18.2
Freq. (MHz)	1.1	1.1	250.0	191.5
Limit (dB)	60.2	60.2	13.2	15.5

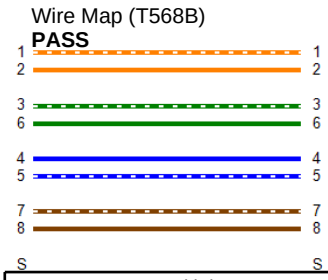
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-36
ACR-N (dB)	17.6	16.5	30.6	27.8
Freq. (MHz)	6.3	6.1	229.5	211.0
Limit (dB)	56.7	56.8	6.3	8.3
Worst Pair	45	45	36	36
PS ACR-N (dB)	17.7	17.4	32.2	32.4
Freq. (MHz)	6.3	5.8	229.5	250.0
Limit (dB)	54.3	55.1	3.7	1.6

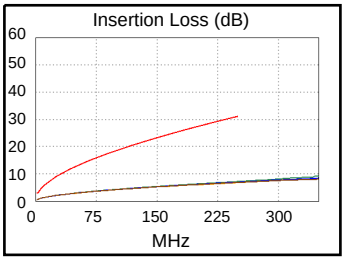
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.8	4.6	4.8	4.6
Freq. (MHz)	240.5	240.5	240.5	240.5
Limit (dB)	10.2	10.2	10.2	10.2

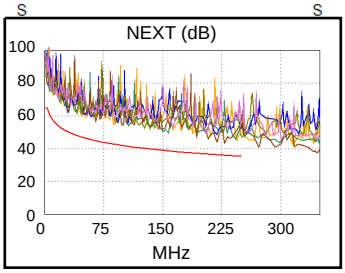
Compliant Network Standards:

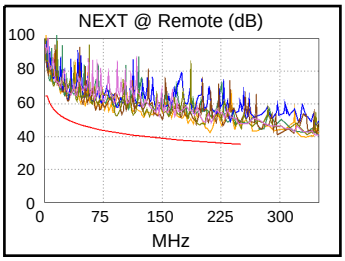
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

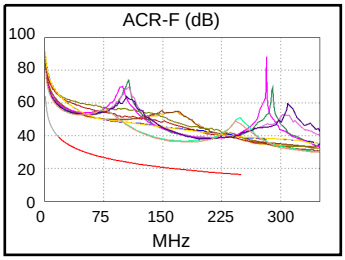


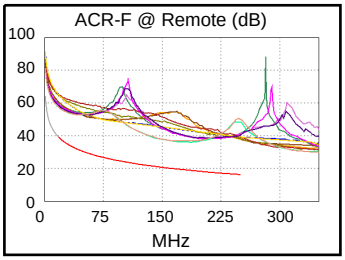


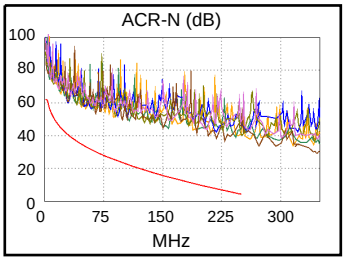


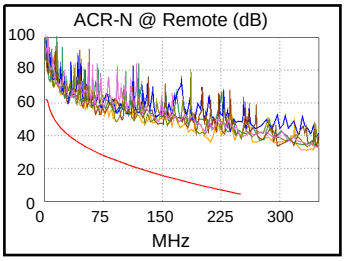


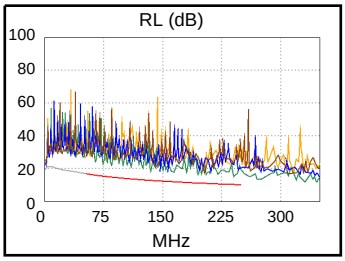


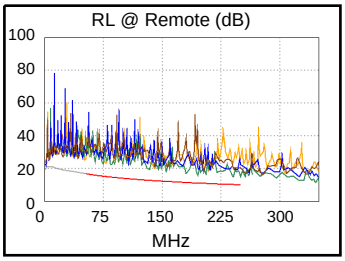












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 004

Date / Time: 05/04/2019 02:03:30 AM
Headroom 7.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	115
Prop. Delay (ns), Limit 498	[Pair 45]	180
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	5.82
Insertion Loss Margin (dB)	[Pair 36]	19.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.9	7.6	7.9	7.6
Freq. (MHz)	244.0	239.0	244.0	239.0
Limit (dB)	35.5	35.7	35.5	35.7
Worst Pair	36	45	36	45
PS NEXT (dB)	8.6	8.6	8.6	8.7
Freq. (MHz)	235.5	238.0	235.5	238.5
Limit (dB)	33.1	33.1	33.1	33.0

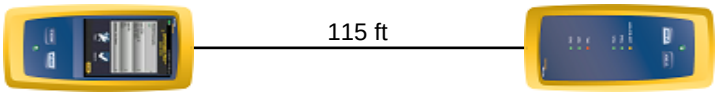
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-F (dB)	14.5	14.5	14.9	15.1
Freq. (MHz)	5.3	4.6	188.5	190.5
Limit (dB)	49.8	50.9	18.7	18.6
Worst Pair	45	36	78	36
PS ACR-F (dB)	14.3	14.3	17.8	17.5
Freq. (MHz)	1.1	1.0	250.0	237.5
Limit (dB)	60.2	61.2	13.2	13.7

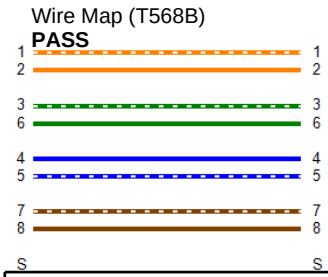
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	16.8	15.3	26.8	26.3
Freq. (MHz)	24.5	24.3	244.0	239.0
Limit (dB)	42.9	43.0	4.8	5.4
Worst Pair	36	36	36	45
PS ACR-N (dB)	16.6	16.5	26.9	28.0
Freq. (MHz)	24.8	24.3	235.5	247.5
Limit (dB)	40.4	40.6	3.1	1.9

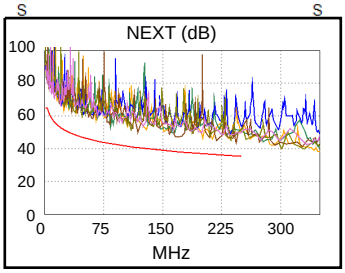
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	36
RL (dB)	5.7	4.4	6.4	4.7
Freq. (MHz)	24.1	134.5	246.0	228.0
Limit (dB)	19.1	12.7	10.1	10.4

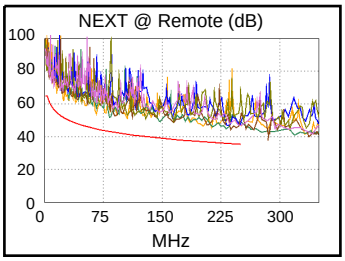
Compliant Network Standards:

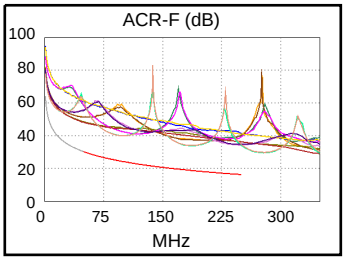
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

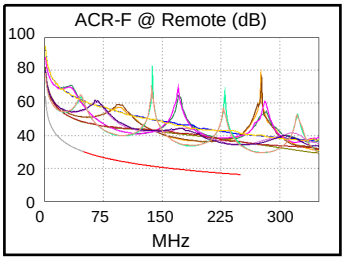


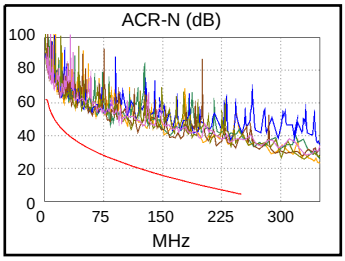


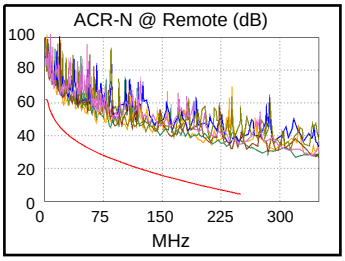


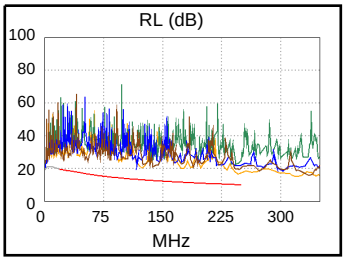


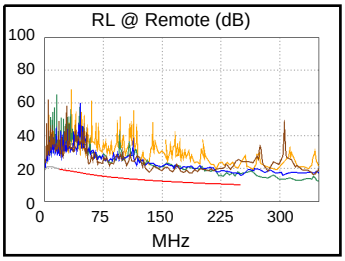












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 005

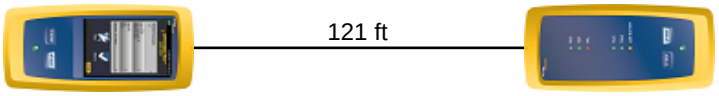
Date / Time: 05/04/2019 01:26:52 AM
Headroom 6.4 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

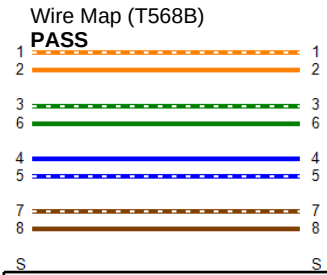
Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

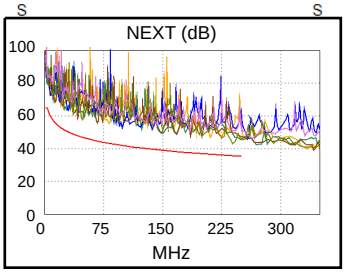
Length (ft), Limit 295	[Pair 78]	121
Prop. Delay (ns), Limit 498	[Pair 45]	189
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	6.18
Insertion Loss Margin (dB)	[Pair 36]	18.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

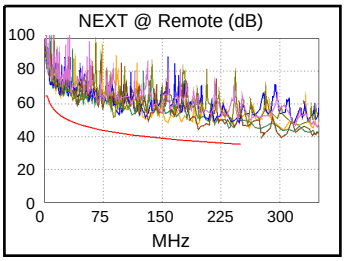


Wire Map (T568B)

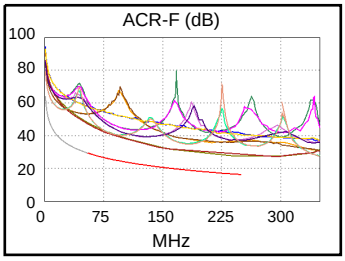


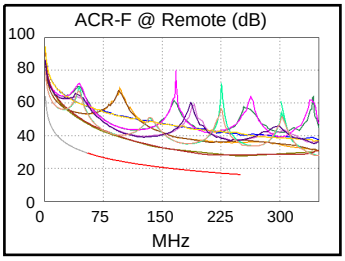
PASS	MAIN	SR	MAIN	SR
	Worst Case Margin		Worst Case Value	
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	6.4	7.3	6.4	7.3
Freq. (MHz)	240.5	196.5	240.5	196.5
Limit (dB)	35.6	37.1	35.6	37.1
Worst Pair	78	36	78	12
PS NEXT (dB)	8.2	7.9	8.2	9.2
Freq. (MHz)	240.5	196.5	240.5	242.5
Limit (dB)	33.0	34.4	33.0	32.9



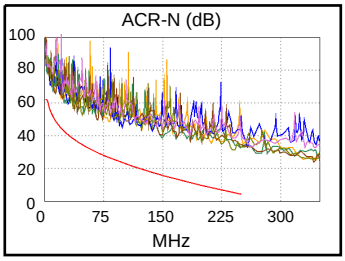


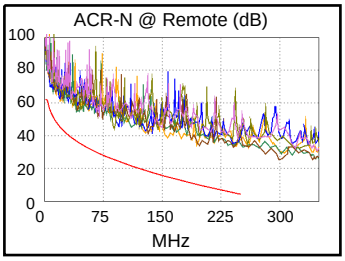
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	10.5	10.5	10.6	11.1
Freq. (MHz)	238.0	213.5	239.0	250.0
Limit (dB)	16.7	17.6	16.6	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.6	12.7	12.7	13.2
Freq. (MHz)	238.0	238.0	239.0	250.0
Limit (dB)	13.7	13.7	13.6	13.2



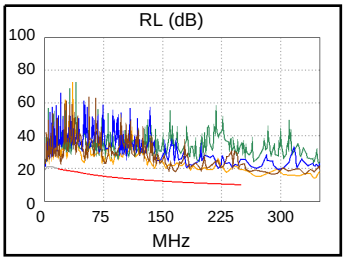


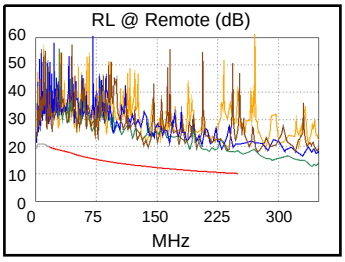
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	36-45
ACR-N (dB)	15.2	14.5	24.4	27.0
Freq. (MHz)	7.4	7.5	240.5	242.0
Limit (dB)	55.2	55.0	5.2	5.0
Worst Pair	12	12	36	12
PS ACR-N (dB)	15.5	14.3	26.0	27.1
Freq. (MHz)	11.0	10.9	240.5	242.5
Limit (dB)	49.0	49.1	2.6	2.4





PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	36
RL (dB)	3.9	6.5	7.1	7.4
Freq. (MHz)	20.4	20.0	232.0	244.0
Limit (dB)	19.5	19.5	10.3	10.1





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 006

Date / Time: 05/04/2019 01:27:21 AM
Headroom 5.2 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	121
Prop. Delay (ns), Limit 498	[Pair 45]	190
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 36]	6.17
Insertion Loss Margin (dB)	[Pair 36]	18.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
NEXT (dB)	6.5	5.2	7.6	5.2
Freq. (MHz)	178.0	218.5	241.0	218.5
Limit (dB)	37.8	36.3	35.6	36.3
Worst Pair	45	36	36	36
PS NEXT (dB)	8.4	7.5	9.3	7.5
Freq. (MHz)	178.5	218.5	249.5	218.5
Limit (dB)	35.1	33.7	32.7	33.7

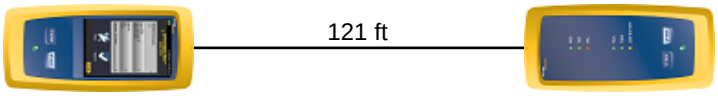
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	9.3	9.5	9.5	9.7
Freq. (MHz)	243.5	245.5	250.0	250.0
Limit (dB)	16.5	16.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	11.7	11.5	12.1	12.0
Freq. (MHz)	180.5	188.0	250.0	250.0
Limit (dB)	16.1	15.7	13.2	13.2

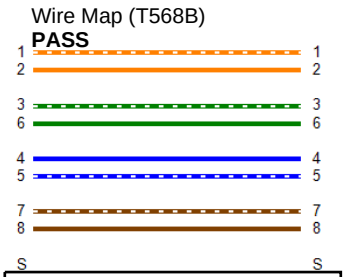
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
ACR-N (dB)	12.6	14.3	25.7	22.1
Freq. (MHz)	18.4	18.4	241.0	218.5
Limit (dB)	46.1	46.1	5.1	7.5
Worst Pair	45	45	36	36
PS ACR-N (dB)	13.4	15.0	27.4	24.3
Freq. (MHz)	18.4	18.4	250.0	218.5
Limit (dB)	43.7	43.7	1.6	4.9

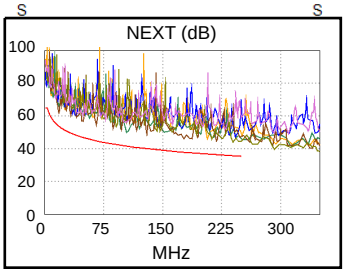
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	4.7	6.8	4.7	6.8
Freq. (MHz)	239.0	229.5	239.0	229.5
Limit (dB)	10.2	10.4	10.2	10.4

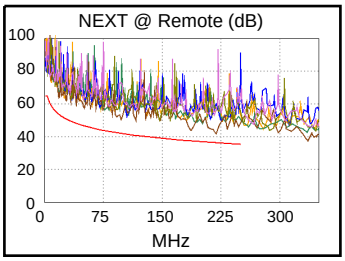
Compliant Network Standards:

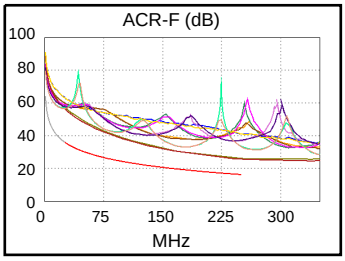
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

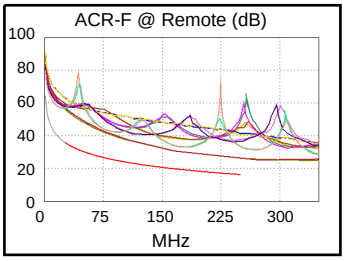


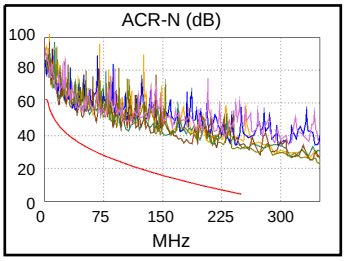


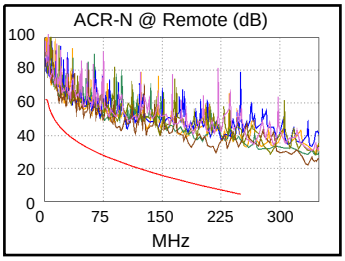


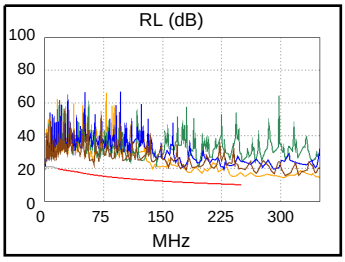


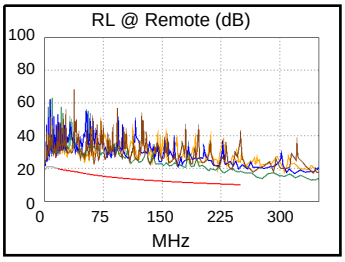












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 007

Date / Time: 05/04/2019 03:54:06 PM
Headroom 7.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	120
Prop. Delay (ns), Limit 498	[Pair 45]	189
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.19
Insertion Loss Margin (dB)	[Pair 36]	18.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
NEXT (dB)	8.9	7.6	8.9	7.6
Freq. (MHz)	247.5	232.5	247.5	232.5
Limit (dB)	35.4	35.9	35.4	35.9
Worst Pair	45	36	45	36
PS NEXT (dB)	9.8	8.6	9.8	8.7
Freq. (MHz)	248.0	245.0	248.0	245.5
Limit (dB)	32.8	32.9	32.8	32.8

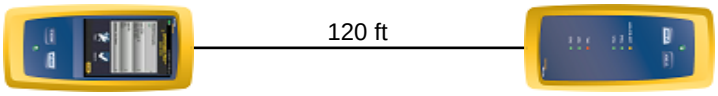
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	11.2	11.1	11.5	11.4
Freq. (MHz)	219.5	219.5	248.0	248.0
Limit (dB)	17.4	17.4	16.3	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.1	13.2	13.8	13.8
Freq. (MHz)	187.0	191.0	250.0	249.0
Limit (dB)	15.8	15.6	13.2	13.3

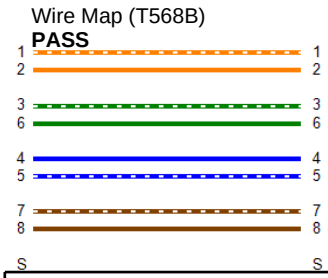
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
ACR-N (dB)	14.4	14.4	27.4	25.5
Freq. (MHz)	4.5	4.4	248.0	232.5
Limit (dB)	59.5	59.8	4.4	6.0
Worst Pair	36	36	45	36
PS ACR-N (dB)	14.4	14.3	28.2	26.7
Freq. (MHz)	4.0	9.4	248.0	245.5
Limit (dB)	58.3	50.6	1.8	2.1

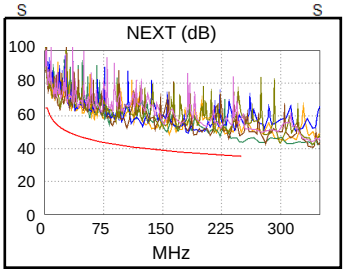
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	6.0	4.6	6.0	5.3
Freq. (MHz)	230.5	186.0	230.5	242.5
Limit (dB)	10.4	11.3	10.4	10.2

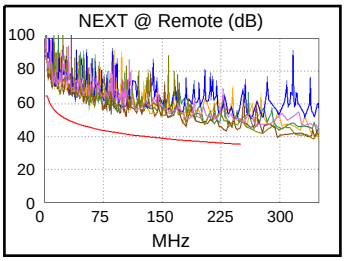
Compliant Network Standards:

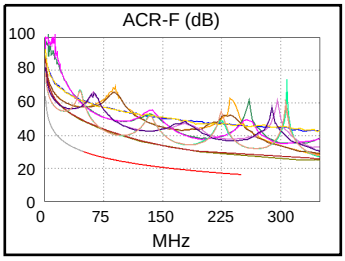
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

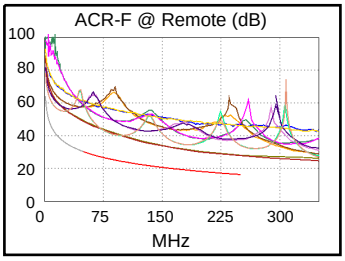


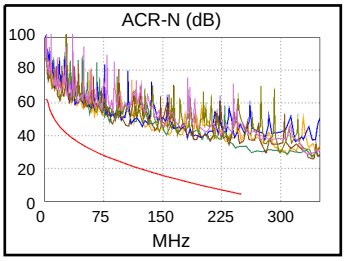


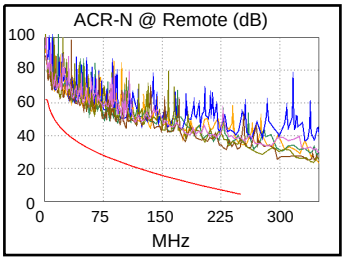


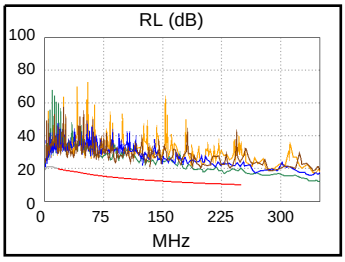


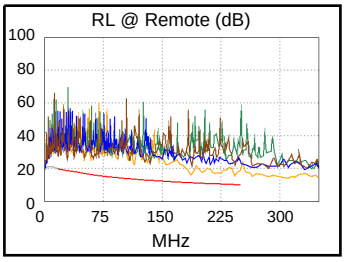












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 008

Date / Time: 05/04/2019 01:28:31 AM
Headroom 5.7 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	120
Prop. Delay (ns), Limit 498	[Pair 45]	189
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.14
Insertion Loss Margin (dB)	[Pair 36]	18.5
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	7.5	5.7	8.6	5.7
Freq. (MHz)	193.0	193.0	244.0	193.0
Limit (dB)	37.2	37.2	35.5	37.2
Worst Pair	45	12	45	45
PS NEXT (dB)	8.3	7.5	8.3	8.3
Freq. (MHz)	244.0	193.0	244.0	240.0
Limit (dB)	32.9	34.6	32.9	33.0

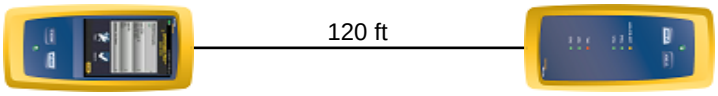
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
ACR-F (dB)	14.4	14.3	16.6	16.7
Freq. (MHz)	4.8	4.8	250.0	250.0
Limit (dB)	50.7	50.7	16.2	16.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	14.0	14.0	16.5	16.6
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

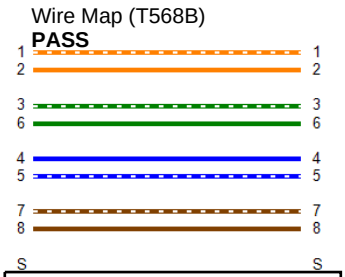
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
ACR-N (dB)	14.3	13.9	27.1	21.5
Freq. (MHz)	5.6	5.4	244.0	193.0
Limit (dB)	57.6	58.0	4.8	10.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	14.7	14.0	26.8	26.6
Freq. (MHz)	5.6	6.4	244.0	240.0
Limit (dB)	55.3	54.2	2.2	2.6

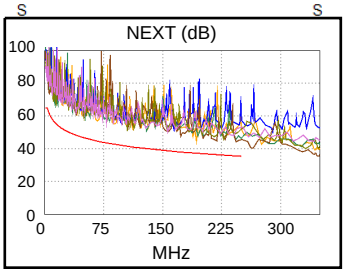
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	5.2	6.5	5.2	6.5
Freq. (MHz)	191.5	217.5	191.5	217.5
Limit (dB)	11.2	10.6	11.2	10.6

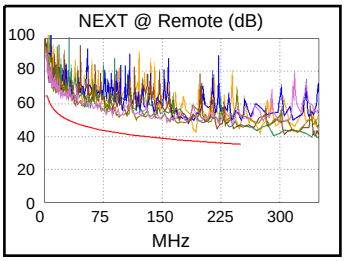
Compliant Network Standards:

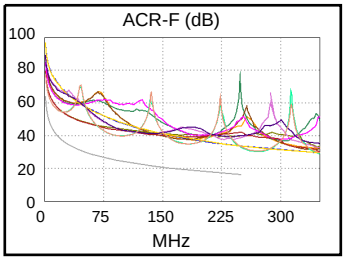
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

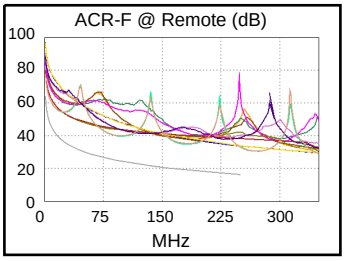


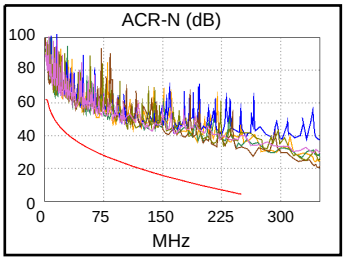


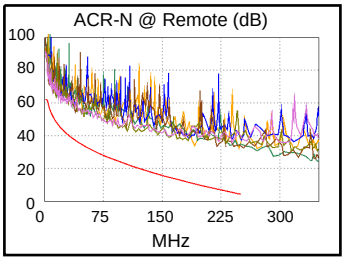


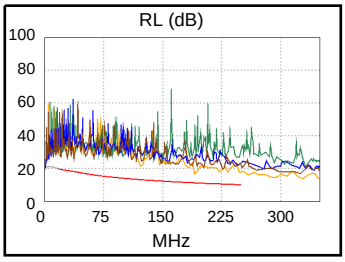


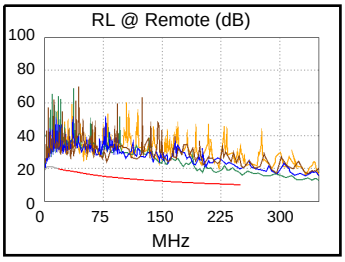












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 009

Date / Time: 05/04/2019 01:28:59 AM
Headroom 8.0 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	130
Prop. Delay (ns), Limit 498	[Pair 45]	204
Delay Skew (ns), Limit 44	[Pair 45]	13
Resistance (ohms)	[Pair 45]	6.61
Insertion Loss Margin (dB)	[Pair 36]	17.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-45	12-45
NEXT (dB)	8.0	8.3	8.5	9.6
Freq. (MHz)	90.3	179.0	230.0	217.5
Limit (dB)	42.6	37.7	35.9	36.3
Worst Pair	36	36	45	36
PS NEXT (dB)	9.2	9.2	9.9	9.4
Freq. (MHz)	90.0	179.0	240.0	196.5
Limit (dB)	40.1	35.1	33.0	34.4

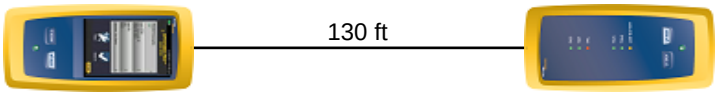
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.0	14.2	14.0	14.3
Freq. (MHz)	250.0	248.0	250.0	250.0
Limit (dB)	16.2	16.3	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.9	15.0	15.9	15.0
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	13.2	13.2	13.2	13.2

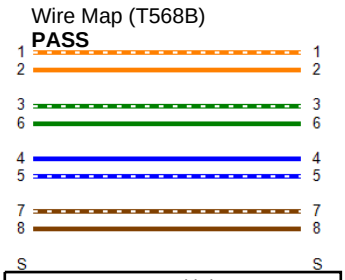
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	36-45
ACR-N (dB)	12.5	14.3	25.5	28.6
Freq. (MHz)	8.9	6.0	230.5	245.5
Limit (dB)	53.4	57.0	6.2	4.7
Worst Pair	36	36	12	36
PS ACR-N (dB)	12.7	13.5	27.5	28.6
Freq. (MHz)	8.9	9.0	244.0	245.0
Limit (dB)	51.1	51.0	2.2	2.1

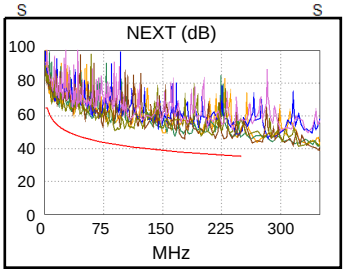
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	36
RL (dB)	5.4	6.1	7.5	6.5
Freq. (MHz)	56.0	56.0	239.0	250.0
Limit (dB)	16.5	16.5	10.2	10.0

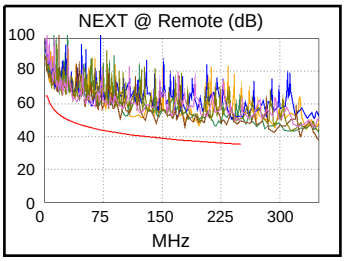
Compliant Network Standards:

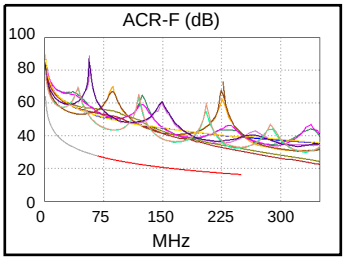
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

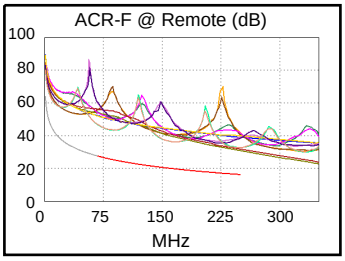


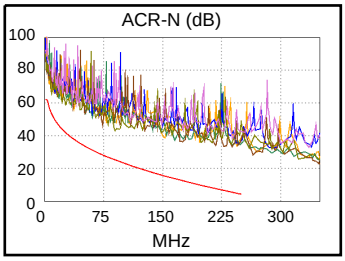


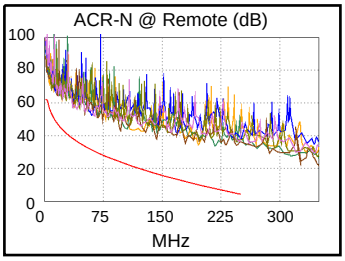


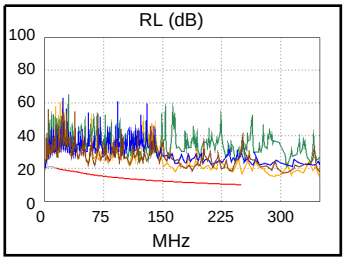


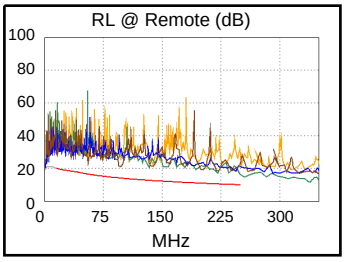












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 010

Date / Time: 05/04/2019 01:29:31 AM
Headroom 6.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	130
Prop. Delay (ns), Limit 498	[Pair 45]	204
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.65
Insertion Loss Margin (dB)	[Pair 36]	17.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.7	6.6	8.1	6.7
Freq. (MHz)	235.0	191.5	250.0	250.0
Limit (dB)	35.8	37.2	35.3	35.3
Worst Pair	36	45	45	45
PS NEXT (dB)	7.7	7.6	8.2	8.6
Freq. (MHz)	213.0	192.0	249.5	250.0
Limit (dB)	33.9	34.6	32.7	32.7

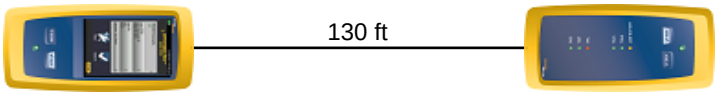
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	45-78
ACR-F (dB)	11.5	11.5	14.8	15.2
Freq. (MHz)	3.3	3.3	243.0	247.0
Limit (dB)	54.0	54.0	16.5	16.3
Worst Pair	36	36	45	45
PS ACR-F (dB)	12.2	12.0	16.5	16.8
Freq. (MHz)	1.3	1.0	247.0	247.0
Limit (dB)	59.3	61.2	13.3	13.3

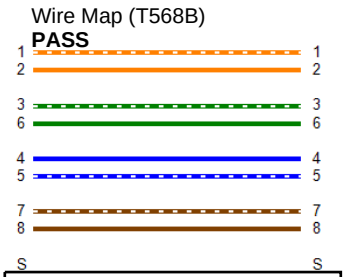
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	16.1	16.9	25.7	24.3
Freq. (MHz)	3.4	3.4	250.0	250.0
Limit (dB)	61.8	61.8	4.2	4.2
Worst Pair	36	36	45	36
PS ACR-N (dB)	16.6	16.8	25.7	26.2
Freq. (MHz)	19.4	19.5	249.5	250.0
Limit (dB)	43.1	43.0	1.7	1.6

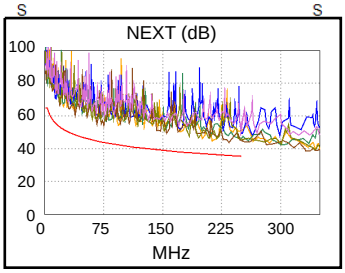
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	5.9	5.7	6.2	5.7
Freq. (MHz)	156.0	221.0	248.0	221.0
Limit (dB)	12.1	10.6	10.1	10.6

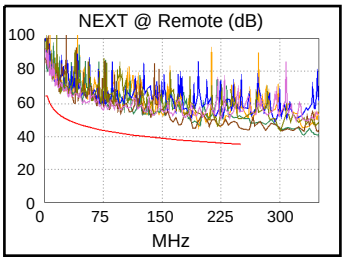
Compliant Network Standards:

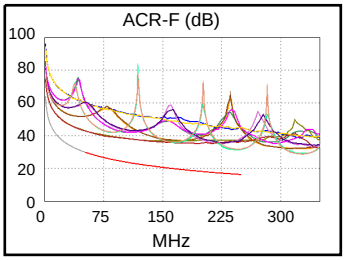
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

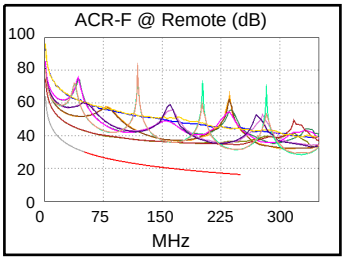


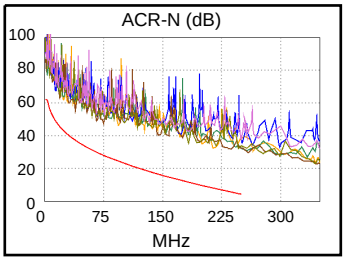


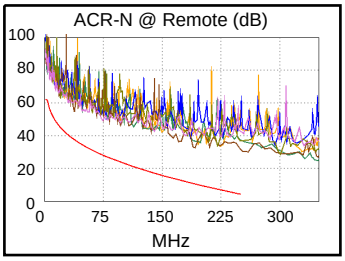


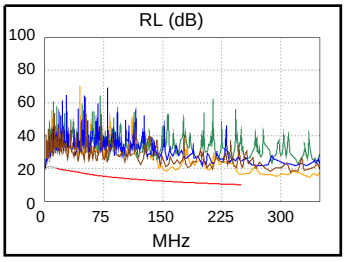


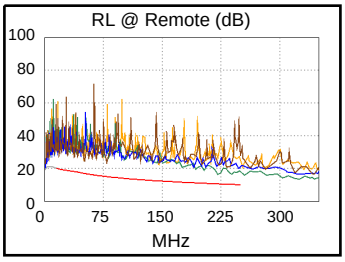












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 011

Date / Time: 05/04/2019 01:30:04 AM
Headroom 6.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	136
Prop. Delay (ns), Limit 498	[Pair 45]	214
Delay Skew (ns), Limit 44	[Pair 45]	13
Resistance (ohms)	[Pair 45]	6.90
Insertion Loss Margin (dB)	[Pair 36]	17.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.4	6.5	8.5	6.5
Freq. (MHz)	189.5	199.5	243.5	199.5
Limit (dB)	37.3	36.9	35.5	36.9
Worst Pair	36	45	45	45
PS NEXT (dB)	8.4	8.3	9.1	9.7
Freq. (MHz)	189.5	199.0	243.5	250.0
Limit (dB)	34.7	34.4	32.9	32.7

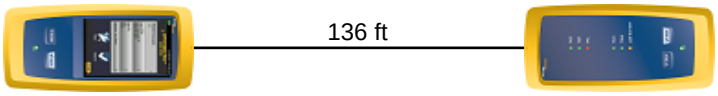
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	3.8	3.8	8.7	8.9
Freq. (MHz)	1.3	1.3	130.0	133.5
Limit (dB)	62.3	62.3	21.9	21.7
Worst Pair	45	45	45	45
PS ACR-F (dB)	6.2	6.2	16.1	16.4
Freq. (MHz)	1.0	1.0	243.5	242.0
Limit (dB)	61.2	61.2	13.5	13.5

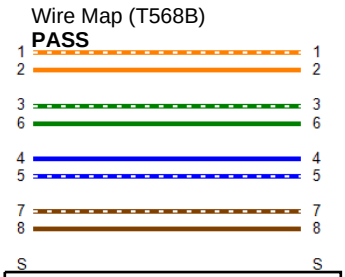
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	11.2	14.0	25.2	25.4
Freq. (MHz)	6.0	4.8	243.5	250.0
Limit (dB)	57.0	59.1	4.9	4.2
Worst Pair	36	36	45	45
PS ACR-N (dB)	12.0	13.8	25.8	26.8
Freq. (MHz)	6.0	5.3	243.5	250.0
Limit (dB)	54.7	55.9	2.3	1.6

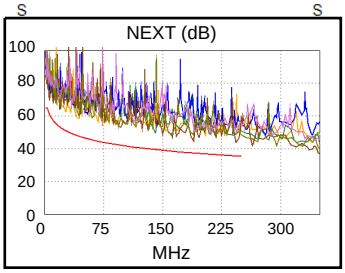
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	7.5	5.9	7.5	5.9
Freq. (MHz)	242.0	220.5	242.0	220.5
Limit (dB)	10.2	10.6	10.2	10.6

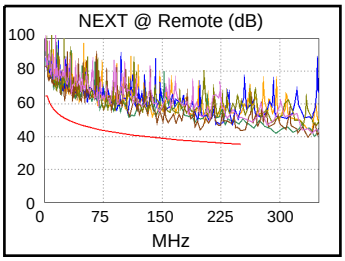
Compliant Network Standards:

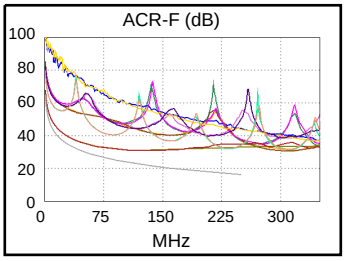
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

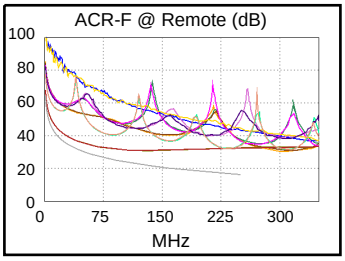


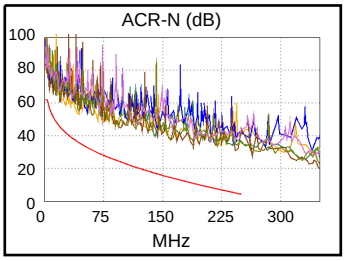


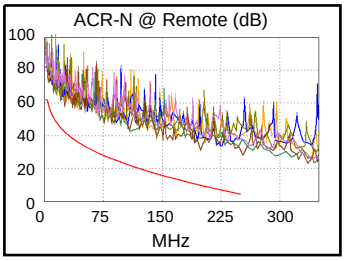


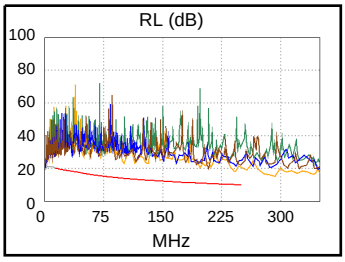


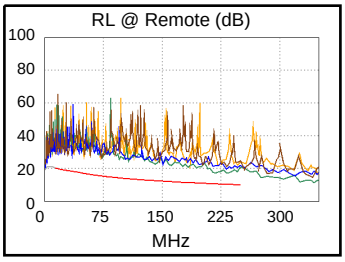












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 012

Date / Time: 05/04/2019 01:30:22 AM
Headroom 6.2 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	136
Prop. Delay (ns), Limit 498	[Pair 45]	214
Delay Skew (ns), Limit 44	[Pair 45]	13
Resistance (ohms)	[Pair 45]	6.90
Insertion Loss Margin (dB)	[Pair 36]	16.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	6.2	8.1	6.2	8.1
Freq. (MHz)	243.5	238.5	243.5	238.5
Limit (dB)	35.5	35.7	35.5	35.7
Worst Pair	12	36	12	36
PS NEXT (dB)	7.5	9.2	7.5	9.9
Freq. (MHz)	243.5	219.0	243.5	239.0
Limit (dB)	32.9	33.7	32.9	33.0

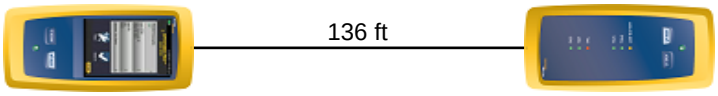
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	13.1	13.1	16.0	16.1
Freq. (MHz)	4.4	5.0	250.0	250.0
Limit (dB)	51.4	50.2	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.0	12.9	17.1	16.6
Freq. (MHz)	1.3	1.3	250.0	250.0
Limit (dB)	59.3	59.3	13.2	13.2

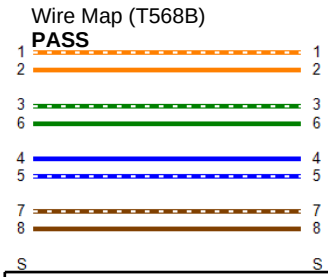
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-45
ACR-N (dB)	13.4	14.2	22.8	24.8
Freq. (MHz)	7.9	4.4	243.5	238.5
Limit (dB)	54.5	59.8	4.9	5.4
Worst Pair	36	36	12	36
PS ACR-N (dB)	14.9	14.4	24.3	26.3
Freq. (MHz)	8.0	4.4	243.5	239.0
Limit (dB)	52.1	57.5	2.3	2.7

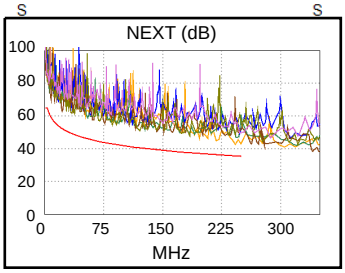
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	5.4	6.3	9.1	6.5
Freq. (MHz)	107.5	227.0	250.0	244.5
Limit (dB)	13.7	10.4	10.0	10.1

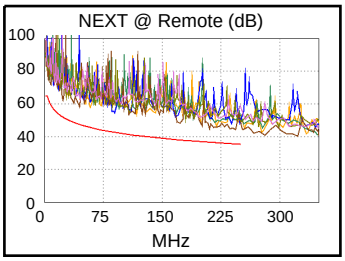
Compliant Network Standards:

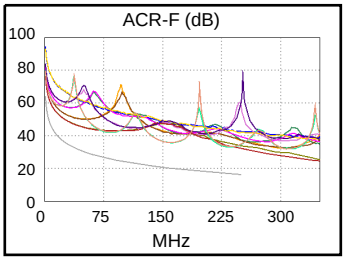
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

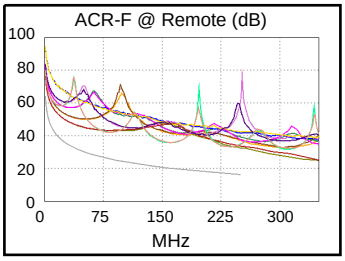


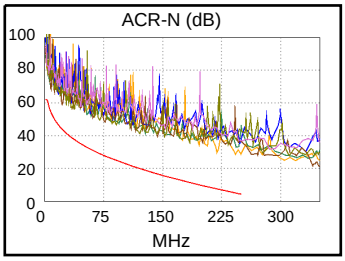


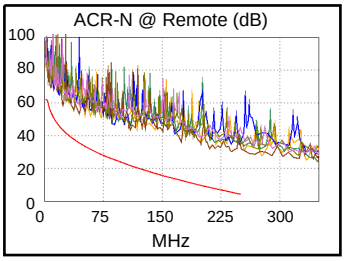


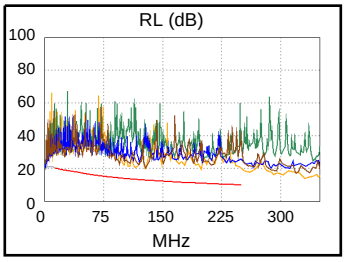


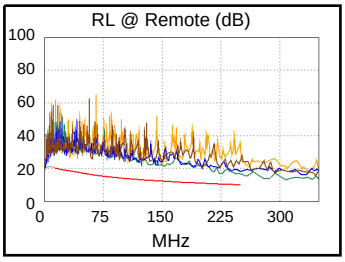












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 013

Date / Time: 05/04/2019 01:31:00 AM
Headroom 5.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	141
Prop. Delay (ns), Limit 498	[Pair 45]	221
Delay Skew (ns), Limit 44	[Pair 45]	13
Resistance (ohms)	[Pair 45]	7.19
Insertion Loss Margin (dB)	[Pair 36]	16.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	5.1	7.7	5.1	7.7
Freq. (MHz)	223.0	250.0	223.0	250.0
Limit (dB)	36.2	35.3	36.2	35.3
Worst Pair	36	45	36	45
PS NEXT (dB)	6.9	7.9	7.0	7.9
Freq. (MHz)	223.0	235.5	239.5	235.5
Limit (dB)	33.5	33.1	33.0	33.1

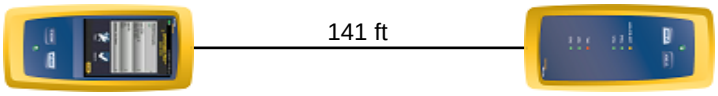
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	8.2	8.2	8.3	8.6
Freq. (MHz)	243.5	229.5	246.0	250.0
Limit (dB)	16.5	17.0	16.4	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	10.6	10.6	11.1	10.8
Freq. (MHz)	229.5	231.0	241.5	239.0
Limit (dB)	14.0	13.9	13.5	13.6

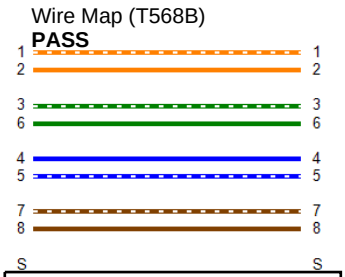
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
ACR-N (dB)	13.4	14.1	22.4	24.2
Freq. (MHz)	8.0	4.6	239.5	250.0
Limit (dB)	54.4	59.3	5.3	4.2
Worst Pair	45	36	36	45
PS ACR-N (dB)	13.9	14.3	22.9	23.9
Freq. (MHz)	8.0	4.3	239.5	235.5
Limit (dB)	52.1	57.8	2.7	3.1

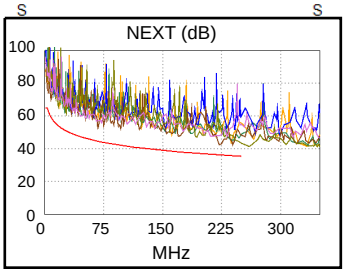
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	7.6	5.8	7.6	5.8
Freq. (MHz)	250.0	238.5	250.0	238.5
Limit (dB)	10.0	10.2	10.0	10.2

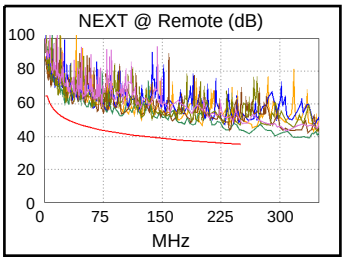
Compliant Network Standards:

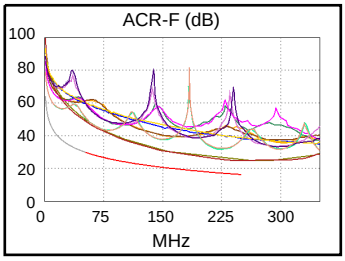
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

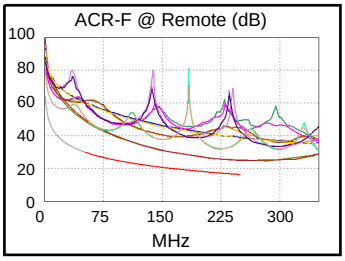


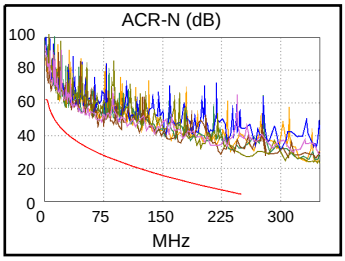


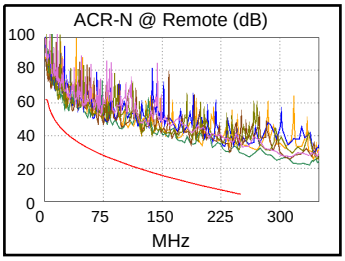


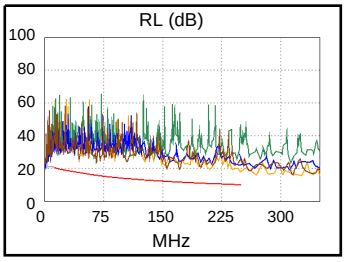


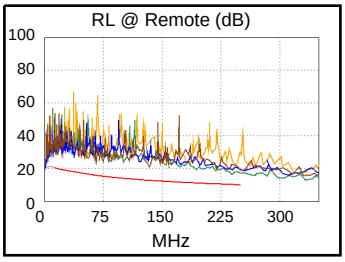












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 014

Date / Time: 05/04/2019 01:31:23 AM
Headroom 3.3 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	140
Prop. Delay (ns), Limit 498	[Pair 45]	221
Delay Skew (ns), Limit 44	[Pair 45]	14
Resistance (ohms)	[Pair 45]	7.19
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
NEXT (dB)	3.3	8.9	3.3	10.1
Freq. (MHz)	201.5	199.0	201.5	239.5
Limit (dB)	36.9	37.0	36.9	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	4.6	9.5	4.6	10.8
Freq. (MHz)	201.5	199.0	201.5	239.5
Limit (dB)	34.3	34.4	34.3	33.0

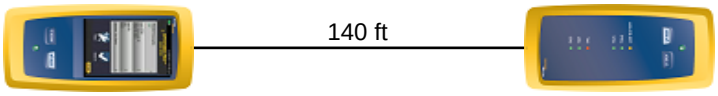
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	9.3	9.3	13.8	13.7
Freq. (MHz)	3.3	3.6	250.0	250.0
Limit (dB)	54.0	53.0	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	10.9	10.7	14.9	15.2
Freq. (MHz)	1.0	1.1	234.0	235.5
Limit (dB)	61.2	60.2	13.8	13.7

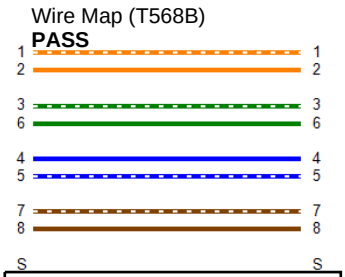
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	12-36	36-45
ACR-N (dB)	13.8	14.3	17.8	26.3
Freq. (MHz)	3.6	29.9	201.5	239.5
Limit (dB)	61.4	40.6	9.4	5.3
Worst Pair	45	36	36	36
PS ACR-N (dB)	15.4	16.2	19.1	26.7
Freq. (MHz)	3.8	5.8	201.5	239.5
Limit (dB)	58.6	55.1	6.8	2.7

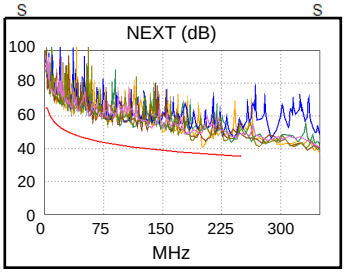
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	12	36
RL (dB)	5.0	6.1	6.7	6.2
Freq. (MHz)	29.5	245.0	234.5	250.0
Limit (dB)	18.7	10.1	10.3	10.0

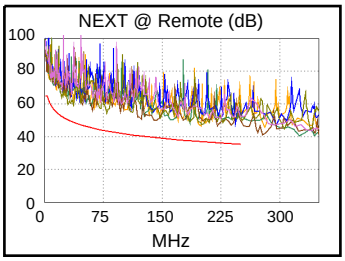
Compliant Network Standards:

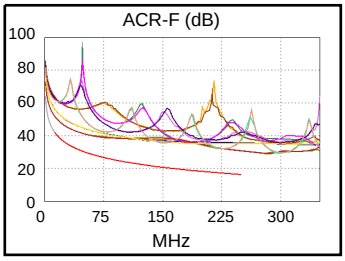
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

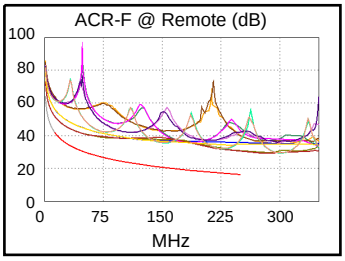


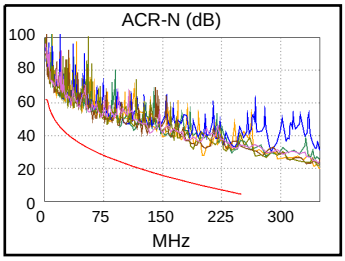


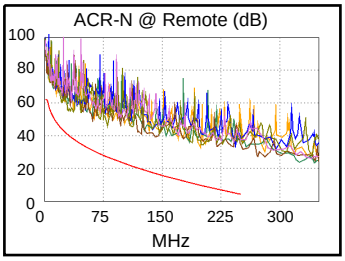


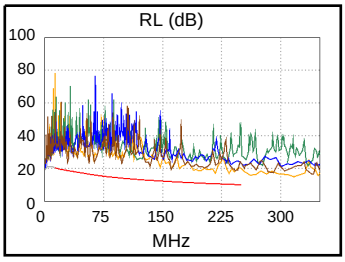


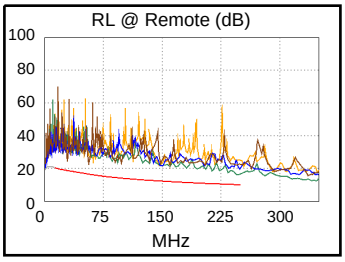












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 015

Date / Time: 05/03/2019 08:25:57 PM
Headroom 6.9 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	218
Prop. Delay (ns), Limit 498	[Pair 45]	341
Delay Skew (ns), Limit 44	[Pair 45]	20
Resistance (ohms)	[Pair 45]	11.00
Insertion Loss Margin (dB)	[Pair 36]	7.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
NEXT (dB)	7.1	6.9	7.2	9.2
Freq. (MHz)	234.0	51.8	246.5	249.5
Limit (dB)	35.8	46.5	35.4	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	7.4	8.5	7.4	8.8
Freq. (MHz)	246.5	177.0	246.5	249.5
Limit (dB)	32.8	35.2	32.8	32.7

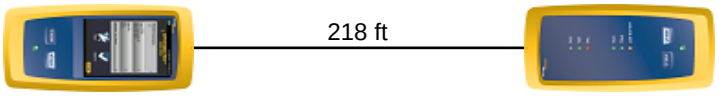
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-12	78-12
ACR-F (dB)	9.6	9.6	12.1	12.1
Freq. (MHz)	3.6	3.6	222.5	215.5
Limit (dB)	53.0	53.0	17.2	17.5
Worst Pair	36	36	12	12
PS ACR-F (dB)	9.2	9.3	14.4	14.9
Freq. (MHz)	1.6	1.1	228.5	230.5
Limit (dB)	57.0	60.2	14.0	13.9

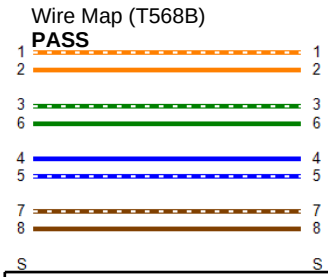
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	12-45	36-45
ACR-N (dB)	9.1	10.1	15.0	17.0
Freq. (MHz)	10.4	51.8	246.5	249.5
Limit (dB)	51.9	33.5	4.6	4.3
Worst Pair	78	36	45	45
PS ACR-N (dB)	10.0	10.8	15.3	16.5
Freq. (MHz)	9.0	24.5	247.0	249.5
Limit (dB)	51.0	40.5	1.9	1.7

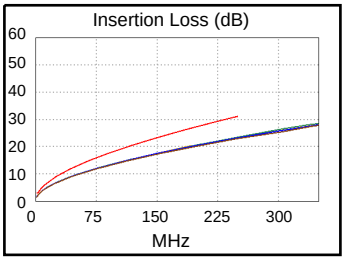
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	78	12	36
RL (dB)	3.3	6.2	3.3	6.3
Freq. (MHz)	185.5	72.3	185.5	244.0
Limit (dB)	11.3	15.4	11.3	10.1

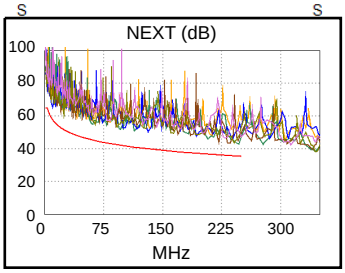
Compliant Network Standards:

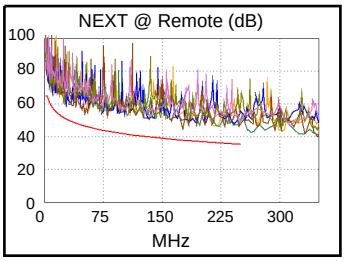
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

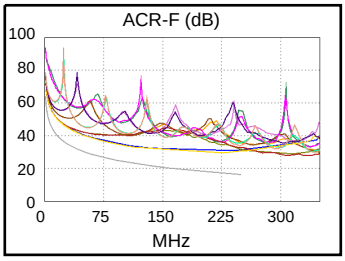


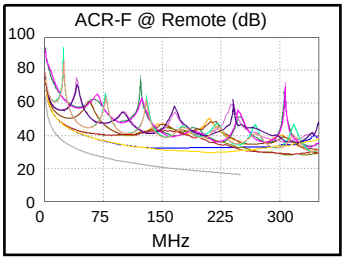


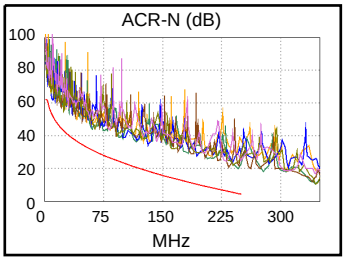


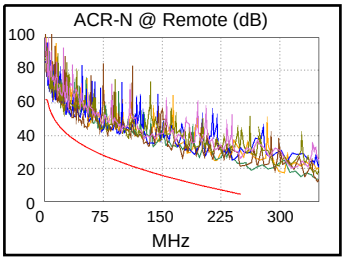


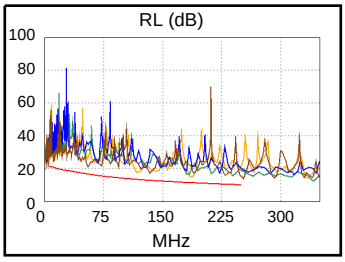


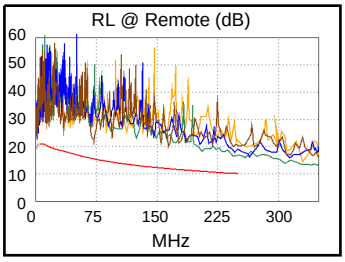












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 016

Date / Time: 05/03/2019 08:26:26 PM
Headroom 7.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	217
Prop. Delay (ns), Limit 498	[Pair 45]	341
Delay Skew (ns), Limit 44	[Pair 45]	21
Resistance (ohms)	[Pair 45]	11.04
Insertion Loss Margin (dB)	[Pair 36]	8.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	7.1	8.5	7.1	8.5
Freq. (MHz)	246.0	237.0	246.0	237.0
Limit (dB)	35.5	35.7	35.5	35.7
Worst Pair	36	45	36	45
PS NEXT (dB)	7.0	8.9	7.0	8.9
Freq. (MHz)	244.0	232.5	244.0	232.5
Limit (dB)	32.9	33.2	32.9	33.2

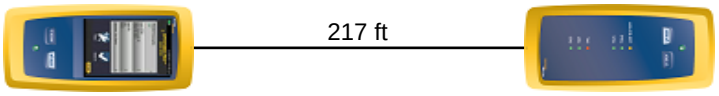
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	12.9	13.2	13.3	13.8
Freq. (MHz)	180.5	181.0	250.0	250.0
Limit (dB)	19.1	19.0	16.2	16.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	15.1	14.7	16.0	15.6
Freq. (MHz)	183.5	195.5	250.0	244.0
Limit (dB)	15.9	15.4	13.2	13.4

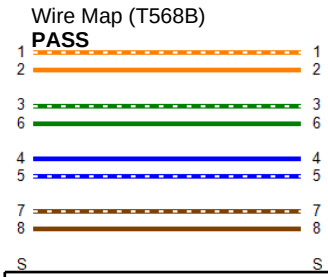
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	36-45
ACR-N (dB)	10.9	12.1	15.4	16.8
Freq. (MHz)	25.4	18.4	246.0	237.0
Limit (dB)	42.5	46.1	4.6	5.6
Worst Pair	36	36	36	36
PS ACR-N (dB)	10.8	12.6	15.1	17.8
Freq. (MHz)	22.6	18.4	244.5	241.0
Limit (dB)	41.4	43.7	2.2	2.5

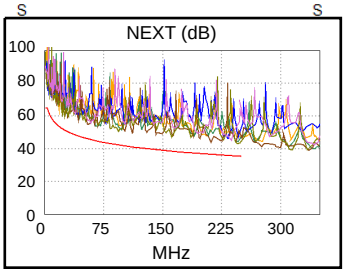
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	36
RL (dB)	1.7	4.4	1.7	6.0
Freq. (MHz)	165.5	72.5	165.5	231.0
Limit (dB)	11.8	15.4	11.8	10.4

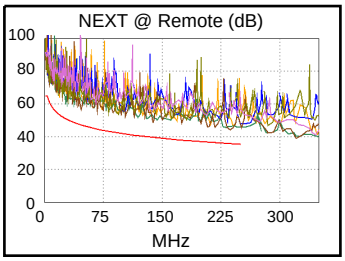
Compliant Network Standards:

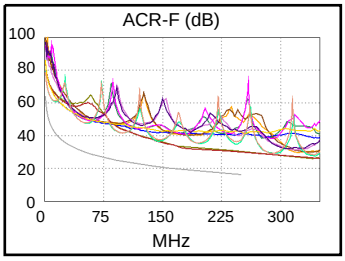
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

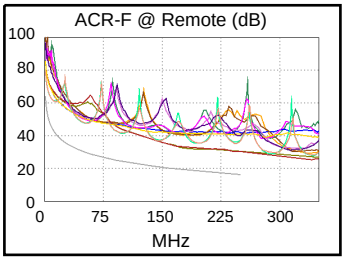


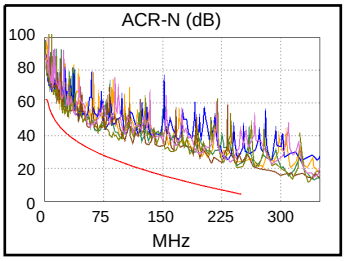


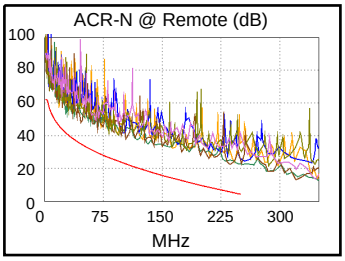


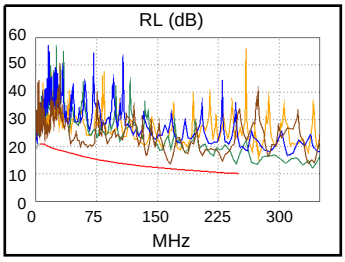


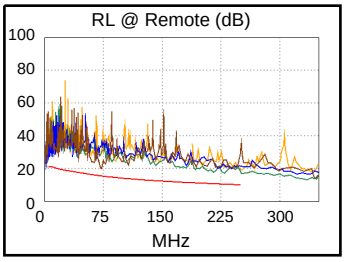












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 017

Date / Time: 05/03/2019 08:27:13 PM
Headroom 6.8 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	192
Prop. Delay (ns), Limit 498	[Pair 45]	301
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 45]	9.78
Insertion Loss Margin (dB)	[Pair 36]	10.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
NEXT (dB)	6.8	6.8	8.8	7.7
Freq. (MHz)	110.0	46.0	229.5	241.5
Limit (dB)	41.2	47.3	35.9	35.6
Worst Pair	45	45	45	45
PS NEXT (dB)	7.7	7.2	8.4	7.2
Freq. (MHz)	108.5	229.5	229.0	229.5
Limit (dB)	38.7	33.3	33.3	33.3

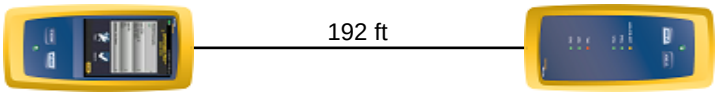
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	13.0	13.1	13.6	14.0
Freq. (MHz)	219.5	219.5	247.0	249.0
Limit (dB)	17.4	17.4	16.3	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.6	14.1	15.3	14.3
Freq. (MHz)	1.5	219.5	232.0	223.5
Limit (dB)	57.7	14.4	13.9	14.2

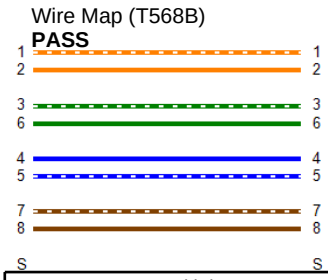
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	10.8	11.1	21.0	18.7
Freq. (MHz)	7.0	46.0	249.5	241.5
Limit (dB)	55.6	35.1	4.3	5.1
Worst Pair	36	36	45	45
PS ACR-N (dB)	12.5	12.9	21.0	18.0
Freq. (MHz)	7.0	46.0	250.0	229.5
Limit (dB)	53.3	32.6	1.6	3.7

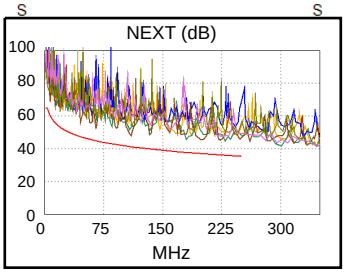
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	36	36
RL (dB)	6.9	4.5	7.0	5.6
Freq. (MHz)	80.3	72.8	249.5	247.5
Limit (dB)	15.0	15.4	10.0	10.1

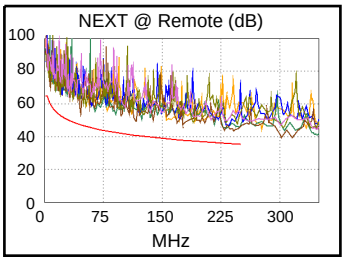
Compliant Network Standards:

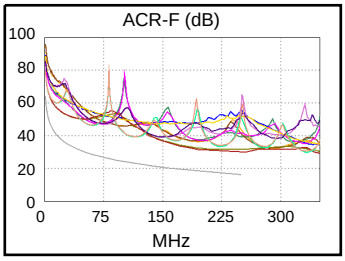
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

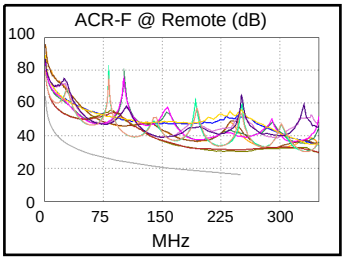


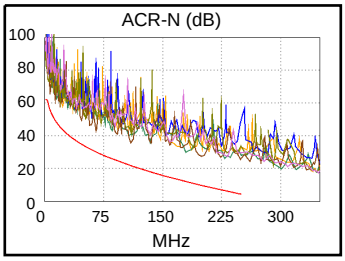


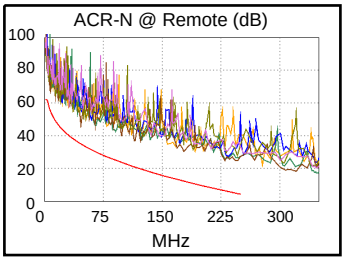


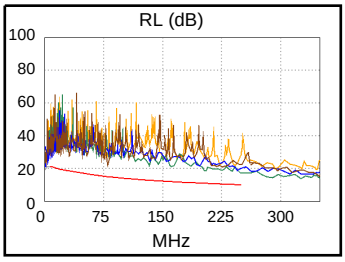


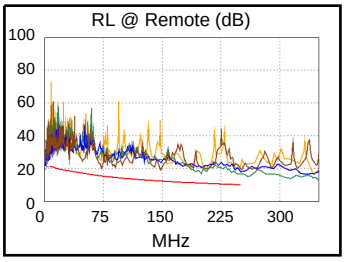












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 018

Date / Time: 05/03/2019 08:27:30 PM
Headroom 6.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	193
Prop. Delay (ns), Limit 498	[Pair 45]	302
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 45]	9.81
Insertion Loss Margin (dB)	[Pair 36]	10.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.1	8.4	6.1	8.4
Freq. (MHz)	233.5	249.5	233.5	249.5
Limit (dB)	35.8	35.4	35.8	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	7.5	8.5	7.5	8.5
Freq. (MHz)	233.5	238.0	233.5	238.0
Limit (dB)	33.2	33.1	33.2	33.1

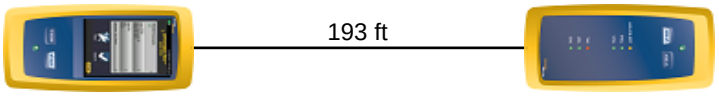
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	45-78
ACR-F (dB)	11.5	11.5	17.6	17.7
Freq. (MHz)	4.4	4.4	223.5	223.0
Limit (dB)	51.4	51.4	17.2	17.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	12.2	12.2	18.1	18.2
Freq. (MHz)	1.3	1.5	223.5	223.0
Limit (dB)	59.3	57.7	14.2	14.2

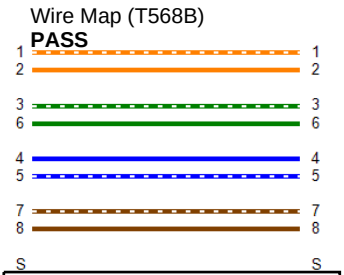
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	11.5	11.9	16.8	19.5
Freq. (MHz)	10.0	9.9	233.5	249.5
Limit (dB)	52.3	52.4	5.9	4.3
Worst Pair	36	36	45	45
PS ACR-N (dB)	12.7	13.0	18.2	20.2
Freq. (MHz)	9.9	9.9	233.5	249.5
Limit (dB)	50.1	50.1	3.3	1.7

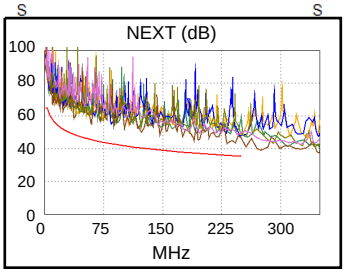
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	7.4	6.0	7.5	6.5
Freq. (MHz)	48.3	209.0	242.0	249.5
Limit (dB)	17.2	10.8	10.2	10.0

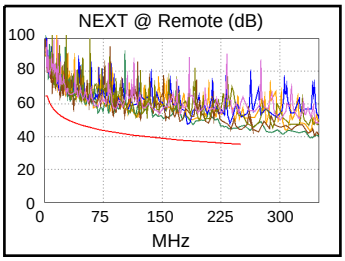
Compliant Network Standards:

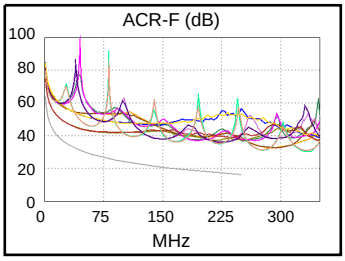
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

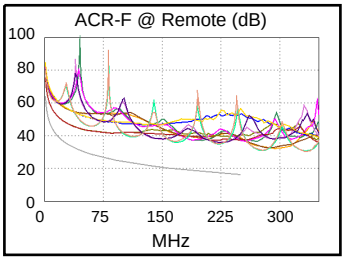


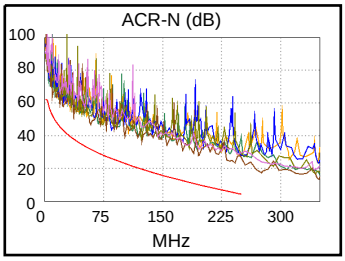


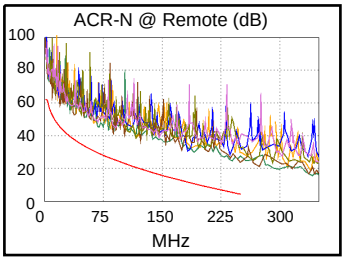


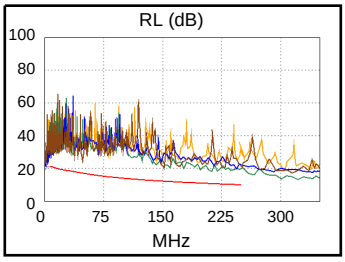


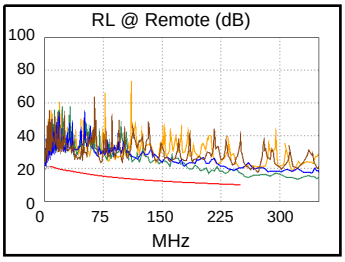












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 019

Date / Time: 05/03/2019 08:29:18 PM
Headroom 6.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	188
Prop. Delay (ns), Limit 498	[Pair 45]	295
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 36]	9.51
Insertion Loss Margin (dB)	[Pair 36]	10.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
NEXT (dB)	6.8	6.5	6.8	8.9
Freq. (MHz)	215.5	142.0	215.5	241.5
Limit (dB)	36.4	39.4	36.4	35.6
Worst Pair	78	45	45	45
PS NEXT (dB)	7.8	7.8	9.6	7.8
Freq. (MHz)	13.3	231.5	246.5	231.5
Limit (dB)	53.5	33.3	32.8	33.3

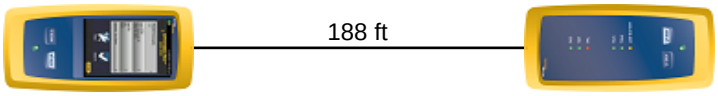
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	11.8	11.5	11.9	11.6
Freq. (MHz)	249.0	249.0	249.5	249.5
Limit (dB)	16.3	16.3	16.2	16.2
Worst Pair	45	36	45	36
PS ACR-F (dB)	13.9	13.9	13.9	14.0
Freq. (MHz)	249.0	249.0	249.0	249.5
Limit (dB)	13.3	13.3	13.3	13.2

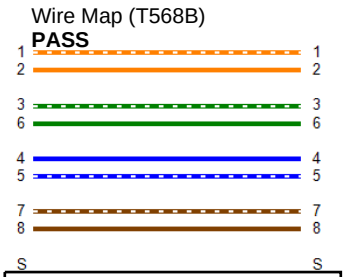
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	12-45
ACR-N (dB)	10.6	11.4	19.7	19.8
Freq. (MHz)	13.3	10.6	246.5	241.5
Limit (dB)	49.5	51.7	4.6	5.1
Worst Pair	78	78	45	45
PS ACR-N (dB)	10.1	11.2	20.5	18.5
Freq. (MHz)	13.3	13.1	246.5	231.5
Limit (dB)	47.1	47.2	2.0	3.5

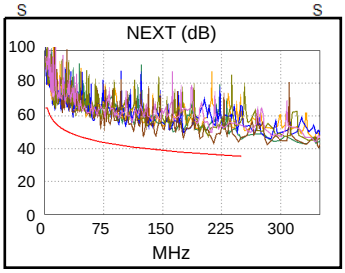
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	4.9	3.2	4.9	3.2
Freq. (MHz)	184.0	111.5	184.0	111.5
Limit (dB)	11.4	13.5	11.4	13.5

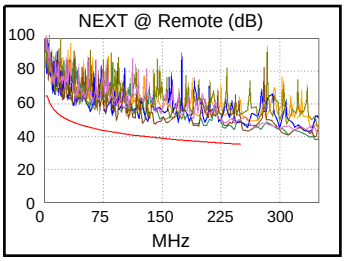
Compliant Network Standards:

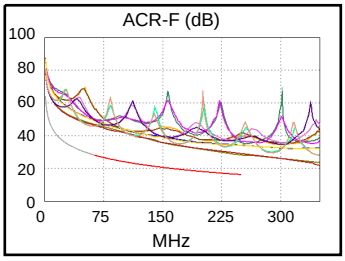
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

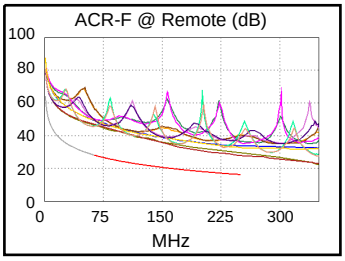


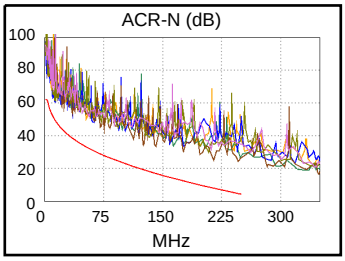


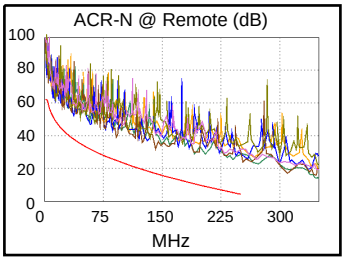


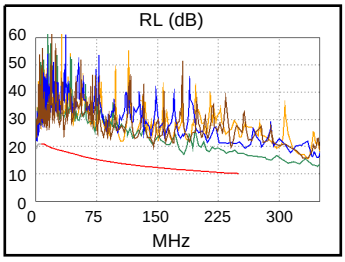


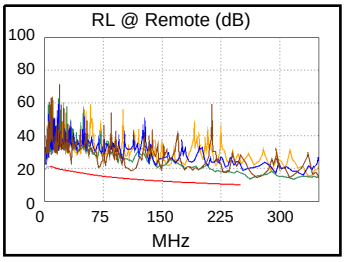












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 020

Date / Time: 05/03/2019 08:29:49 PM
Headroom 7.2 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	187
Prop. Delay (ns), Limit 498	[Pair 45]	293
Delay Skew (ns), Limit 44	[Pair 45]	17
Resistance (ohms)	[Pair 45]	9.49
Insertion Loss Margin (dB)	[Pair 36]	11.5
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.2	8.0	7.2	10.2
Freq. (MHz)	245.0	71.3	245.0	243.0
Limit (dB)	35.5	44.2	35.5	35.5
Worst Pair	36	45	36	45
PS NEXT (dB)	8.4	10.1	8.4	11.0
Freq. (MHz)	245.0	71.3	245.0	243.5
Limit (dB)	32.9	41.7	32.9	32.9

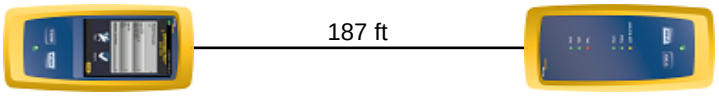
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	12.0	11.8	13.0	13.2
Freq. (MHz)	178.5	184.5	220.0	228.0
Limit (dB)	19.2	18.9	17.3	17.0
Worst Pair	45	45	45	36
PS ACR-F (dB)	13.0	12.9	14.4	14.2
Freq. (MHz)	1.0	1.0	227.5	220.5
Limit (dB)	61.2	61.2	14.0	14.3

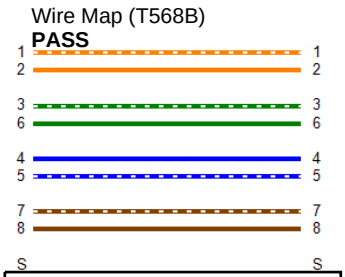
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-45	36-45
ACR-N (dB)	12.8	12.7	18.9	21.8
Freq. (MHz)	8.8	9.1	245.5	243.0
Limit (dB)	53.6	53.2	4.7	4.9
Worst Pair	36	36	36	78
PS ACR-N (dB)	12.8	12.4	19.7	22.6
Freq. (MHz)	9.0	9.0	245.0	246.5
Limit (dB)	51.0	51.0	2.1	2.0

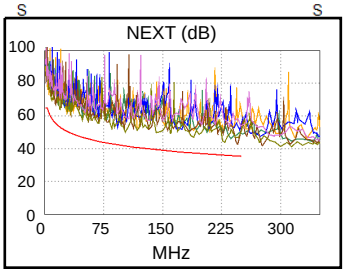
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	5.6	5.8	5.6
Freq. (MHz)	243.5	227.5	243.5	227.5
Limit (dB)	10.1	10.4	10.1	10.4

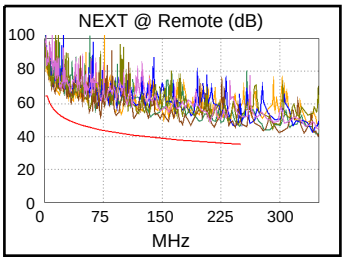
Compliant Network Standards:

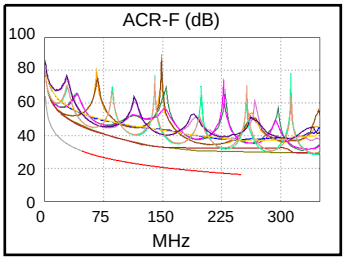
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

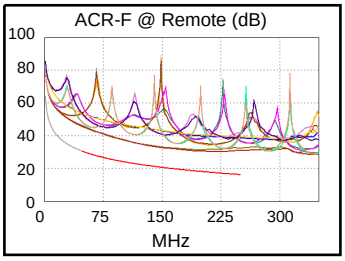


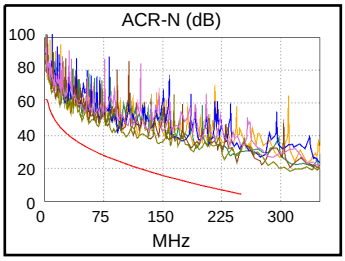


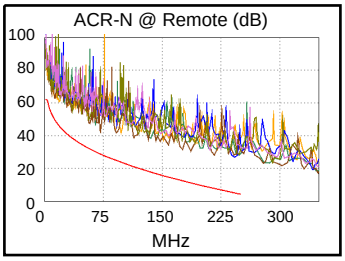


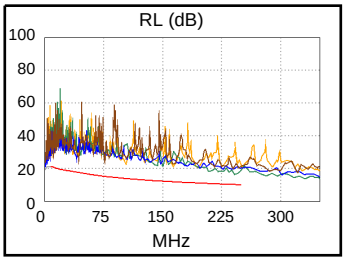


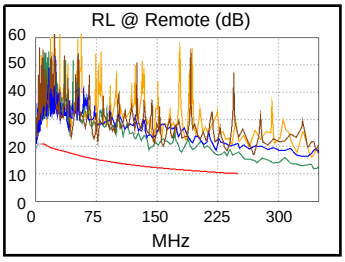












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 021

Date / Time: 05/03/2019 08:31:26 PM
Headroom 6.7 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	88
Prop. Delay (ns), Limit 498	[Pair 45]	138
Delay Skew (ns), Limit 44	[Pair 45]	8
Resistance (ohms)	[Pair 45]	4.60
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	12-36	12-36
NEXT (dB)	8.0	6.7	8.9	6.7
Freq. (MHz)	139.0	228.5	244.0	228.5
Limit (dB)	39.5	36.0	35.5	36.0
Worst Pair	12	36	12	12
PS NEXT (dB)	9.2	8.4	9.2	8.5
Freq. (MHz)	240.5	227.5	240.5	237.5
Limit (dB)	33.0	33.4	33.0	33.1

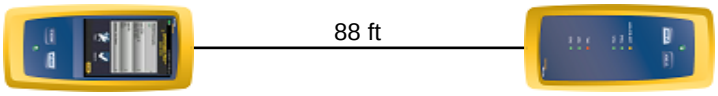
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	78-45	45-78
ACR-F (dB)	9.3	9.3	16.3	16.2
Freq. (MHz)	2.8	2.8	244.5	244.5
Limit (dB)	55.4	55.4	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	11.2	11.2	17.3	17.3
Freq. (MHz)	1.6	2.0	249.0	245.5
Limit (dB)	57.0	55.2	13.3	13.4

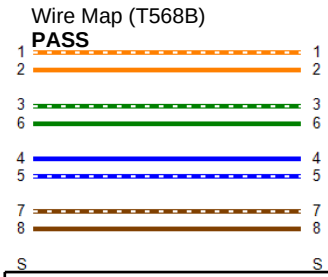
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	16.2	16.4	30.6	27.2
Freq. (MHz)	9.3	25.4	248.0	228.5
Limit (dB)	53.0	42.5	4.4	6.5
Worst Pair	12	12	36	12
PS ACR-N (dB)	16.8	17.4	30.8	29.7
Freq. (MHz)	8.9	25.4	244.0	237.5
Limit (dB)	51.1	40.1	2.2	2.9

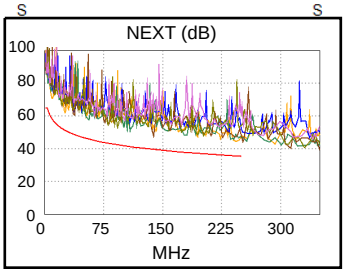
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	6.1	6.6	6.9
Freq. (MHz)	148.5	167.5	228.0	239.0
Limit (dB)	12.3	11.8	10.4	10.2

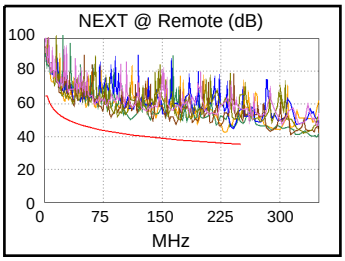
Compliant Network Standards:

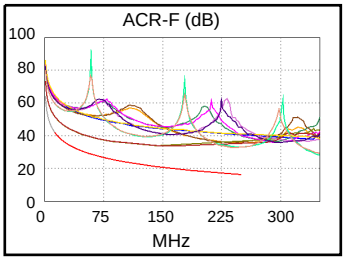
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

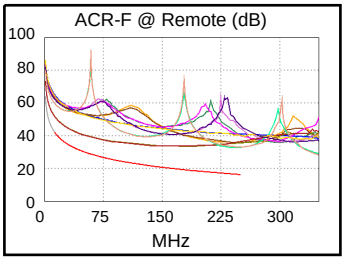


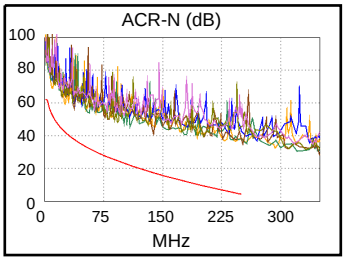


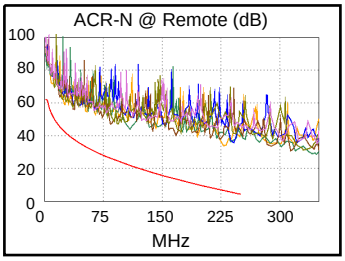


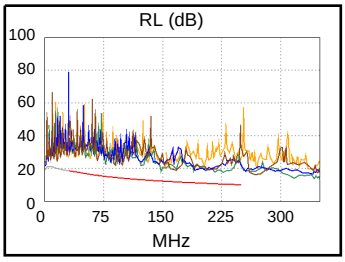


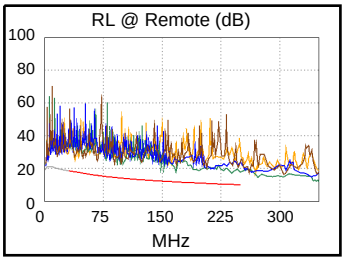












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 022

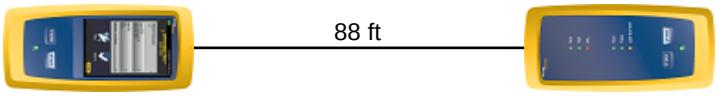
Date / Time: 05/03/2019 08:31:52 PM
Headroom 7.5 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

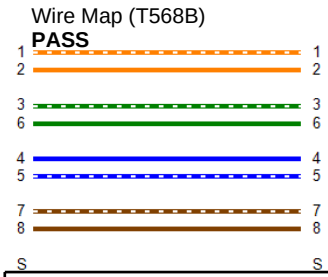
Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

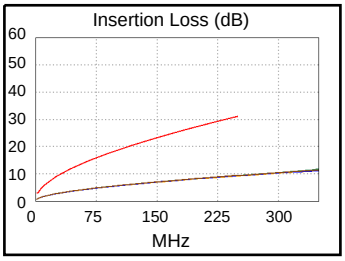
Test Summary: PASS

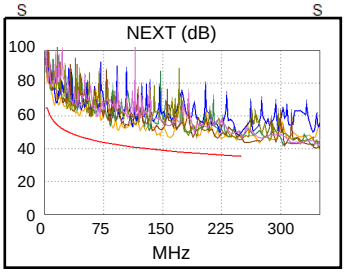
Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

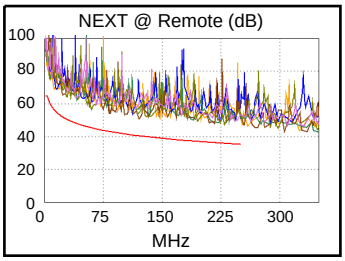
Length (ft), Limit 295	[Pair 78]	88
Prop. Delay (ns), Limit 498	[Pair 45]	137
Delay Skew (ns), Limit 44	[Pair 45]	8
Resistance (ohms)	[Pair 45]	4.45
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

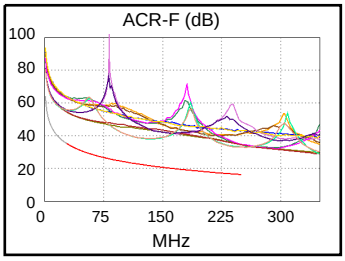


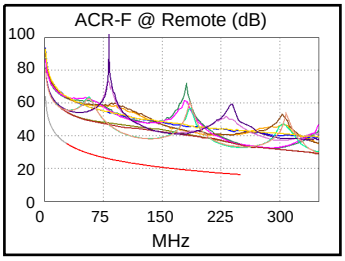


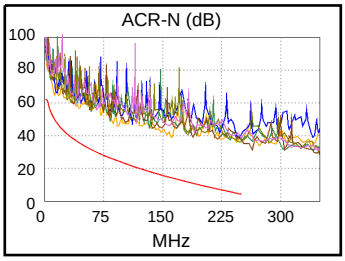


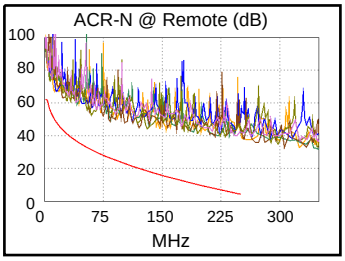


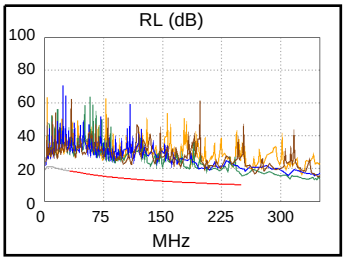


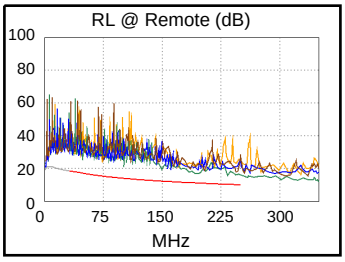












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-78
NEXT (dB)	7.5	10.2	9.8	11.5
Freq. (MHz)	161.0	187.5	243.5	229.5
Limit (dB)	38.5	37.4	35.5	35.9
Worst Pair	36	45	36	45
PS NEXT (dB)	8.6	10.3	8.7	11.7
Freq. (MHz)	245.0	83.3	245.5	243.5
Limit (dB)	32.9	40.6	32.8	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	15.8	15.9	16.6	16.5
Freq. (MHz)	120.5	120.5	250.0	250.0
Limit (dB)	22.6	22.6	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.9	16.2	16.0	16.2
Freq. (MHz)	249.0	250.0	250.0	250.0
Limit (dB)	13.3	13.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-78
ACR-N (dB)	14.8	16.9	31.2	32.3
Freq. (MHz)	12.1	12.1	244.0	229.5
Limit (dB)	50.4	50.4	4.8	6.3
Worst Pair	12	12	36	45
PS ACR-N (dB)	16.5	18.3	30.0	33.2
Freq. (MHz)	12.8	12.9	245.5	243.5
Limit (dB)	47.5	47.4	2.1	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.1	5.4	6.1	5.4
Freq. (MHz)	248.0	233.5	248.0	233.5
Limit (dB)	10.1	10.3	10.1	10.3

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 023

Date / Time: 05/03/2019 08:36:02 PM
Headroom 8.7 dB (NEXT 12-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	102
Prop. Delay (ns), Limit 498	[Pair 45]	160
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.24
Insertion Loss Margin (dB)	[Pair 36]	20.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	12-45	36-45
NEXT (dB)	8.7	8.8	9.3	8.9
Freq. (MHz)	230.0	102.0	250.0	243.0
Limit (dB)	35.9	41.7	35.3	35.5
Worst Pair	12	36	12	45
PS NEXT (dB)	8.8	9.2	8.8	10.1
Freq. (MHz)	230.0	209.5	230.0	243.0
Limit (dB)	33.3	34.0	33.3	32.9

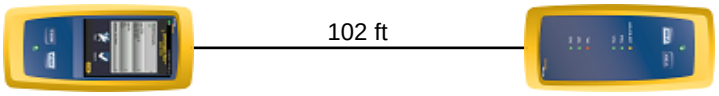
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	45-36	12-78
ACR-F (dB)	15.7	15.7	17.1	17.0
Freq. (MHz)	9.4	9.4	250.0	250.0
Limit (dB)	44.8	44.8	16.2	16.2
Worst Pair	78	78	36	36
PS ACR-F (dB)	14.7	14.4	18.1	18.4
Freq. (MHz)	1.4	1.0	250.0	250.0
Limit (dB)	58.4	61.2	13.2	13.2

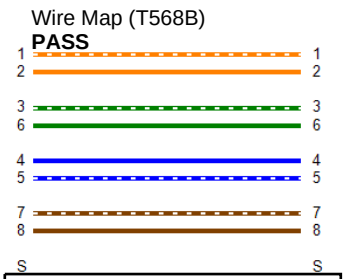
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
ACR-N (dB)	15.1	14.4	29.7	29.0
Freq. (MHz)	23.3	6.8	250.0	243.0
Limit (dB)	43.5	56.0	4.2	4.9
Worst Pair	45	45	12	45
PS ACR-N (dB)	14.6	15.9	30.3	30.2
Freq. (MHz)	22.9	6.8	250.0	243.0
Limit (dB)	41.3	53.6	1.6	2.3

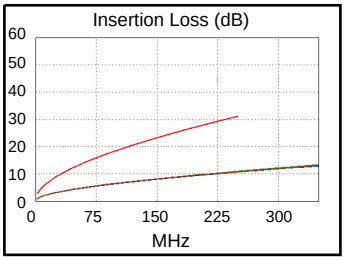
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	6.3	6.7	7.2	7.0
Freq. (MHz)	24.3	228.0	235.0	248.0
Limit (dB)	19.1	10.4	10.3	10.1

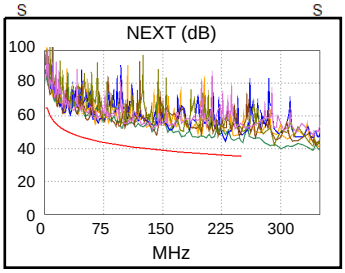
Compliant Network Standards:

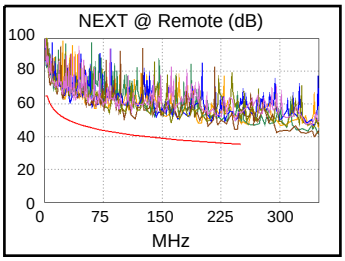
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

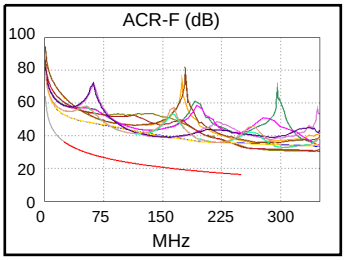


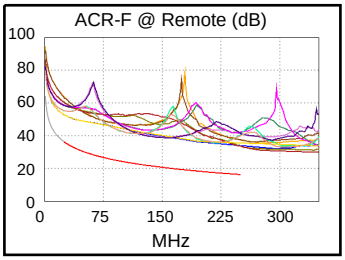


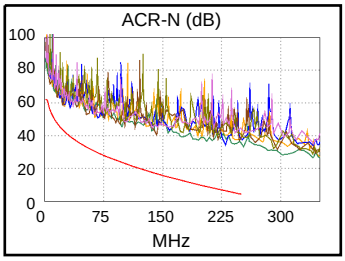


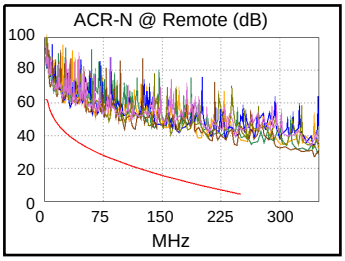


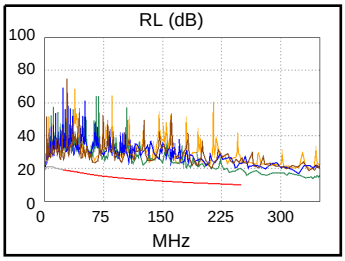


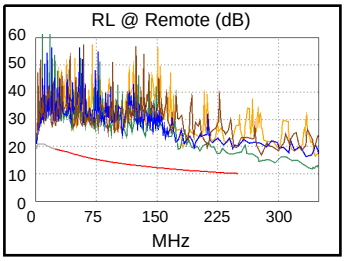












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 024

Date / Time: 05/03/2019 08:36:20 PM
Headroom 6.7 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	101
Prop. Delay (ns), Limit 498	[Pair 45]	158
Delay Skew (ns), Limit 44	[Pair 45]	9
Resistance (ohms)	[Pair 36]	5.20
Insertion Loss Margin (dB)	[Pair 36]	20.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	7.4	6.7	8.7	6.8
Freq. (MHz)	184.5	249.5	249.5	250.0
Limit (dB)	37.5	35.4	35.4	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	8.7	7.6	9.7	7.8
Freq. (MHz)	174.5	245.0	249.5	248.5
Limit (dB)	35.3	32.9	32.7	32.7

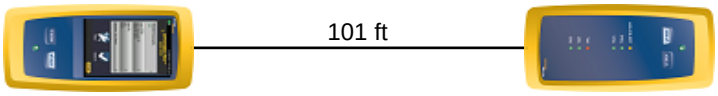
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	8.8	8.8	12.4	12.1
Freq. (MHz)	2.4	2.6	249.0	249.0
Limit (dB)	56.7	55.8	16.3	16.3
Worst Pair	45	45	36	36
PS ACR-F (dB)	10.7	10.7	14.6	14.2
Freq. (MHz)	1.3	1.5	248.5	249.0
Limit (dB)	59.3	57.7	13.3	13.3

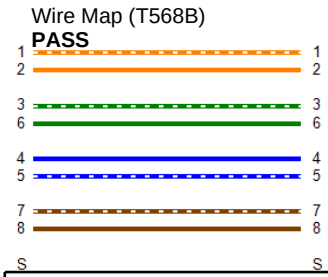
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
ACR-N (dB)	14.2	13.9	29.3	27.4
Freq. (MHz)	22.3	5.3	249.5	250.0
Limit (dB)	44.0	58.2	4.3	4.2
Worst Pair	36	36	45	45
PS ACR-N (dB)	15.4	15.2	30.2	28.2
Freq. (MHz)	15.4	5.4	249.5	248.5
Limit (dB)	45.6	55.7	1.7	1.8

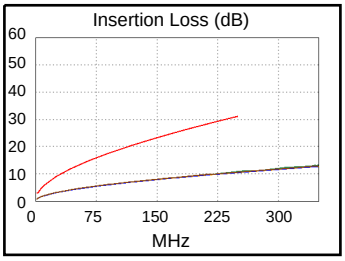
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	36
RL (dB)	5.7	5.5	6.1	5.8
Freq. (MHz)	55.5	55.5	241.5	247.0
Limit (dB)	16.6	16.6	10.2	10.1

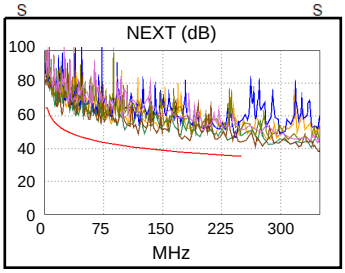
Compliant Network Standards:

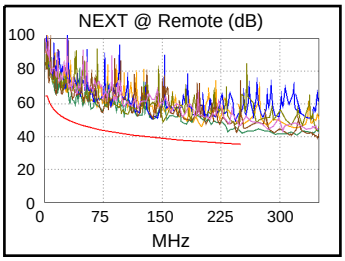
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

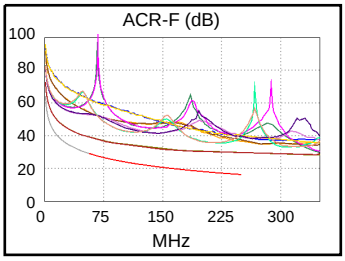


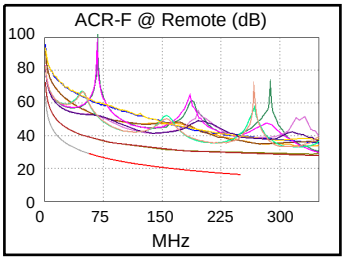


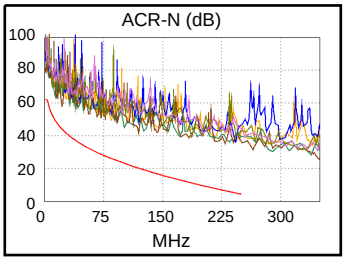


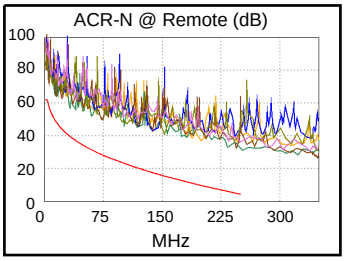


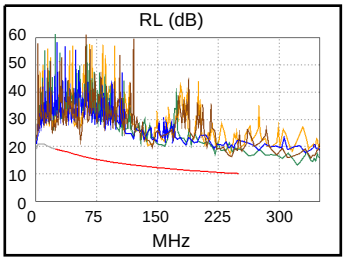


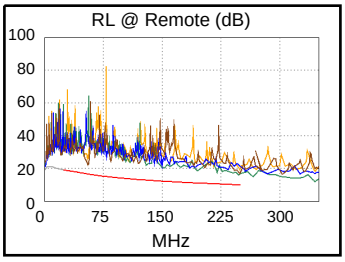












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 025

Date / Time: 05/24/2019 05:33:36 PM
Headroom 6.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	111
Prop. Delay (ns), Limit 498	[Pair 45]	173
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.71
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.3	6.5	7.3	6.5
Freq. (MHz)	195.0	195.0	195.0	195.0
Limit (dB)	37.1	37.1	37.1	37.1
Worst Pair	36	45	45	45
PS NEXT (dB)	8.9	7.9	10.3	7.9
Freq. (MHz)	194.5	195.0	250.0	195.0
Limit (dB)	34.5	34.5	32.7	34.5

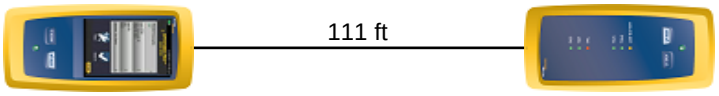
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.2	14.5	14.3	14.6
Freq. (MHz)	249.0	249.0	250.0	250.0
Limit (dB)	16.3	16.3	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	14.8	15.3	14.8	15.4
Freq. (MHz)	249.0	240.5	249.0	250.0
Limit (dB)	13.3	13.6	13.3	13.2

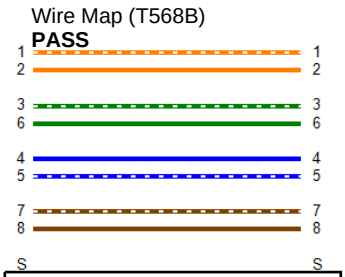
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
ACR-N (dB)	11.6	12.5	29.0	23.1
Freq. (MHz)	12.3	12.4	249.5	195.0
Limit (dB)	50.3	50.2	4.3	10.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.6	14.1	29.4	29.2
Freq. (MHz)	12.3	11.8	250.0	250.0
Limit (dB)	47.9	48.4	1.6	1.6

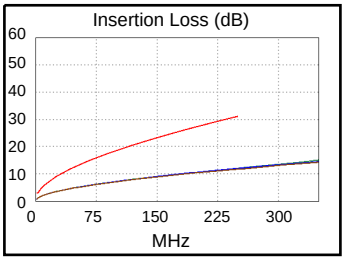
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	4.7	5.3	5.4	5.8
Freq. (MHz)	25.6	195.5	246.5	249.5
Limit (dB)	19.0	11.1	10.1	10.0

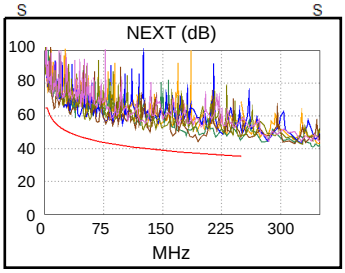
Compliant Network Standards:

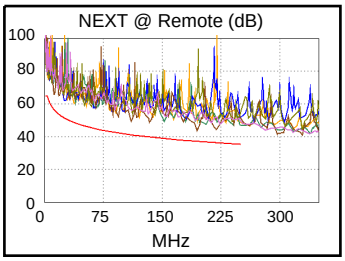
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

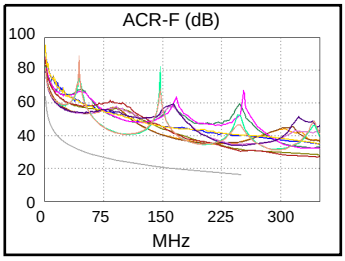


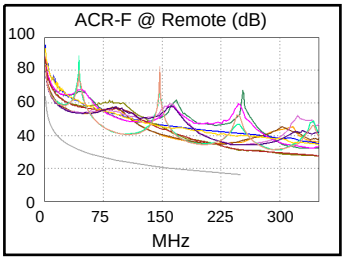


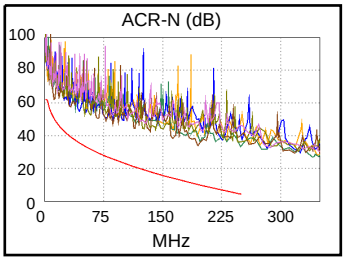


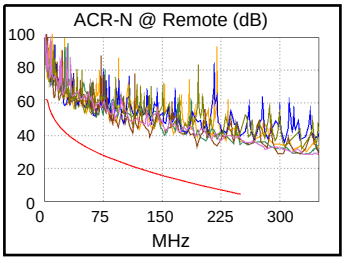


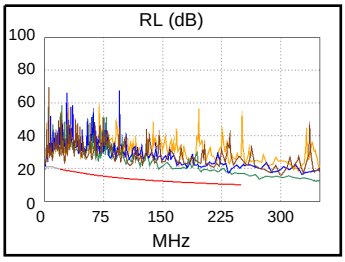


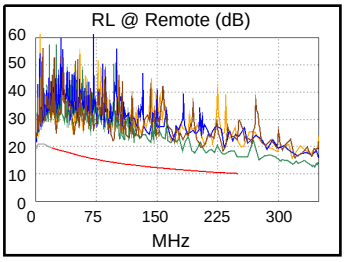












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 026

Date / Time: 05/03/2019 08:37:31 PM
Headroom 6.1 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	110
Prop. Delay (ns), Limit 498	[Pair 45]	172
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.60
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	6.1	6.4	9.2	7.2
Freq. (MHz)	41.0	188.5	240.5	243.5
Limit (dB)	48.1	37.4	35.6	35.5
Worst Pair	36	36	45	36
PS NEXT (dB)	7.7	7.0	8.8	7.0
Freq. (MHz)	41.3	240.5	240.0	240.5
Limit (dB)	45.6	33.0	33.0	33.0

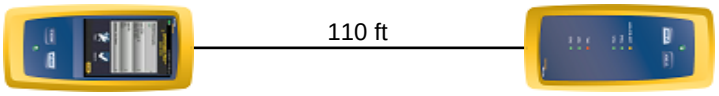
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	11.5	11.5	14.1	14.0
Freq. (MHz)	3.3	3.3	250.0	250.0
Limit (dB)	54.0	54.0	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	13.3	13.2	14.9	15.0
Freq. (MHz)	1.6	1.1	249.5	250.0
Limit (dB)	57.0	60.2	13.2	13.2

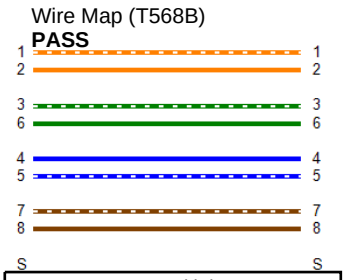
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	12.9	13.1	28.4	26.3
Freq. (MHz)	13.6	13.5	240.5	243.5
Limit (dB)	49.2	49.3	5.2	4.9
Worst Pair	12	12	45	36
PS ACR-N (dB)	14.3	14.5	28.1	26.0
Freq. (MHz)	9.9	9.9	240.0	240.5
Limit (dB)	50.1	50.1	2.6	2.6

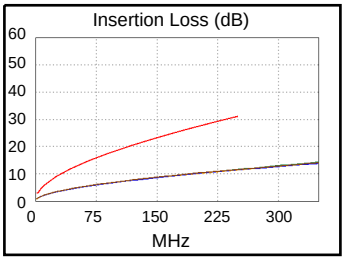
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	7.0	6.3	7.1	6.3
Freq. (MHz)	25.4	224.0	239.5	224.0
Limit (dB)	19.0	10.5	10.2	10.5

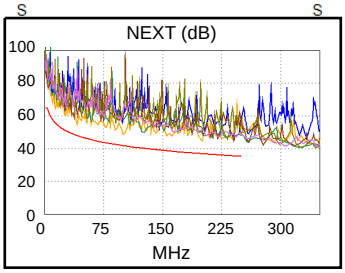
Compliant Network Standards:

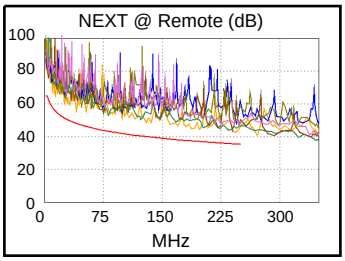
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

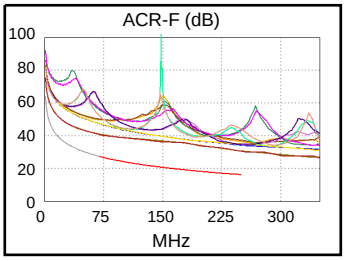


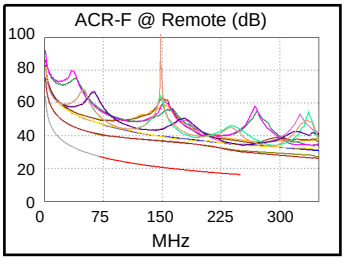


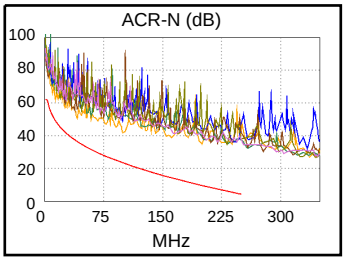


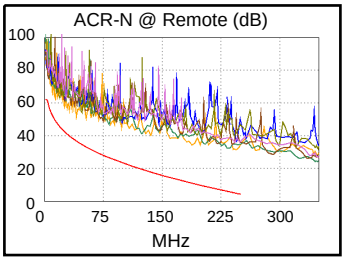


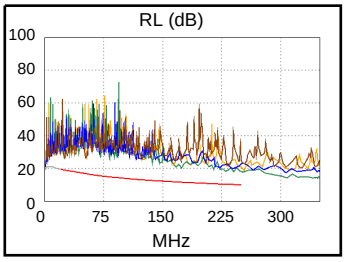


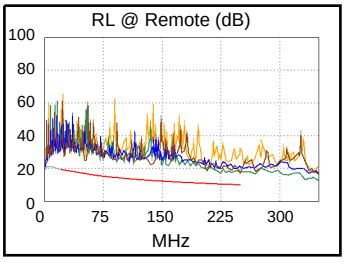












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 027

Date / Time: 05/03/2019 08:38:10 PM
Headroom 5.8 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	118
Prop. Delay (ns), Limit 498	[Pair 45]	185
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	6.00
Insertion Loss Margin (dB)	[Pair 36]	18.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	6.4	5.8	6.6	5.8
Freq. (MHz)	179.5	203.5	215.0	203.5
Limit (dB)	37.7	36.8	36.4	36.8
Worst Pair	36	36	45	36
PS NEXT (dB)	8.2	6.9	9.2	6.9
Freq. (MHz)	179.5	203.5	239.0	203.5
Limit (dB)	35.1	34.2	33.0	34.2

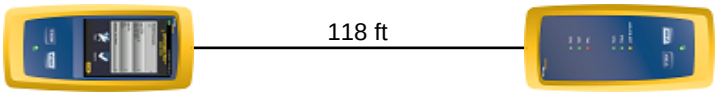
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	13.0	12.8	13.0	12.8
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	78	78	45	45
PS ACR-F (dB)	14.7	14.4	15.0	15.0
Freq. (MHz)	1.1	1.0	250.0	249.0
Limit (dB)	60.2	61.2	13.2	13.3

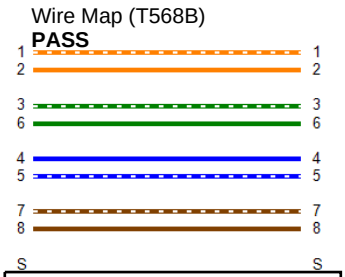
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
ACR-N (dB)	15.4	16.0	25.8	22.3
Freq. (MHz)	5.3	11.3	239.0	203.5
Limit (dB)	58.2	51.1	5.4	9.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	16.5	16.5	27.4	23.4
Freq. (MHz)	5.3	11.3	238.5	203.5
Limit (dB)	55.9	48.8	2.8	6.6

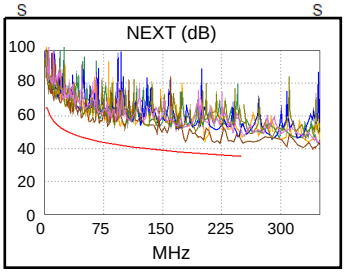
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	5.5	6.3	5.7	6.3
Freq. (MHz)	90.5	211.0	244.5	211.0
Limit (dB)	14.4	10.8	10.1	10.8

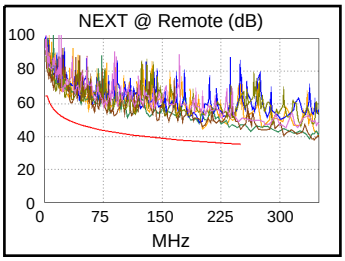
Compliant Network Standards:

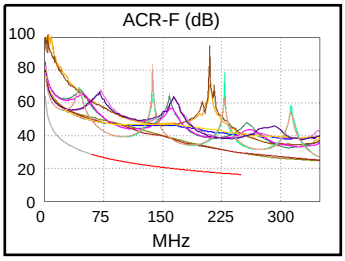
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

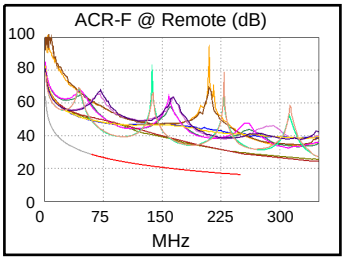


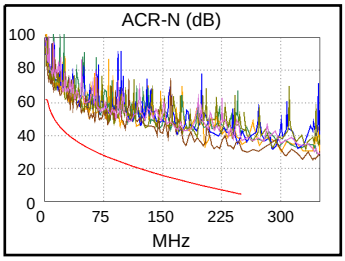


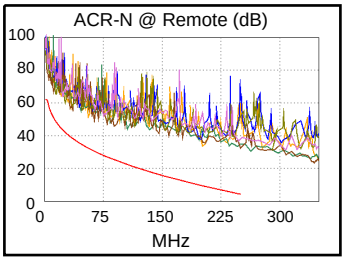


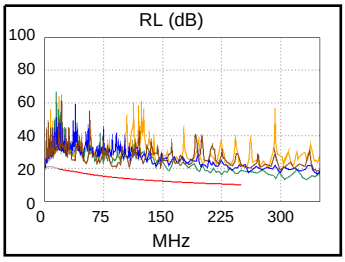


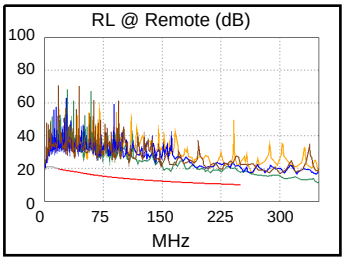












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 028

Date / Time: 05/03/2019 08:38:35 PM
Headroom 8.6 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	118
Prop. Delay (ns), Limit 498	[Pair 45]	186
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.07
Insertion Loss Margin (dB)	[Pair 36]	18.5
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-36	12-45
NEXT (dB)	8.6	8.6	9.4	8.6
Freq. (MHz)	204.0	244.0	244.5	244.0
Limit (dB)	36.8	35.5	35.5	35.5
Worst Pair	36	36	12	12
PS NEXT (dB)	9.5	9.0	9.6	9.3
Freq. (MHz)	198.5	170.5	244.0	247.5
Limit (dB)	34.4	35.5	32.9	32.8

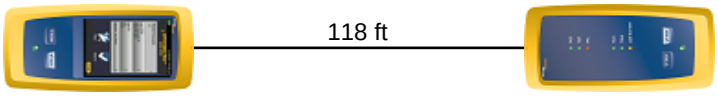
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	11.3	11.3	19.9	19.9
Freq. (MHz)	3.1	3.3	250.0	250.0
Limit (dB)	54.3	54.0	16.2	16.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	12.0	12.0	20.6	20.9
Freq. (MHz)	1.3	1.0	250.0	250.0
Limit (dB)	59.3	61.2	13.2	13.2

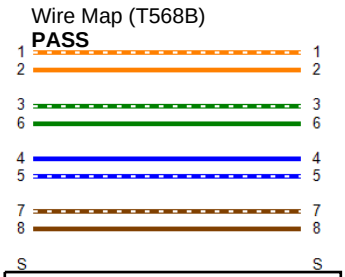
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-36	12-45
ACR-N (dB)	14.2	15.1	27.7	27.5
Freq. (MHz)	11.4	19.5	244.5	247.0
Limit (dB)	51.0	45.4	4.8	4.5
Worst Pair	45	12	12	12
PS ACR-N (dB)	14.6	15.7	28.2	28.0
Freq. (MHz)	19.4	20.0	244.0	247.5
Limit (dB)	43.1	42.8	2.2	1.9

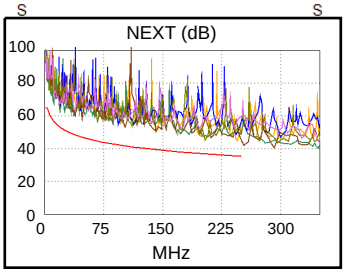
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	36	36
RL (dB)	5.9	5.8	6.4	5.8
Freq. (MHz)	34.8	218.5	247.0	218.5
Limit (dB)	18.3	10.6	10.1	10.6

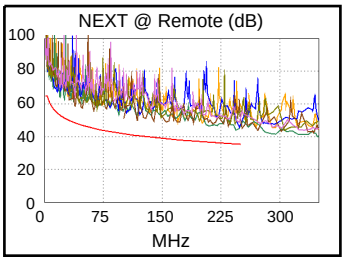
Compliant Network Standards:

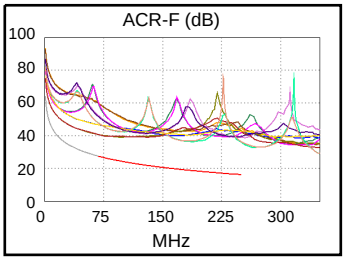
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

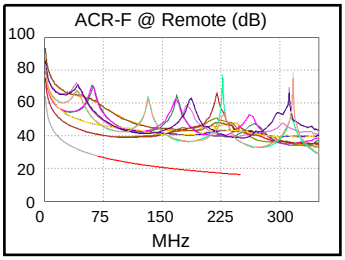


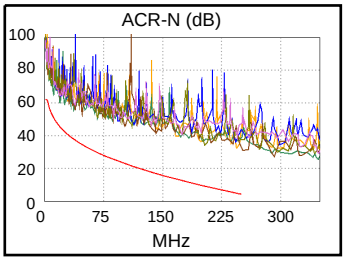


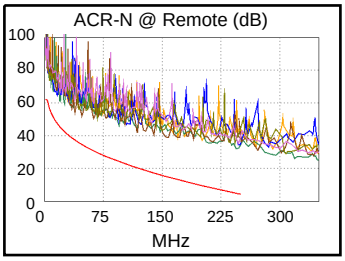


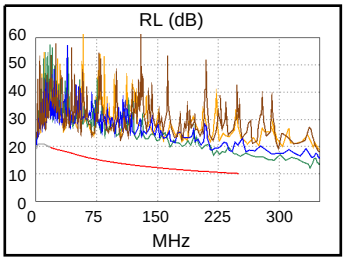


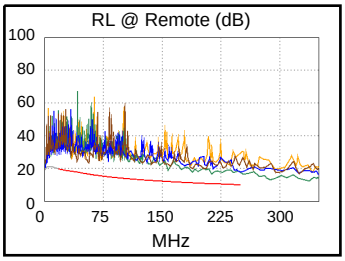












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 029

Date / Time: 05/03/2019 08:39:28 PM
Headroom 9.4 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	143
Prop. Delay (ns), Limit 498	[Pair 12]	223
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	6.81
Insertion Loss Margin (dB)	[Pair 78]	17.1
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	12-45	12-45
NEXT (dB)	9.4	9.5	9.4	11.5
Freq. (MHz)	249.5	117.5	249.5	247.0
Limit (dB)	35.4	40.7	35.4	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	10.8	11.2	10.8	11.5
Freq. (MHz)	249.5	235.5	249.5	247.5
Limit (dB)	32.7	33.1	32.7	32.8

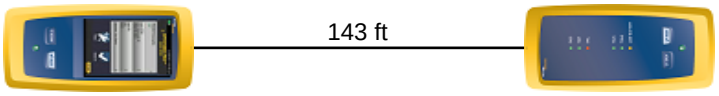
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-45	45-78
ACR-F (dB)	13.9	14.0	16.9	16.7
Freq. (MHz)	152.0	155.0	249.5	249.5
Limit (dB)	20.6	20.4	16.2	16.2
Worst Pair	45	45	45	78
PS ACR-F (dB)	15.9	15.6	19.1	18.8
Freq. (MHz)	147.0	146.5	250.0	249.5
Limit (dB)	17.8	17.9	13.2	13.2

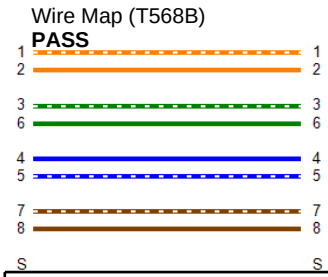
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	12-45	12-45
ACR-N (dB)	17.5	15.1	26.7	28.7
Freq. (MHz)	4.0	5.3	249.5	247.0
Limit (dB)	60.6	58.2	4.3	4.5
Worst Pair	78	78	45	45
PS ACR-N (dB)	16.9	15.0	28.0	28.7
Freq. (MHz)	7.3	7.3	249.5	247.5
Limit (dB)	53.0	53.0	1.7	1.9

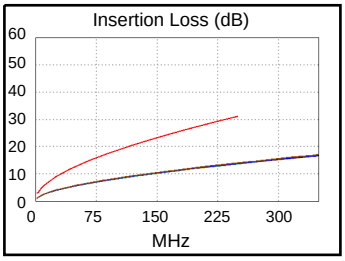
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.2	5.7	6.7	5.7
Freq. (MHz)	15.9	238.5	243.5	238.5
Limit (dB)	20.0	10.2	10.1	10.2

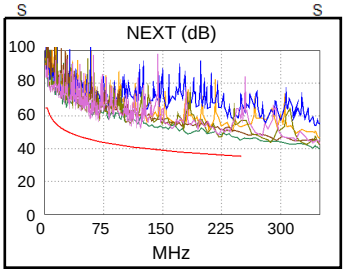
Compliant Network Standards:

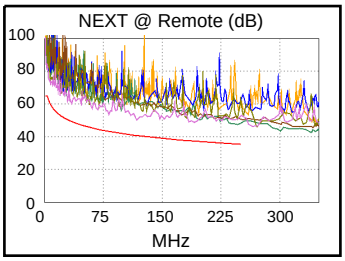
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

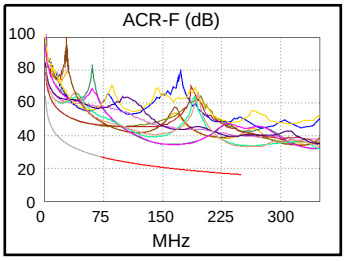


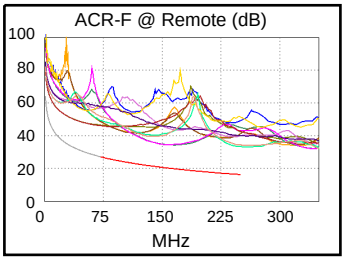


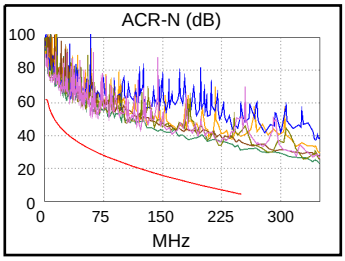


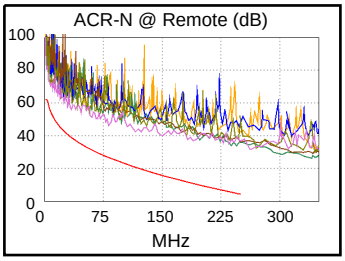


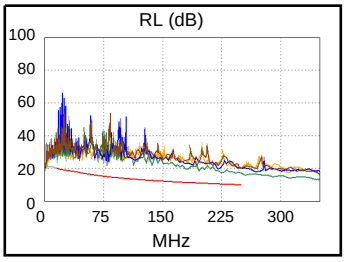


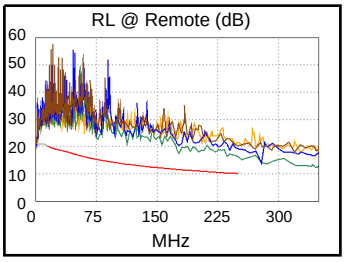












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 030

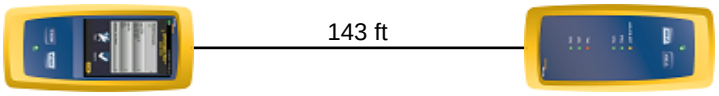
Date / Time: 05/03/2019 08:39:54 PM
Headroom 11.5 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

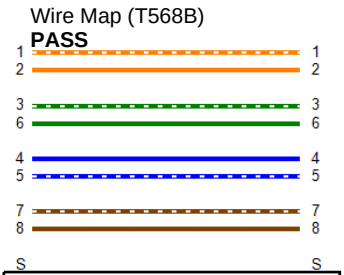
Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

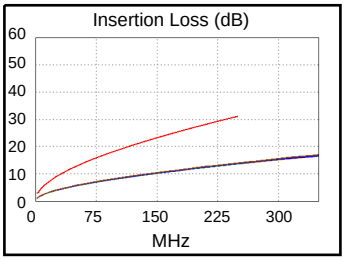
Test Summary: PASS

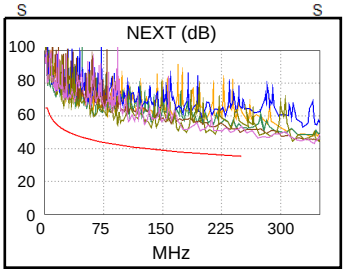
Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

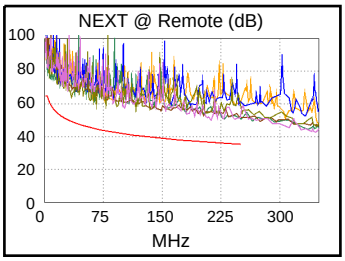
Length (ft), Limit 295	[Pair 45]	143
Prop. Delay (ns), Limit 498	[Pair 12]	223
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	6.81
Insertion Loss Margin (dB)	[Pair 78]	17.2
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

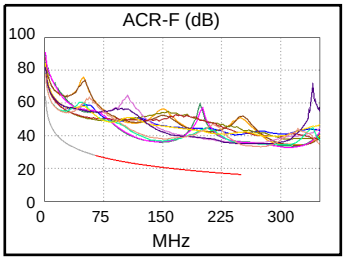


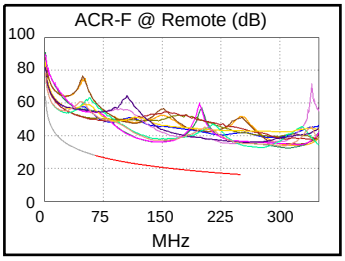


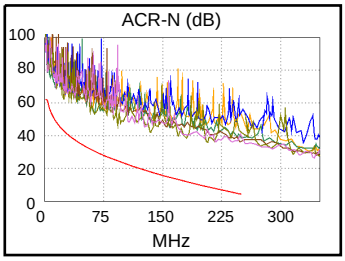


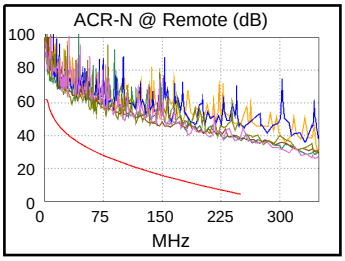


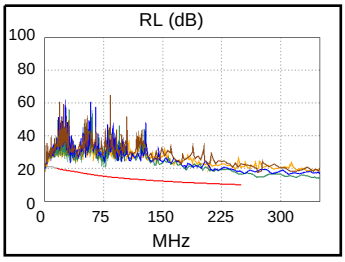


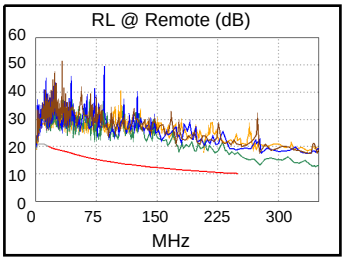












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
NEXT (dB)	11.5	13.5	11.5	13.6
Freq. (MHz)	208.0	213.0	208.0	247.5
Limit (dB)	36.6	36.5	36.6	35.4
Worst Pair	78	45	78	45
PS NEXT (dB)	12.1	13.0	12.1	13.0
Freq. (MHz)	217.5	248.0	217.5	248.0
Limit (dB)	33.7	32.8	33.7	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-45	45-78
ACR-F (dB)	14.7	14.8	18.4	18.3
Freq. (MHz)	138.5	138.5	250.0	250.0
Limit (dB)	21.4	21.4	16.2	16.2
Worst Pair	78	78	78	78
PS ACR-F (dB)	14.8	14.8	18.6	18.3
Freq. (MHz)	1.4	1.1	250.0	249.5
Limit (dB)	58.4	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-78	45-78
ACR-N (dB)	17.3	17.1	26.8	30.6
Freq. (MHz)	3.9	3.9	208.0	247.5
Limit (dB)	60.8	60.8	8.7	4.5
Worst Pair	45	45	78	45
PS ACR-N (dB)	17.2	17.2	27.9	30.3
Freq. (MHz)	3.8	3.9	217.5	248.0
Limit (dB)	58.6	58.5	5.0	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.1	6.3	6.1	6.5
Freq. (MHz)	249.0	222.5	249.0	246.5
Limit (dB)	10.0	10.5	10.0	10.1

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 031

Date / Time: 05/03/2019 08:40:22 PM
Headroom 9.6 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	142
Prop. Delay (ns), Limit 498	[Pair 12]	223
Delay Skew (ns), Limit 44	[Pair 12]	13
Resistance (ohms)	[Pair 12]	6.74
Insertion Loss Margin (dB)	[Pair 78]	17.2
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	45-78
NEXT (dB)	9.6	10.4	10.9	12.2
Freq. (MHz)	7.1	7.0	248.5	245.5
Limit (dB)	60.2	60.3	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	10.6	11.4	10.6	11.4
Freq. (MHz)	249.0	245.5	249.0	245.5
Limit (dB)	32.7	32.8	32.7	32.8

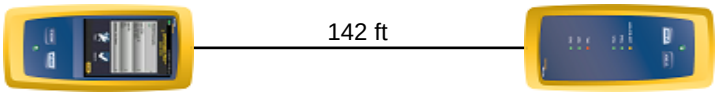
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	78-45
ACR-F (dB)	15.1	15.1	15.6	16.0
Freq. (MHz)	5.0	5.0	223.5	223.5
Limit (dB)	50.2	50.2	17.2	17.2
Worst Pair	36	45	45	45
PS ACR-F (dB)	14.7	14.8	17.7	17.4
Freq. (MHz)	1.0	1.4	233.0	233.0
Limit (dB)	61.2	58.4	13.8	13.8

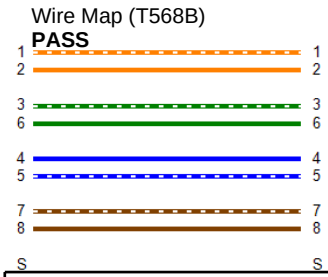
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	45-78
ACR-N (dB)	12.3	13.1	28.4	29.3
Freq. (MHz)	7.3	7.0	248.5	245.5
Limit (dB)	55.3	55.6	4.4	4.7
Worst Pair	78	78	45	45
PS ACR-N (dB)	14.4	15.1	28.1	28.7
Freq. (MHz)	7.3	7.0	249.0	245.5
Limit (dB)	53.0	53.3	1.7	2.1

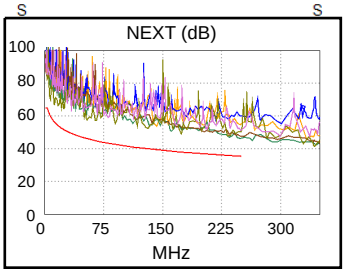
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.2	6.6	6.2	6.6
Freq. (MHz)	249.0	237.5	249.0	237.5
Limit (dB)	10.0	10.2	10.0	10.2

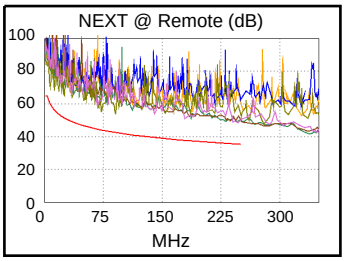
Compliant Network Standards:

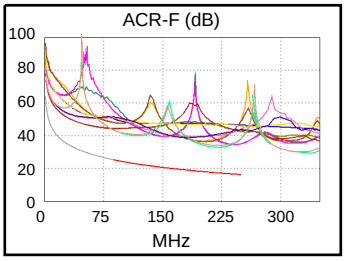
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

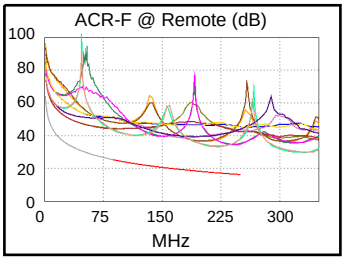


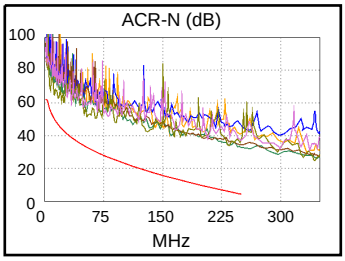


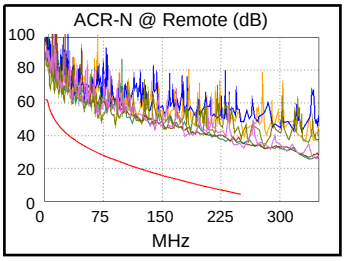


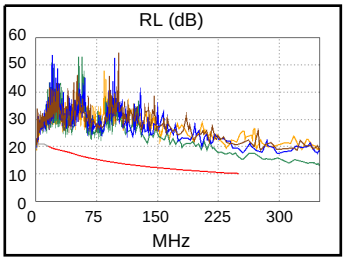


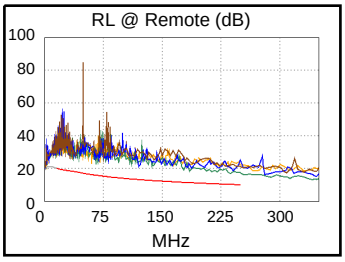












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 032

Date / Time: 05/03/2019 08:40:53 PM
Headroom 8.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	133
Prop. Delay (ns), Limit 498	[Pair 12]	207
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	6.34
Insertion Loss Margin (dB)	[Pair 36]	18.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
NEXT (dB)	10.3	8.2	12.6	8.2
Freq. (MHz)	145.0	250.0	233.5	250.0
Limit (dB)	39.2	35.3	35.8	35.3
Worst Pair	36	45	45	45
PS NEXT (dB)	11.8	9.1	12.9	9.1
Freq. (MHz)	174.5	249.5	238.5	249.5
Limit (dB)	35.3	32.7	33.0	32.7

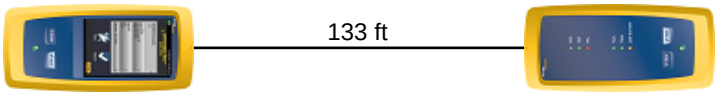
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	78-45
ACR-F (dB)	11.4	11.4	18.3	18.3
Freq. (MHz)	103.5	106.0	250.0	250.0
Limit (dB)	23.9	23.7	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.4	13.3	19.9	19.4
Freq. (MHz)	1.3	1.6	250.0	250.0
Limit (dB)	59.3	57.0	13.2	13.2

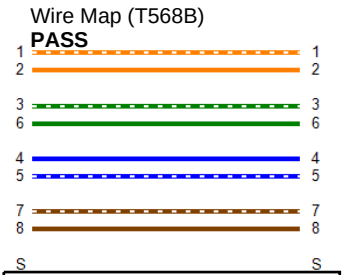
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	45-78
ACR-N (dB)	16.5	17.5	30.2	26.5
Freq. (MHz)	16.9	22.1	233.5	250.0
Limit (dB)	47.0	44.0	5.9	4.2
Worst Pair	36	36	45	45
PS ACR-N (dB)	17.7	16.9	30.7	27.3
Freq. (MHz)	16.8	8.6	238.5	249.5
Limit (dB)	44.7	51.4	2.8	1.7

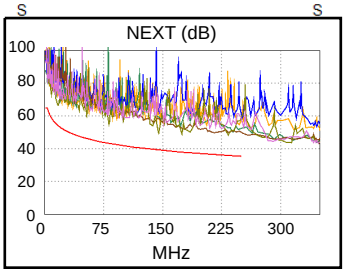
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.6	6.1	5.6	6.1
Freq. (MHz)	247.0	234.5	247.0	234.5
Limit (dB)	10.1	10.3	10.1	10.3

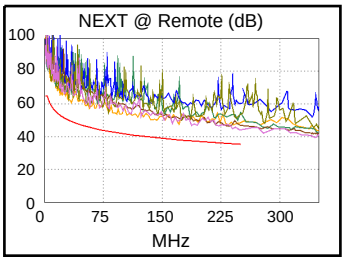
Compliant Network Standards:

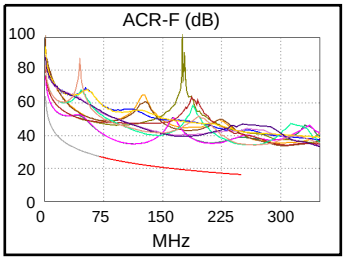
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

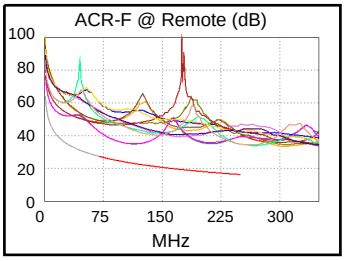


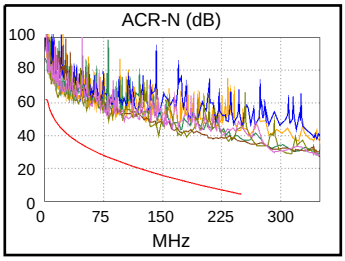


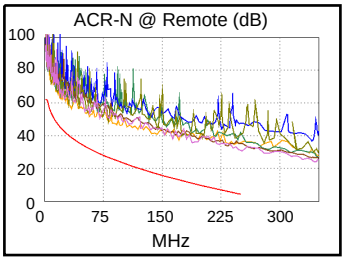


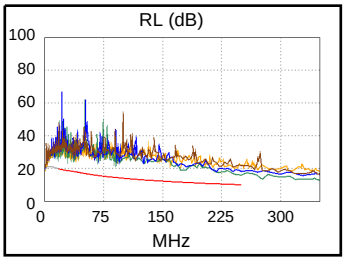


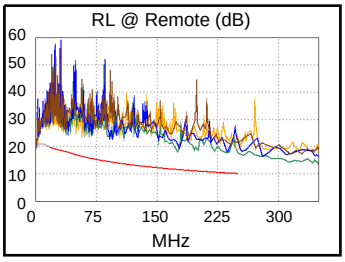












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 033

Date / Time: 05/03/2019 08:41:27 PM
Headroom 10.2 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	134
Prop. Delay (ns), Limit 498	[Pair 12]	209
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	6.34
Insertion Loss Margin (dB)	[Pair 78]	18.1
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	45-78	36-45
NEXT (dB)	10.8	10.2	12.2	10.2
Freq. (MHz)	89.0	250.0	248.5	250.0
Limit (dB)	42.7	35.3	35.4	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	10.7	9.8	10.7	9.8
Freq. (MHz)	250.0	234.5	250.0	234.5
Limit (dB)	32.7	33.2	32.7	33.2

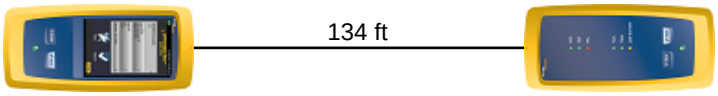
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	45-78	78-45
ACR-F (dB)	16.1	16.0	19.6	19.9
Freq. (MHz)	85.5	85.5	250.0	250.0
Limit (dB)	25.6	25.6	16.2	16.2
Worst Pair	45	12	36	36
PS ACR-F (dB)	17.7	17.7	18.9	19.5
Freq. (MHz)	1.0	88.5	206.5	226.5
Limit (dB)	61.2	22.3	14.9	14.1

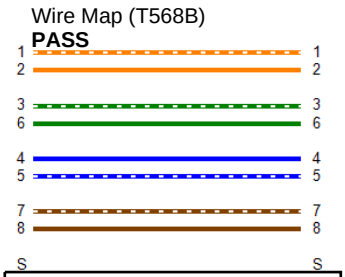
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	45-78	36-45
ACR-N (dB)	16.6	17.4	30.3	28.6
Freq. (MHz)	15.9	7.6	248.5	250.0
Limit (dB)	47.6	54.8	4.4	4.2
Worst Pair	12	36	45	45
PS ACR-N (dB)	17.3	17.9	29.1	28.6
Freq. (MHz)	5.4	7.6	250.0	247.5
Limit (dB)	55.7	52.5	1.6	1.9

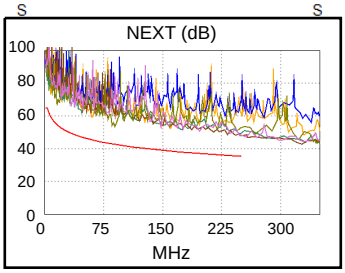
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	6.0	6.5	6.0
Freq. (MHz)	29.4	236.0	249.0	236.0
Limit (dB)	18.7	10.3	10.0	10.3

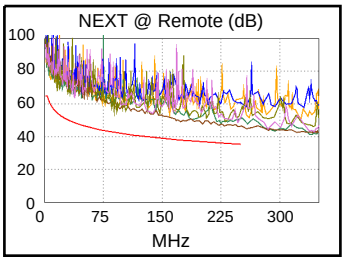
Compliant Network Standards:

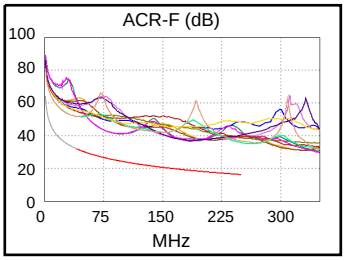
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

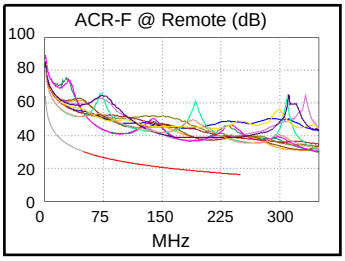


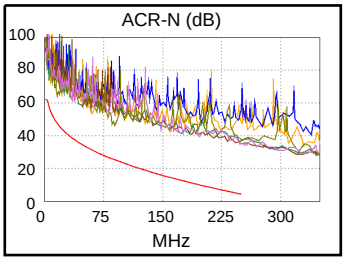


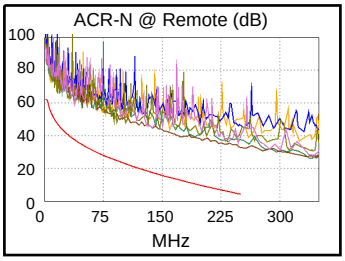


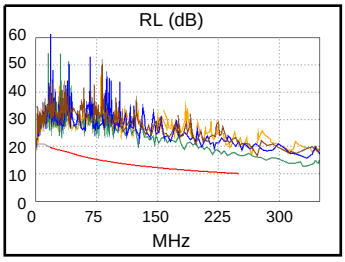


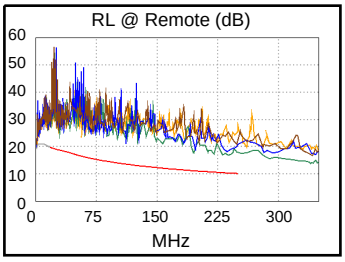












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 034

Date / Time: 05/04/2019 03:27:37 PM
Headroom 5.7 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	155
Prop. Delay (ns), Limit 498	[Pair 45]	243
Delay Skew (ns), Limit 44	[Pair 45]	15
Resistance (ohms)	[Pair 45]	7.91
Insertion Loss Margin (dB)	[Pair 36]	14.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
NEXT (dB)	6.7	5.7	6.7	5.7
Freq. (MHz)	213.0	249.5	213.0	249.5
Limit (dB)	36.5	35.4	36.5	35.4
Worst Pair	45	78	45	45
PS NEXT (dB)	7.6	7.8	7.6	7.9
Freq. (MHz)	213.0	134.0	213.0	249.5
Limit (dB)	33.9	37.2	33.9	32.7

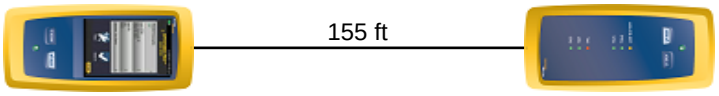
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	8.1	8.1	15.1	14.8
Freq. (MHz)	2.4	2.4	250.0	250.0
Limit (dB)	56.7	56.7	16.2	16.2
Worst Pair	36	36	45	36
PS ACR-F (dB)	9.2	9.3	17.3	17.1
Freq. (MHz)	1.3	1.5	250.0	250.0
Limit (dB)	59.3	57.7	13.2	13.2

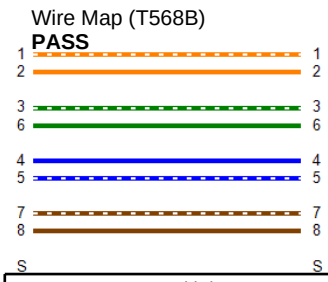
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	45-78	36-45
ACR-N (dB)	12.2	11.3	20.4	20.7
Freq. (MHz)	8.1	20.4	213.0	249.5
Limit (dB)	54.3	45.0	8.1	4.3
Worst Pair	36	36	45	36
PS ACR-N (dB)	12.8	11.6	24.3	22.8
Freq. (MHz)	8.0	20.4	241.0	249.5
Limit (dB)	52.1	42.6	2.5	1.7

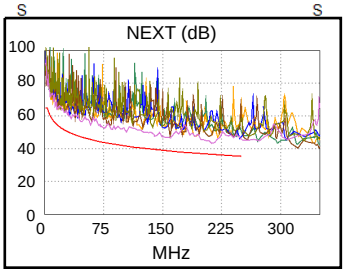
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	12
RL (dB)	5.4	5.5	5.6	6.8
Freq. (MHz)	151.0	37.8	199.5	221.5
Limit (dB)	12.2	18.1	11.0	10.5

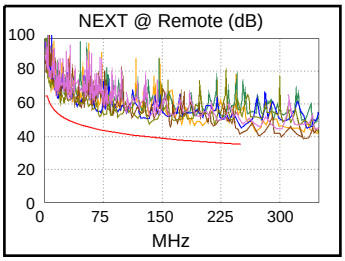
Compliant Network Standards:

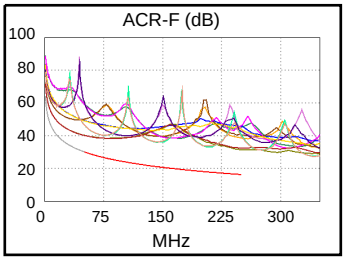
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

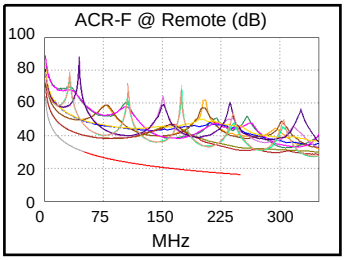


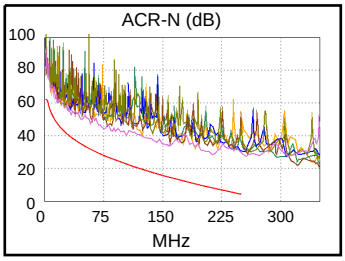


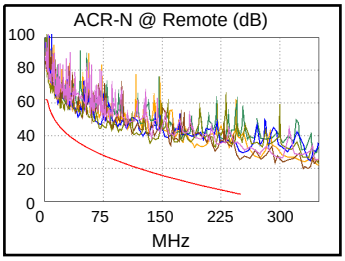


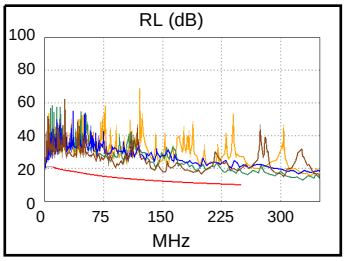


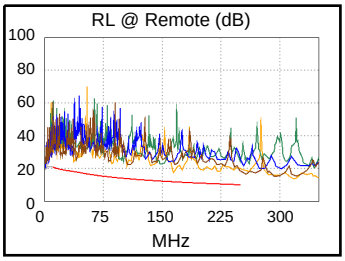












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 035

Date / Time: 05/04/2019 03:28:11 PM
Headroom 6.9 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	154
Prop. Delay (ns), Limit 498	[Pair 45]	242
Delay Skew (ns), Limit 44	[Pair 45]	15
Resistance (ohms)	[Pair 45]	7.91
Insertion Loss Margin (dB)	[Pair 36]	14.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	36-78
NEXT (dB)	6.9	7.0	6.9	7.7
Freq. (MHz)	229.0	124.5	229.0	239.0
Limit (dB)	36.0	40.3	36.0	35.7
Worst Pair	36	45	36	36
PS NEXT (dB)	9.1	7.7	9.1	7.9
Freq. (MHz)	229.0	209.5	229.0	238.5
Limit (dB)	33.3	34.0	33.3	33.0

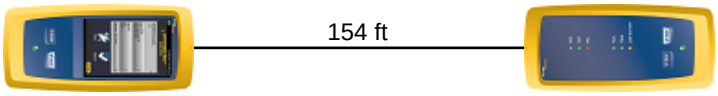
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	11.0	10.8	11.0	10.8
Freq. (MHz)	248.5	248.5	248.5	248.5
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	45	45	45	36
PS ACR-F (dB)	12.7	12.7	13.6	13.3
Freq. (MHz)	1.4	1.3	248.5	248.5
Limit (dB)	58.4	59.3	13.3	13.3

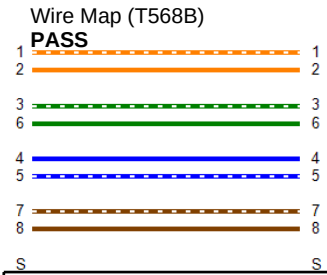
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-45	36-78
ACR-N (dB)	13.7	12.5	21.3	22.2
Freq. (MHz)	29.3	17.5	229.0	239.0
Limit (dB)	40.8	46.6	6.4	5.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.9	13.6	24.9	22.3
Freq. (MHz)	10.9	21.5	250.0	238.5
Limit (dB)	49.1	42.0	1.6	2.8

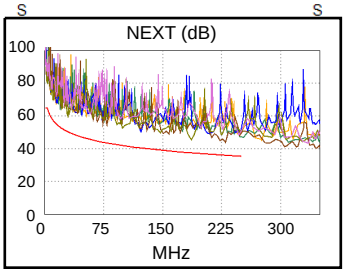
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	36	12
RL (dB)	5.9	5.1	6.0	5.6
Freq. (MHz)	71.3	68.0	249.0	249.0
Limit (dB)	15.5	15.7	10.0	10.0

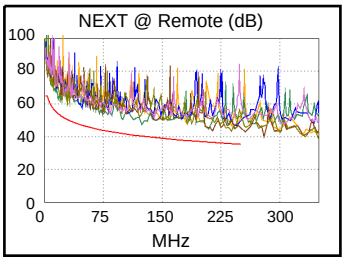
Compliant Network Standards:

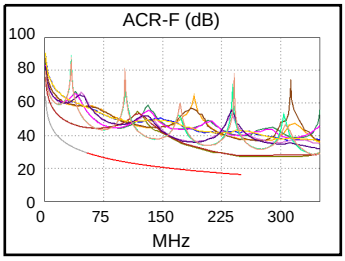
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

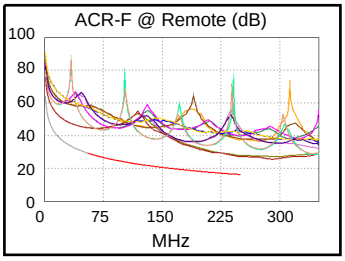


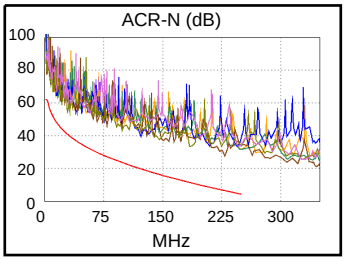


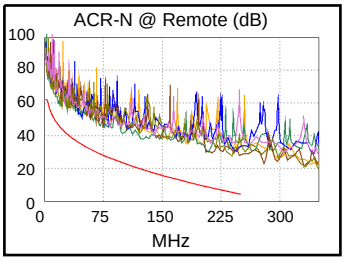


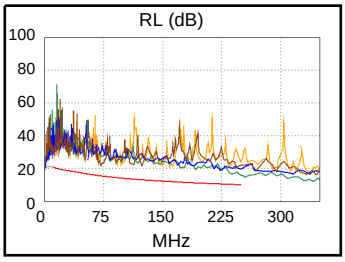


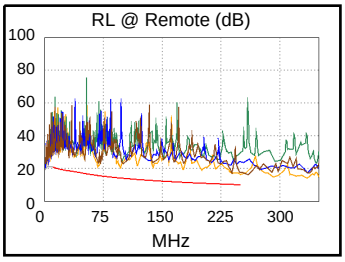












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 036

Date / Time: 05/23/2019 09:09:19 PM
Headroom 9.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	159
Prop. Delay (ns), Limit 498	[Pair 12]	250
Delay Skew (ns), Limit 44	[Pair 12]	15
Resistance (ohms)	[Pair 12]	7.50
Insertion Loss Margin (dB)	[Pair 36]	16.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	45-78	36-78
NEXT (dB)	11.2	9.1	11.7	9.1
Freq. (MHz)	159.0	242.5	240.0	242.5
Limit (dB)	38.6	35.6	35.6	35.6
Worst Pair	45	36	45	36
PS NEXT (dB)	11.3	10.2	11.3	10.2
Freq. (MHz)	250.0	244.5	250.0	244.5
Limit (dB)	32.7	32.9	32.7	32.9

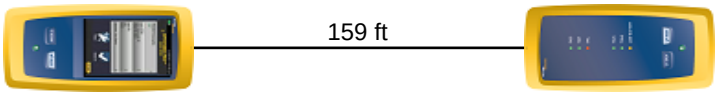
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	45-36
ACR-F (dB)	13.3	13.2	15.3	15.1
Freq. (MHz)	104.5	106.0	250.0	250.0
Limit (dB)	23.8	23.7	16.2	16.2
Worst Pair	36	36	45	45
PS ACR-F (dB)	13.7	13.8	16.1	15.2
Freq. (MHz)	1.0	1.0	250.0	222.0
Limit (dB)	61.2	61.2	13.2	14.3

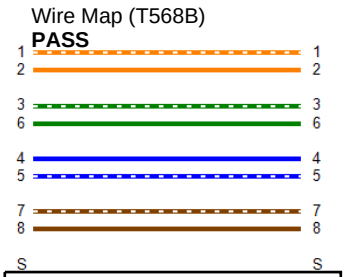
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	36-78
ACR-N (dB)	13.3	14.8	28.1	25.3
Freq. (MHz)	4.9	4.9	246.0	245.0
Limit (dB)	58.9	58.9	4.6	4.7
Worst Pair	78	36	45	36
PS ACR-N (dB)	15.1	15.9	27.5	26.2
Freq. (MHz)	4.9	5.3	250.0	245.0
Limit (dB)	56.6	55.9	1.6	2.1

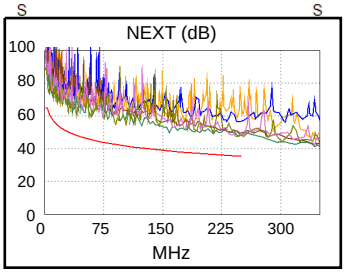
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	12
RL (dB)	5.2	6.3	5.2	7.1
Freq. (MHz)	234.5	157.0	234.5	231.0
Limit (dB)	10.3	12.0	10.3	10.4

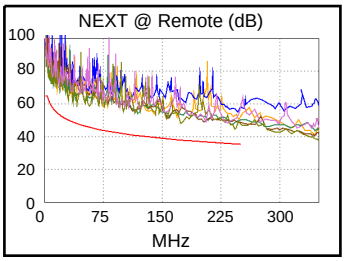
Compliant Network Standards:

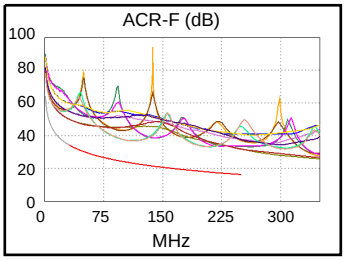
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

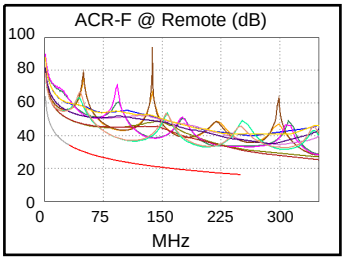


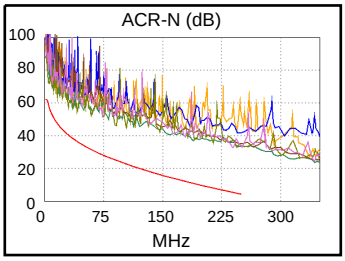


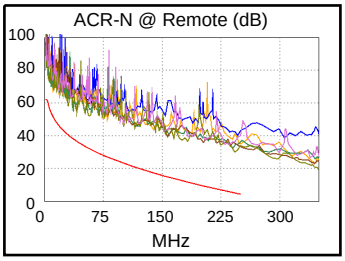


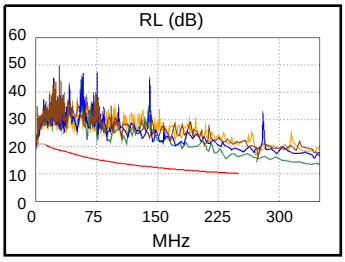


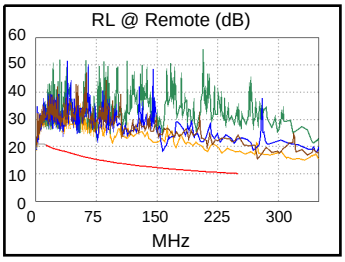












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 037

Date / Time: 05/04/2019 03:29:15 PM
Headroom 10.0 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	159
Prop. Delay (ns), Limit 498	[Pair 12]	249
Delay Skew (ns), Limit 44	[Pair 12]	14
Resistance (ohms)	[Pair 12]	7.47
Insertion Loss Margin (dB)	[Pair 36]	15.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	12-45
NEXT (dB)	10.0	10.8	10.0	11.0
Freq. (MHz)	236.5	241.5	236.5	250.0
Limit (dB)	35.7	35.6	35.7	35.3
Worst Pair	36	36	45	36
PS NEXT (dB)	10.3	10.1	10.9	10.1
Freq. (MHz)	159.0	241.5	236.5	241.5
Limit (dB)	36.0	33.0	33.1	33.0

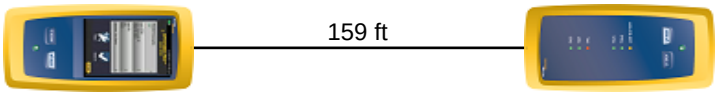
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	14.4	14.5	15.1	15.0
Freq. (MHz)	111.0	111.0	223.0	223.0
Limit (dB)	23.3	23.3	17.2	17.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	13.8	13.8	16.9	16.1
Freq. (MHz)	1.3	1.0	228.0	223.0
Limit (dB)	59.3	61.2	14.0	14.2

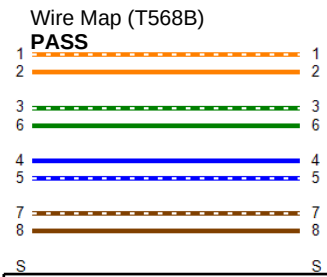
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	12-45	12-45
ACR-N (dB)	17.9	17.6	25.5	26.9
Freq. (MHz)	10.3	17.3	236.5	250.0
Limit (dB)	52.0	46.8	5.6	4.2
Worst Pair	12	45	45	36
PS ACR-N (dB)	17.2	17.7	27.4	26.5
Freq. (MHz)	10.3	17.0	248.0	249.0
Limit (dB)	49.7	44.5	1.8	1.7

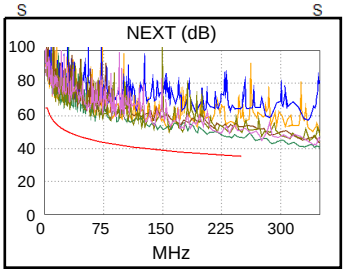
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	12
RL (dB)	5.9	6.0	6.1	6.3
Freq. (MHz)	172.5	18.3	239.5	231.0
Limit (dB)	11.6	19.7	10.2	10.4

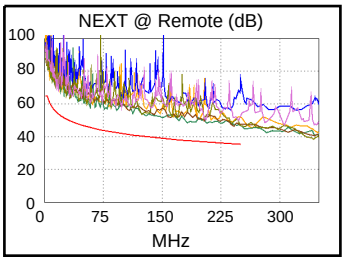
Compliant Network Standards:

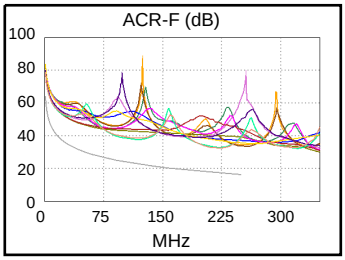
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

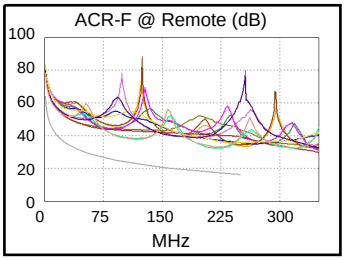


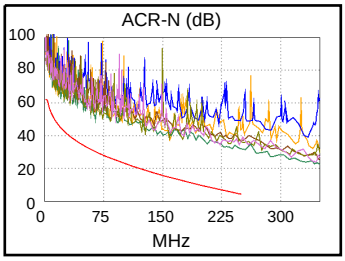


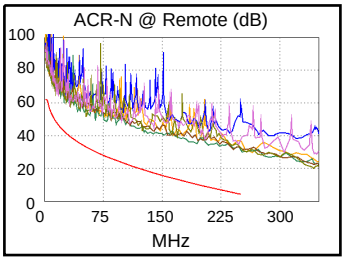


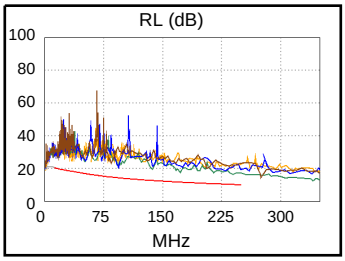


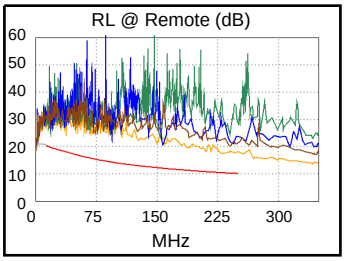












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 038

Date / Time: 05/04/2019 03:29:41 PM
Headroom 10.5 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	160
Prop. Delay (ns), Limit 498	[Pair 12]	250
Delay Skew (ns), Limit 44	[Pair 12]	14
Resistance (ohms)	[Pair 12]	7.54
Insertion Loss Margin (dB)	[Pair 78]	15.7
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	12-45
NEXT (dB)	11.2	10.5	11.7	11.2
Freq. (MHz)	91.5	78.3	212.0	246.5
Limit (dB)	42.5	43.6	36.5	35.4
Worst Pair	36	36	36	45
PS NEXT (dB)	11.6	10.9	11.6	11.0
Freq. (MHz)	212.0	238.0	212.0	246.0
Limit (dB)	33.9	33.1	33.9	32.8

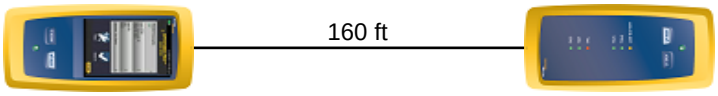
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-F (dB)	10.5	10.5	14.7	14.7
Freq. (MHz)	3.3	3.3	229.0	231.0
Limit (dB)	54.0	54.0	17.0	16.9
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.2	12.0	16.5	16.5
Freq. (MHz)	2.0	1.3	227.0	224.5
Limit (dB)	55.2	59.3	14.1	14.2

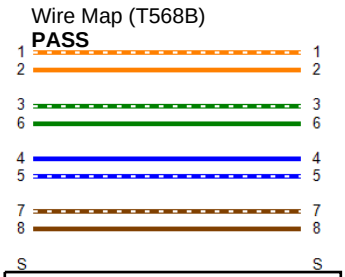
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	12-45	12-45
ACR-N (dB)	17.0	16.3	27.5	26.9
Freq. (MHz)	25.0	3.8	227.5	246.5
Limit (dB)	42.7	61.1	6.6	4.6
Worst Pair	36	36	45	36
PS ACR-N (dB)	18.0	16.2	29.1	27.0
Freq. (MHz)	24.8	3.8	241.5	249.5
Limit (dB)	40.4	58.6	2.5	1.7

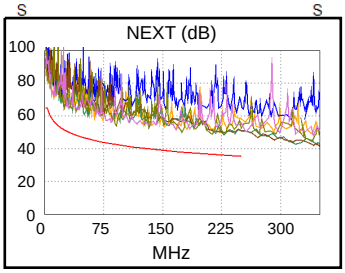
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	12
RL (dB)	6.0	6.1	6.1	6.5
Freq. (MHz)	237.0	16.0	239.0	245.0
Limit (dB)	10.3	20.0	10.2	10.1

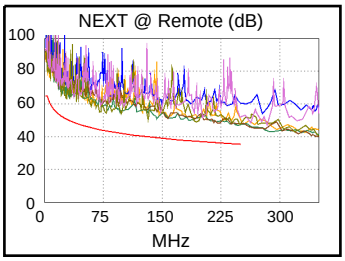
Compliant Network Standards:

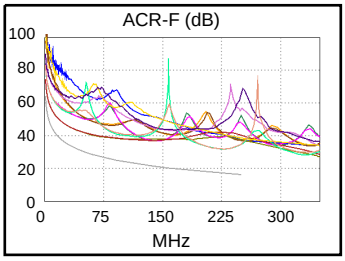
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

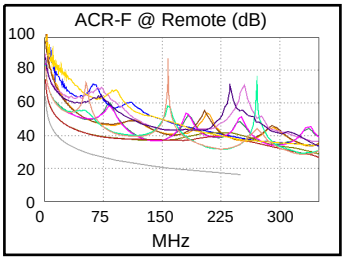


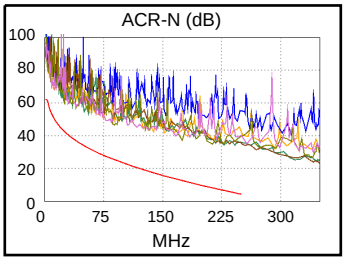


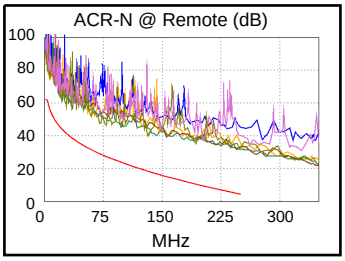


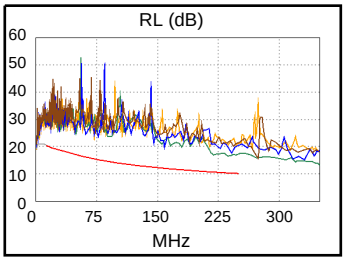


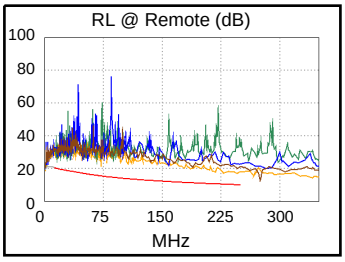












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 039

Date / Time: 05/04/2019 03:30:09 PM
Headroom 7.7 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	160
Prop. Delay (ns), Limit 498	[Pair 12]	250
Delay Skew (ns), Limit 44	[Pair 12]	14
Resistance (ohms)	[Pair 12]	7.54
Insertion Loss Margin (dB)	[Pair 78]	15.6
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	7.7	9.6	7.8	9.6
Freq. (MHz)	173.0	249.0	173.5	249.0
Limit (dB)	38.0	35.4	37.9	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	8.9	9.2	10.4	9.2
Freq. (MHz)	173.0	249.0	244.5	249.0
Limit (dB)	35.4	32.7	32.9	32.7

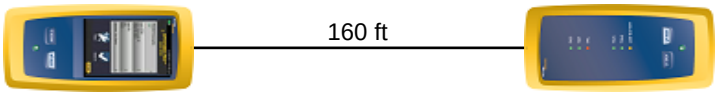
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	13.0	13.0	14.7	14.7
Freq. (MHz)	4.1	4.4	230.5	230.0
Limit (dB)	51.9	51.4	16.9	17.0
Worst Pair	45	45	78	45
PS ACR-F (dB)	12.6	12.7	15.5	15.9
Freq. (MHz)	1.0	1.1	231.0	235.5
Limit (dB)	61.2	60.2	13.9	13.7

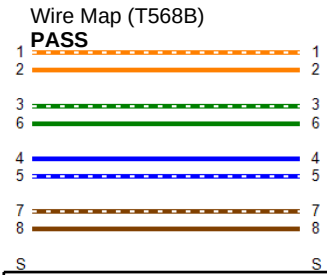
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	13.3	14.3	25.8	25.3
Freq. (MHz)	31.1	13.3	244.5	249.0
Limit (dB)	40.1	49.5	4.8	4.3
Worst Pair	78	78	36	36
PS ACR-N (dB)	15.5	16.6	26.0	24.9
Freq. (MHz)	31.3	13.3	244.5	249.0
Limit (dB)	37.6	47.1	2.2	1.7

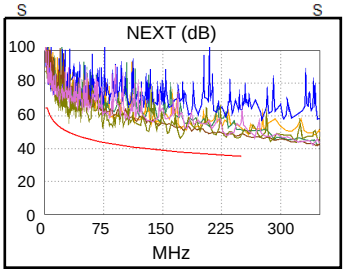
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.0	6.2	5.2	6.3
Freq. (MHz)	178.5	218.5	234.5	246.5
Limit (dB)	11.5	10.6	10.3	10.1

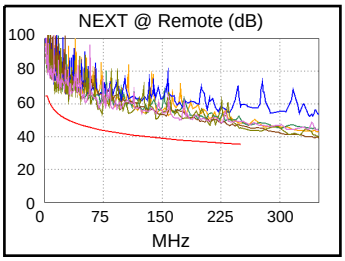
Compliant Network Standards:

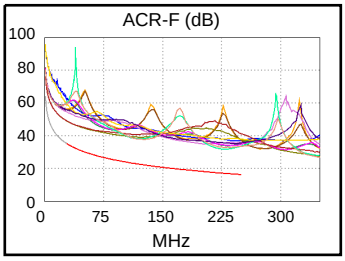
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

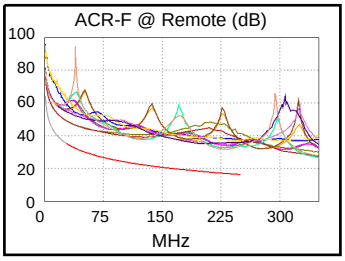


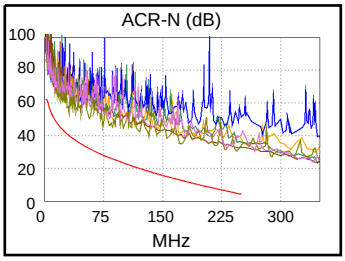


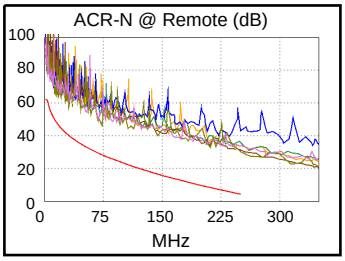


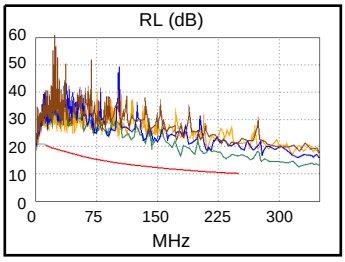


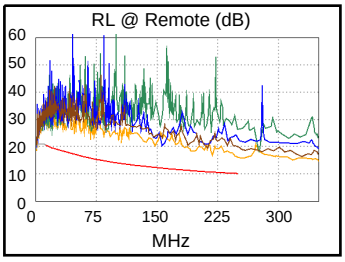












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 040

Date / Time: 05/03/2019 08:42:16 PM
Headroom 10.9 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	151
Prop. Delay (ns), Limit 498	[Pair 12]	235
Delay Skew (ns), Limit 44	[Pair 12]	13
Resistance (ohms)	[Pair 12]	7.14
Insertion Loss Margin (dB)	[Pair 78]	16.5
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	12-45
NEXT (dB)	10.9	12.1	10.9	13.3
Freq. (MHz)	220.0	50.0	220.0	243.0
Limit (dB)	36.2	46.7	36.2	35.5
Worst Pair	45	36	45	12
PS NEXT (dB)	11.3	13.1	11.3	13.5
Freq. (MHz)	218.0	144.0	218.0	243.0
Limit (dB)	33.7	36.7	33.7	32.9

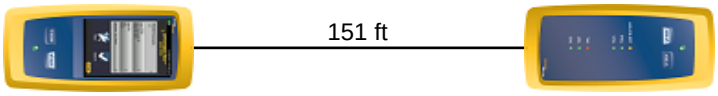
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-45	45-12
ACR-F (dB)	14.8	14.8	15.4	15.6
Freq. (MHz)	5.9	5.9	250.0	250.0
Limit (dB)	48.8	48.8	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.8	13.6	15.4	16.0
Freq. (MHz)	1.4	1.3	250.0	250.0
Limit (dB)	58.4	59.3	13.2	13.2

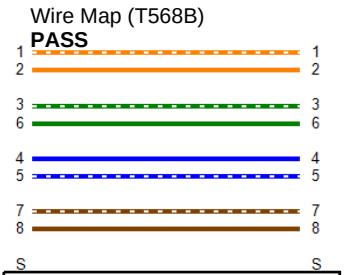
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	12-45
ACR-N (dB)	19.9	18.4	29.3	29.7
Freq. (MHz)	16.5	16.3	249.5	243.0
Limit (dB)	47.2	47.4	4.3	4.9
Worst Pair	45	36	45	45
PS ACR-N (dB)	19.6	18.8	29.0	30.0
Freq. (MHz)	5.3	4.5	249.5	243.5
Limit (dB)	55.9	57.3	1.7	2.3

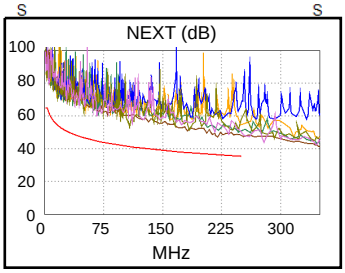
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.4	6.5	5.4	7.3
Freq. (MHz)	247.5	179.5	247.5	227.0
Limit (dB)	10.1	11.5	10.1	10.4

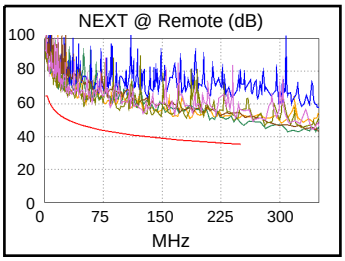
Compliant Network Standards:

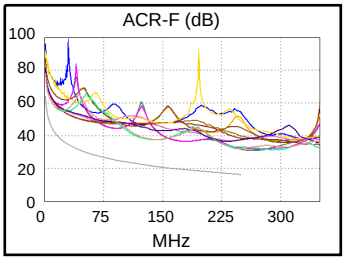
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

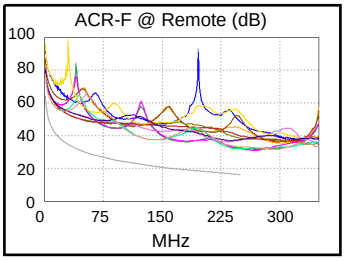


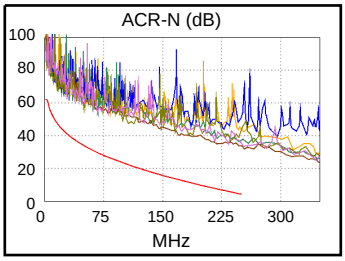


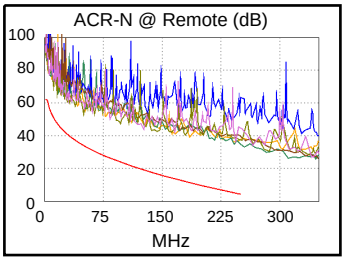


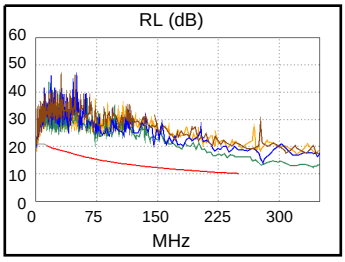


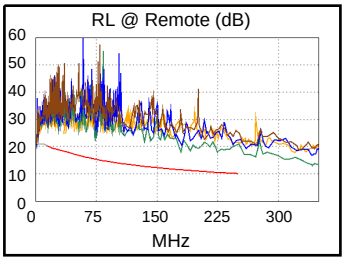












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 041

Date / Time: 05/03/2019 08:42:39 PM
Headroom 10.4 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	152
Prop. Delay (ns), Limit 498	[Pair 12]	237
Delay Skew (ns), Limit 44	[Pair 12]	13
Resistance (ohms)	[Pair 12]	7.21
Insertion Loss Margin (dB)	[Pair 36]	16.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	36-78
NEXT (dB)	11.5	10.4	12.6	10.4
Freq. (MHz)	110.0	183.0	244.0	183.0
Limit (dB)	41.2	37.6	35.5	37.6
Worst Pair	45	45	45	45
PS NEXT (dB)	12.5	11.8	12.5	11.8
Freq. (MHz)	244.0	250.0	244.0	250.0
Limit (dB)	32.9	32.7	32.9	32.7

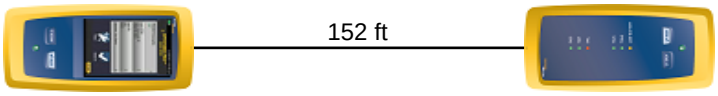
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	14.3	14.2	14.3	14.2
Freq. (MHz)	243.5	241.5	243.5	241.5
Limit (dB)	16.5	16.5	16.5	16.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.7	14.7	14.8	14.8
Freq. (MHz)	234.5	235.0	237.0	240.0
Limit (dB)	13.8	13.8	13.7	13.6

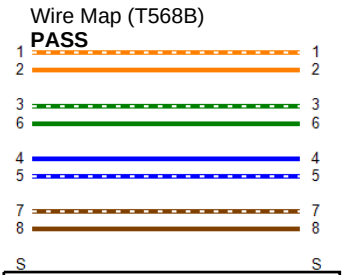
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-78
ACR-N (dB)	17.8	17.7	29.0	29.2
Freq. (MHz)	6.8	6.9	244.0	242.0
Limit (dB)	56.0	55.8	4.8	5.0
Worst Pair	45	78	45	45
PS ACR-N (dB)	18.6	18.1	28.9	28.4
Freq. (MHz)	6.0	9.9	244.0	250.0
Limit (dB)	54.7	50.1	2.2	1.6

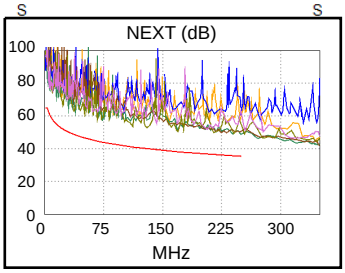
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.2	6.2	5.2	6.9
Freq. (MHz)	220.0	57.3	220.0	249.5
Limit (dB)	10.6	16.4	10.6	10.0

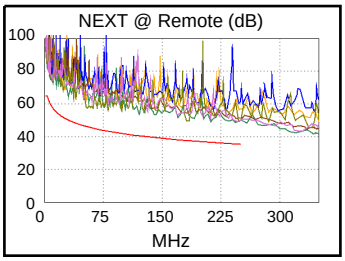
Compliant Network Standards:

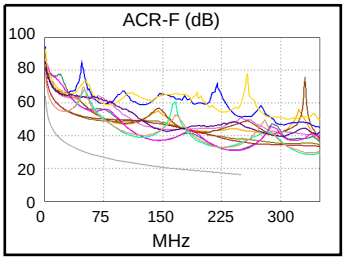
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

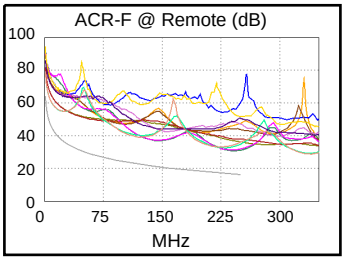


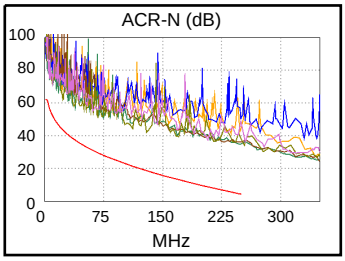


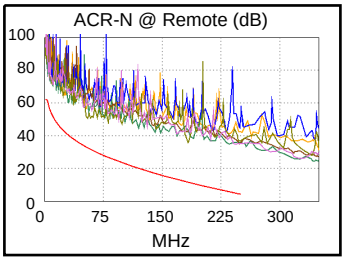


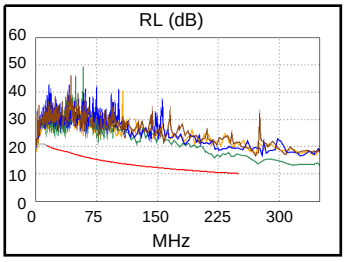


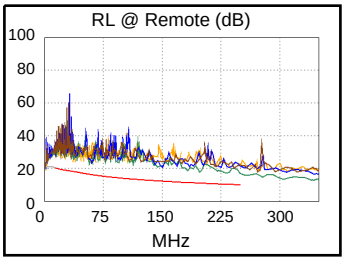












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 042

Date / Time: 05/03/2019 08:43:12 PM
Headroom 8.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	130
Prop. Delay (ns), Limit 498	[Pair 12]	203
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	6.16
Insertion Loss Margin (dB)	[Pair 36]	18.5
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	12-45
NEXT (dB)	8.0	8.7	8.0	10.7
Freq. (MHz)	246.0	140.0	246.0	246.5
Limit (dB)	35.5	39.5	35.5	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	9.1	10.4	9.1	10.4
Freq. (MHz)	246.5	246.5	246.5	246.5
Limit (dB)	32.8	32.8	32.8	32.8

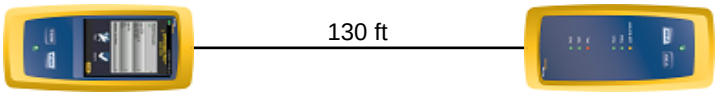
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	16.4	16.4	19.8	20.0
Freq. (MHz)	6.0	6.8	250.0	250.0
Limit (dB)	48.6	47.6	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.7	16.5	21.2	20.3
Freq. (MHz)	1.3	1.4	250.0	250.0
Limit (dB)	59.3	58.4	13.2	13.2

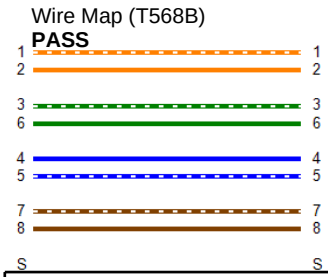
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	12-45
ACR-N (dB)	16.8	17.0	26.4	29.2
Freq. (MHz)	20.0	4.0	246.0	246.5
Limit (dB)	45.2	60.6	4.6	4.6
Worst Pair	36	78	45	45
PS ACR-N (dB)	17.2	16.8	27.6	28.9
Freq. (MHz)	3.1	4.0	246.5	246.5
Limit (dB)	58.9	58.3	2.0	2.0

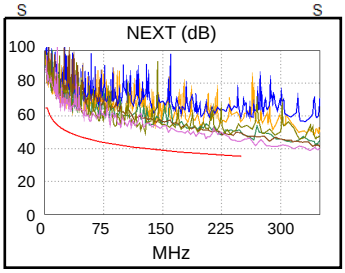
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.0	6.6	6.9	8.0
Freq. (MHz)	22.6	22.8	237.5	250.0
Limit (dB)	19.2	19.2	10.2	10.0

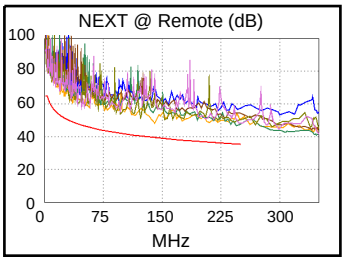
Compliant Network Standards:

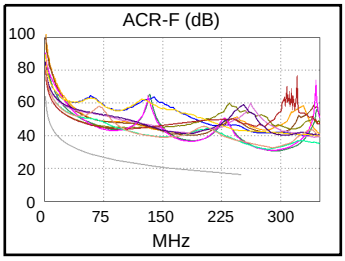
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

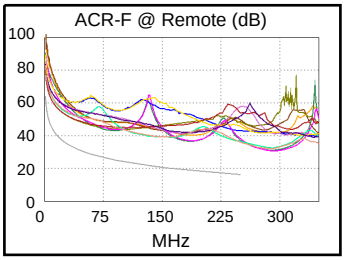


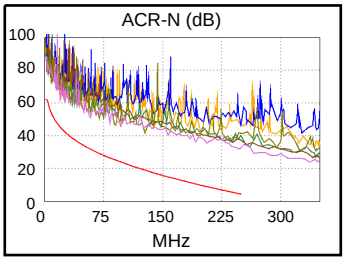


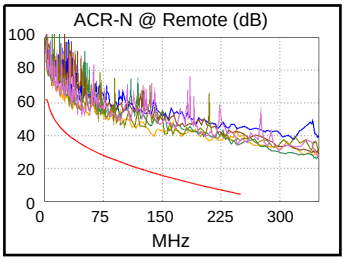


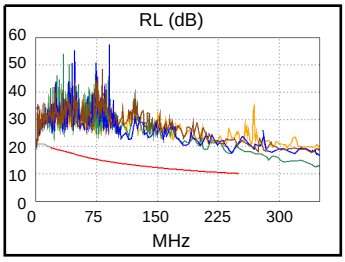


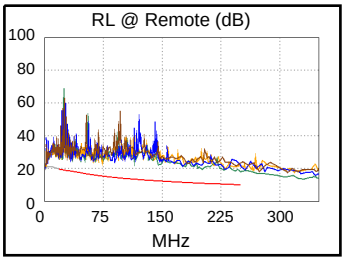












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 043

Date / Time: 05/03/2019 08:43:30 PM
Headroom 7.0 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	131
Prop. Delay (ns), Limit 498	[Pair 12]	204
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	6.16
Insertion Loss Margin (dB)	[Pair 78]	18.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-45
NEXT (dB)	12.1	7.0	12.2	7.0
Freq. (MHz)	13.1	232.5	248.0	232.5
Limit (dB)	56.0	35.9	35.4	35.9
Worst Pair	45	45	45	45
PS NEXT (dB)	11.9	7.7	11.9	7.7
Freq. (MHz)	248.0	237.5	248.0	237.5
Limit (dB)	32.8	33.1	32.8	33.1

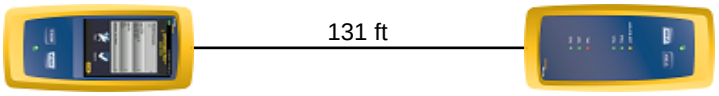
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	15.1	15.1	22.1	22.3
Freq. (MHz)	5.5	6.6	250.0	250.0
Limit (dB)	49.4	47.8	16.2	16.2
Worst Pair	36	36	45	45
PS ACR-F (dB)	15.2	15.6	22.6	21.5
Freq. (MHz)	1.0	1.6	250.0	250.0
Limit (dB)	61.2	57.0	13.2	13.2

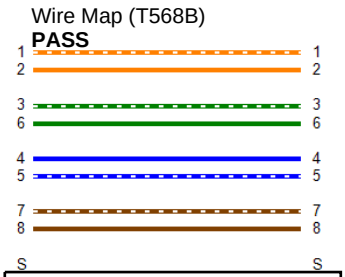
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-45
ACR-N (dB)	15.9	14.3	30.8	26.2
Freq. (MHz)	13.0	13.1	248.0	248.0
Limit (dB)	49.7	49.6	4.4	4.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	17.0	15.8	30.5	26.7
Freq. (MHz)	13.1	13.1	248.0	248.0
Limit (dB)	47.2	47.2	1.8	1.8

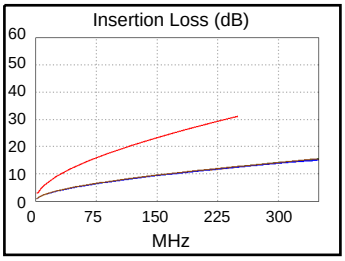
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.2	6.9	6.8	7.2
Freq. (MHz)	27.5	197.0	249.0	249.0
Limit (dB)	18.8	11.1	10.0	10.0

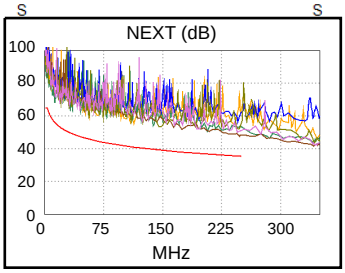
Compliant Network Standards:

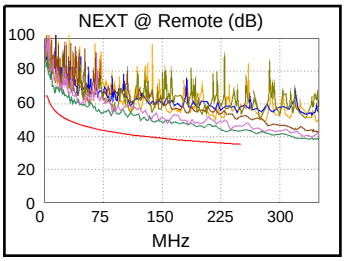
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

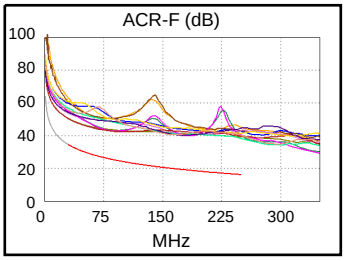


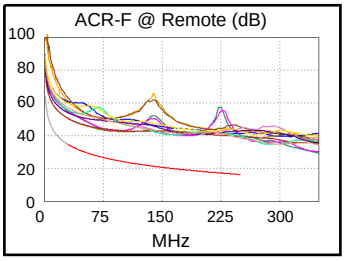


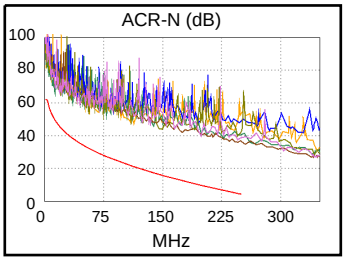


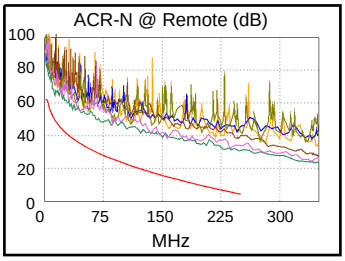


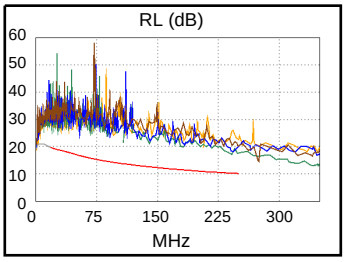


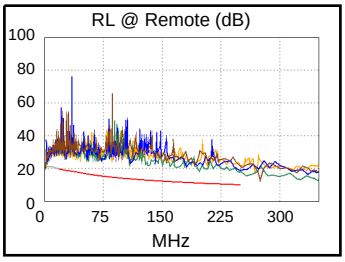












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 044

Date / Time: 05/24/2019 05:35:20 PM
Headroom 8.3 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	130
Prop. Delay (ns), Limit 498	[Pair 12]	203
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	6.20
Insertion Loss Margin (dB)	[Pair 36]	18.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
NEXT (dB)	8.3	11.3	8.3	11.3
Freq. (MHz)	243.0	247.0	243.0	247.0
Limit (dB)	35.5	35.4	35.5	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	7.7	10.5	7.8	10.7
Freq. (MHz)	241.5	207.5	247.0	233.5
Limit (dB)	33.0	34.1	32.8	33.2

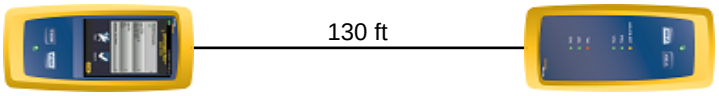
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	78-45	45-78
ACR-F (dB)	13.7	13.7	18.2	18.2
Freq. (MHz)	4.4	4.4	250.0	250.0
Limit (dB)	51.4	51.4	16.2	16.2
Worst Pair	78	78	45	78
PS ACR-F (dB)	15.1	15.1	18.2	18.2
Freq. (MHz)	1.3	1.6	250.0	250.0
Limit (dB)	59.3	57.0	13.2	13.2

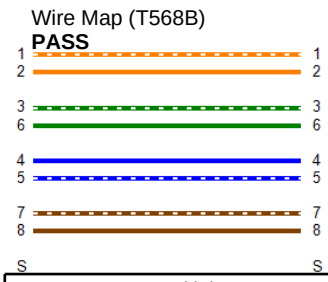
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	45-78	36-45
ACR-N (dB)	16.7	17.2	26.5	29.7
Freq. (MHz)	6.3	4.0	243.0	247.0
Limit (dB)	56.7	60.6	4.9	4.5
Worst Pair	45	36	45	45
PS ACR-N (dB)	16.8	16.8	26.2	29.7
Freq. (MHz)	6.3	4.0	247.0	246.5
Limit (dB)	54.3	58.3	1.9	2.0

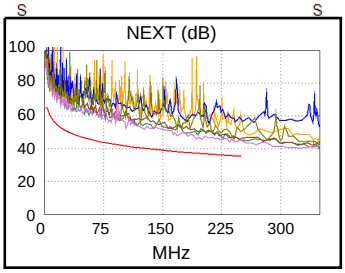
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.3	6.3	5.3	6.3
Freq. (MHz)	247.5	239.5	247.5	239.5
Limit (dB)	10.1	10.2	10.1	10.2

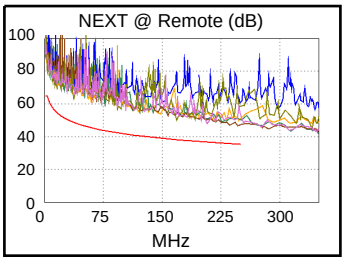
Compliant Network Standards:

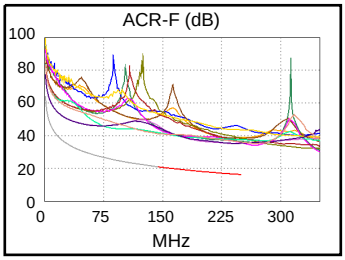
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

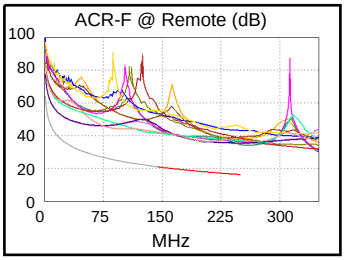


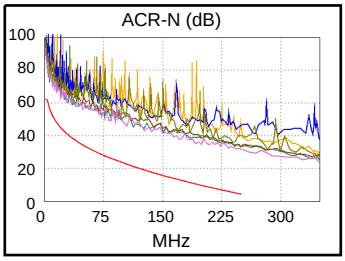


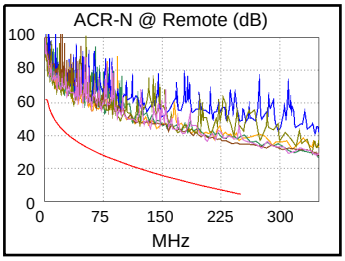


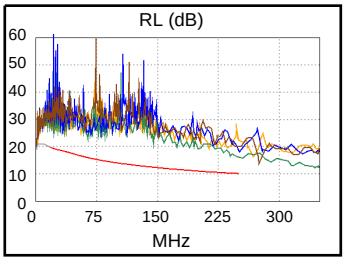


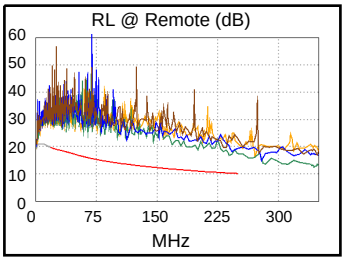












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 045

Date / Time: 05/03/2019 08:44:29 PM
Headroom 10.8 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	130
Prop. Delay (ns), Limit 498	[Pair 12]	202
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	6.13
Insertion Loss Margin (dB)	[Pair 78]	18.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-45	45-78	12-45
NEXT (dB)	12.4	10.8	12.4	10.8
Freq. (MHz)	226.5	247.0	226.5	247.0
Limit (dB)	36.0	35.4	36.0	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	12.0	11.7	12.0	12.0
Freq. (MHz)	247.5	232.0	247.5	247.5
Limit (dB)	32.8	33.2	32.8	32.8

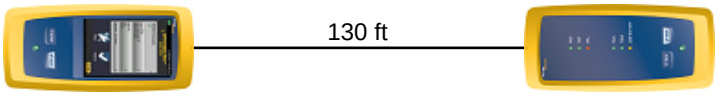
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-36	36-78
ACR-F (dB)	17.4	17.3	17.9	18.0
Freq. (MHz)	7.5	7.3	203.5	211.5
Limit (dB)	46.7	47.0	18.0	17.7
Worst Pair	45	45	78	78
PS ACR-F (dB)	15.4	15.4	18.9	19.5
Freq. (MHz)	1.0	1.6	250.0	249.5
Limit (dB)	61.2	57.0	13.2	13.2

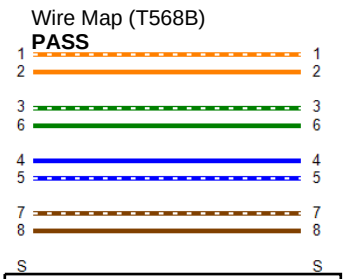
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	45-78	12-45
ACR-N (dB)	17.7	17.1	29.7	29.2
Freq. (MHz)	4.3	4.8	226.5	247.0
Limit (dB)	60.0	59.1	6.7	4.5
Worst Pair	36	36	45	45
PS ACR-N (dB)	18.9	17.7	30.4	30.4
Freq. (MHz)	4.8	4.8	247.5	247.5
Limit (dB)	56.8	56.8	1.9	1.9

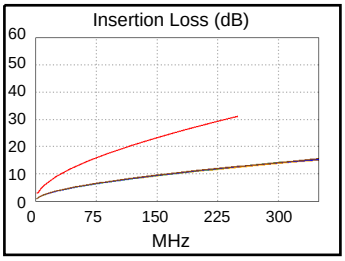
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	36
RL (dB)	6.3	6.6	6.3	7.2
Freq. (MHz)	248.0	19.0	248.0	245.0
Limit (dB)	10.1	19.6	10.1	10.1

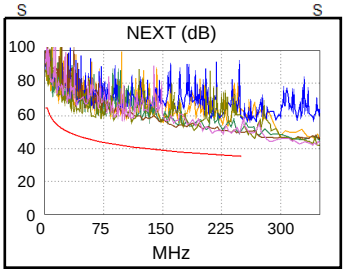
Compliant Network Standards:

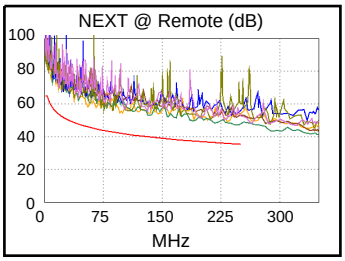
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

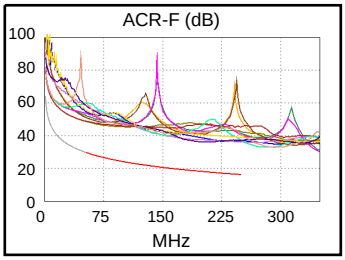


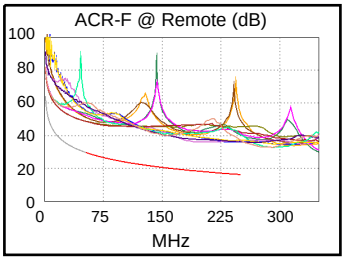


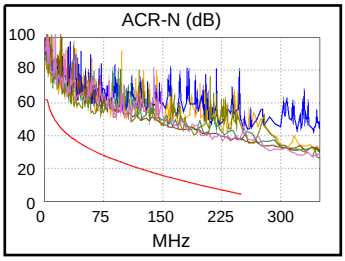


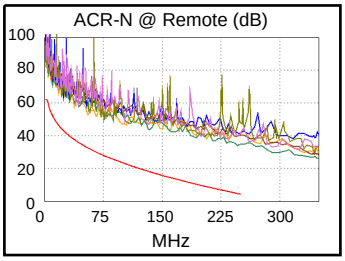


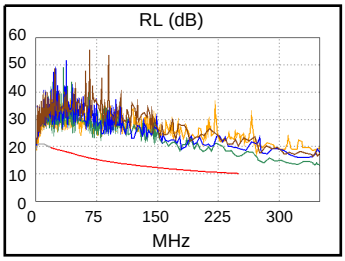


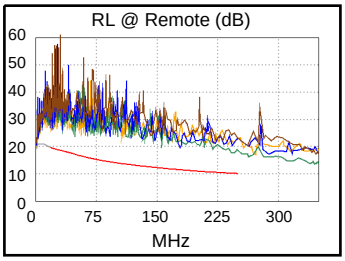












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 046

Date / Time: 05/03/2019 08:45:15 PM
Headroom 8.8 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	134
Prop. Delay (ns), Limit 498	[Pair 12]	209
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	6.34
Insertion Loss Margin (dB)	[Pair 78]	18.1
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	10.9	8.8	12.0	9.3
Freq. (MHz)	12.4	209.5	239.5	248.5
Limit (dB)	56.4	36.6	35.6	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	10.6	8.5	10.6	8.5
Freq. (MHz)	239.5	239.5	239.5	239.5
Limit (dB)	33.0	33.0	33.0	33.0

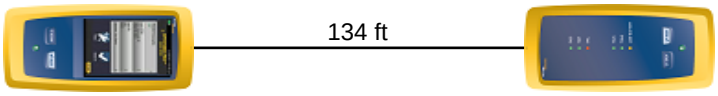
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	11.5	11.6	12.0	12.0
Freq. (MHz)	152.0	155.5	168.0	168.0
Limit (dB)	20.6	20.4	19.7	19.7
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.1	14.0	14.6	14.2
Freq. (MHz)	152.0	155.0	168.0	163.5
Limit (dB)	17.6	17.4	16.7	16.9

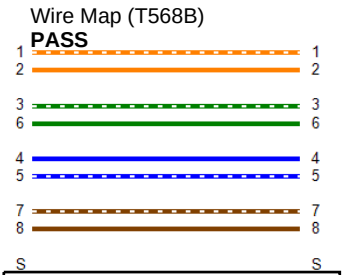
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	14.6	14.4	29.9	27.5
Freq. (MHz)	12.4	4.8	239.5	248.5
Limit (dB)	50.2	59.1	5.3	4.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.7	15.7	28.5	27.2
Freq. (MHz)	4.5	4.8	239.5	248.5
Limit (dB)	57.3	56.8	2.7	1.8

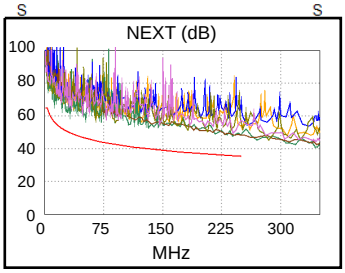
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.4	6.9	4.4	7.3
Freq. (MHz)	243.0	32.0	243.0	240.0
Limit (dB)	10.1	18.5	10.1	10.2

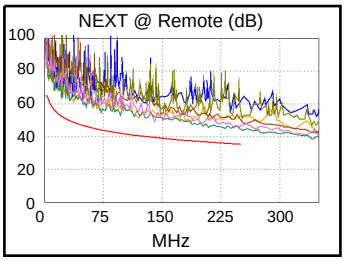
Compliant Network Standards:

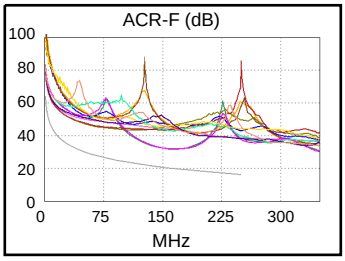
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

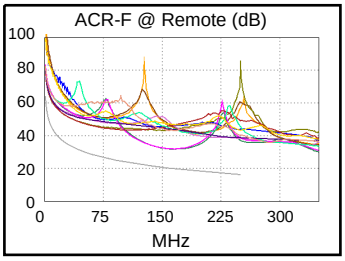


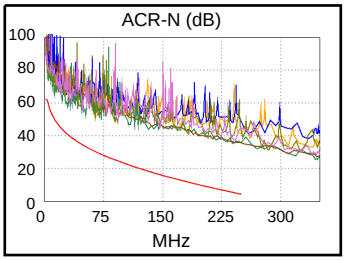


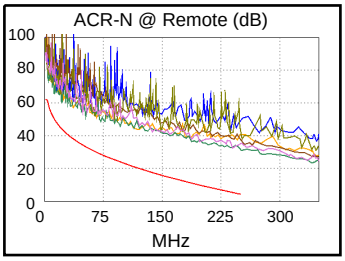


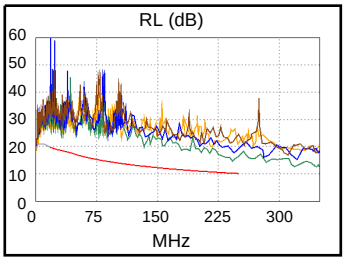


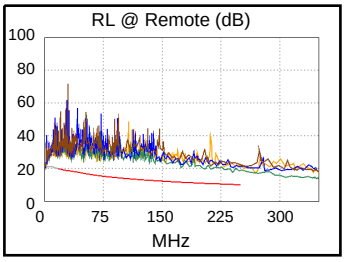












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 047

Date / Time: 05/03/2019 08:45:40 PM
Headroom 9.2 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	134
Prop. Delay (ns), Limit 498	[Pair 12]	210
Delay Skew (ns), Limit 44	[Pair 12]	13
Resistance (ohms)	[Pair 12]	6.38
Insertion Loss Margin (dB)	[Pair 78]	18.1
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	9.2	10.2	9.8	10.2
Freq. (MHz)	165.5	216.5	235.5	216.5
Limit (dB)	38.3	36.4	35.8	36.4
Worst Pair	45	45	45	45
PS NEXT (dB)	9.8	11.6	9.8	11.6
Freq. (MHz)	250.0	216.5	250.0	216.5
Limit (dB)	32.7	33.7	32.7	33.7

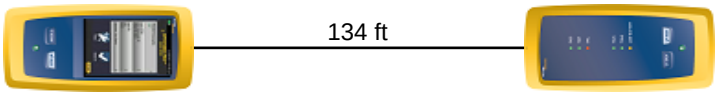
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	12-45	45-12
ACR-F (dB)	14.8	14.8	14.9	14.8
Freq. (MHz)	249.0	250.0	250.0	250.0
Limit (dB)	16.3	16.2	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.6	14.6	16.6	16.9
Freq. (MHz)	1.0	1.1	249.0	249.0
Limit (dB)	61.2	60.2	13.3	13.3

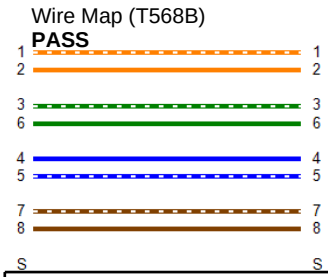
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	18.0	18.3	27.4	30.6
Freq. (MHz)	2.9	8.3	235.5	250.0
Limit (dB)	62.0	54.1	5.7	4.2
Worst Pair	36	78	45	45
PS ACR-N (dB)	19.0	19.5	28.2	29.7
Freq. (MHz)	16.3	8.3	250.0	229.0
Limit (dB)	45.0	51.8	1.6	3.8

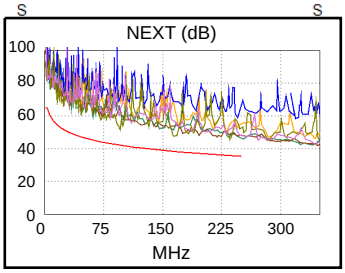
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.0	6.3	5.3	7.7
Freq. (MHz)	37.0	19.3	247.0	242.0
Limit (dB)	18.2	19.6	10.1	10.2

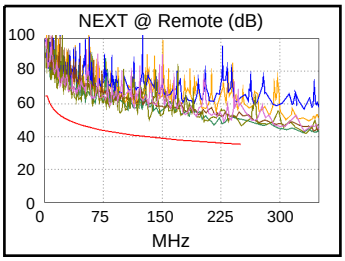
Compliant Network Standards:

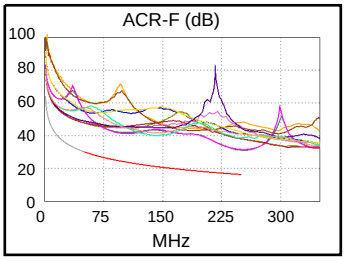
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

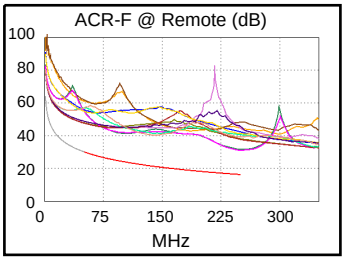


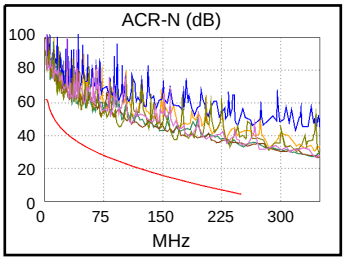


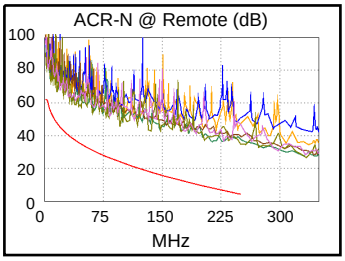


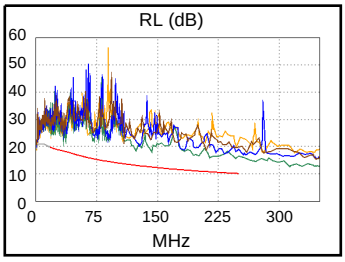


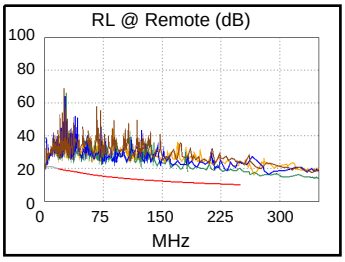












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 048

Date / Time: 05/03/2019 08:46:17 PM
Headroom 8.1 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	125
Prop. Delay (ns), Limit 498	[Pair 12]	195
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	5.91
Insertion Loss Margin (dB)	[Pair 36]	18.9
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	8.1	9.5	8.2	9.5
Freq. (MHz)	237.5	238.0	245.5	238.0
Limit (dB)	35.7	35.7	35.5	35.7
Worst Pair	45	45	45	45
PS NEXT (dB)	10.1	11.1	10.2	11.1
Freq. (MHz)	237.5	238.0	243.0	238.0
Limit (dB)	33.1	33.1	32.9	33.1

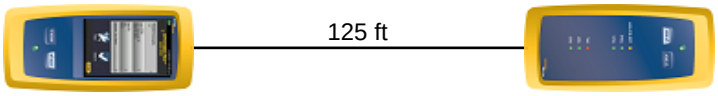
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	14.8	14.9	18.6	18.7
Freq. (MHz)	151.0	151.0	250.0	250.0
Limit (dB)	20.6	20.6	16.2	16.2
Worst Pair	45	45	78	45
PS ACR-F (dB)	15.4	15.5	21.0	20.9
Freq. (MHz)	2.0	1.9	250.0	250.0
Limit (dB)	55.2	55.7	13.2	13.2

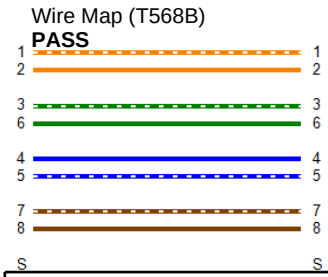
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	16.5	17.4	27.2	28.9
Freq. (MHz)	32.0	18.5	245.5	246.0
Limit (dB)	39.7	46.0	4.7	4.6
Worst Pair	12	45	45	45
PS ACR-N (dB)	17.5	18.3	29.0	30.6
Freq. (MHz)	5.4	13.4	243.0	246.0
Limit (dB)	55.7	47.0	2.3	2.0

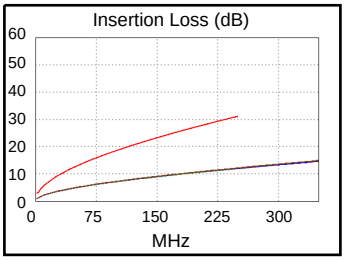
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	36
RL (dB)	5.2	5.8	5.2	7.4
Freq. (MHz)	249.0	43.0	249.0	249.0
Limit (dB)	10.0	17.7	10.0	10.0

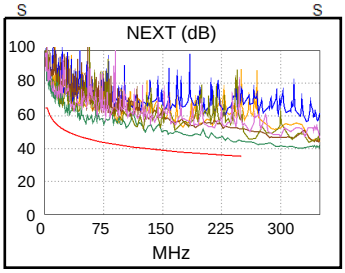
Compliant Network Standards:

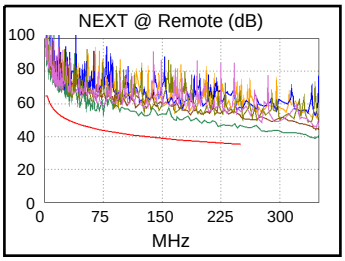
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

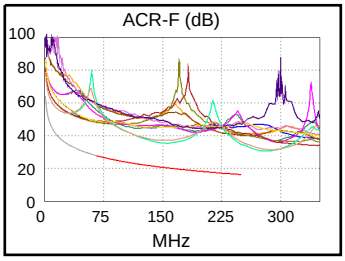


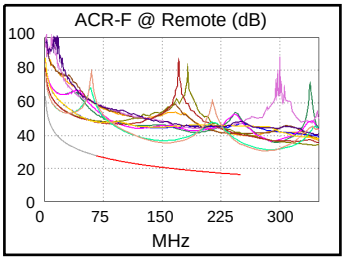


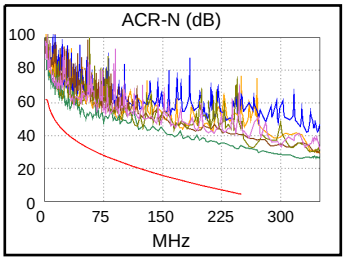


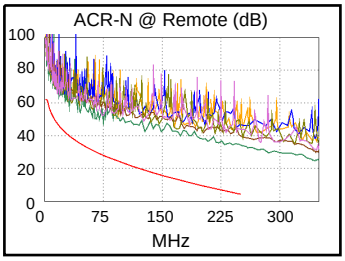


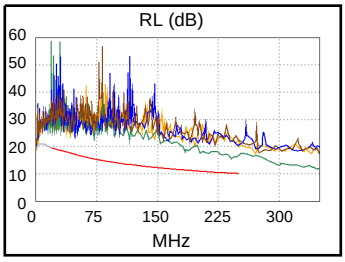


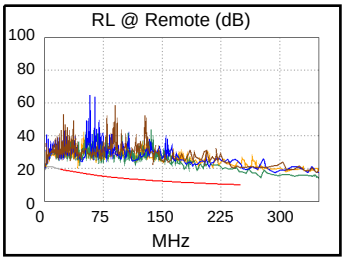












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 049

Date / Time: 05/24/2019 05:36:14 PM
Headroom 7.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	126
Prop. Delay (ns), Limit 498	[Pair 12]	196
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	5.98
Insertion Loss Margin (dB)	[Pair 78]	18.7
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-45
NEXT (dB)	7.7	11.5	7.7	12.0
Freq. (MHz)	219.0	41.8	219.0	250.0
Limit (dB)	36.3	48.0	36.3	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	9.1	10.7	9.1	10.7
Freq. (MHz)	219.0	249.5	219.0	249.5
Limit (dB)	33.7	32.7	33.7	32.7

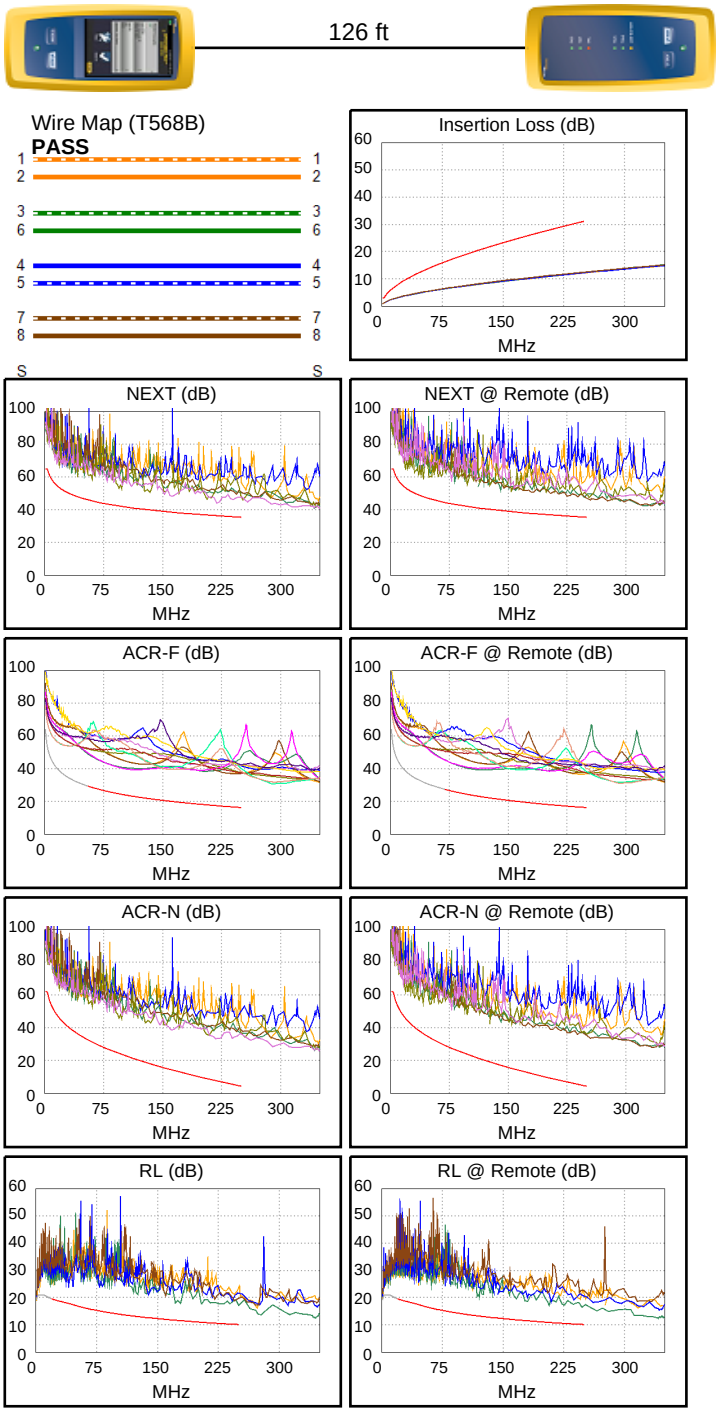
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	36-12	12-36
ACR-F (dB)	15.0	15.0	20.4	20.2
Freq. (MHz)	4.9	5.3	246.5	246.5
Limit (dB)	50.4	49.8	16.4	16.4
Worst Pair	45	45	36	36
PS ACR-F (dB)	15.8	15.8	20.5	20.3
Freq. (MHz)	1.6	1.5	249.0	249.5
Limit (dB)	57.0	57.7	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-45
ACR-N (dB)	17.7	16.5	25.0	30.9
Freq. (MHz)	15.9	18.8	219.0	250.0
Limit (dB)	47.6	45.9	7.5	4.2
Worst Pair	78	78	45	45
PS ACR-N (dB)	18.5	17.6	26.8	29.5
Freq. (MHz)	18.8	18.9	219.0	249.5
Limit (dB)	43.5	43.4	4.8	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.4	6.3	6.8	6.3
Freq. (MHz)	177.5	247.5	248.0	247.5
Limit (dB)	11.5	10.1	10.1	10.1

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		



FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 050

Date / Time: 05/24/2019 05:36:58 PM
Headroom 8.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	126
Prop. Delay (ns), Limit 498	[Pair 12]	197
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	5.98
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
NEXT (dB)	8.1	8.1	8.1	8.1
Freq. (MHz)	233.5	249.5	233.5	249.5
Limit (dB)	35.8	35.4	35.8	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	8.1	8.3	8.1	8.3
Freq. (MHz)	233.5	249.5	233.5	249.5
Limit (dB)	33.2	32.7	33.2	32.7

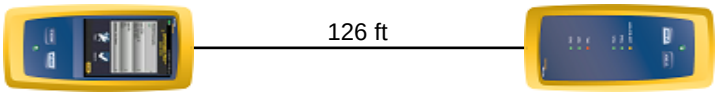
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	8.1	8.2	13.8	13.9
Freq. (MHz)	2.1	3.3	194.0	194.0
Limit (dB)	57.6	54.0	18.4	18.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	9.1	9.0	17.3	16.9
Freq. (MHz)	1.3	1.1	250.0	250.0
Limit (dB)	59.3	60.2	13.2	13.2

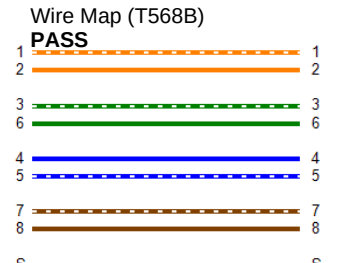
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
ACR-N (dB)	14.3	13.0	26.3	27.2
Freq. (MHz)	6.8	3.9	233.5	249.5
Limit (dB)	56.0	60.8	5.9	4.3
Worst Pair	78	78	45	45
PS ACR-N (dB)	14.8	13.7	27.0	27.3
Freq. (MHz)	3.9	3.9	239.5	249.5
Limit (dB)	58.5	58.5	2.7	1.7

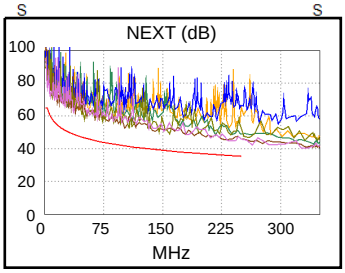
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.0	5.1	5.0	5.1
Freq. (MHz)	245.5	231.5	245.5	231.5
Limit (dB)	10.1	10.4	10.1	10.4

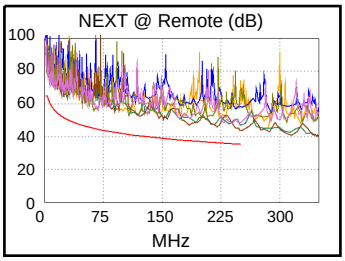
Compliant Network Standards:

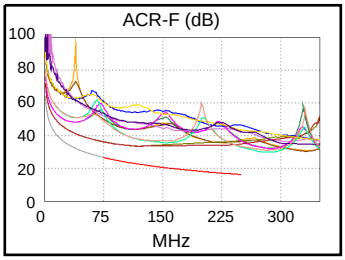
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

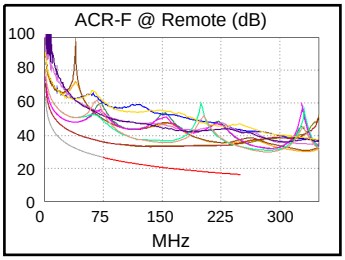


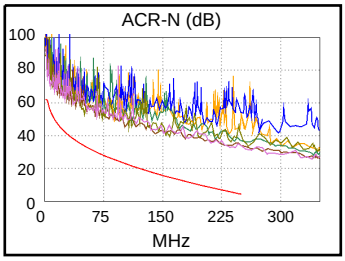


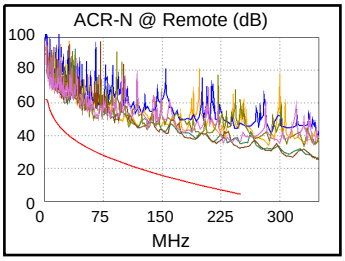


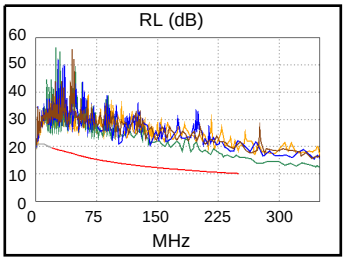


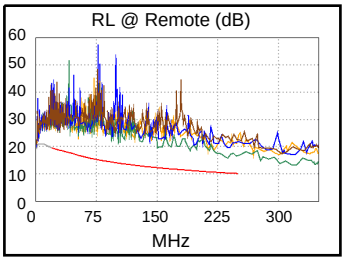












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 051

Date / Time: 05/03/2019 08:47:58 PM
Headroom 11.2 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	127
Prop. Delay (ns), Limit 498	[Pair 12]	197
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.98
Insertion Loss Margin (dB)	[Pair 78]	18.8
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	12-45
NEXT (dB)	11.2	11.4	11.2	11.4
Freq. (MHz)	5.6	228.0	248.0	228.0
Limit (dB)	61.8	36.0	35.4	36.0
Worst Pair	45	12	45	12
PS NEXT (dB)	11.2	12.2	11.2	12.4
Freq. (MHz)	248.0	174.5	248.0	228.0
Limit (dB)	32.8	35.3	32.8	33.4

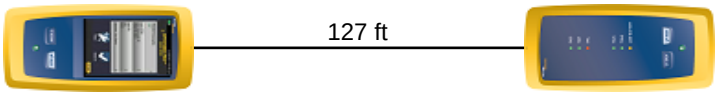
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	13.4	13.1	14.0	13.6
Freq. (MHz)	200.0	195.5	215.0	211.0
Limit (dB)	18.2	18.4	17.5	17.7
Worst Pair	12	45	45	45
PS ACR-F (dB)	16.0	15.5	16.8	16.4
Freq. (MHz)	200.0	195.5	225.5	221.5
Limit (dB)	15.2	15.4	14.1	14.3

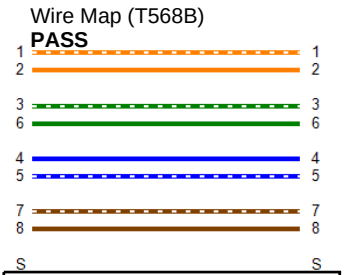
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	12-45
ACR-N (dB)	13.8	14.3	30.0	29.4
Freq. (MHz)	5.6	5.5	248.0	228.0
Limit (dB)	57.6	57.8	4.4	6.5
Worst Pair	45	12	45	45
PS ACR-N (dB)	15.4	15.8	30.1	32.2
Freq. (MHz)	5.6	5.6	248.0	248.0
Limit (dB)	55.3	55.3	1.8	1.8

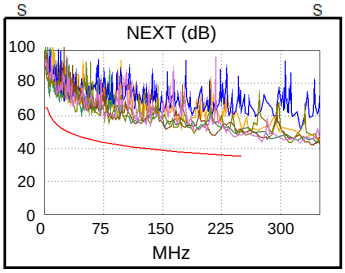
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.4	7.0	5.9	7.2
Freq. (MHz)	28.1	41.8	219.0	248.5
Limit (dB)	18.8	17.8	10.6	10.0

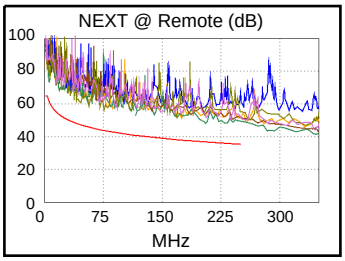
Compliant Network Standards:

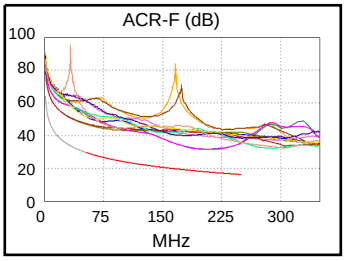
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

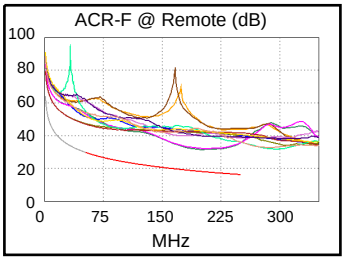


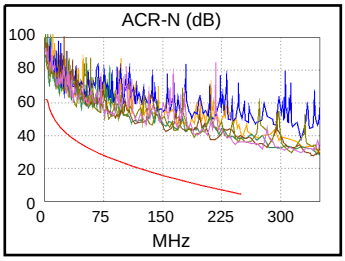


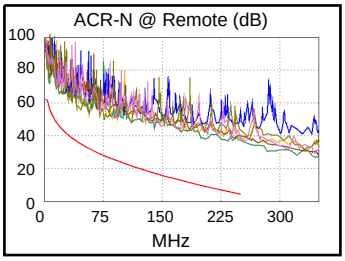


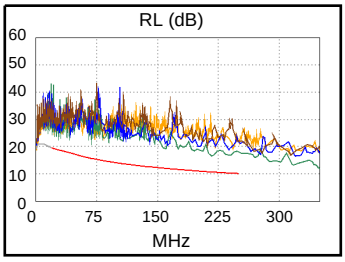


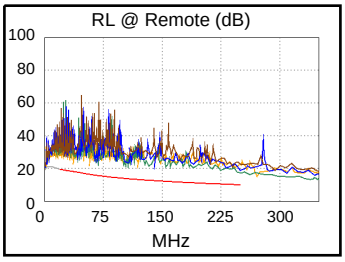












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 052

Date / Time: 05/03/2019 08:48:33 PM
Headroom 7.8 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	109
Prop. Delay (ns), Limit 498	[Pair 12]	170
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.19
Insertion Loss Margin (dB)	[Pair 36]	20.3
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	36-45	45-78
NEXT (dB)	11.4	7.8	11.5	8.0
Freq. (MHz)	175.0	228.0	248.0	244.0
Limit (dB)	37.9	36.0	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	11.6	8.8	11.7	9.3
Freq. (MHz)	248.0	228.0	248.5	244.0
Limit (dB)	32.8	33.4	32.7	32.9

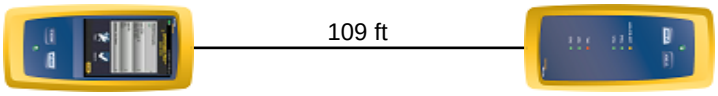
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-45	45-78
ACR-F (dB)	17.8	17.8	24.1	24.0
Freq. (MHz)	7.3	7.3	248.0	248.0
Limit (dB)	47.0	47.0	16.3	16.3
Worst Pair	36	36	45	78
PS ACR-F (dB)	16.3	16.4	26.0	26.6
Freq. (MHz)	1.0	1.0	248.5	248.0
Limit (dB)	61.2	61.2	13.3	13.3

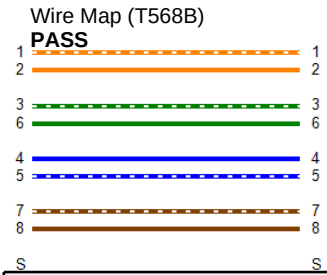
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	36-45	45-78
ACR-N (dB)	17.6	17.1	32.0	28.2
Freq. (MHz)	16.8	29.1	248.0	244.0
Limit (dB)	47.1	40.9	4.4	4.8
Worst Pair	78	36	45	45
PS ACR-N (dB)	18.5	17.5	32.1	29.6
Freq. (MHz)	16.8	16.6	248.5	244.0
Limit (dB)	44.7	44.8	1.8	2.2

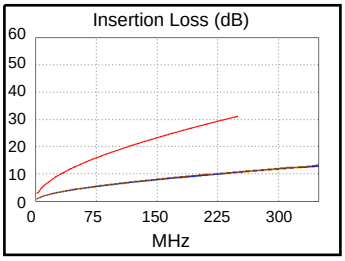
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.7	7.6	5.7	8.2
Freq. (MHz)	249.0	27.1	249.0	248.5
Limit (dB)	10.0	18.8	10.0	10.0

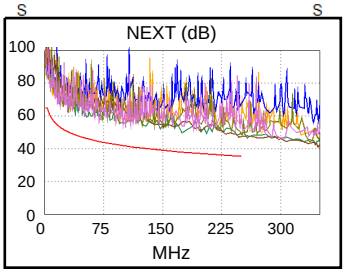
Compliant Network Standards:

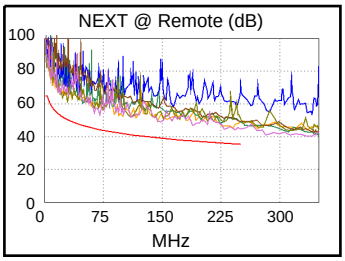
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

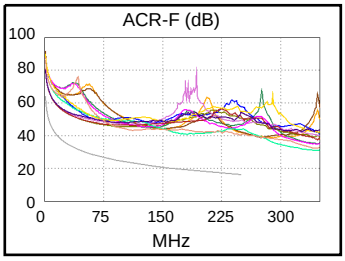


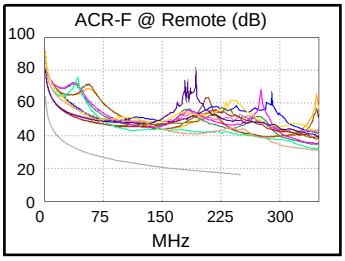


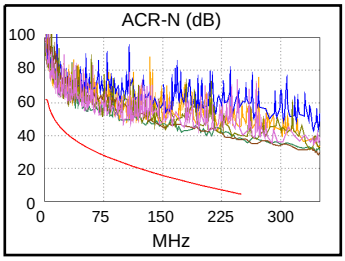


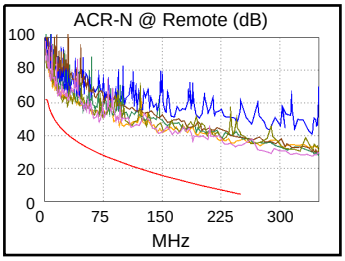


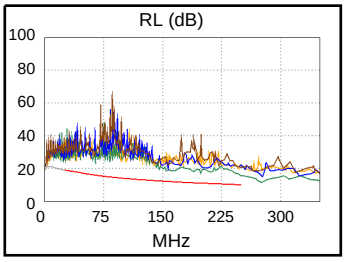


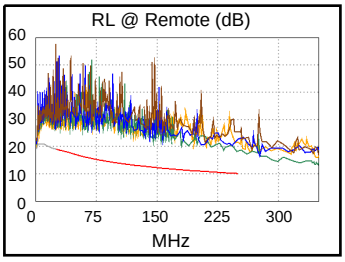












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 053

Date / Time: 05/03/2019 08:48:54 PM
Headroom 9.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	110
Prop. Delay (ns), Limit 498	[Pair 12]	172
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.23
Insertion Loss Margin (dB)	[Pair 36]	20.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	9.8	9.5	9.8	9.5
Freq. (MHz)	248.5	245.0	248.5	245.0
Limit (dB)	35.4	35.5	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	10.8	10.6	10.8	10.6
Freq. (MHz)	248.5	242.0	248.5	242.0
Limit (dB)	32.7	32.9	32.7	32.9

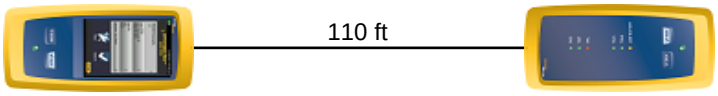
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	16.1	16.1	16.6	16.5
Freq. (MHz)	6.3	6.3	172.0	172.0
Limit (dB)	48.3	48.3	19.5	19.5
Worst Pair	45	45	36	36
PS ACR-F (dB)	15.7	15.8	21.5	21.7
Freq. (MHz)	1.3	1.3	250.0	247.5
Limit (dB)	59.3	59.3	13.2	13.3

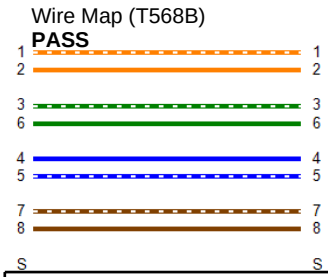
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	18.8	18.7	30.3	29.9
Freq. (MHz)	8.6	27.6	248.5	245.0
Limit (dB)	53.7	41.5	4.4	4.7
Worst Pair	12	12	45	45
PS ACR-N (dB)	19.6	19.8	31.2	31.1
Freq. (MHz)	8.6	9.0	248.5	245.0
Limit (dB)	51.4	51.0	1.8	2.1

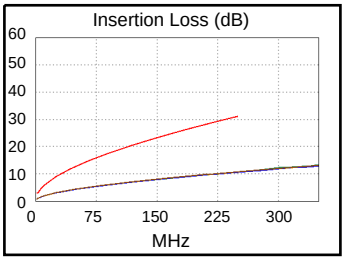
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	36	36
RL (dB)	5.4	6.3	7.3	6.3
Freq. (MHz)	24.6	230.5	243.0	230.5
Limit (dB)	19.0	10.4	10.1	10.4

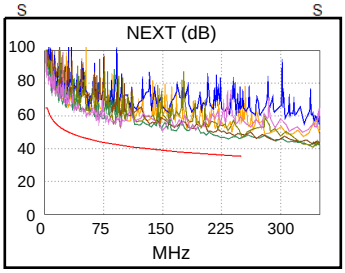
Compliant Network Standards:

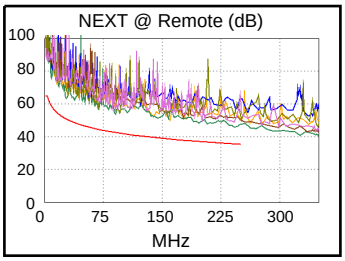
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

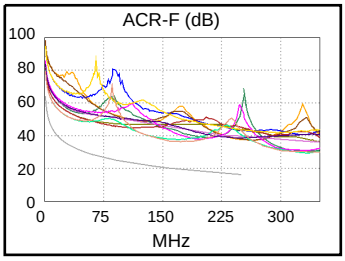


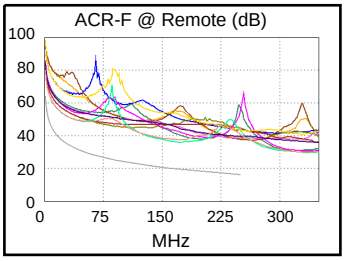


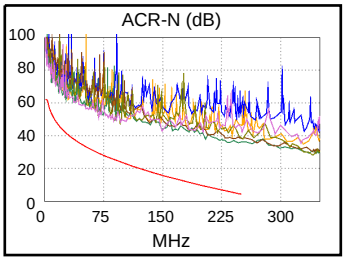


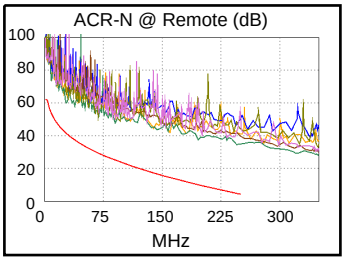


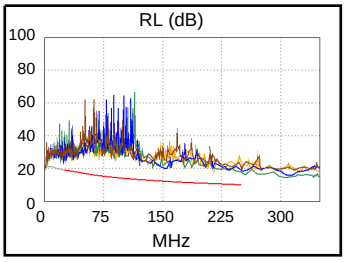


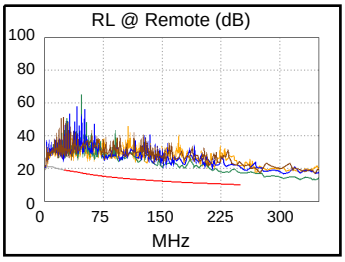












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 054

Date / Time: 05/03/2019 08:49:23 PM
Headroom 10.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	105
Prop. Delay (ns), Limit 498	[Pair 12]	162
Delay Skew (ns), Limit 44	[Pair 12]	8
Resistance (ohms)	[Pair 12]	4.98
Insertion Loss Margin (dB)	[Pair 36]	20.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	10.7	10.1	10.7	10.6
Freq. (MHz)	246.5	177.0	246.5	246.0
Limit (dB)	35.4	37.8	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	10.4	9.8	10.4	9.8
Freq. (MHz)	243.0	246.5	243.0	246.5
Limit (dB)	32.9	32.8	32.9	32.8

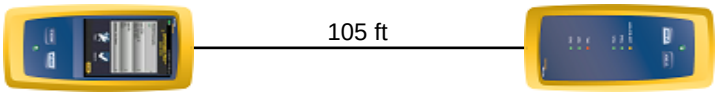
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-12	12-45
ACR-F (dB)	14.5	14.5	15.4	15.4
Freq. (MHz)	4.8	4.8	237.5	237.5
Limit (dB)	50.7	50.7	16.7	16.7
Worst Pair	45	45	12	45
PS ACR-F (dB)	14.4	14.3	17.8	17.9
Freq. (MHz)	1.0	1.3	239.5	247.5
Limit (dB)	61.2	59.3	13.6	13.3

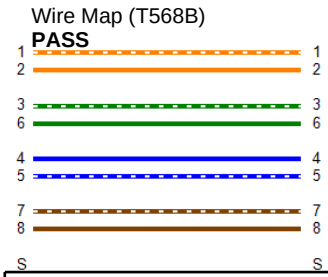
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	45-78
ACR-N (dB)	18.1	18.7	31.4	31.5
Freq. (MHz)	6.6	6.6	246.5	246.5
Limit (dB)	56.1	56.1	4.6	4.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	19.0	19.4	31.3	30.8
Freq. (MHz)	6.6	22.1	243.0	246.5
Limit (dB)	53.8	41.6	2.3	2.0

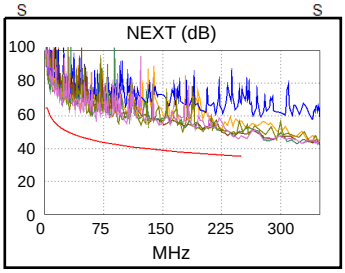
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.6	6.8	6.2	7.0
Freq. (MHz)	34.5	34.8	247.5	247.5
Limit (dB)	18.3	18.3	10.1	10.1

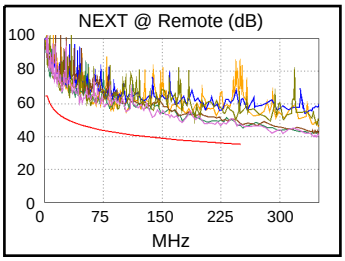
Compliant Network Standards:

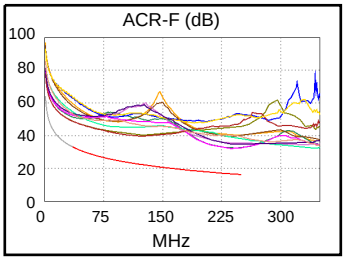
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

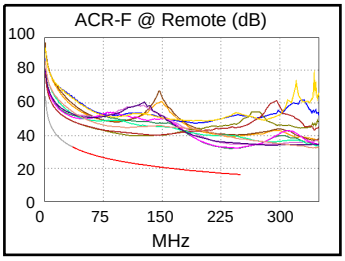


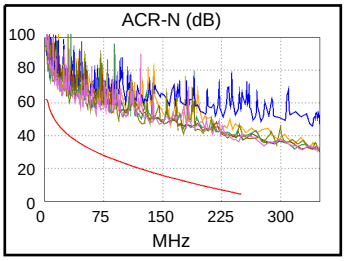


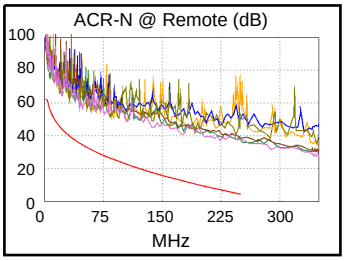


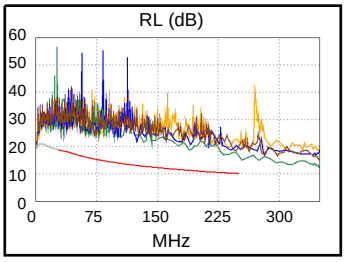


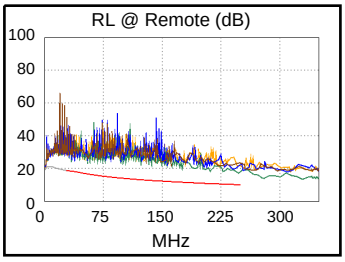












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 055

Date / Time: 05/03/2019 08:49:43 PM
Headroom 6.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	107
Prop. Delay (ns), Limit 498	[Pair 12]	166
Delay Skew (ns), Limit 44	[Pair 12]	9
Resistance (ohms)	[Pair 12]	5.05
Insertion Loss Margin (dB)	[Pair 36]	20.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	10.2	6.7	10.2	6.8
Freq. (MHz)	239.0	249.5	239.0	250.0
Limit (dB)	35.7	35.4	35.7	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	10.7	7.4	10.7	7.4
Freq. (MHz)	239.0	250.0	239.0	250.0
Limit (dB)	33.0	32.7	33.0	32.7

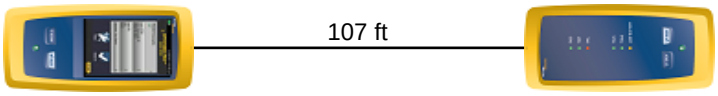
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-45	45-78
ACR-F (dB)	14.6	14.6	21.5	21.4
Freq. (MHz)	4.6	4.6	250.0	250.0
Limit (dB)	50.9	50.9	16.2	16.2
Worst Pair	36	36	45	78
PS ACR-F (dB)	15.6	15.6	23.2	22.1
Freq. (MHz)	1.3	1.4	250.0	250.0
Limit (dB)	59.3	58.4	13.2	13.2

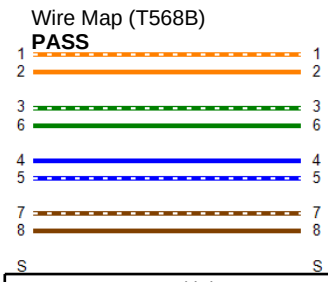
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	18.4	16.2	30.5	27.6
Freq. (MHz)	6.5	21.6	239.0	250.0
Limit (dB)	56.3	44.3	5.4	4.2
Worst Pair	45	45	45	45
PS ACR-N (dB)	19.7	17.7	31.1	28.3
Freq. (MHz)	22.1	21.9	239.0	250.0
Limit (dB)	41.6	41.8	2.7	1.6

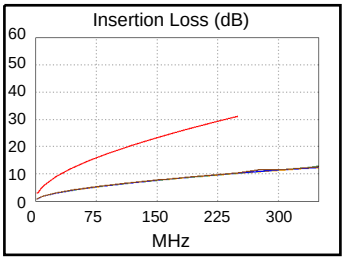
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.3	6.6	5.4	6.7
Freq. (MHz)	27.4	242.5	245.5	249.0
Limit (dB)	18.8	10.2	10.1	10.0

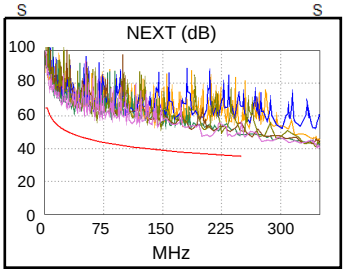
Compliant Network Standards:

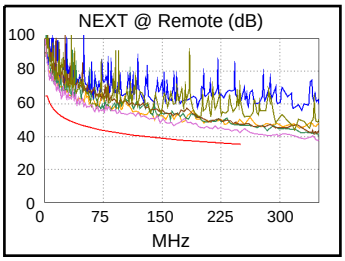
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

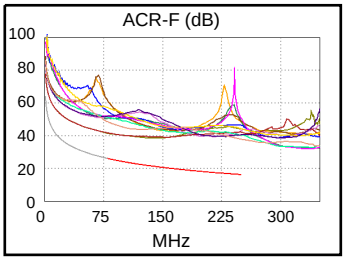


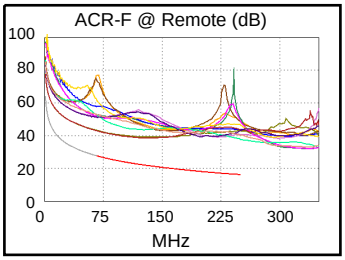


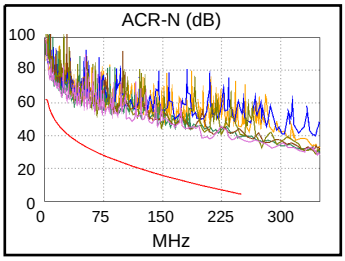


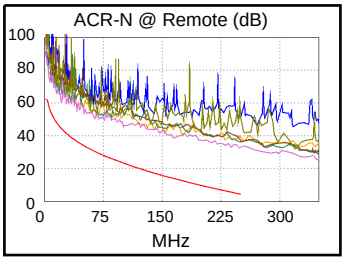


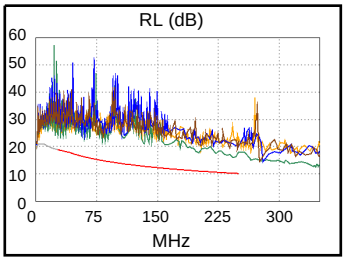


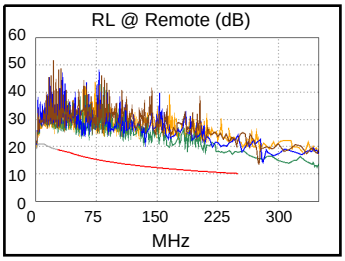












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 056

Date / Time: 05/03/2019 08:51:29 PM
Headroom 4.3 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	106
Prop. Delay (ns), Limit 498	[Pair 45]	166
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.46
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	4.3	8.4	4.6	8.4
Freq. (MHz)	121.0	212.5	214.0	212.5
Limit (dB)	40.5	36.5	36.4	36.5
Worst Pair	36	36	36	45
PS NEXT (dB)	5.8	9.4	5.8	9.4
Freq. (MHz)	245.5	196.0	245.5	239.0
Limit (dB)	32.8	34.5	32.8	33.0

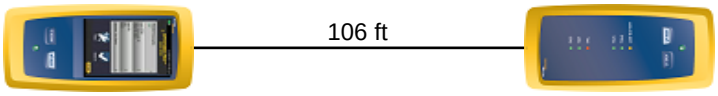
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-12	45-78
ACR-F (dB)	13.8	13.8	18.4	16.9
Freq. (MHz)	4.8	4.8	243.0	206.0
Limit (dB)	50.7	50.7	16.5	17.9
Worst Pair	45	45	12	12
PS ACR-F (dB)	13.5	13.3	19.0	19.1
Freq. (MHz)	1.0	1.0	246.5	238.0
Limit (dB)	61.2	61.2	13.4	13.7

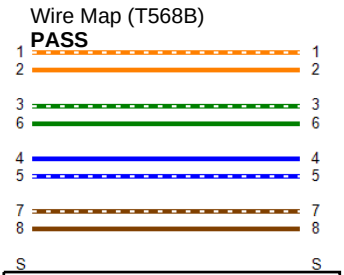
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
ACR-N (dB)	13.1	14.2	25.8	29.0
Freq. (MHz)	12.6	19.5	244.5	239.5
Limit (dB)	50.0	45.4	4.8	5.3
Worst Pair	36	36	36	45
PS ACR-N (dB)	14.1	15.3	25.3	29.0
Freq. (MHz)	12.6	19.8	245.5	239.0
Limit (dB)	47.6	42.9	2.1	2.7

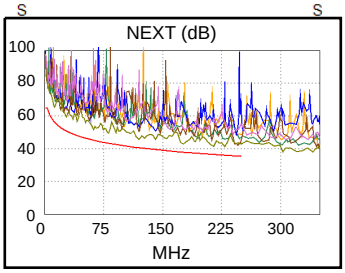
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	6.3	6.5	6.3
Freq. (MHz)	201.0	242.0	250.0	242.0
Limit (dB)	11.0	10.2	10.0	10.2

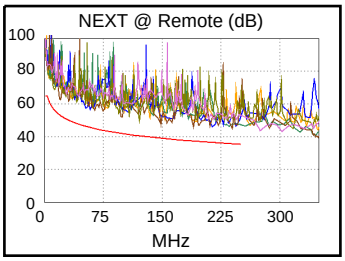
Compliant Network Standards:

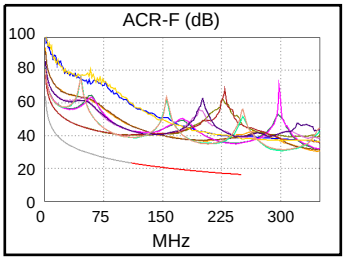
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

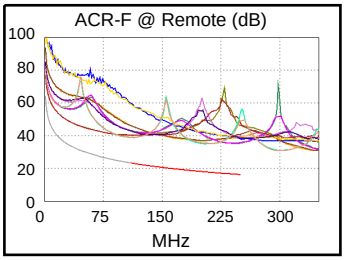


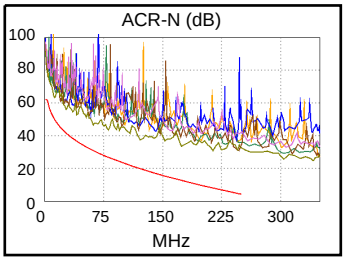


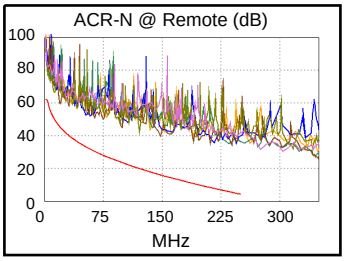


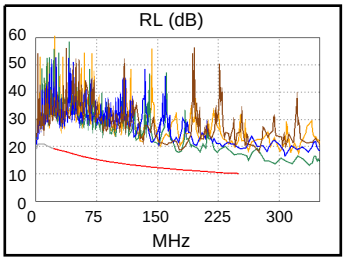


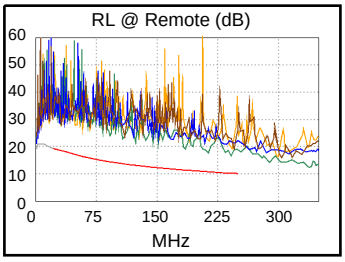












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 057

Date / Time: 05/03/2019 08:51:53 PM
Headroom 5.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	106
Prop. Delay (ns), Limit 498	[Pair 45]	166
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.42
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	12-36
NEXT (dB)	5.0	6.2	6.5	7.5
Freq. (MHz)	192.5	45.5	238.5	200.5
Limit (dB)	37.2	47.4	35.7	36.9
Worst Pair	45	36	45	36
PS NEXT (dB)	5.6	8.0	7.1	8.6
Freq. (MHz)	160.5	45.0	239.5	200.5
Limit (dB)	35.9	45.0	33.0	34.3

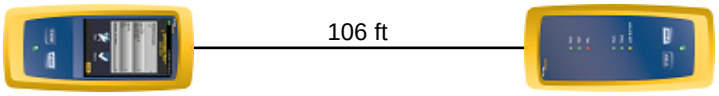
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-F (dB)	14.9	14.9	15.1	14.9
Freq. (MHz)	199.5	205.0	208.5	205.0
Limit (dB)	18.2	18.0	17.8	18.0
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.9	15.9	16.2	16.6
Freq. (MHz)	209.0	209.5	217.5	231.0
Limit (dB)	14.8	14.8	14.4	13.9

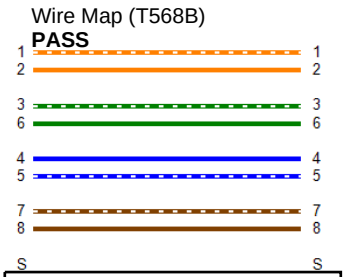
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-45
ACR-N (dB)	11.9	13.7	25.9	29.7
Freq. (MHz)	12.6	12.6	238.5	248.0
Limit (dB)	50.0	50.0	5.4	4.4
Worst Pair	78	78	45	36
PS ACR-N (dB)	13.0	14.9	27.5	29.9
Freq. (MHz)	12.6	12.6	248.5	246.5
Limit (dB)	47.6	47.6	1.8	2.0

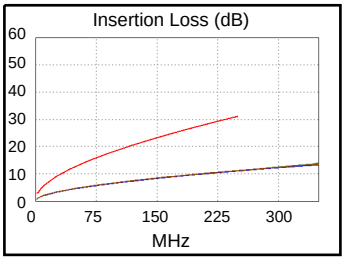
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	5.6	5.9	6.8	6.1
Freq. (MHz)	36.3	232.5	241.5	247.5
Limit (dB)	18.2	10.3	10.2	10.1

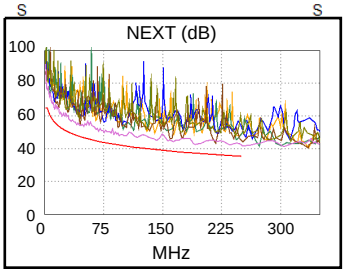
Compliant Network Standards:

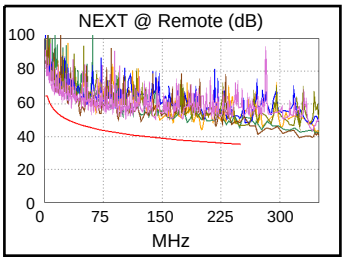
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

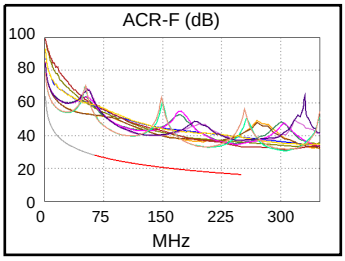


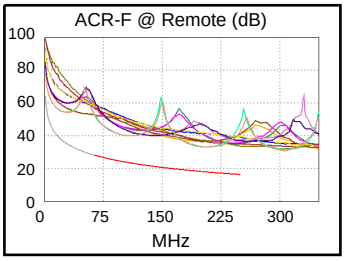


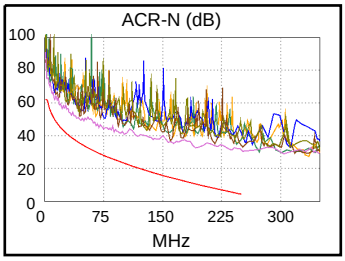


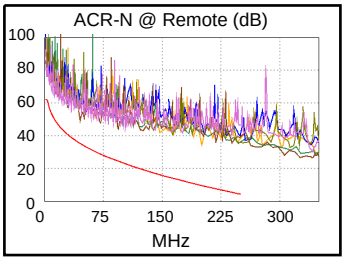


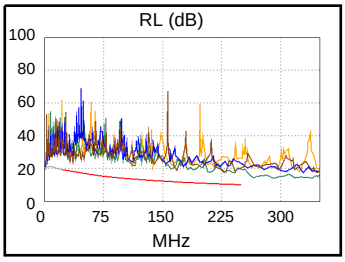


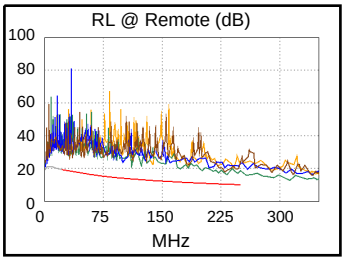












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 058

Date / Time: 05/03/2019 08:52:23 PM
Headroom 7.5 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	99
Prop. Delay (ns), Limit 498	[Pair 12]	155
Delay Skew (ns), Limit 44	[Pair 12]	9
Resistance (ohms)	[Pair 12]	4.76
Insertion Loss Margin (dB)	[Pair 36]	21.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
NEXT (dB)	8.5	7.5	9.8	11.0
Freq. (MHz)	59.3	35.0	249.5	249.0
Limit (dB)	45.5	49.2	35.4	35.4
Worst Pair	36	36	36	45
PS NEXT (dB)	10.6	9.8	10.6	11.8
Freq. (MHz)	228.0	34.8	228.0	232.5
Limit (dB)	33.4	46.8	33.4	33.2

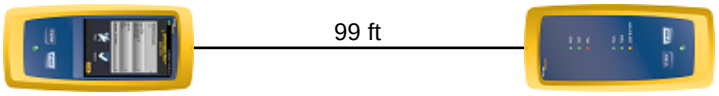
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-78
ACR-F (dB)	17.1	17.4	17.4	19.6
Freq. (MHz)	174.5	176.5	195.0	250.0
Limit (dB)	19.4	19.3	18.4	16.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	16.0	16.0	19.7	20.6
Freq. (MHz)	1.1	1.1	217.0	247.5
Limit (dB)	60.2	60.2	14.5	13.3

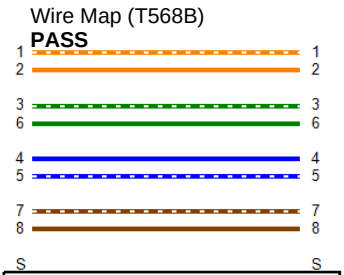
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
ACR-N (dB)	15.9	14.7	31.4	32.6
Freq. (MHz)	35.0	34.8	249.5	249.0
Limit (dB)	38.6	38.7	4.3	4.3
Worst Pair	78	78	45	45
PS ACR-N (dB)	17.8	17.0	33.0	34.1
Freq. (MHz)	35.0	34.8	249.5	248.5
Limit (dB)	36.2	36.3	1.7	1.8

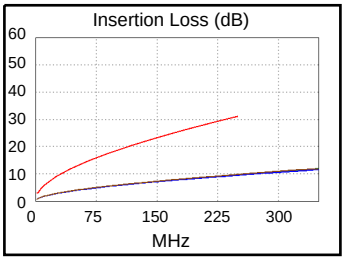
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	36
RL (dB)	6.2	6.9	6.9	7.3
Freq. (MHz)	32.5	36.8	249.5	249.5
Limit (dB)	18.4	18.2	10.0	10.0

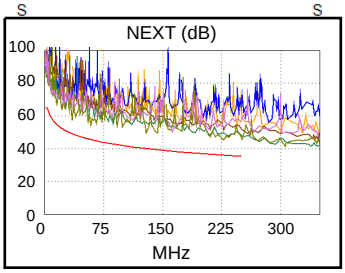
Compliant Network Standards:

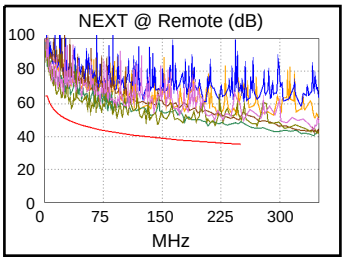
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

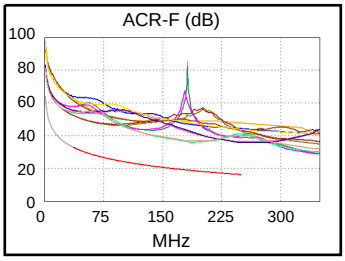


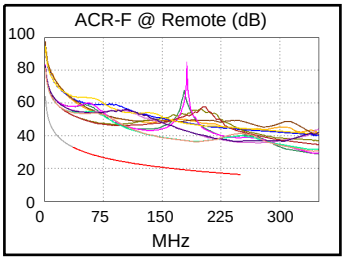


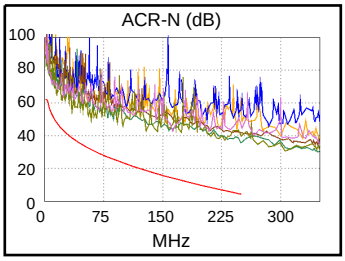


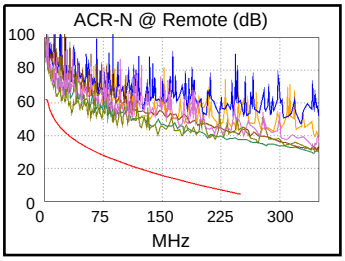


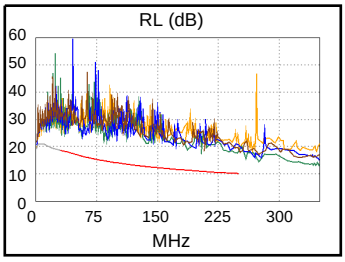


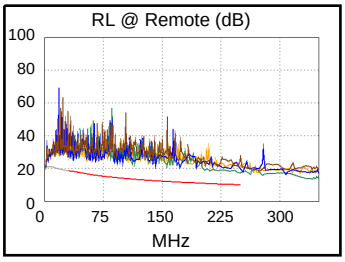












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 059

Date / Time: 05/03/2019 08:52:43 PM
Headroom 6.4 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	100
Prop. Delay (ns), Limit 498	[Pair 12]	156
Delay Skew (ns), Limit 44	[Pair 12]	9
Resistance (ohms)	[Pair 12]	4.80
Insertion Loss Margin (dB)	[Pair 78]	21.2
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	6.4	8.0	6.5	8.0
Freq. (MHz)	199.0	242.0	199.5	242.0
Limit (dB)	37.0	35.6	36.9	35.6
Worst Pair	36	45	36	45
PS NEXT (dB)	6.7	7.4	6.7	7.4
Freq. (MHz)	199.5	242.5	199.5	242.5
Limit (dB)	34.3	32.9	34.3	32.9

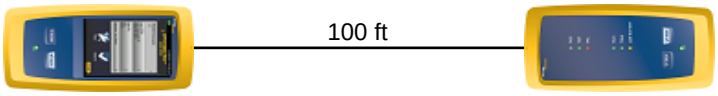
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	78-45	45-78
ACR-F (dB)	15.6	15.7	19.8	19.8
Freq. (MHz)	137.0	137.0	249.0	249.5
Limit (dB)	21.5	21.5	16.3	16.2
Worst Pair	36	36	45	78
PS ACR-F (dB)	14.8	14.7	17.6	21.5
Freq. (MHz)	1.0	1.0	169.0	249.5
Limit (dB)	61.2	61.2	16.6	13.2

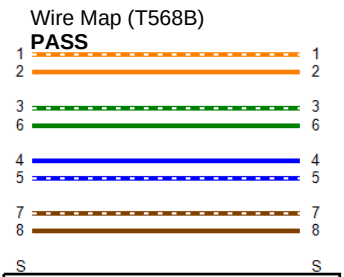
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
ACR-N (dB)	15.9	16.0	25.1	29.1
Freq. (MHz)	24.8	31.8	199.5	242.0
Limit (dB)	42.8	39.8	9.6	5.0
Worst Pair	78	12	36	45
PS ACR-N (dB)	16.5	17.2	29.7	28.4
Freq. (MHz)	14.4	31.5	243.5	242.5
Limit (dB)	46.3	37.5	2.3	2.4

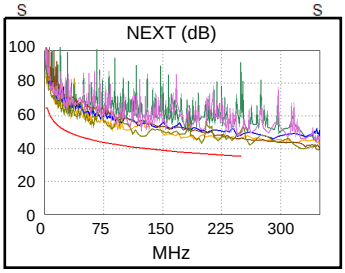
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	8.2	6.8	9.7	6.9
Freq. (MHz)	42.8	237.5	244.5	248.0
Limit (dB)	17.7	10.2	10.1	10.1

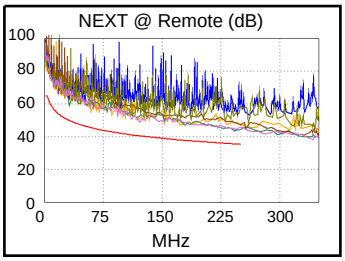
Compliant Network Standards:

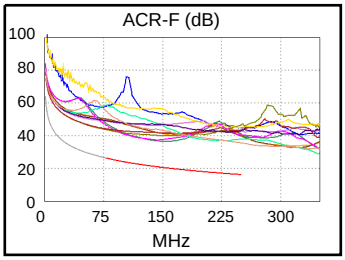
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

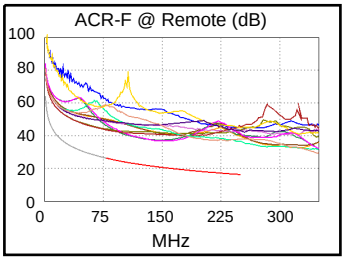


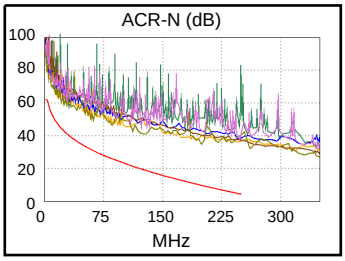


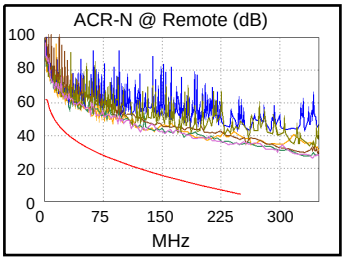


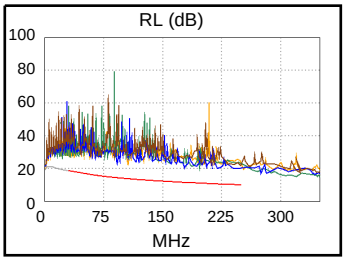


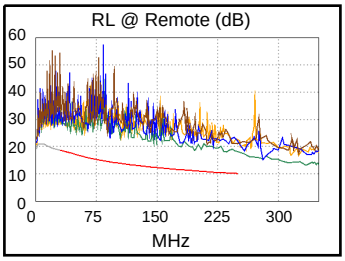












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 060

Date / Time: 05/03/2019 08:53:34 PM
Headroom 7.6 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	125
Prop. Delay (ns), Limit 498	[Pair 12]	196
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	5.98
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-45	12-45
NEXT (dB)	8.7	7.6	10.9	7.6
Freq. (MHz)	101.0	232.0	218.5	232.0
Limit (dB)	41.8	35.9	36.3	35.9
Worst Pair	78	45	45	45
PS NEXT (dB)	10.6	9.2	11.7	9.2
Freq. (MHz)	101.0	232.0	244.5	232.0
Limit (dB)	39.2	33.2	32.9	33.2

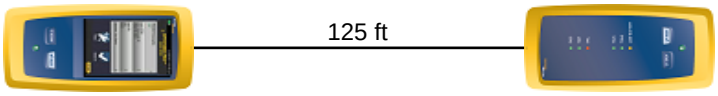
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	15.9	15.9	18.1	18.3
Freq. (MHz)	5.4	5.8	250.0	250.0
Limit (dB)	49.6	49.0	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.2	15.2	19.9	19.0
Freq. (MHz)	1.0	1.1	249.0	250.0
Limit (dB)	61.2	60.2	13.3	13.2

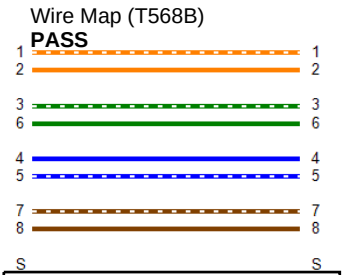
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-45	12-45
ACR-N (dB)	15.2	15.2	31.0	27.3
Freq. (MHz)	12.6	8.0	245.0	245.5
Limit (dB)	50.0	54.4	4.7	4.7
Worst Pair	36	12	45	45
PS ACR-N (dB)	17.1	17.1	30.7	28.8
Freq. (MHz)	12.8	8.0	244.5	246.0
Limit (dB)	47.5	52.1	2.2	2.0

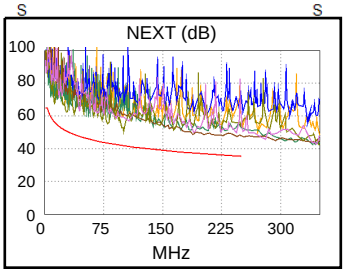
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.0	5.8	5.0	6.0
Freq. (MHz)	248.5	210.0	248.5	248.5
Limit (dB)	10.0	10.8	10.0	10.0

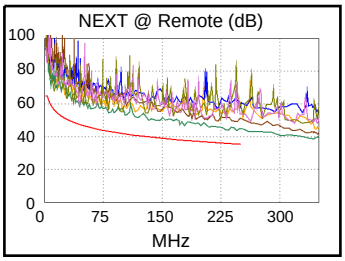
Compliant Network Standards:

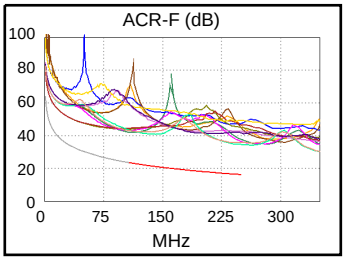
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

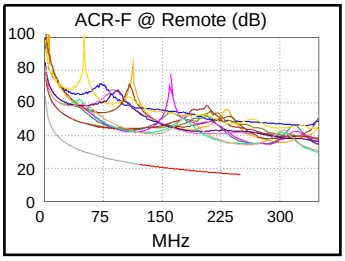


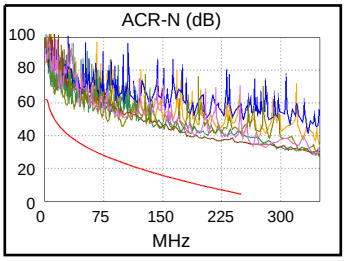


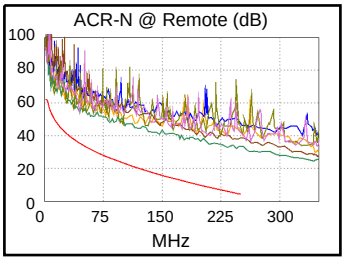


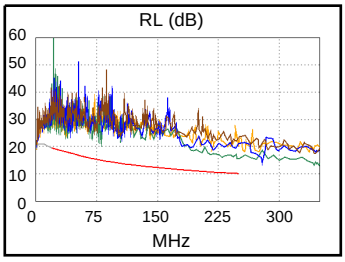


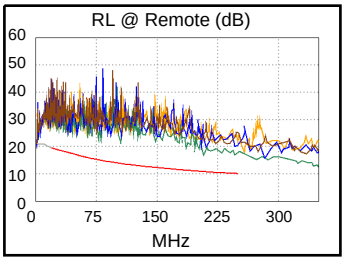












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 061

Date / Time: 05/03/2019 08:53:54 PM
Headroom 5.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	126
Prop. Delay (ns), Limit 498	[Pair 12]	196
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	5.88
Insertion Loss Margin (dB)	[Pair 78]	18.9
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	12-45	45-78
NEXT (dB)	10.6	5.7	10.6	6.2
Freq. (MHz)	231.5	208.5	231.5	246.5
Limit (dB)	35.9	36.6	35.9	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	11.3	6.6	11.3	6.6
Freq. (MHz)	234.5	246.5	234.5	246.5
Limit (dB)	33.2	32.8	33.2	32.8

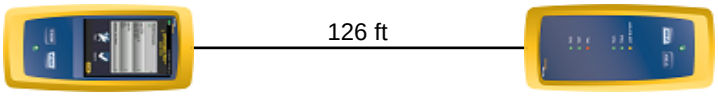
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	15.4	15.4	20.3	20.6
Freq. (MHz)	5.1	5.3	250.0	250.0
Limit (dB)	50.0	49.8	16.2	16.2
Worst Pair	36	36	78	78
PS ACR-F (dB)	15.7	15.6	21.5	21.8
Freq. (MHz)	1.5	1.1	250.0	249.0
Limit (dB)	57.7	60.2	13.2	13.3

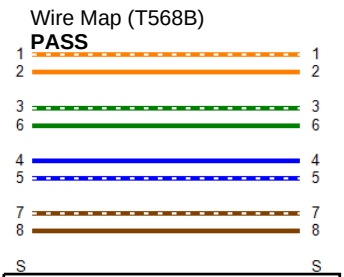
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-45	45-78
ACR-N (dB)	14.5	13.8	29.4	25.0
Freq. (MHz)	6.3	17.9	234.5	246.5
Limit (dB)	56.7	46.4	5.8	4.6
Worst Pair	78	45	45	45
PS ACR-N (dB)	16.0	15.0	31.4	26.0
Freq. (MHz)	6.1	18.0	250.0	250.0
Limit (dB)	54.5	43.9	1.6	1.6

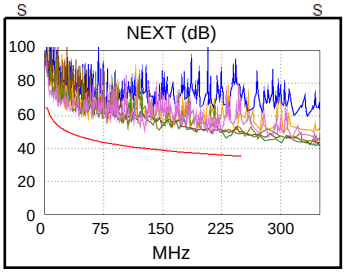
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.8	6.4	5.0	7.3
Freq. (MHz)	197.0	59.0	238.0	243.5
Limit (dB)	11.1	16.3	10.2	10.1

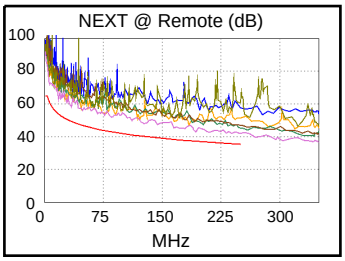
Compliant Network Standards:

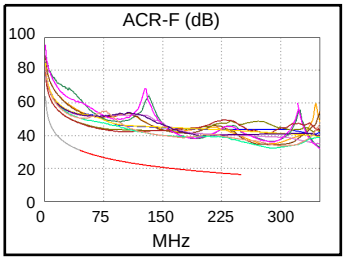
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

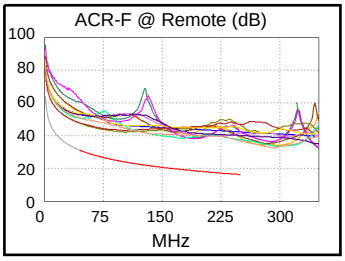


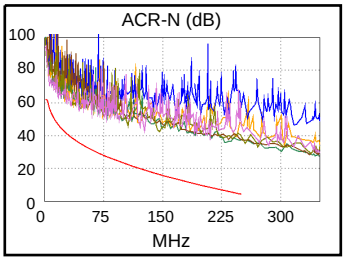


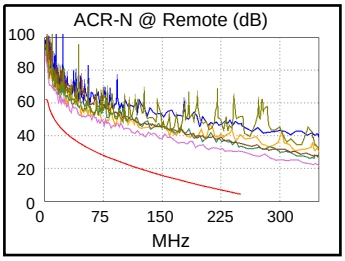


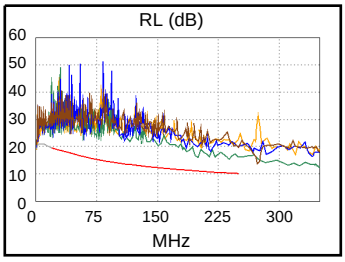


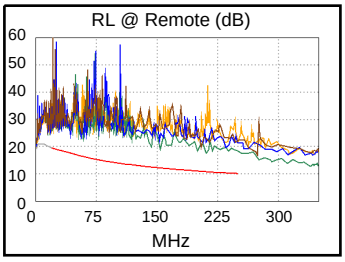












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 062

Date / Time: 05/03/2019 08:54:56 PM
Headroom 10.7 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	119
Prop. Delay (ns), Limit 498	[Pair 12]	185
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.66
Insertion Loss Margin (dB)	[Pair 78]	19.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	12.3	10.7	12.3	10.7
Freq. (MHz)	247.0	249.5	247.0	249.5
Limit (dB)	35.4	35.4	35.4	35.4
Worst Pair	45	45	78	45
PS NEXT (dB)	12.5	10.6	12.5	10.6
Freq. (MHz)	238.0	249.5	250.0	249.5
Limit (dB)	33.1	32.7	32.7	32.7

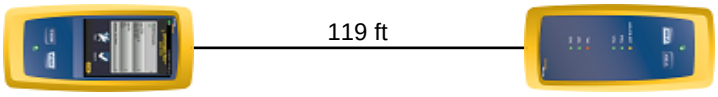
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	15.2	15.1	16.4	16.4
Freq. (MHz)	83.5	83.5	211.0	212.5
Limit (dB)	25.8	25.8	17.7	17.6
Worst Pair	45	45	12	45
PS ACR-F (dB)	16.3	16.5	18.8	18.1
Freq. (MHz)	94.8	83.5	211.0	206.0
Limit (dB)	21.7	22.8	14.7	14.9

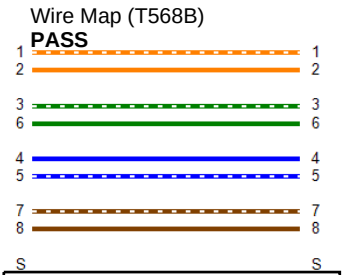
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
ACR-N (dB)	20.4	19.8	31.6	30.3
Freq. (MHz)	5.4	2.5	247.0	249.5
Limit (dB)	58.0	62.0	4.5	4.3
Worst Pair	36	12	78	45
PS ACR-N (dB)	21.5	20.4	31.9	30.1
Freq. (MHz)	3.9	11.6	250.0	249.5
Limit (dB)	58.5	48.5	1.6	1.7

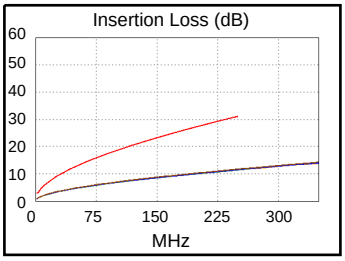
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.3	6.8	6.3	6.8
Freq. (MHz)	245.0	248.0	245.0	248.0
Limit (dB)	10.1	10.1	10.1	10.1

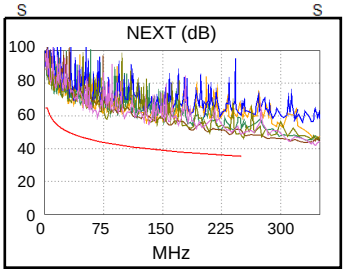
Compliant Network Standards:

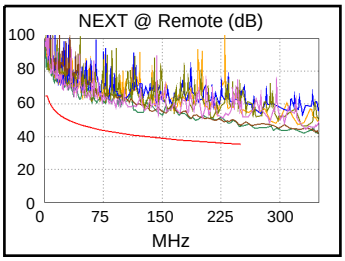
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

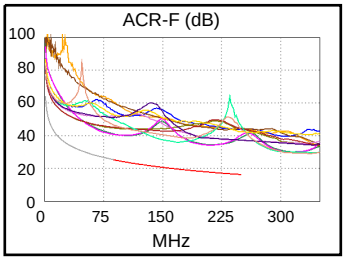


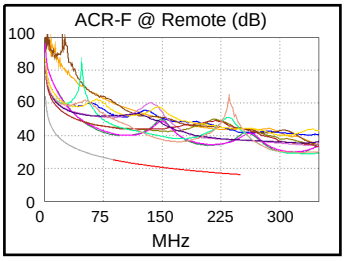


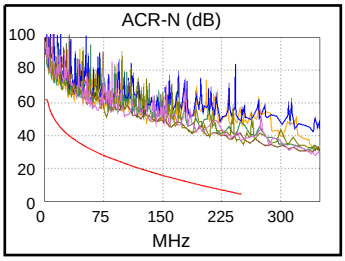


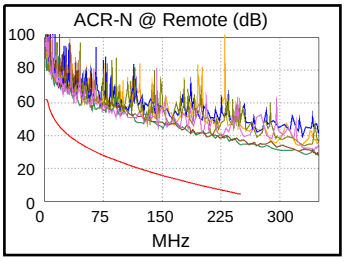


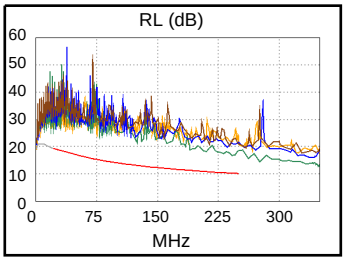


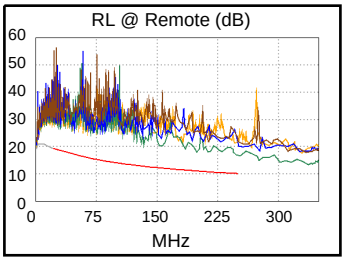












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 063

Date / Time: 05/03/2019 08:55:12 PM
Headroom 7.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	119
Prop. Delay (ns), Limit 498	[Pair 12]	185
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.66
Insertion Loss Margin (dB)	[Pair 78]	19.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	45-78	45-78
NEXT (dB)	10.3	7.5	11.0	7.5
Freq. (MHz)	76.0	232.5	236.5	232.5
Limit (dB)	43.8	35.9	35.7	35.9
Worst Pair	45	45	45	45
PS NEXT (dB)	11.7	8.2	11.9	8.2
Freq. (MHz)	149.0	241.5	236.5	241.5
Limit (dB)	36.4	33.0	33.1	33.0

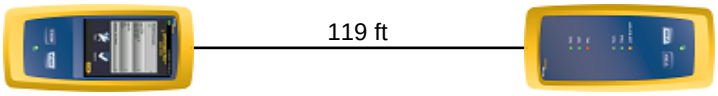
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-45	45-78
ACR-F (dB)	16.2	16.2	20.5	20.3
Freq. (MHz)	6.3	6.3	241.5	241.5
Limit (dB)	48.3	48.3	16.5	16.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.8	14.8	21.4	20.7
Freq. (MHz)	1.5	1.5	221.5	204.5
Limit (dB)	57.7	57.7	14.3	15.0

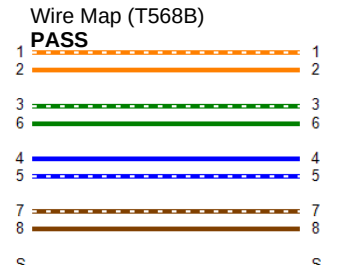
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	45-78	45-78
ACR-N (dB)	17.0	16.1	29.7	26.2
Freq. (MHz)	8.9	17.6	236.5	232.5
Limit (dB)	53.4	46.5	5.6	6.0
Worst Pair	45	12	45	45
PS ACR-N (dB)	17.7	17.0	30.9	27.7
Freq. (MHz)	8.8	8.4	236.5	244.5
Limit (dB)	51.2	51.6	3.0	2.2

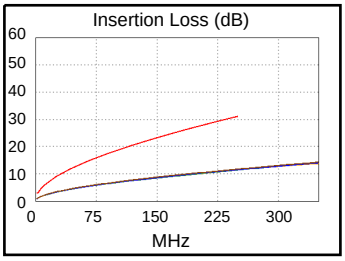
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	36
RL (dB)	5.5	7.1	5.5	7.9
Freq. (MHz)	234.0	23.5	234.0	213.5
Limit (dB)	10.3	19.1	10.3	10.7

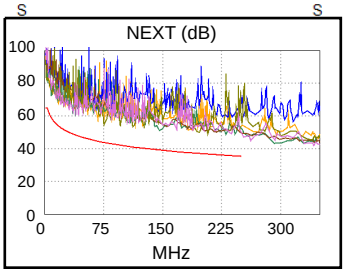
Compliant Network Standards:

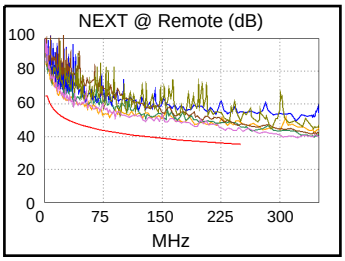
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

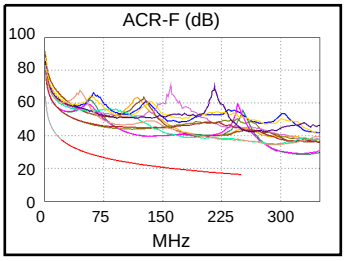


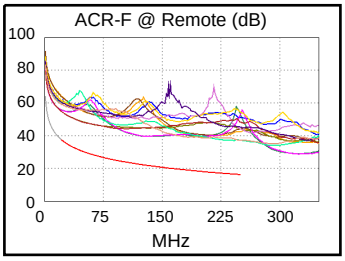


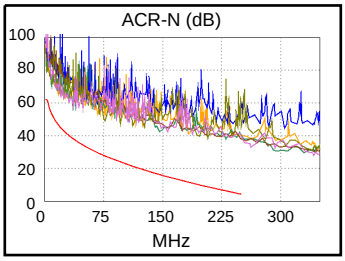


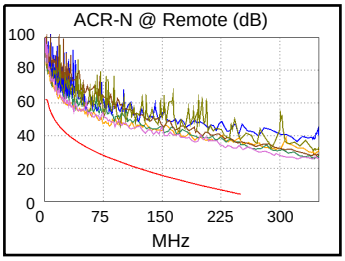


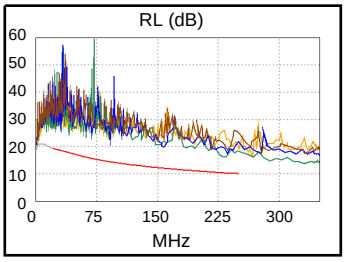


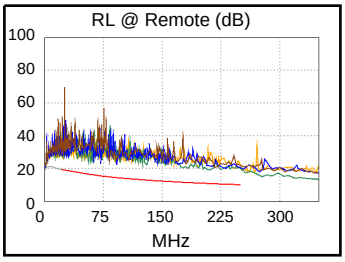












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 064

Date / Time: 05/03/2019 08:55:42 PM
Headroom 6.1 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	128
Prop. Delay (ns), Limit 498	[Pair 12]	200
Delay Skew (ns), Limit 44	[Pair 12]	11
Resistance (ohms)	[Pair 12]	6.09
Insertion Loss Margin (dB)	[Pair 36]	18.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-45
NEXT (dB)	10.6	6.1	10.8	6.1
Freq. (MHz)	242.5	250.0	250.0	250.0
Limit (dB)	35.6	35.3	35.3	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	9.7	8.1	9.7	8.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	32.7	32.7	32.7	32.7

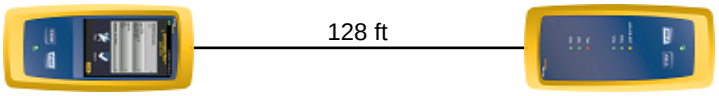
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	12-45	45-12
ACR-F (dB)	10.7	10.7	16.6	16.7
Freq. (MHz)	3.3	3.3	220.5	220.5
Limit (dB)	54.0	54.0	17.3	17.3
Worst Pair	45	45	12	12
PS ACR-F (dB)	11.3	11.2	18.1	17.8
Freq. (MHz)	1.3	1.1	223.5	224.0
Limit (dB)	59.3	60.2	14.2	14.2

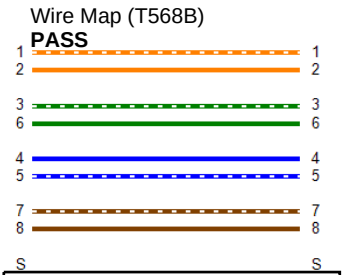
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-45
ACR-N (dB)	14.4	14.2	29.5	24.8
Freq. (MHz)	3.4	3.3	250.0	250.0
Limit (dB)	61.8	61.8	4.2	4.2
Worst Pair	45	45	45	45
PS ACR-N (dB)	16.2	16.2	28.4	26.8
Freq. (MHz)	3.4	3.5	250.0	250.0
Limit (dB)	58.8	58.7	1.6	1.6

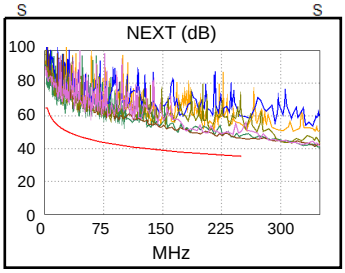
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	5.3	7.3	5.3
Freq. (MHz)	20.3	232.5	248.5	232.5
Limit (dB)	19.5	10.3	10.0	10.3

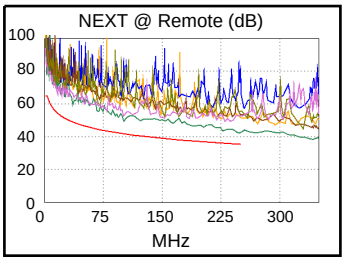
Compliant Network Standards:

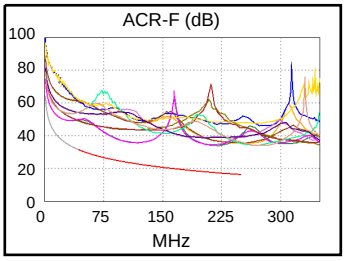
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

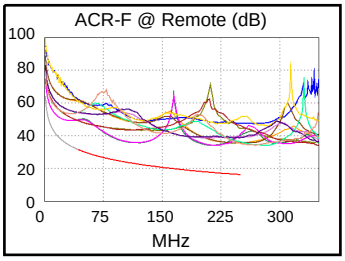


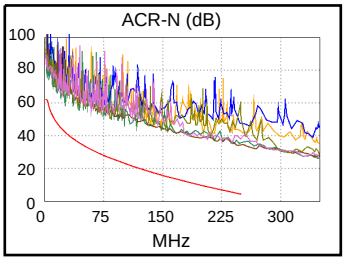


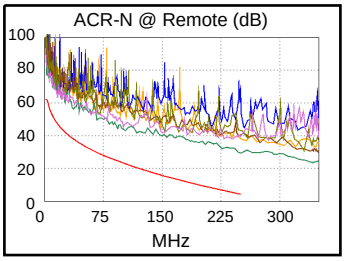


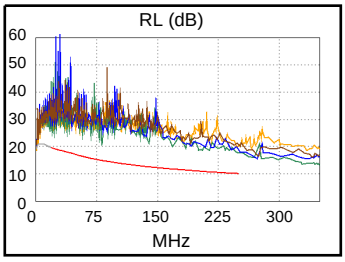


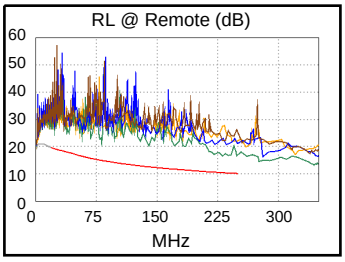












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 065

Date / Time: 05/03/2019 09:01:21 PM
Headroom 9.1 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 12]	191
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.80
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-45	12-45
NEXT (dB)	10.7	9.1	11.3	9.1
Freq. (MHz)	90.0	228.5	245.5	228.5
Limit (dB)	42.6	36.0	35.5	36.0
Worst Pair	45	45	45	45
PS NEXT (dB)	12.0	9.6	12.4	10.1
Freq. (MHz)	234.5	223.0	248.0	248.0
Limit (dB)	33.2	33.5	32.8	32.8

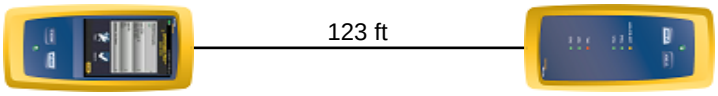
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	19.2	19.2	20.5	20.4
Freq. (MHz)	8.3	8.3	250.0	250.0
Limit (dB)	45.9	45.9	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.4	18.2	20.7	21.5
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

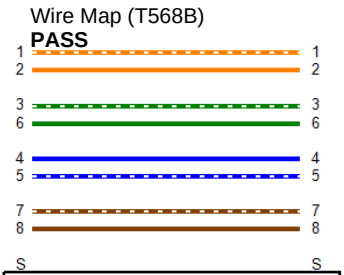
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-45
ACR-N (dB)	17.7	16.0	30.5	29.7
Freq. (MHz)	19.1	13.3	245.5	250.0
Limit (dB)	45.7	49.5	4.7	4.2
Worst Pair	45	12	45	45
PS ACR-N (dB)	18.6	17.9	31.7	29.4
Freq. (MHz)	19.4	11.3	248.0	248.0
Limit (dB)	43.1	48.8	1.8	1.8

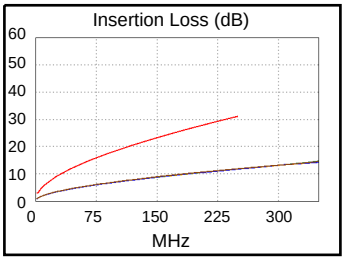
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.2	5.9	6.0	5.9
Freq. (MHz)	21.3	227.0	246.5	227.0
Limit (dB)	19.4	10.4	10.1	10.4

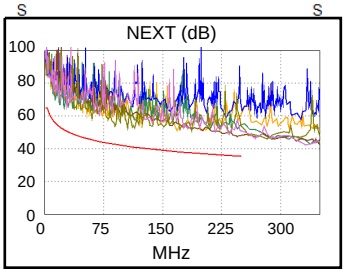
Compliant Network Standards:

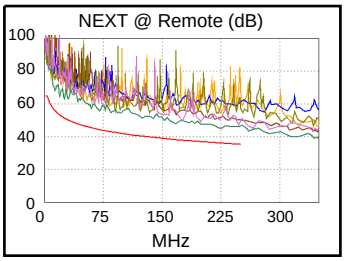
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

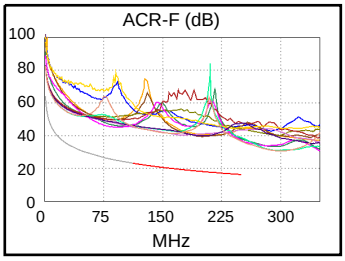


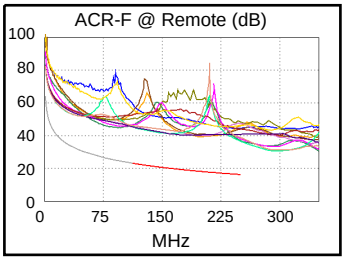


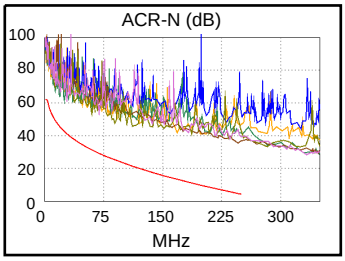


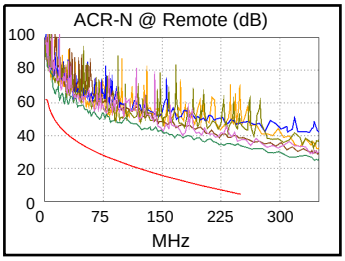


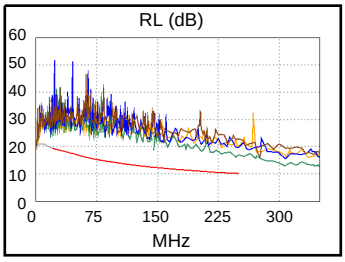


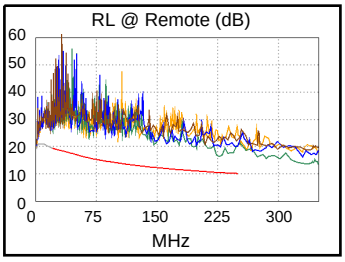












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 066

Date / Time: 05/03/2019 09:00:41 PM
Headroom 8.9 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	121
Prop. Delay (ns), Limit 498	[Pair 12]	188
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.70
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	8.9	9.9	8.9	9.9
Freq. (MHz)	249.5	249.5	249.5	249.5
Limit (dB)	35.4	35.4	35.4	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	9.7	10.2	9.7	10.2
Freq. (MHz)	249.5	249.5	249.5	249.5
Limit (dB)	32.7	32.7	32.7	32.7

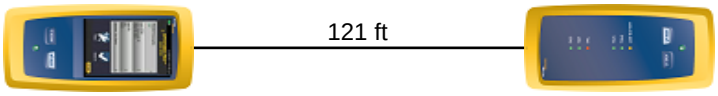
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	12-45	45-12
ACR-F (dB)	17.1	17.0	18.6	18.7
Freq. (MHz)	158.5	164.5	207.5	211.5
Limit (dB)	20.2	19.9	17.8	17.7
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.8	17.1	19.1	21.4
Freq. (MHz)	1.0	1.1	196.0	250.0
Limit (dB)	61.2	60.2	15.3	13.2

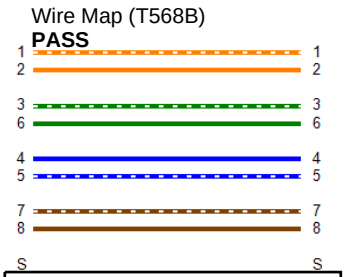
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-45	12-45
ACR-N (dB)	18.8	17.9	28.5	29.5
Freq. (MHz)	24.5	36.0	249.5	249.5
Limit (dB)	42.9	38.3	4.3	4.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	18.7	18.5	29.2	29.7
Freq. (MHz)	13.8	13.5	249.5	249.5
Limit (dB)	46.8	46.9	1.7	1.7

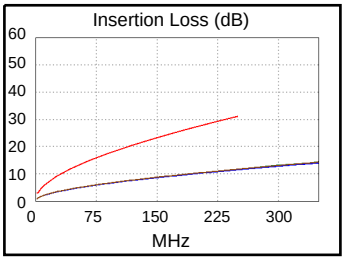
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.1	5.9	5.6	5.9
Freq. (MHz)	21.6	242.0	242.0	242.0
Limit (dB)	19.3	10.2	10.2	10.2

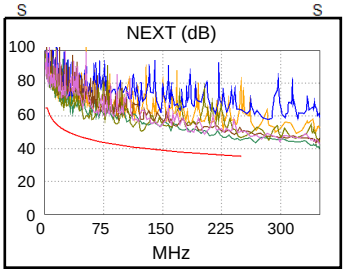
Compliant Network Standards:

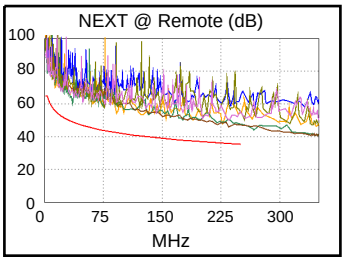
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

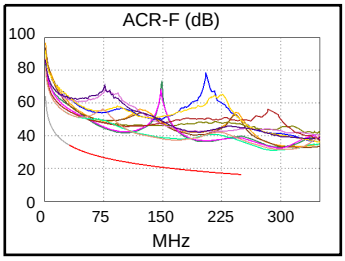


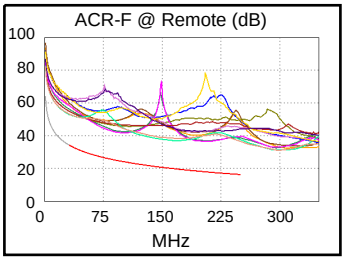


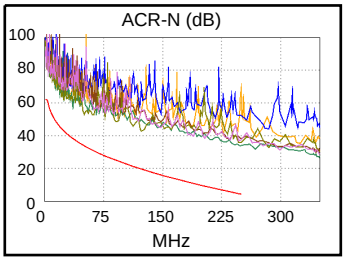


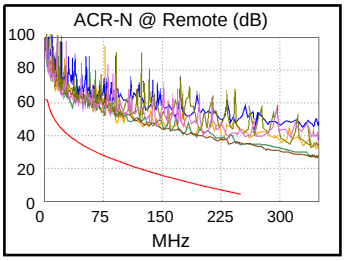


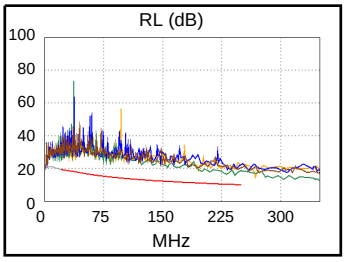


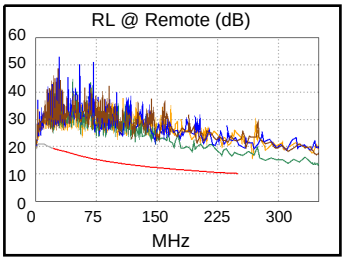












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 067

Date / Time: 05/03/2019 08:59:34 PM
Headroom 10.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	127
Prop. Delay (ns), Limit 498	[Pair 12]	199
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	5.98
Insertion Loss Margin (dB)	[Pair 36]	18.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	45-78	12-45
NEXT (dB)	10.6	10.5	10.6	10.5
Freq. (MHz)	228.0	216.0	233.0	216.0
Limit (dB)	36.0	36.4	35.8	36.4
Worst Pair	45	45	45	45
PS NEXT (dB)	10.0	11.0	10.0	12.0
Freq. (MHz)	234.0	216.0	234.0	249.5
Limit (dB)	33.2	33.8	33.2	32.7

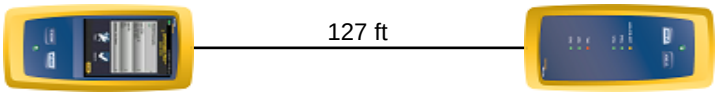
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-12	45-78	78-45
ACR-F (dB)	17.2	17.5	17.6	17.9
Freq. (MHz)	130.5	174.5	248.5	248.5
Limit (dB)	21.9	19.4	16.3	16.3
Worst Pair	36	36	45	45
PS ACR-F (dB)	17.4	17.5	19.1	17.6
Freq. (MHz)	1.3	1.0	248.5	248.5
Limit (dB)	59.3	61.2	13.3	13.3

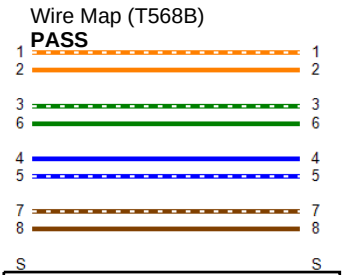
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	45-78	12-45
ACR-N (dB)	17.7	18.0	28.5	30.8
Freq. (MHz)	12.8	35.3	233.0	244.0
Limit (dB)	49.9	38.5	6.0	4.8
Worst Pair	36	12	45	45
PS ACR-N (dB)	19.9	19.6	28.4	30.9
Freq. (MHz)	12.8	4.9	234.0	249.5
Limit (dB)	47.5	56.6	3.2	1.7

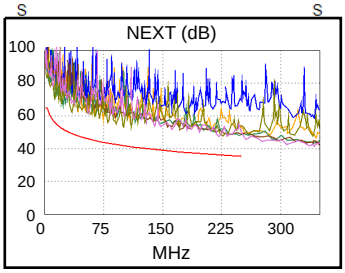
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.7	6.4	5.5	6.4
Freq. (MHz)	20.4	248.0	248.0	248.0
Limit (dB)	19.5	10.1	10.1	10.1

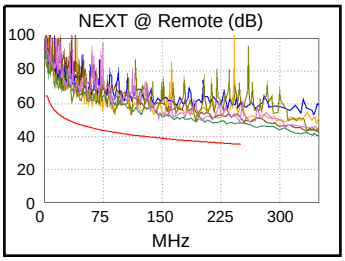
Compliant Network Standards:

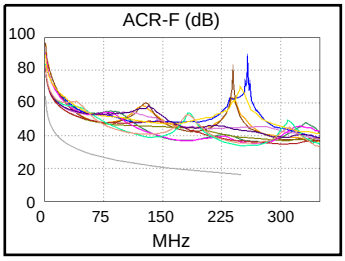
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

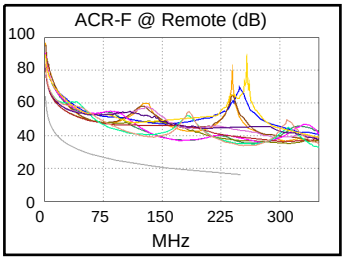


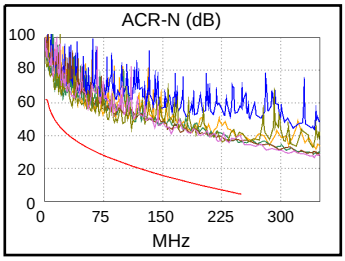


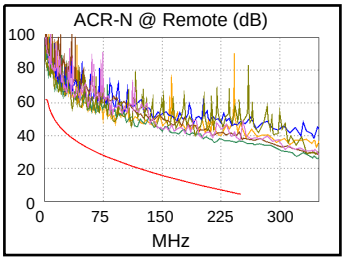


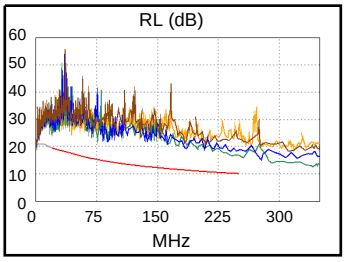


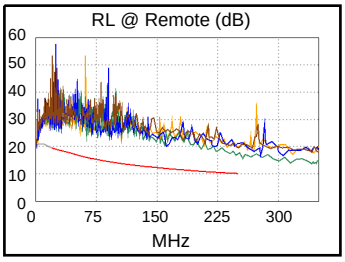












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 068

Date / Time: 05/03/2019 09:03:26 PM
Headroom 8.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	94
Prop. Delay (ns), Limit 498	[Pair 12]	147
Delay Skew (ns), Limit 44	[Pair 12]	8
Resistance (ohms)	[Pair 12]	4.51
Insertion Loss Margin (dB)	[Pair 36]	21.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	8.5	9.7	8.8	9.7
Freq. (MHz)	202.5	245.0	248.5	245.0
Limit (dB)	36.8	35.5	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	9.0	10.2	9.0	10.7
Freq. (MHz)	248.0	225.5	248.0	248.5
Limit (dB)	32.8	33.5	32.8	32.7

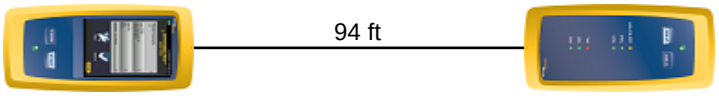
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-12	12-45
ACR-F (dB)	17.0	17.0	17.9	17.8
Freq. (MHz)	7.3	30.6	244.5	244.5
Limit (dB)	47.0	34.5	16.4	16.4
Worst Pair	12	45	12	12
PS ACR-F (dB)	17.3	17.2	17.3	17.9
Freq. (MHz)	247.0	1.0	247.0	244.0
Limit (dB)	13.3	61.2	13.3	13.4

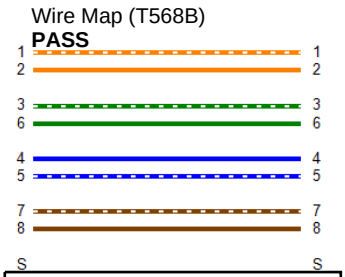
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	16.8	17.7	30.8	31.6
Freq. (MHz)	6.6	7.1	248.5	245.0
Limit (dB)	56.1	55.5	4.4	4.7
Worst Pair	45	12	45	45
PS ACR-N (dB)	17.7	18.5	31.0	32.6
Freq. (MHz)	7.3	7.0	248.0	248.5
Limit (dB)	53.0	53.3	1.8	1.8

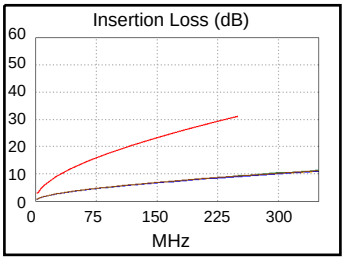
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	36	36
RL (dB)	5.4	5.6	6.2	5.8
Freq. (MHz)	39.3	39.0	249.0	242.0
Limit (dB)	18.0	18.0	10.0	10.2

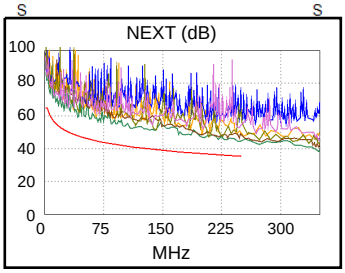
Compliant Network Standards:

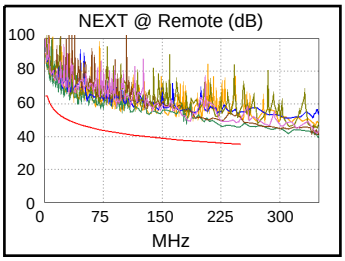
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

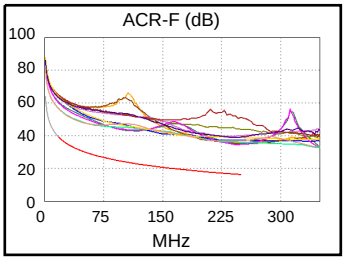


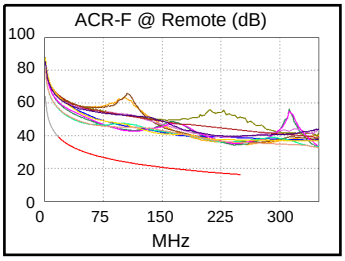


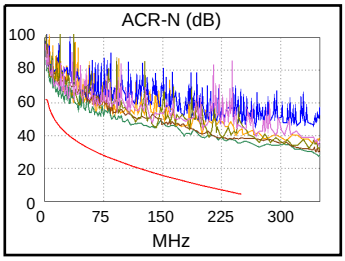


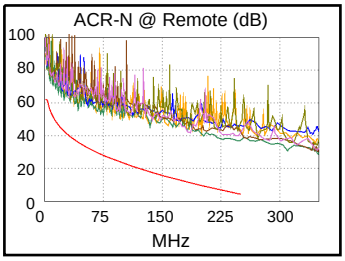


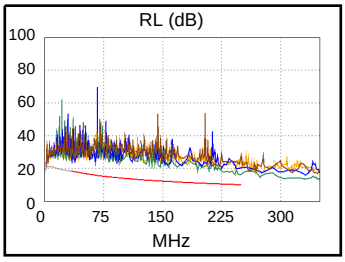


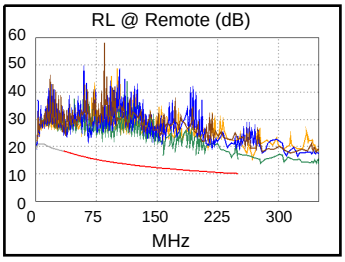












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 069

Date / Time: 05/03/2019 09:04:11 PM
Headroom 7.6 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	94
Prop. Delay (ns), Limit 498	[Pair 12]	147
Delay Skew (ns), Limit 44	[Pair 12]	8
Resistance (ohms)	[Pair 12]	4.51
Insertion Loss Margin (dB)	[Pair 36]	22.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	7.6	9.2	7.6	9.2
Freq. (MHz)	214.0	238.0	214.0	238.0
Limit (dB)	36.4	35.7	36.4	35.7
Worst Pair	36	45	36	45
PS NEXT (dB)	9.4	9.0	9.4	9.2
Freq. (MHz)	214.0	221.0	214.0	238.5
Limit (dB)	33.8	33.6	33.8	33.0

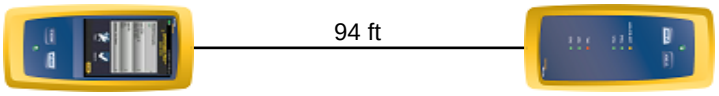
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-78	78-36
ACR-F (dB)	14.4	14.4	14.4	14.4
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	36	45	36	36
PS ACR-F (dB)	15.5	15.5	16.4	16.1
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

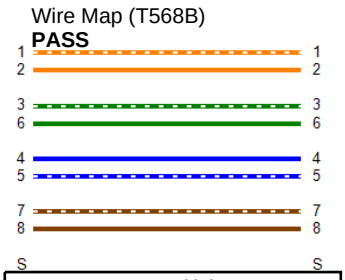
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	12-45
ACR-N (dB)	16.3	15.9	27.7	30.7
Freq. (MHz)	16.0	15.3	214.0	238.0
Limit (dB)	47.6	48.1	8.0	5.5
Worst Pair	78	78	36	45
PS ACR-N (dB)	18.5	16.9	29.6	30.8
Freq. (MHz)	16.0	15.1	214.0	239.0
Limit (dB)	45.2	45.8	5.4	2.7

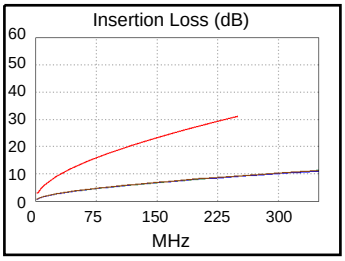
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	6.3	6.8	6.3	6.8
Freq. (MHz)	229.0	209.5	229.0	209.5
Limit (dB)	10.4	10.8	10.4	10.8

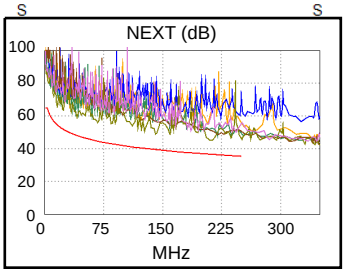
Compliant Network Standards:

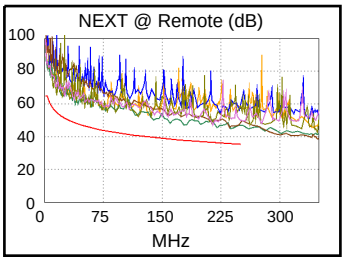
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

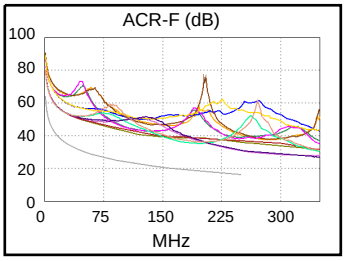


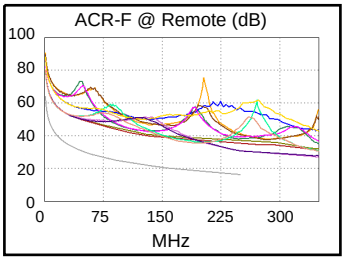


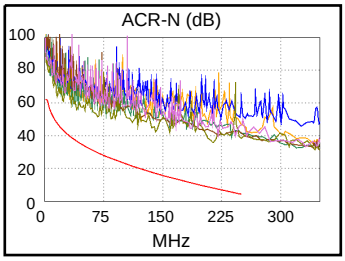


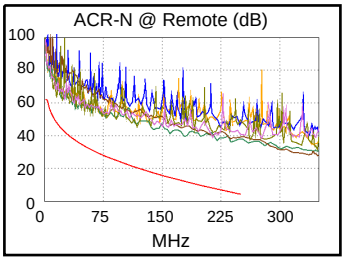


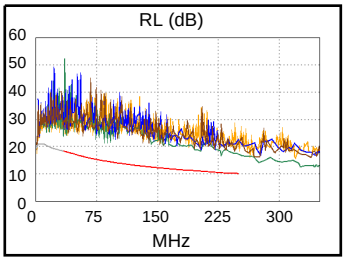


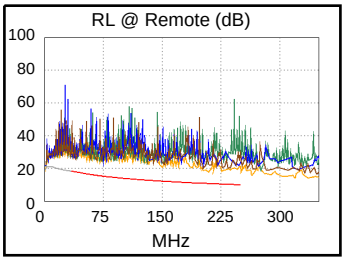












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 070

Date / Time: 05/03/2019 09:05:02 PM
Headroom 7.7 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	82
Prop. Delay (ns), Limit 498	[Pair 12]	128
Delay Skew (ns), Limit 44	[Pair 12]	7
Resistance (ohms)	[Pair 12]	3.90
Insertion Loss Margin (dB)	[Pair 36]	22.9
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-45
NEXT (dB)	11.1	7.7	11.1	8.0
Freq. (MHz)	250.0	103.5	250.0	249.5
Limit (dB)	35.3	41.6	35.3	35.4
Worst Pair	36	45	45	45
PS NEXT (dB)	11.1	7.5	11.2	8.1
Freq. (MHz)	237.5	225.0	249.5	242.0
Limit (dB)	33.1	33.5	32.7	32.9

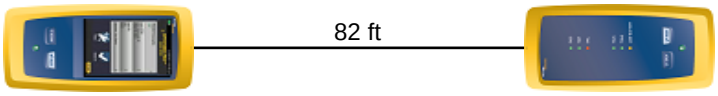
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-F (dB)	13.8	13.8	17.6	17.6
Freq. (MHz)	4.1	4.4	250.0	250.0
Limit (dB)	51.9	51.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.7	13.4	18.5	18.2
Freq. (MHz)	1.3	1.0	249.5	248.0
Limit (dB)	59.3	61.2	13.2	13.3

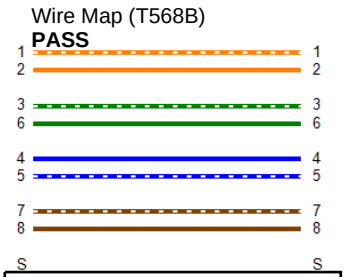
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	12-45
ACR-N (dB)	18.8	16.8	34.3	31.2
Freq. (MHz)	31.1	18.3	250.0	249.5
Limit (dB)	40.1	46.2	4.2	4.3
Worst Pair	36	36	45	45
PS ACR-N (dB)	18.8	17.5	34.3	30.8
Freq. (MHz)	17.1	24.3	249.5	242.0
Limit (dB)	44.5	40.6	1.7	2.4

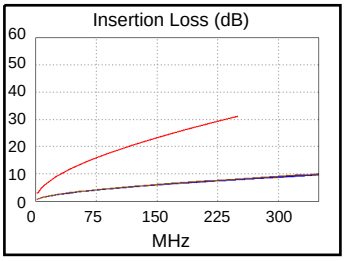
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.2	5.2	5.1	5.9
Freq. (MHz)	136.0	56.8	248.5	240.0
Limit (dB)	12.7	16.5	10.0	10.2

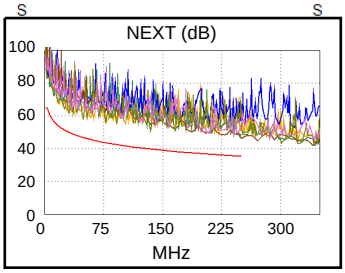
Compliant Network Standards:

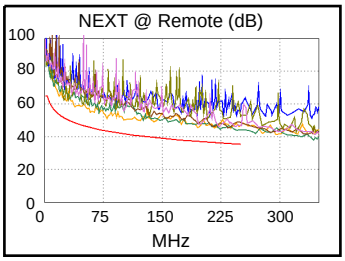
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

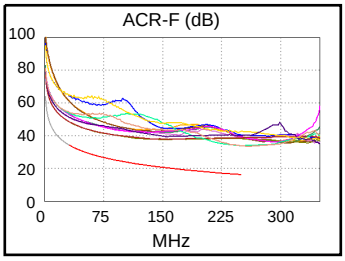


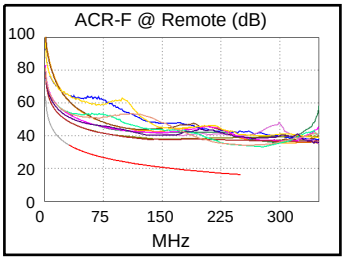


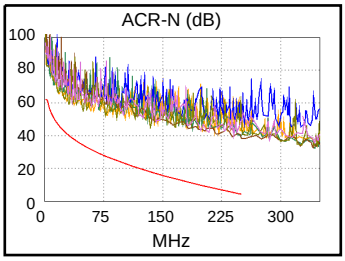


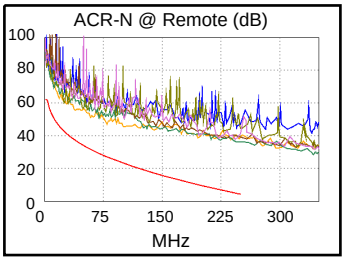


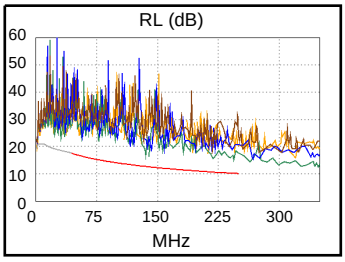


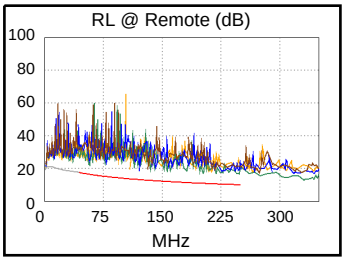












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 071

Date / Time: 05/03/2019 09:05:24 PM
Headroom 9.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	83
Prop. Delay (ns), Limit 498	[Pair 12]	129
Delay Skew (ns), Limit 44	[Pair 12]	7
Resistance (ohms)	[Pair 12]	3.97
Insertion Loss Margin (dB)	[Pair 78]	23.0
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	12-45	12-45
NEXT (dB)	10.5	9.1	11.3	11.0
Freq. (MHz)	210.5	98.0	241.5	250.0
Limit (dB)	36.6	42.0	35.6	35.3
Worst Pair	45	36	45	45
PS NEXT (dB)	10.2	9.9	10.8	11.3
Freq. (MHz)	210.5	98.0	234.5	247.0
Limit (dB)	34.0	39.4	33.2	32.8

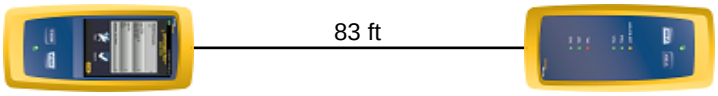
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	45-36
ACR-F (dB)	13.8	13.8	15.9	16.3
Freq. (MHz)	4.1	4.8	237.5	248.5
Limit (dB)	51.9	50.7	16.7	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.2	14.1	15.5	15.7
Freq. (MHz)	1.3	1.0	249.0	249.5
Limit (dB)	59.3	61.2	13.3	13.2

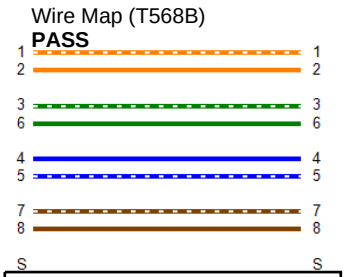
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
ACR-N (dB)	17.3	15.8	34.0	34.1
Freq. (MHz)	2.6	3.1	241.5	250.0
Limit (dB)	62.0	61.9	5.1	4.2
Worst Pair	78	36	45	45
PS ACR-N (dB)	19.7	18.2	33.9	34.3
Freq. (MHz)	15.0	3.1	242.5	247.0
Limit (dB)	45.9	58.9	2.4	1.9

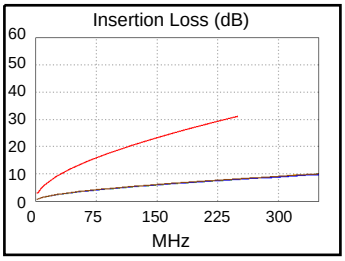
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.4	6.3	5.4	6.3
Freq. (MHz)	215.5	226.0	215.5	226.0
Limit (dB)	10.7	10.5	10.7	10.5

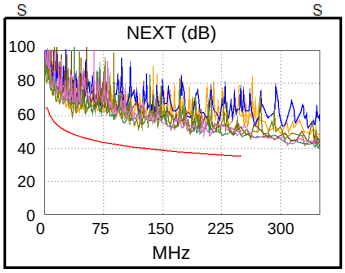
Compliant Network Standards:

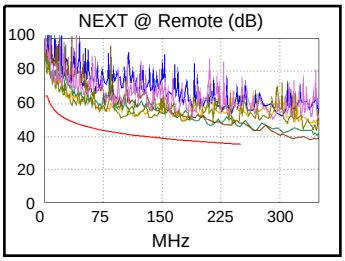
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

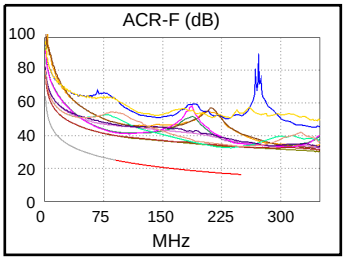


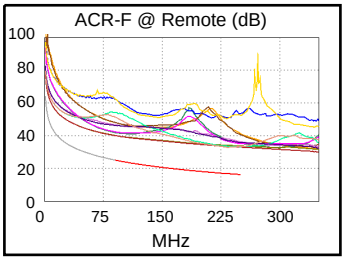


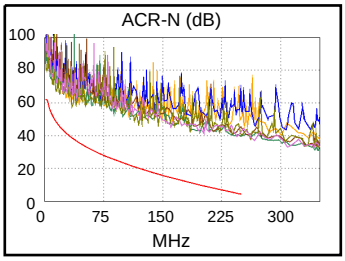


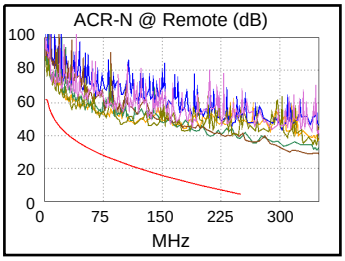


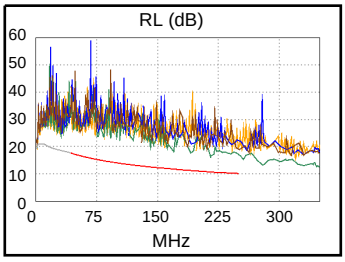


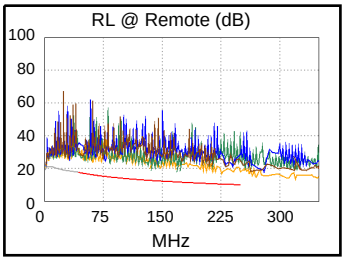












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 072

Date / Time: 05/24/2019 06:07:24 PM
Headroom 7.9 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	79
Prop. Delay (ns), Limit 498	[Pair 12]	125
Delay Skew (ns), Limit 44	[Pair 12]	8
Resistance (ohms)	[Pair 12]	3.83
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	248.5
Limit (dB)	[Pair 12]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	7.9	9.3	7.9	9.3
Freq. (MHz)	236.5	235.5	236.5	235.5
Limit (dB)	35.7	35.8	35.7	35.8
Worst Pair	45	45	45	45
PS NEXT (dB)	8.2	10.0	8.2	10.0
Freq. (MHz)	235.5	241.0	235.5	241.0
Limit (dB)	33.1	33.0	33.1	33.0

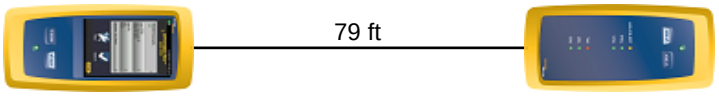
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	36-45	45-36
ACR-F (dB)	16.5	16.4	18.8	18.8
Freq. (MHz)	13.1	13.1	244.5	244.5
Limit (dB)	41.8	41.8	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.7	14.7	19.2	19.2
Freq. (MHz)	1.6	1.6	249.5	250.0
Limit (dB)	57.0	57.0	13.2	13.2

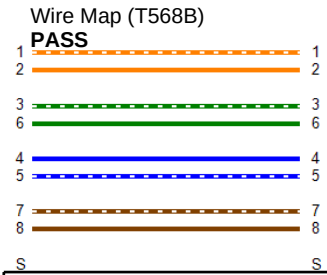
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-45
ACR-N (dB)	16.3	16.9	30.6	32.0
Freq. (MHz)	3.5	5.3	236.5	235.5
Limit (dB)	61.7	58.2	5.6	5.7
Worst Pair	36	12	45	45
PS ACR-N (dB)	16.5	17.0	30.8	32.9
Freq. (MHz)	3.6	4.5	235.5	241.0
Limit (dB)	58.6	57.3	3.1	2.5

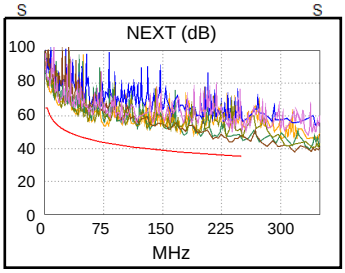
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	5.7	6.1	5.7	6.1
Freq. (MHz)	206.5	220.5	206.5	220.5
Limit (dB)	10.9	10.6	10.9	10.6

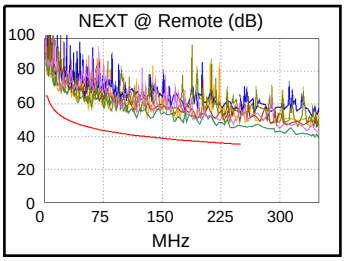
Compliant Network Standards:

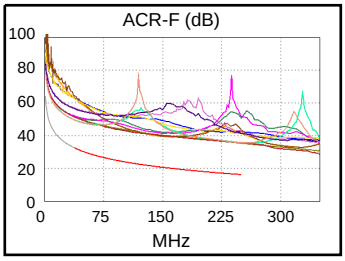
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

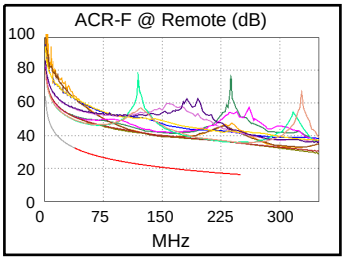


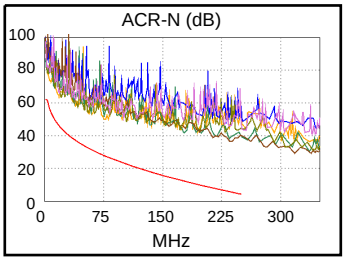


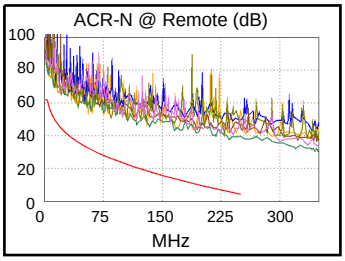


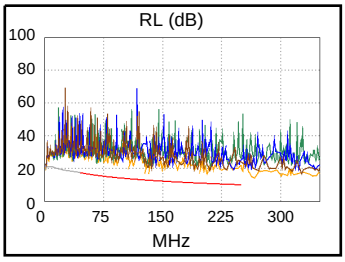


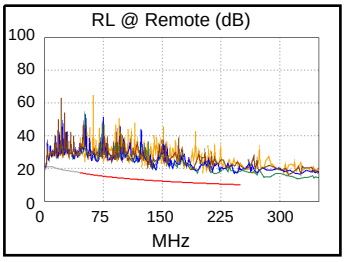












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 073

Date / Time: 05/03/2019 09:07:04 PM
Headroom 9.2 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	81
Prop. Delay (ns), Limit 498	[Pair 12]	126
Delay Skew (ns), Limit 44	[Pair 12]	7
Resistance (ohms)	[Pair 12]	3.83
Insertion Loss Margin (dB)	[Pair 36]	23.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-45	12-45
NEXT (dB)	11.9	9.2	12.2	9.2
Freq. (MHz)	45.5	244.5	245.0	244.5
Limit (dB)	47.4	35.5	35.5	35.5
Worst Pair	45	12	45	12
PS NEXT (dB)	11.1	11.0	11.1	11.0
Freq. (MHz)	241.5	244.5	241.5	244.5
Limit (dB)	33.0	32.9	33.0	32.9

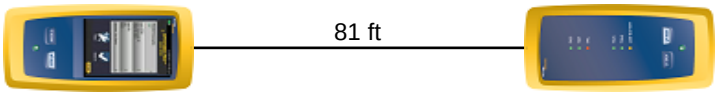
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-F (dB)	14.9	14.9	17.5	17.3
Freq. (MHz)	4.6	5.4	234.5	221.5
Limit (dB)	50.9	49.6	16.8	17.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.1	15.0	19.4	18.6
Freq. (MHz)	1.1	1.1	250.0	248.0
Limit (dB)	60.2	60.2	13.2	13.3

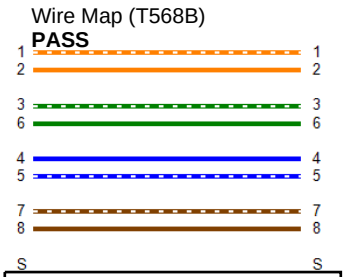
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	12-45
ACR-N (dB)	19.6	19.3	35.4	32.3
Freq. (MHz)	8.6	18.5	245.0	244.5
Limit (dB)	53.7	46.0	4.7	4.8
Worst Pair	45	78	45	45
PS ACR-N (dB)	21.1	20.8	34.1	34.3
Freq. (MHz)	5.1	18.5	241.5	247.5
Limit (dB)	56.1	43.6	2.5	1.9

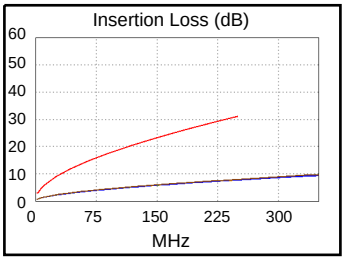
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.5	5.2	4.5	5.2
Freq. (MHz)	244.5	244.5	244.5	244.5
Limit (dB)	10.1	10.1	10.1	10.1

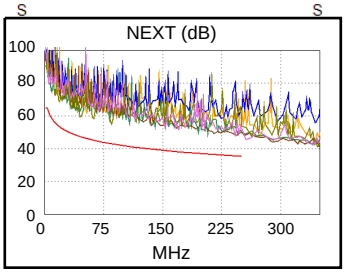
Compliant Network Standards:

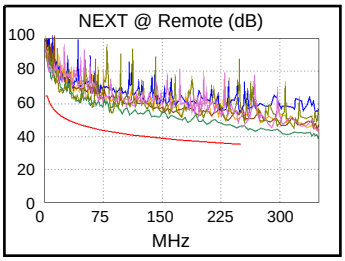
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

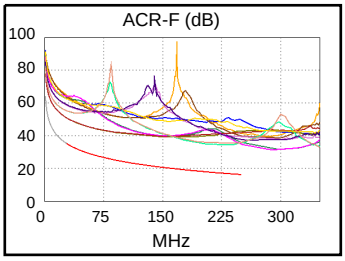


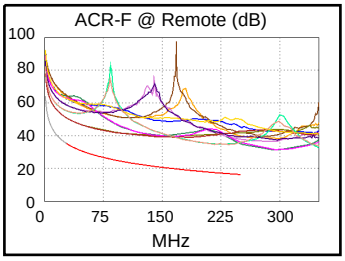


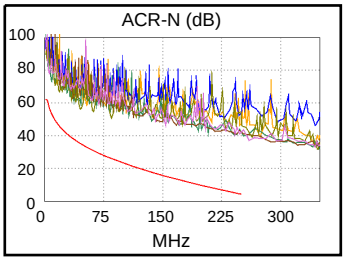


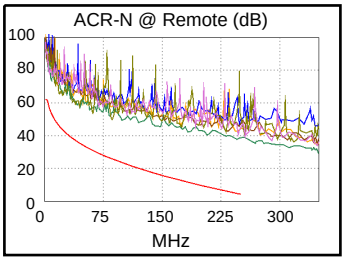


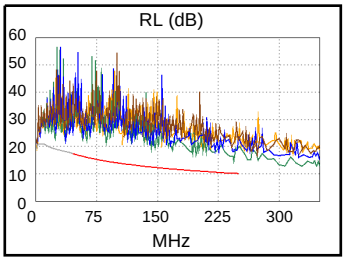


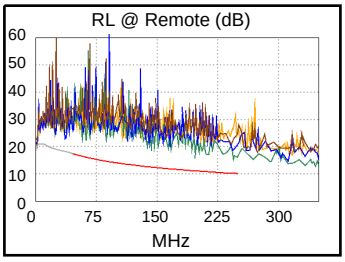












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 074

Date / Time: 05/24/2019 05:40:17 PM
Headroom 6.3 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	74
Prop. Delay (ns), Limit 498	[Pair 45]	116
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 36]	3.90
Insertion Loss Margin (dB)	[Pair 36]	22.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
NEXT (dB)	6.3	6.8	6.7	8.4
Freq. (MHz)	192.0	168.0	208.0	208.5
Limit (dB)	37.2	38.2	36.6	36.6
Worst Pair	36	36	36	36
PS NEXT (dB)	7.9	8.7	8.2	8.7
Freq. (MHz)	191.5	199.0	250.0	199.0
Limit (dB)	34.6	34.4	32.7	34.4

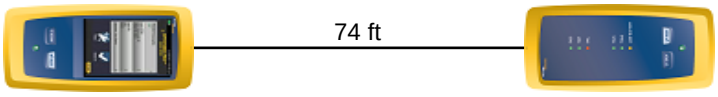
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	15.8	16.0	15.8	16.0
Freq. (MHz)	248.5	248.5	248.5	248.5
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	45	45	36	36
PS ACR-F (dB)	15.0	15.2	17.3	17.8
Freq. (MHz)	1.0	1.3	250.0	250.0
Limit (dB)	61.2	59.3	13.2	13.2

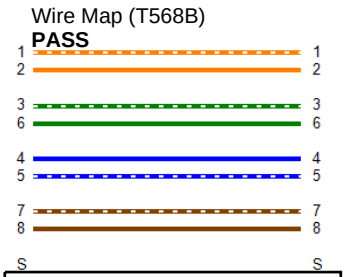
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	15.3	15.2	27.3	29.1
Freq. (MHz)	15.3	3.6	208.0	208.5
Limit (dB)	48.1	61.4	8.7	8.6
Worst Pair	12	12	36	45
PS ACR-N (dB)	15.6	16.0	31.1	32.2
Freq. (MHz)	14.9	3.6	250.0	234.5
Limit (dB)	45.9	58.6	1.6	3.2

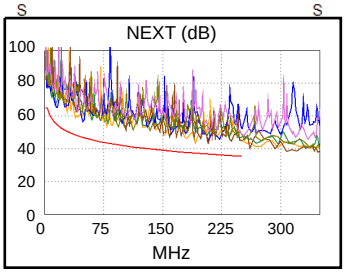
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	36
RL (dB)	5.4	4.0	5.5	4.0
Freq. (MHz)	217.5	194.5	246.5	194.5
Limit (dB)	10.6	11.1	10.1	11.1

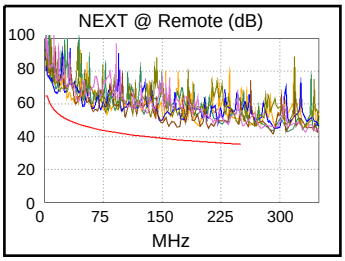
Compliant Network Standards:

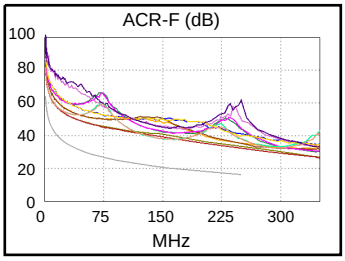
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

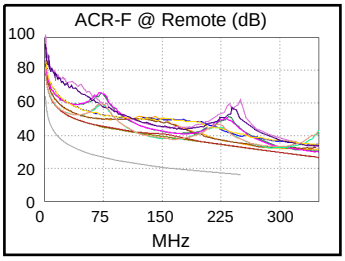


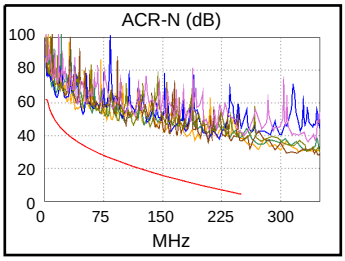


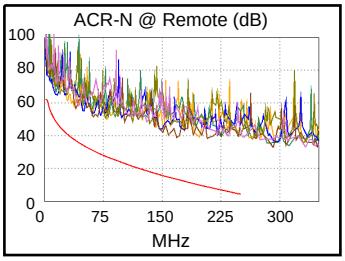


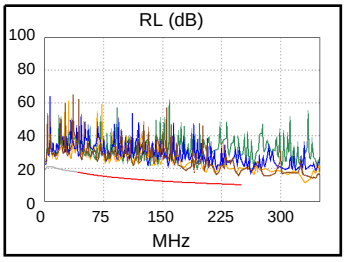


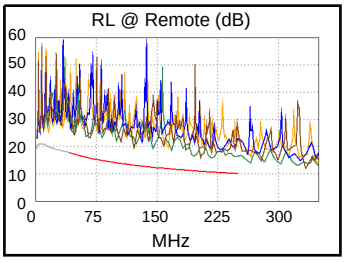












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 075

Date / Time: 05/24/2019 07:39:22 PM
Headroom 5.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	74
Prop. Delay (ns), Limit 498	[Pair 45]	116
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	3.85
Insertion Loss Margin (dB)	[Pair 36]	22.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	45-78
NEXT (dB)	5.2	5.1	5.2	5.1
Freq. (MHz)	245.0	244.0	245.0	244.0
Limit (dB)	35.5	35.5	35.5	35.5
Worst Pair	36	45	36	45
PS NEXT (dB)	7.1	5.1	7.1	5.1
Freq. (MHz)	245.0	244.0	245.0	244.0
Limit (dB)	32.9	32.9	32.9	32.9

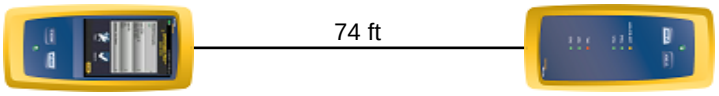
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	8.3	8.4	8.4	8.6
Freq. (MHz)	245.0	245.0	250.0	250.0
Limit (dB)	16.4	16.4	16.2	16.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	11.1	11.1	11.2	11.3
Freq. (MHz)	245.0	245.0	250.0	250.0
Limit (dB)	13.4	13.4	13.2	13.2

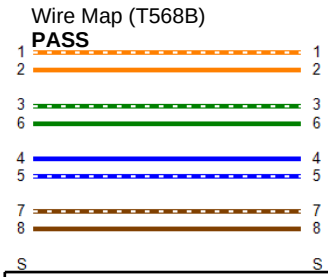
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	45-78
ACR-N (dB)	11.5	10.6	28.0	28.2
Freq. (MHz)	11.9	11.6	245.0	244.0
Limit (dB)	50.6	50.8	4.7	4.8
Worst Pair	78	78	36	45
PS ACR-N (dB)	13.1	12.3	29.8	27.9
Freq. (MHz)	11.6	11.6	245.0	244.0
Limit (dB)	48.5	48.5	2.1	2.2

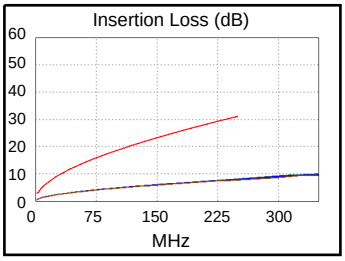
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	5.6	4.1	5.6	4.1
Freq. (MHz)	209.0	190.5	209.0	190.5
Limit (dB)	10.8	11.2	10.8	11.2

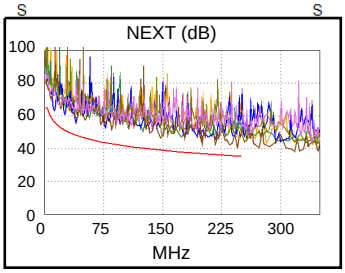
Compliant Network Standards:

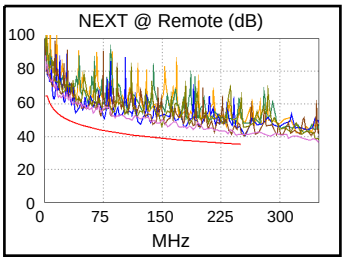
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

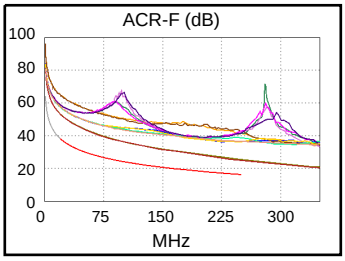


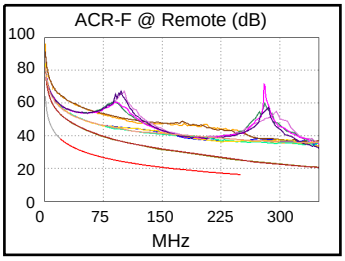


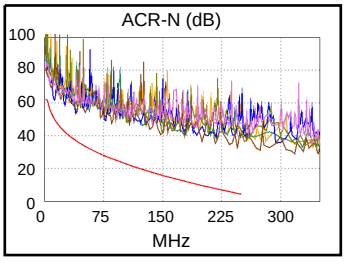


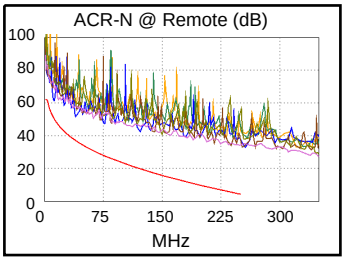


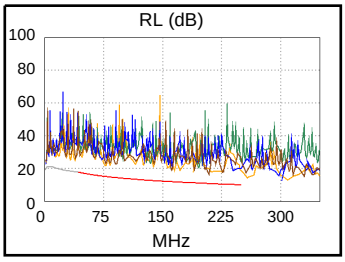


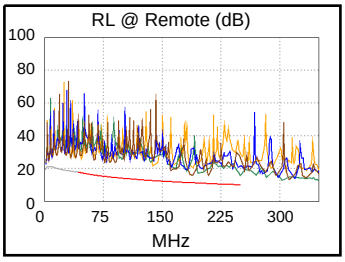












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 076

Date / Time: 05/03/2019 09:09:30 PM
Headroom 4.7 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	67
Prop. Delay (ns), Limit 498	[Pair 45]	105
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 36]	3.40
Insertion Loss Margin (dB)	[Pair 36]	23.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
NEXT (dB)	4.7	6.3	4.7	6.3
Freq. (MHz)	230.0	250.0	230.0	250.0
Limit (dB)	35.9	35.3	35.9	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	5.2	6.8	5.4	6.8
Freq. (MHz)	231.0	250.0	250.0	250.0
Limit (dB)	33.3	32.7	32.7	32.7

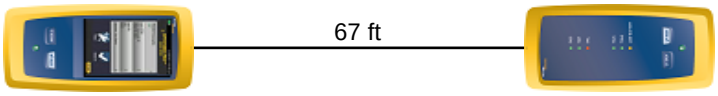
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	78-45	45-78
ACR-F (dB)	12.7	12.7	17.0	16.9
Freq. (MHz)	3.6	3.6	177.5	177.5
Limit (dB)	53.0	53.0	19.2	19.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.0	13.0	17.4	17.1
Freq. (MHz)	1.3	1.1	177.5	172.5
Limit (dB)	59.3	60.2	16.2	16.5

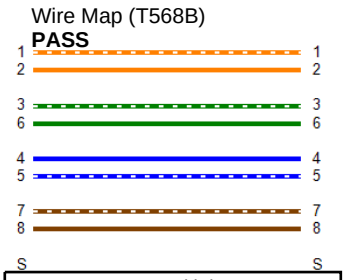
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-45
ACR-N (dB)	15.3	16.3	27.8	30.3
Freq. (MHz)	14.8	14.5	230.5	250.0
Limit (dB)	48.4	48.6	6.2	4.2
Worst Pair	12	12	45	45
PS ACR-N (dB)	17.3	18.0	29.4	30.8
Freq. (MHz)	14.8	14.5	250.0	250.0
Limit (dB)	46.0	46.2	1.6	1.6

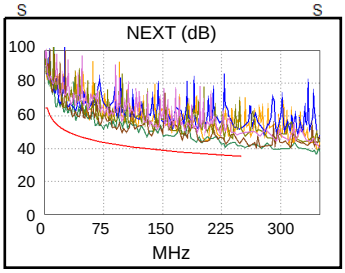
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	6.2	7.4	6.2	8.2
Freq. (MHz)	234.0	87.8	234.0	245.5
Limit (dB)	10.3	14.6	10.3	10.1

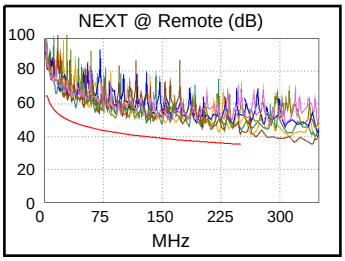
Compliant Network Standards:

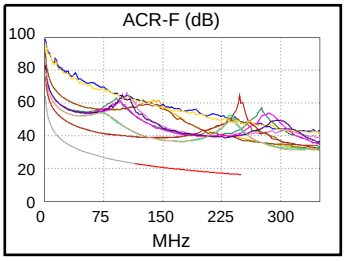
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

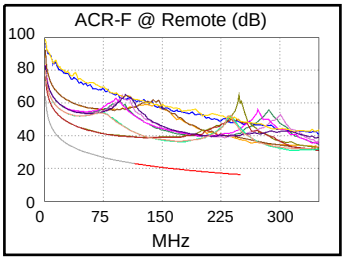


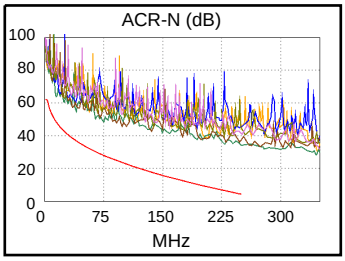


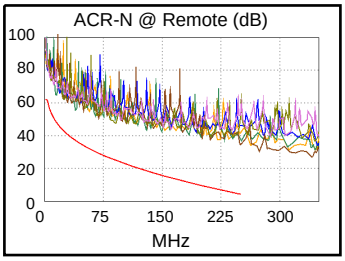


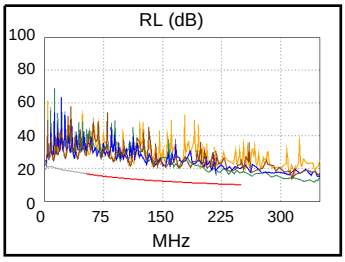


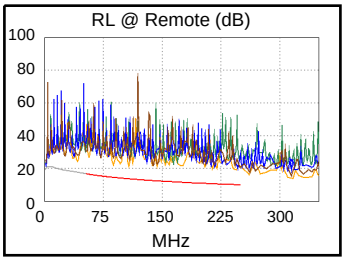












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 077

Date / Time: 05/24/2019 05:41:27 PM
Headroom 6.0 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	67
Prop. Delay (ns), Limit 498	[Pair 45]	104
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 45]	3.55
Insertion Loss Margin (dB)	[Pair 36]	23.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	6.0	7.3	6.8	7.3
Freq. (MHz)	173.0	238.0	222.0	238.0
Limit (dB)	38.0	35.7	36.2	35.7
Worst Pair	36	36	36	36
PS NEXT (dB)	6.2	8.6	7.0	8.6
Freq. (MHz)	173.0	243.5	233.0	243.5
Limit (dB)	35.4	32.9	33.2	32.9

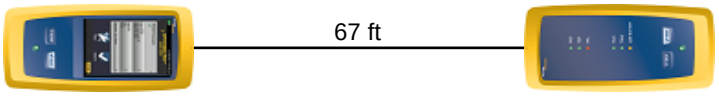
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-12	12-78
ACR-F (dB)	15.1	15.1	18.4	18.1
Freq. (MHz)	4.8	4.8	249.5	245.5
Limit (dB)	50.7	50.7	16.2	16.4
Worst Pair	45	45	78	78
PS ACR-F (dB)	13.2	13.2	16.6	16.5
Freq. (MHz)	1.0	1.3	202.5	202.5
Limit (dB)	61.2	59.3	15.1	15.1

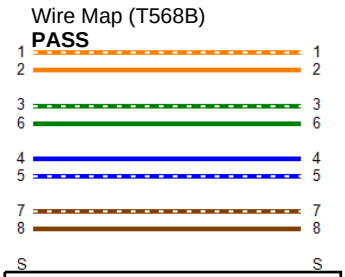
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-36	12-36
ACR-N (dB)	15.8	16.2	31.1	30.7
Freq. (MHz)	13.1	24.1	238.5	238.5
Limit (dB)	49.6	43.1	5.4	5.4
Worst Pair	78	36	36	36
PS ACR-N (dB)	16.5	16.7	30.0	32.2
Freq. (MHz)	11.9	4.1	233.0	243.5
Limit (dB)	48.2	58.0	3.4	2.3

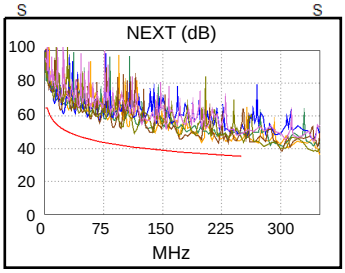
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	6.8	5.4	6.8	5.4
Freq. (MHz)	246.5	221.5	246.5	221.5
Limit (dB)	10.1	10.5	10.1	10.5

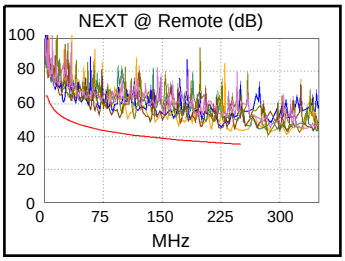
Compliant Network Standards:

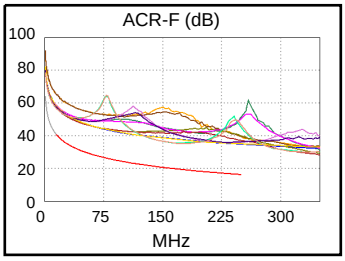
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

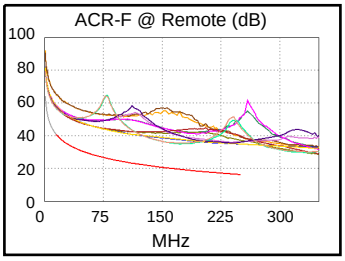


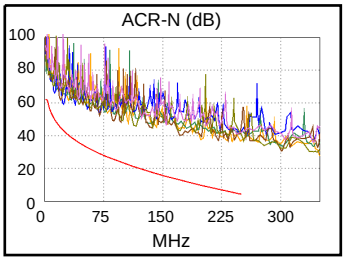


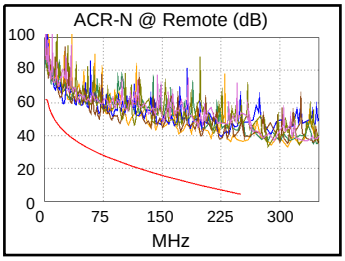


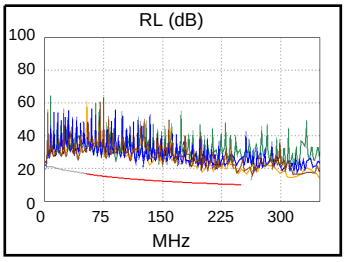


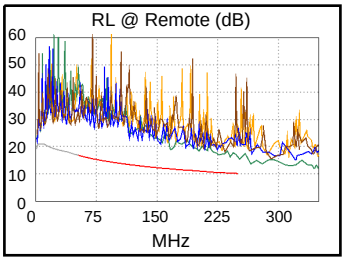












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 078

Date / Time: 05/03/2019 09:10:46 PM
Headroom 3.7 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	75
Prop. Delay (ns), Limit 498	[Pair 45]	117
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	3.84
Insertion Loss Margin (dB)	[Pair 45]	22.9
Frequency (MHz)	[Pair 45]	248.5
Limit (dB)	[Pair 45]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	3.7	5.6	5.4	5.6
Freq. (MHz)	189.0	246.0	250.0	246.0
Limit (dB)	37.3	35.5	35.3	35.5
Worst Pair	36	45	36	45
PS NEXT (dB)	5.3	6.8	5.3	6.8
Freq. (MHz)	245.5	246.0	245.5	246.0
Limit (dB)	32.8	32.8	32.8	32.8

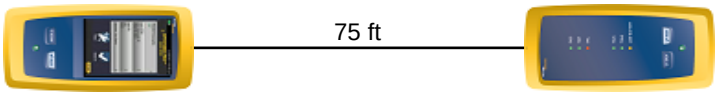
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-12	12-36
ACR-F (dB)	12.5	12.5	15.7	15.5
Freq. (MHz)	3.5	4.8	250.0	250.0
Limit (dB)	53.3	50.7	16.2	16.2
Worst Pair	36	36	12	36
PS ACR-F (dB)	12.8	12.8	18.5	18.0
Freq. (MHz)	1.3	1.0	249.5	250.0
Limit (dB)	59.3	61.2	13.2	13.2

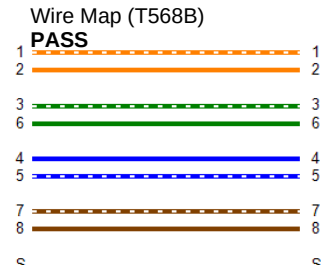
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
ACR-N (dB)	16.6	17.4	28.5	28.6
Freq. (MHz)	31.3	11.5	250.0	246.0
Limit (dB)	40.0	50.9	4.2	4.6
Worst Pair	36	36	36	45
PS ACR-N (dB)	17.7	18.2	28.2	29.7
Freq. (MHz)	32.0	11.5	245.5	246.0
Limit (dB)	37.3	48.6	2.1	2.0

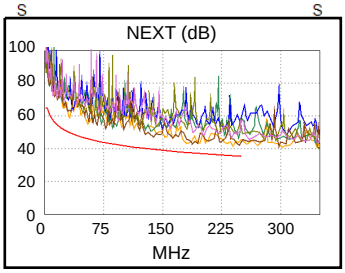
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	78
RL (dB)	4.1	5.8	4.1	6.0
Freq. (MHz)	208.5	192.0	208.5	240.0
Limit (dB)	10.8	11.2	10.8	10.2

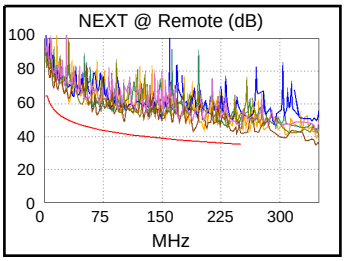
Compliant Network Standards:

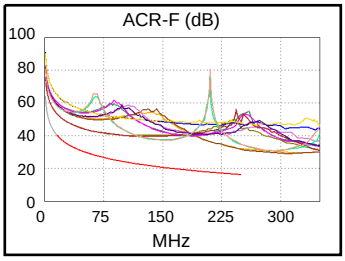
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

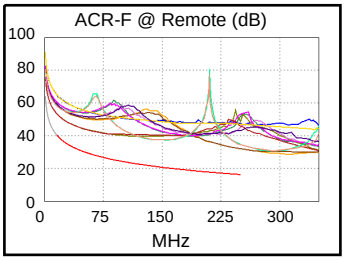


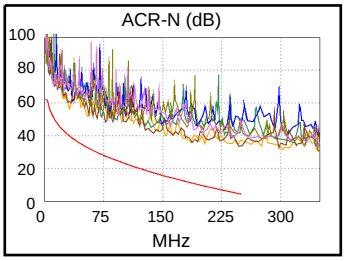


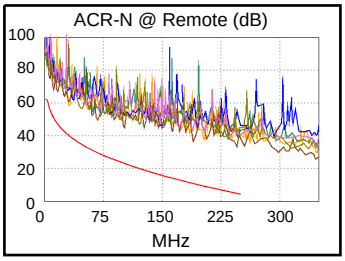


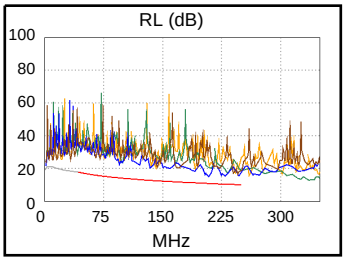


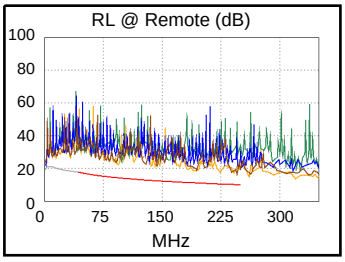












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 079

Date / Time: 05/03/2019 09:14:08 PM
Headroom 4.4 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	74
Prop. Delay (ns), Limit 498	[Pair 45]	117
Delay Skew (ns), Limit 44	[Pair 45]	8
Resistance (ohms)	[Pair 45]	3.88
Insertion Loss Margin (dB)	[Pair 78]	23.0
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
NEXT (dB)	4.4	4.8	4.4	5.0
Freq. (MHz)	199.0	199.0	199.0	211.0
Limit (dB)	37.0	37.0	37.0	36.5
Worst Pair	36	36	36	12
PS NEXT (dB)	6.5	6.2	6.5	7.0
Freq. (MHz)	199.0	211.5	199.0	249.5
Limit (dB)	34.4	33.9	34.4	32.7

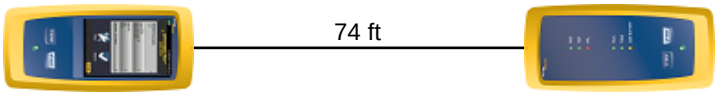
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	11.6	11.5	11.8	11.7
Freq. (MHz)	246.5	246.5	250.0	250.0
Limit (dB)	16.4	16.4	16.2	16.2
Worst Pair	45	36	45	36
PS ACR-F (dB)	13.9	13.8	13.9	13.8
Freq. (MHz)	249.5	250.0	249.5	250.0
Limit (dB)	13.2	13.2	13.2	13.2

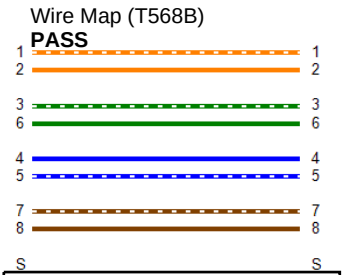
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-36	36-45
ACR-N (dB)	16.0	16.8	24.7	29.8
Freq. (MHz)	10.9	9.9	199.0	247.0
Limit (dB)	51.5	52.4	9.7	4.5
Worst Pair	45	45	36	12
PS ACR-N (dB)	18.0	16.9	26.8	30.1
Freq. (MHz)	11.0	10.1	199.0	249.5
Limit (dB)	49.0	49.8	7.1	1.7

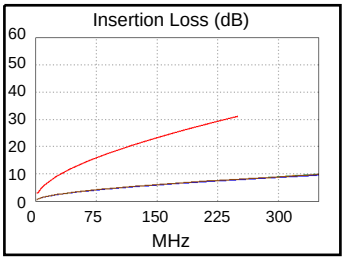
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	4.7	7.1	4.7	7.1
Freq. (MHz)	232.5	235.5	232.5	235.5
Limit (dB)	10.3	10.3	10.3	10.3

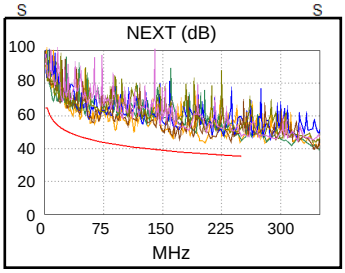
Compliant Network Standards:

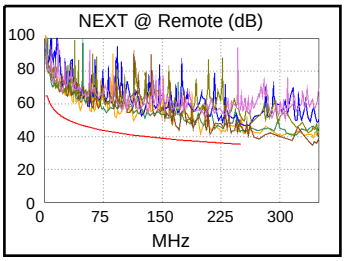
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

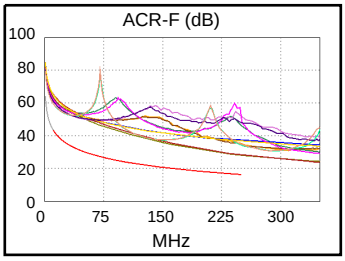


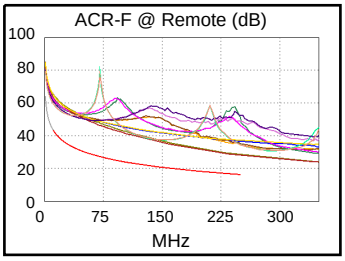


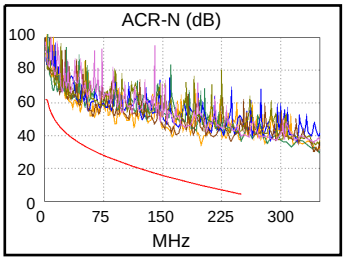


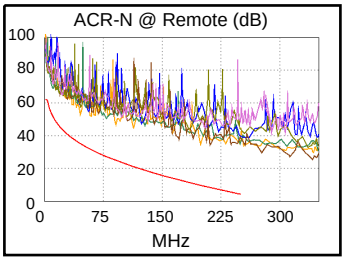


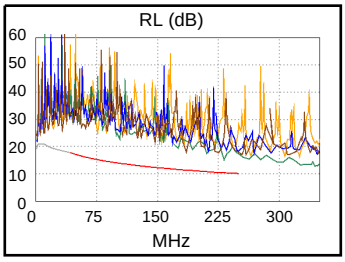


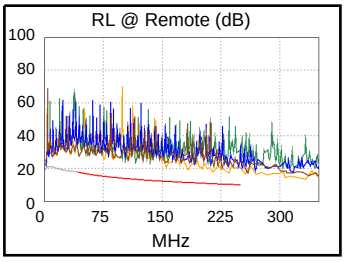












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 080

Date / Time: 05/03/2019 09:29:12 PM
Headroom 7.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	86
Prop. Delay (ns), Limit 498	[Pair 45]	135
Delay Skew (ns), Limit 44	[Pair 45]	8
Resistance (ohms)	[Pair 36]	4.41
Insertion Loss Margin (dB)	[Pair 78]	21.8
Frequency (MHz)	[Pair 78]	249.5
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	7.6	7.7	7.6	7.8
Freq. (MHz)	246.5	225.5	246.5	226.5
Limit (dB)	35.4	36.1	35.4	36.0
Worst Pair	45	12	45	12
PS NEXT (dB)	9.2	8.4	9.2	8.4
Freq. (MHz)	247.0	227.5	247.0	227.5
Limit (dB)	32.8	33.4	32.8	33.4

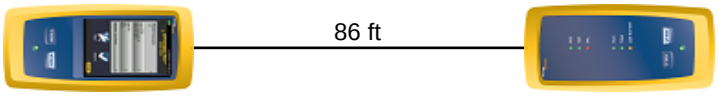
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-F (dB)	9.8	9.8	15.7	15.8
Freq. (MHz)	2.5	2.5	247.5	247.5
Limit (dB)	56.2	56.2	16.3	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	11.0	11.1	17.2	17.6
Freq. (MHz)	1.3	1.3	250.0	250.0
Limit (dB)	59.3	59.3	13.2	13.2

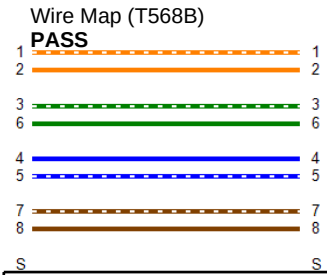
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
ACR-N (dB)	14.8	14.2	29.4	28.6
Freq. (MHz)	7.4	11.9	246.5	226.5
Limit (dB)	55.2	50.6	4.6	6.7
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.6	15.3	31.1	31.2
Freq. (MHz)	7.5	7.9	247.0	247.5
Limit (dB)	52.7	52.2	1.9	1.9

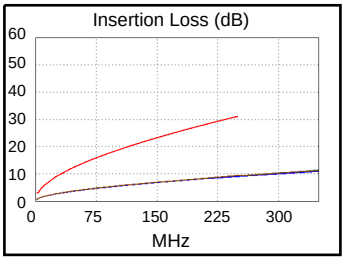
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	12	78
RL (dB)	6.4	7.1	6.5	7.1
Freq. (MHz)	224.0	248.0	249.0	248.0
Limit (dB)	10.5	10.1	10.0	10.1

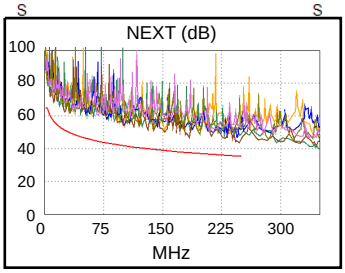
Compliant Network Standards:

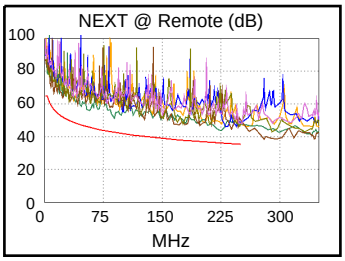
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

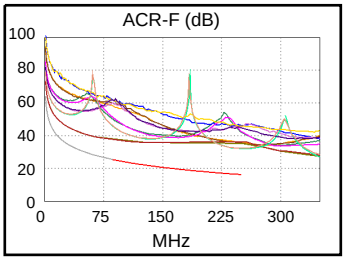


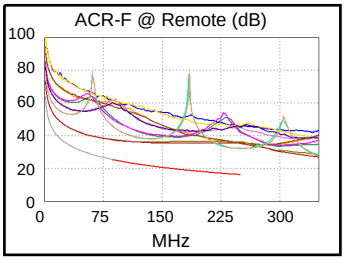


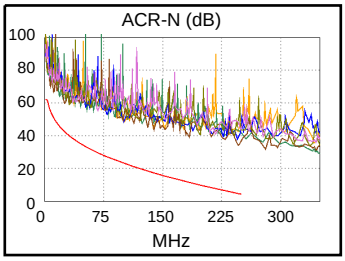


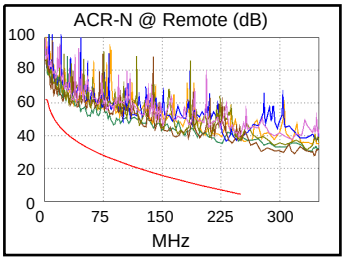


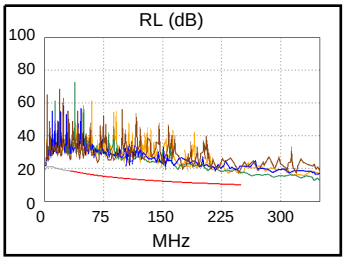


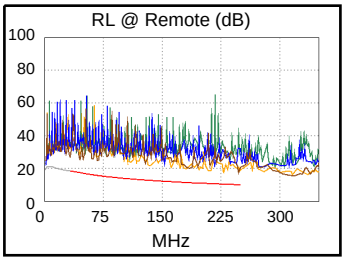












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 081

Date / Time: 05/03/2019 09:29:52 PM
Headroom 5.0 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	84
Prop. Delay (ns), Limit 498	[Pair 45]	131
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	4.35
Insertion Loss Margin (dB)	[Pair 36]	22.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	36-45
NEXT (dB)	5.0	6.5	5.0	7.0
Freq. (MHz)	234.5	225.0	234.5	246.0
Limit (dB)	35.8	36.1	35.8	35.5
Worst Pair	45	12	45	45
PS NEXT (dB)	6.4	7.3	6.5	7.4
Freq. (MHz)	222.0	222.5	235.0	234.5
Limit (dB)	33.6	33.5	33.2	33.2

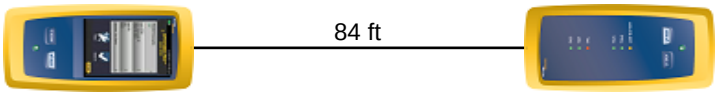
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	16.1	15.9	16.8	16.7
Freq. (MHz)	137.0	125.0	250.0	250.0
Limit (dB)	21.5	22.3	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.1	14.9	17.6	18.4
Freq. (MHz)	1.1	1.0	250.0	250.0
Limit (dB)	60.2	61.2	13.2	13.2

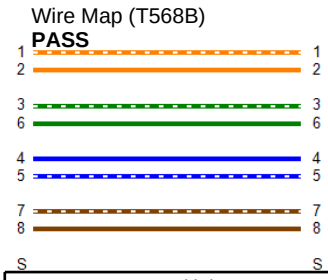
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
ACR-N (dB)	14.1	14.4	26.6	29.2
Freq. (MHz)	16.3	16.1	235.0	246.5
Limit (dB)	47.4	47.5	5.8	4.6
Worst Pair	45	36	45	45
PS ACR-N (dB)	14.9	15.3	28.1	29.0
Freq. (MHz)	16.5	16.6	235.0	234.5
Limit (dB)	44.9	44.8	3.1	3.2

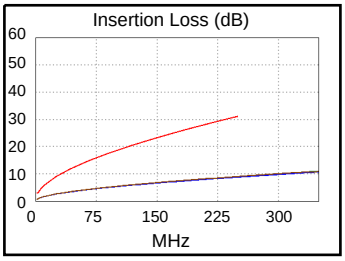
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.3	6.9	5.3	7.3
Freq. (MHz)	218.0	40.8	218.0	195.0
Limit (dB)	10.6	17.9	10.6	11.1

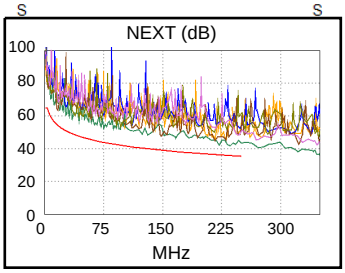
Compliant Network Standards:

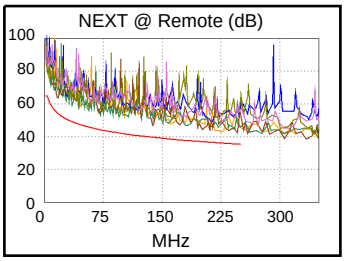
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

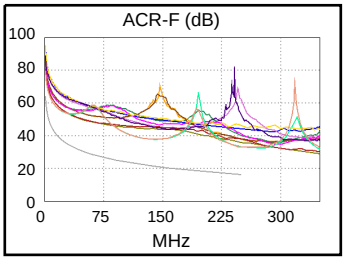


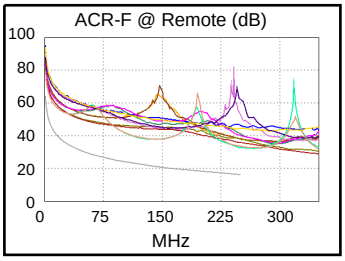


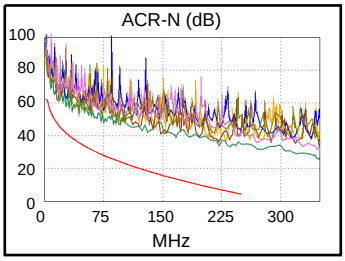


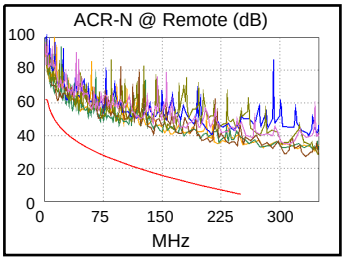


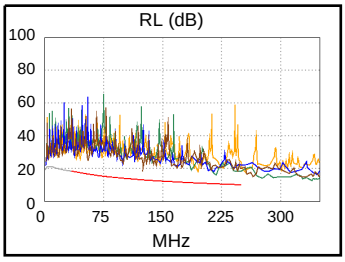


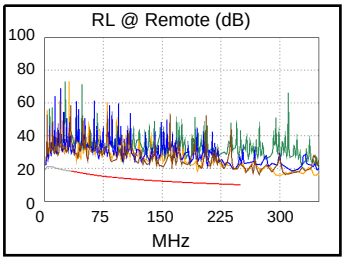












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 082

Date / Time: 05/03/2019 09:31:03 PM
Headroom 1.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	86
Prop. Delay (ns), Limit 498	[Pair 12]	137
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	4.29
Insertion Loss Margin (dB)	[Pair 45]	21.5
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-78
NEXT (dB)	1.6	8.7	1.6	8.7
Freq. (MHz)	155.0	243.5	155.0	243.5
Limit (dB)	38.7	35.5	38.7	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	3.9	7.5	6.5	7.5
Freq. (MHz)	155.0	247.0	228.0	247.0
Limit (dB)	36.2	32.8	33.4	32.8

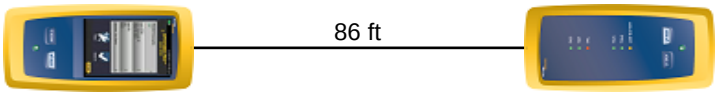
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	36-45	78-45
ACR-F (dB)	11.3	11.3	14.2	14.5
Freq. (MHz)	3.3	3.1	250.0	250.0
Limit (dB)	54.0	54.3	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	10.2	10.2	14.6	14.8
Freq. (MHz)	1.1	1.0	250.0	249.0
Limit (dB)	60.2	61.2	13.2	13.3

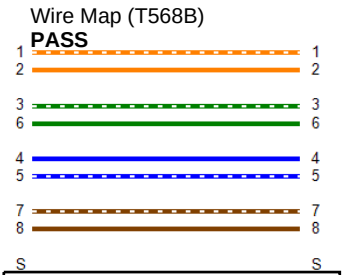
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-45
ACR-N (dB)	11.8	14.4	27.0	30.7
Freq. (MHz)	13.0	3.5	228.0	247.5
Limit (dB)	49.7	61.7	6.5	4.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.9	15.9	27.2	29.0
Freq. (MHz)	13.0	3.9	228.0	247.0
Limit (dB)	47.3	58.5	3.9	1.9

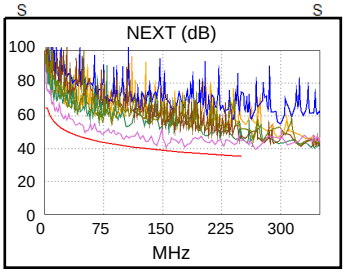
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.4	6.3	5.4	6.3
Freq. (MHz)	247.5	224.5	247.5	224.5
Limit (dB)	10.1	10.5	10.1	10.5

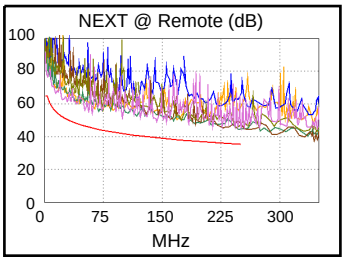
Compliant Network Standards:

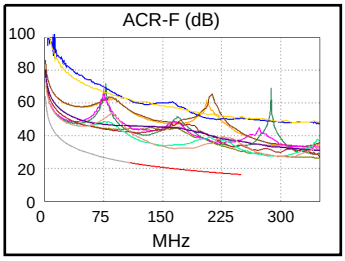
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

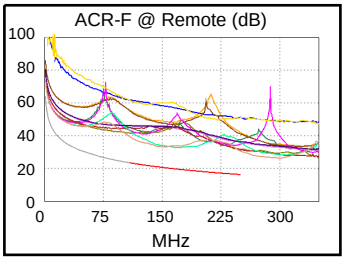


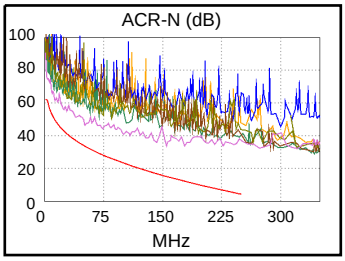


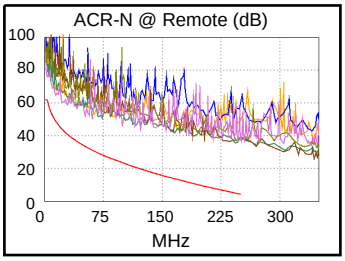


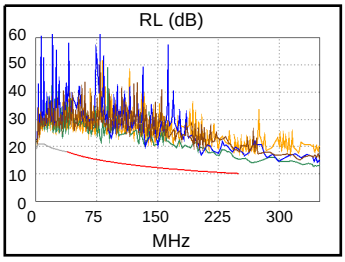


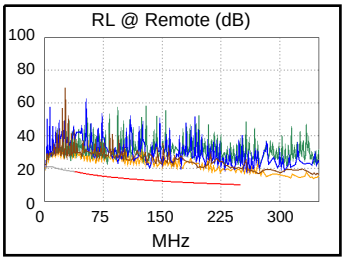












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 083

Date / Time: 05/03/2019 09:31:24 PM
Headroom 8.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	88
Prop. Delay (ns), Limit 498	[Pair 12]	138
Delay Skew (ns), Limit 44	[Pair 12]	8
Resistance (ohms)	[Pair 12]	4.26
Insertion Loss Margin (dB)	[Pair 12]	22.5
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-36	12-45
NEXT (dB)	9.8	8.5	9.9	8.6
Freq. (MHz)	104.0	246.0	203.0	246.5
Limit (dB)	41.6	35.5	36.8	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	9.7	8.9	9.9	9.0
Freq. (MHz)	233.0	233.0	240.5	248.5
Limit (dB)	33.2	33.2	33.0	32.7

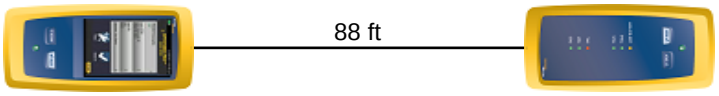
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	78-45
ACR-F (dB)	15.1	15.0	15.6	15.7
Freq. (MHz)	6.3	5.3	208.5	208.5
Limit (dB)	48.3	49.8	17.8	17.8
Worst Pair	45	45	78	45
PS ACR-F (dB)	13.7	13.9	18.4	17.6
Freq. (MHz)	1.0	1.0	225.0	225.0
Limit (dB)	61.2	61.2	14.1	14.1

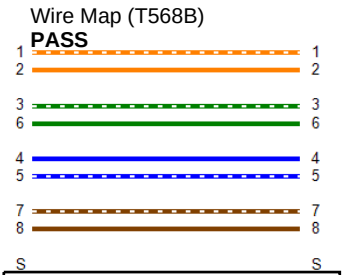
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	12-45
ACR-N (dB)	18.1	16.7	33.3	30.9
Freq. (MHz)	8.8	8.8	240.5	246.5
Limit (dB)	53.6	53.6	5.2	4.6
Worst Pair	45	36	36	36
PS ACR-N (dB)	19.1	17.8	32.0	31.4
Freq. (MHz)	4.3	7.8	240.5	248.5
Limit (dB)	57.8	52.4	2.6	1.8

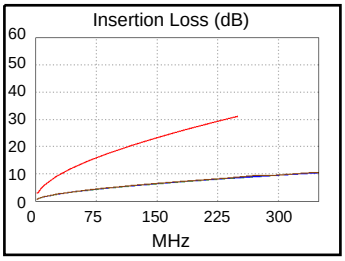
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	6.7	7.3	6.7	7.4
Freq. (MHz)	241.5	219.5	241.5	245.5
Limit (dB)	10.2	10.6	10.2	10.1

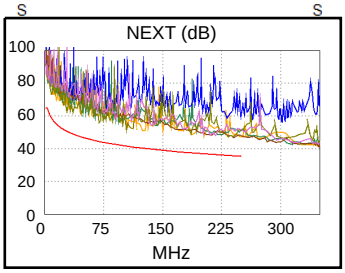
Compliant Network Standards:

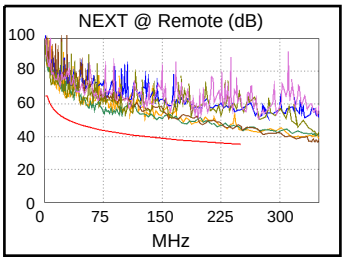
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

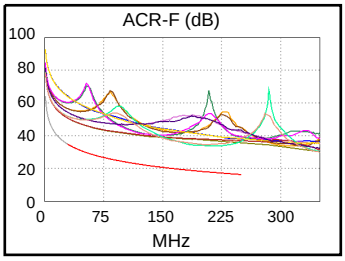


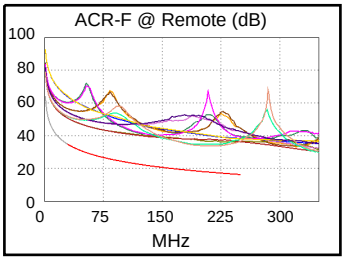


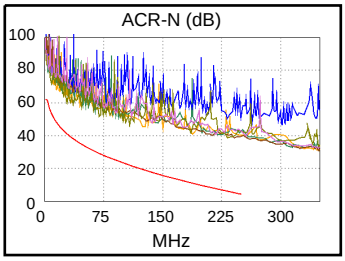


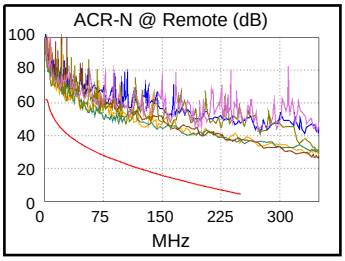


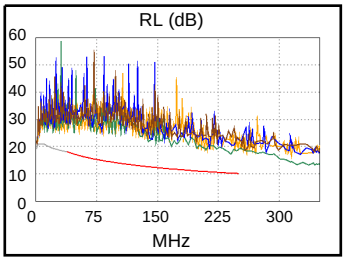


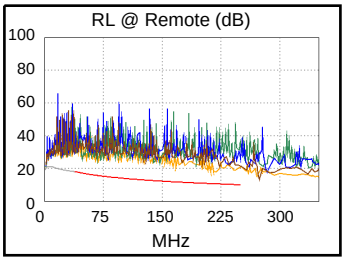












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 084

Date / Time: 05/03/2019 09:32:19 PM
Headroom 2.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	105
Prop. Delay (ns), Limit 498	[Pair 12]	167
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	5.12
Insertion Loss Margin (dB)	[Pair 45]	19.8
Frequency (MHz)	[Pair 45]	249.0
Limit (dB)	[Pair 45]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	2.6	7.7	3.1	8.3
Freq. (MHz)	182.5	207.5	249.0	243.5
Limit (dB)	37.6	36.7	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	4.5	8.8	4.5	8.8
Freq. (MHz)	248.5	243.0	248.5	243.0
Limit (dB)	32.7	32.9	32.7	32.9

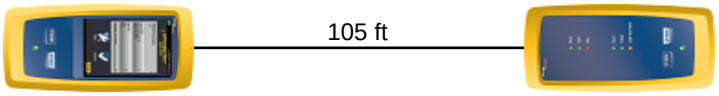
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	45-78
ACR-F (dB)	12.2	12.5	12.2	13.2
Freq. (MHz)	241.0	112.5	241.0	241.0
Limit (dB)	16.5	23.2	16.5	16.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.6	14.4	12.7	14.7
Freq. (MHz)	241.0	240.0	248.0	249.5
Limit (dB)	13.5	13.6	13.3	13.2

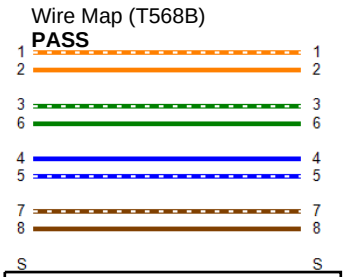
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	11.4	12.6	23.9	28.7
Freq. (MHz)	7.8	7.6	249.5	243.5
Limit (dB)	54.7	54.8	4.3	4.9
Worst Pair	78	78	45	45
PS ACR-N (dB)	13.4	14.3	24.2	28.4
Freq. (MHz)	7.8	7.6	248.5	243.0
Limit (dB)	52.4	52.5	1.8	2.3

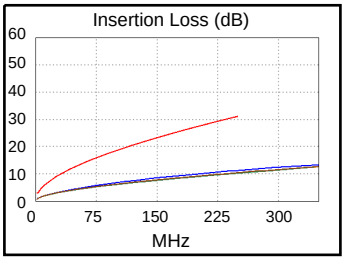
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.7	7.3	6.2	7.3
Freq. (MHz)	157.5	242.5	224.0	242.5
Limit (dB)	12.0	10.2	10.5	10.2

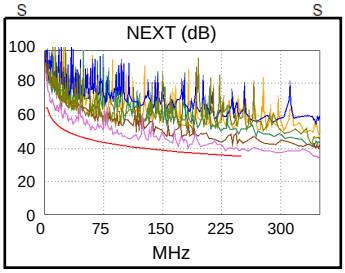
Compliant Network Standards:

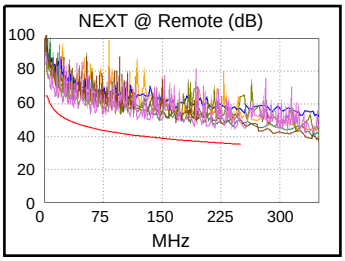
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

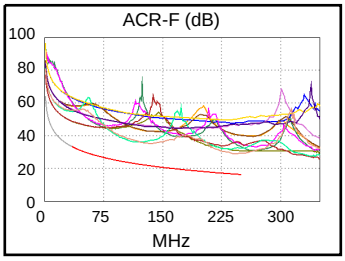


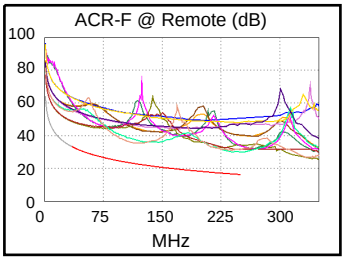


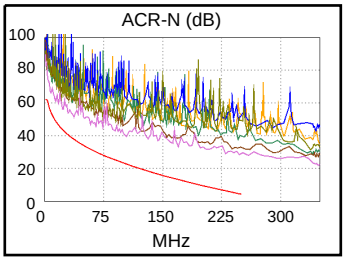


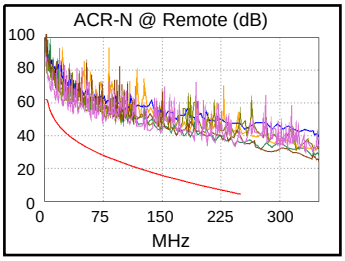


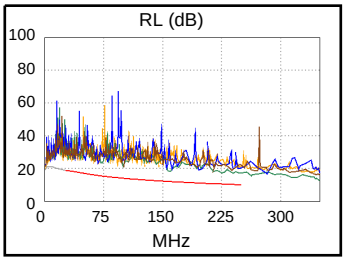


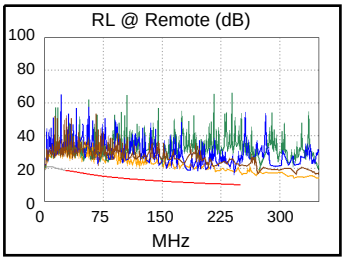












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 085

Date / Time: 05/03/2019 09:32:43 PM
Headroom 9.1 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	110
Prop. Delay (ns), Limit 498	[Pair 12]	172
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	5.26
Insertion Loss Margin (dB)	[Pair 78]	20.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	11.8	9.1	11.8	9.2
Freq. (MHz)	239.0	233.5	239.0	240.0
Limit (dB)	35.7	35.8	35.7	35.6
Worst Pair	36	45	36	45
PS NEXT (dB)	12.7	9.2	12.7	9.8
Freq. (MHz)	239.0	216.5	239.0	248.0
Limit (dB)	33.0	33.7	33.0	32.8

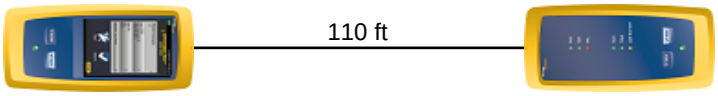
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-36	36-78
ACR-F (dB)	13.8	13.7	19.4	19.3
Freq. (MHz)	4.8	4.8	248.5	248.5
Limit (dB)	50.7	50.7	16.3	16.3
Worst Pair	36	36	36	78
PS ACR-F (dB)	14.0	14.2	20.5	20.4
Freq. (MHz)	1.0	1.4	248.5	248.5
Limit (dB)	61.2	58.4	13.3	13.3

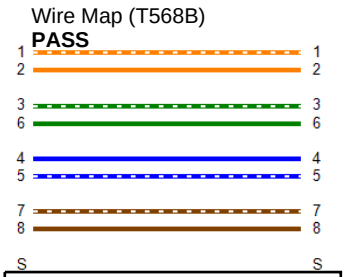
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-78	12-45
ACR-N (dB)	18.1	17.2	31.7	29.4
Freq. (MHz)	12.1	11.8	239.0	240.5
Limit (dB)	50.4	50.7	5.4	5.2
Worst Pair	45	45	36	45
PS ACR-N (dB)	18.9	18.7	32.7	30.3
Freq. (MHz)	12.9	11.8	239.0	248.0
Limit (dB)	47.4	48.4	2.7	1.8

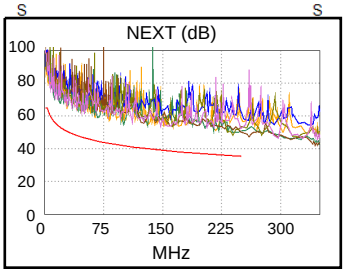
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.2	6.5	5.2	6.6
Freq. (MHz)	243.0	141.0	243.0	212.0
Limit (dB)	10.1	12.5	10.1	10.7

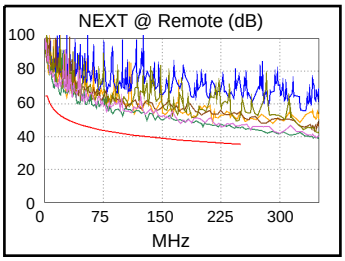
Compliant Network Standards:

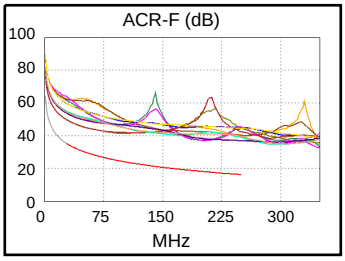
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

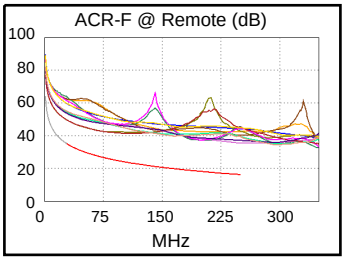


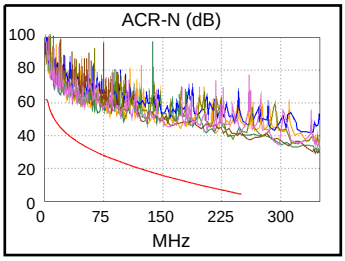


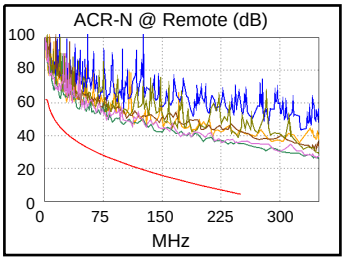


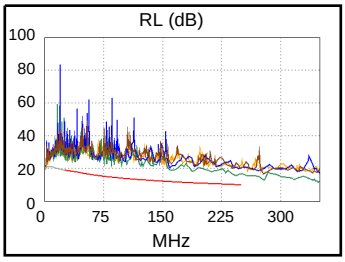


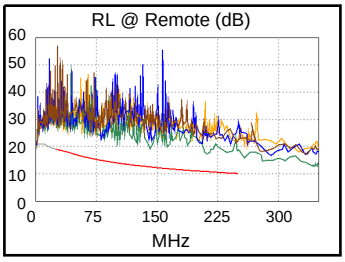












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 086

Date / Time: 05/03/2019 09:33:25 PM
Headroom 5.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	113
Prop. Delay (ns), Limit 498	[Pair 45]	178
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	5.82
Insertion Loss Margin (dB)	[Pair 36]	19.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	5.1	6.6	5.1	6.6
Freq. (MHz)	234.0	240.5	234.0	240.5
Limit (dB)	35.8	35.6	35.8	35.6
Worst Pair	78	45	78	45
PS NEXT (dB)	5.4	7.8	5.5	8.4
Freq. (MHz)	233.5	187.5	243.0	249.5
Limit (dB)	33.2	34.8	32.9	32.7

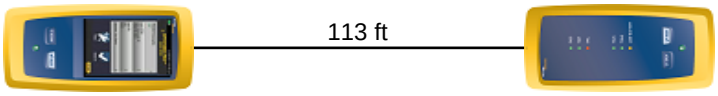
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	14.7	14.9	14.8	15.0
Freq. (MHz)	235.0	235.0	243.5	250.0
Limit (dB)	16.8	16.8	16.5	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	15.9	15.7	16.8	16.8
Freq. (MHz)	1.1	1.0	242.0	250.0
Limit (dB)	60.2	61.2	13.5	13.2

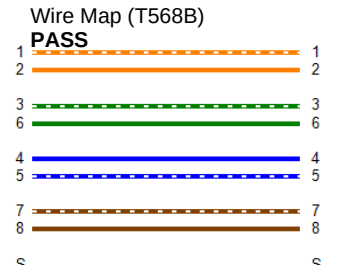
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	12-45
ACR-N (dB)	13.8	14.9	24.3	25.5
Freq. (MHz)	11.3	11.4	243.0	240.5
Limit (dB)	51.1	51.0	4.9	5.2
Worst Pair	12	12	78	45
PS ACR-N (dB)	13.9	14.8	24.3	27.8
Freq. (MHz)	11.3	11.3	243.0	250.0
Limit (dB)	48.8	48.8	2.3	1.6

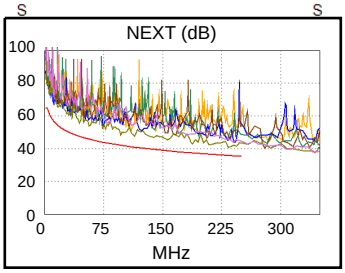
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	36
RL (dB)	7.1	5.9	7.1	6.8
Freq. (MHz)	234.0	43.8	234.0	245.5
Limit (dB)	10.3	17.6	10.3	10.1

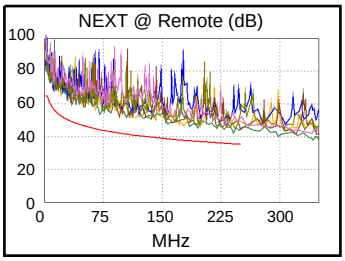
Compliant Network Standards:

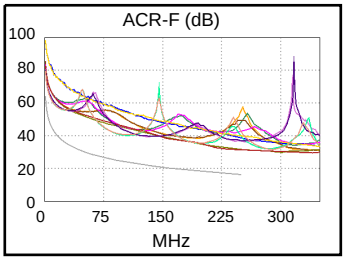
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

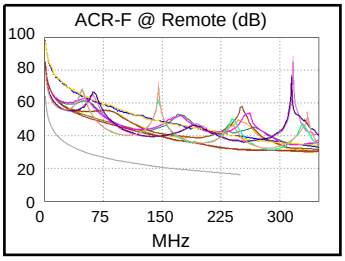


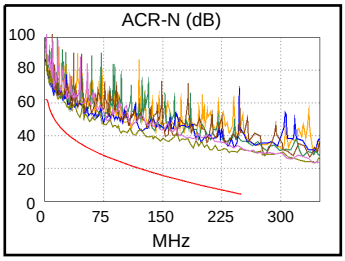


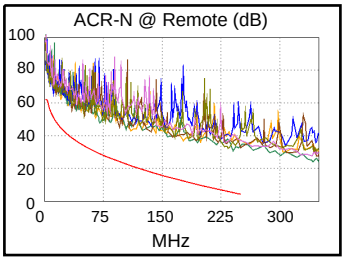


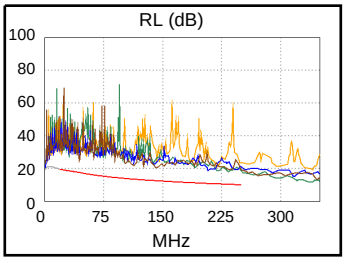


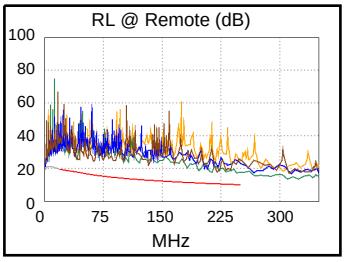












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 087

Date / Time: 05/24/2019 06:40:12 PM
Headroom 6.9 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	113
Prop. Delay (ns), Limit 498	[Pair 45]	177
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	5.82
Insertion Loss Margin (dB)	[Pair 36]	19.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.9	7.4	6.9	7.4
Freq. (MHz)	209.5	210.0	209.5	210.0
Limit (dB)	36.6	36.6	36.6	36.6
Worst Pair	45	45	45	45
PS NEXT (dB)	8.3	9.1	8.3	9.1
Freq. (MHz)	218.5	210.0	218.5	210.0
Limit (dB)	33.7	34.0	33.7	34.0

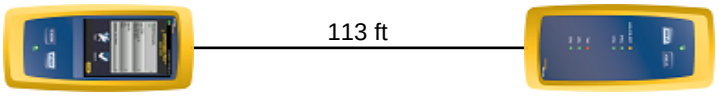
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	12-78	45-36	12-78
ACR-F (dB)	15.7	15.8	15.9	15.8
Freq. (MHz)	242.0	250.0	250.0	250.0
Limit (dB)	16.5	16.2	16.2	16.2
Worst Pair	78	78	36	78
PS ACR-F (dB)	16.6	16.8	16.8	16.9
Freq. (MHz)	1.3	1.1	241.0	250.0
Limit (dB)	59.3	60.2	13.5	13.2

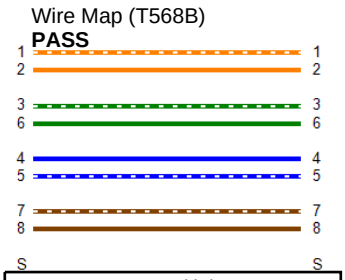
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-78	12-78	36-45
ACR-N (dB)	16.2	16.3	28.3	24.7
Freq. (MHz)	18.9	7.8	249.5	210.0
Limit (dB)	45.8	54.7	4.3	8.5
Worst Pair	45	45	45	36
PS ACR-N (dB)	16.1	16.3	26.1	30.3
Freq. (MHz)	19.0	18.8	218.5	250.0
Limit (dB)	43.3	43.5	4.9	1.6

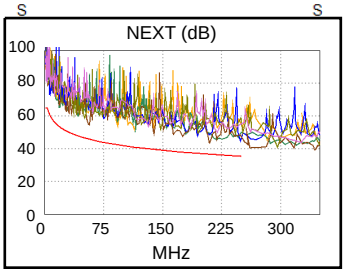
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.3	4.3	5.3	4.3
Freq. (MHz)	235.5	224.5	235.5	224.5
Limit (dB)	10.3	10.5	10.3	10.5

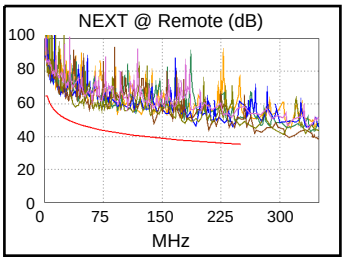
Compliant Network Standards:

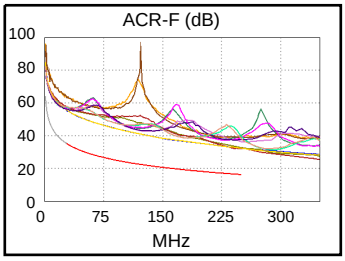
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

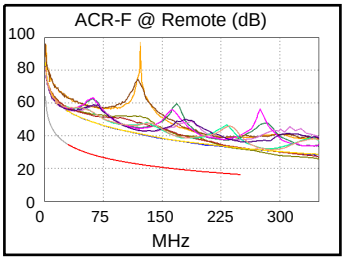


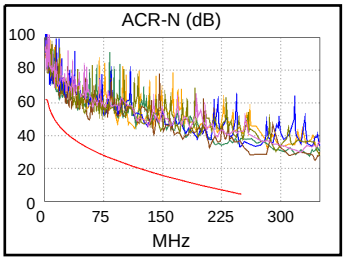


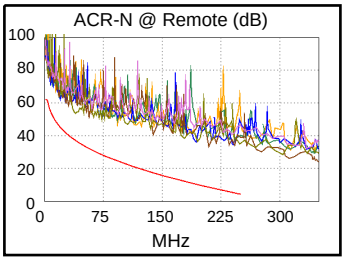


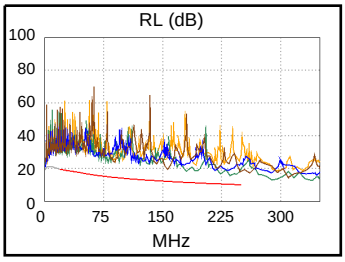


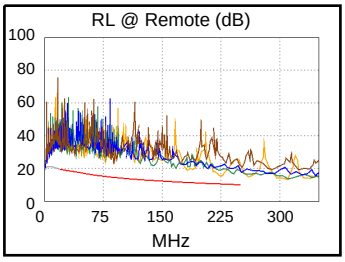












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 088

Date / Time: 05/03/2019 09:34:59 PM
Headroom 4.7 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	105
Prop. Delay (ns), Limit 498	[Pair 45]	164
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.39
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	4.7	7.1	4.7	7.1
Freq. (MHz)	226.0	240.0	226.0	240.0
Limit (dB)	36.1	35.6	36.1	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	6.0	9.2	6.0	9.2
Freq. (MHz)	226.0	240.0	226.0	240.0
Limit (dB)	33.4	33.0	33.4	33.0

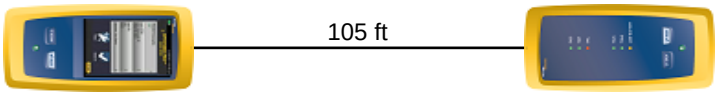
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	14.4	14.4	14.4	14.4
Freq. (MHz)	248.5	249.0	248.5	249.0
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.3	15.3	15.7	15.8
Freq. (MHz)	219.5	218.5	240.5	246.5
Limit (dB)	14.4	14.4	13.6	13.4

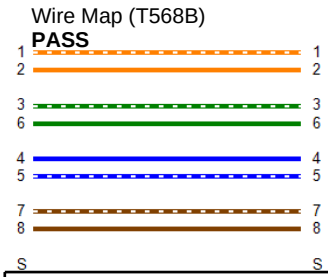
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	14.7	15.5	23.7	26.8
Freq. (MHz)	6.8	6.6	226.0	240.0
Limit (dB)	56.0	56.1	6.7	5.3
Worst Pair	78	36	36	36
PS ACR-N (dB)	15.7	16.6	25.7	28.8
Freq. (MHz)	7.3	2.5	233.0	240.0
Limit (dB)	53.0	59.0	3.4	2.6

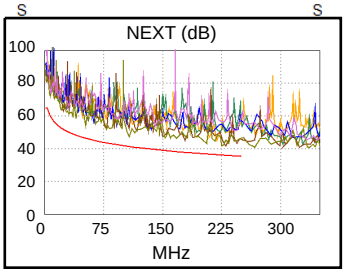
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.0	4.9	5.0	5.1
Freq. (MHz)	242.5	242.5	242.5	249.0
Limit (dB)	10.2	10.2	10.2	10.0

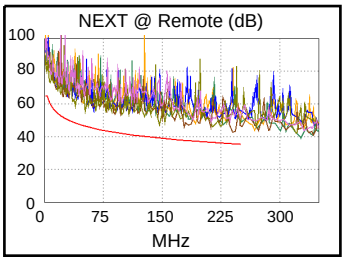
Compliant Network Standards:

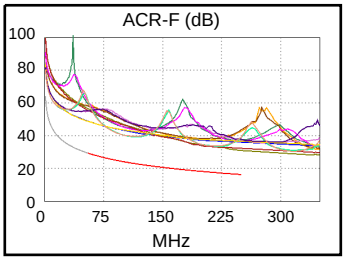
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

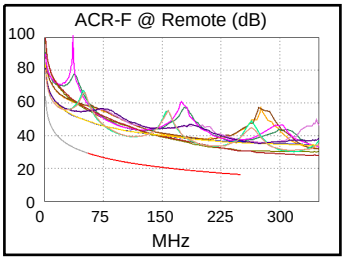


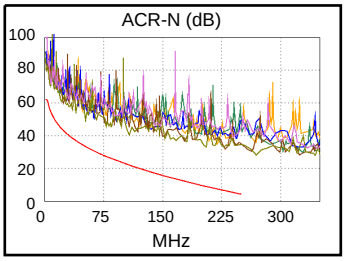


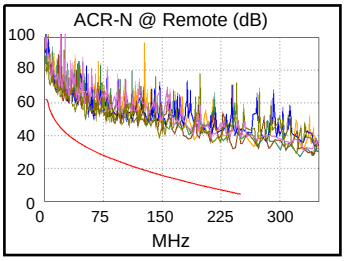


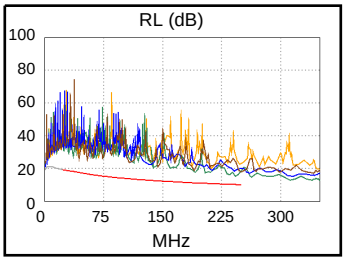


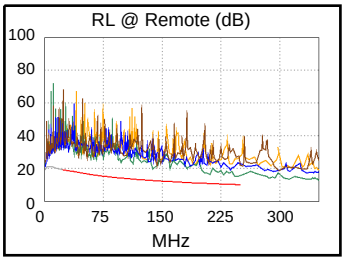












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 089

Date / Time: 05/03/2019 09:35:17 PM
Headroom 7.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	107
Prop. Delay (ns), Limit 498	[Pair 12]	170
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	5.23
Insertion Loss Margin (dB)	[Pair 45]	19.7
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
NEXT (dB)	8.2	7.6	8.2	7.6
Freq. (MHz)	204.5	233.5	204.5	233.5
Limit (dB)	36.8	35.8	36.8	35.8
Worst Pair	45	45	45	45
PS NEXT (dB)	8.8	8.2	8.8	8.5
Freq. (MHz)	205.0	233.5	205.0	249.5
Limit (dB)	34.1	33.2	34.1	32.7

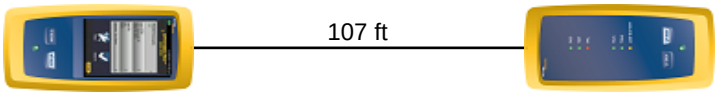
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	11.1	10.6	11.3	11.6
Freq. (MHz)	240.5	114.0	247.0	240.5
Limit (dB)	16.6	23.1	16.3	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	11.8	11.7	11.9	11.8
Freq. (MHz)	249.0	233.0	249.5	238.5
Limit (dB)	13.3	13.8	13.2	13.6

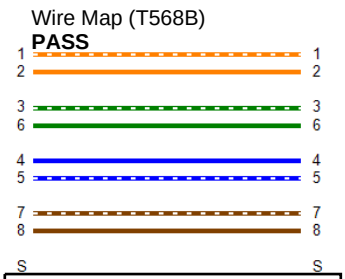
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	36-45
ACR-N (dB)	16.7	15.8	30.8	26.6
Freq. (MHz)	3.9	4.0	249.0	233.5
Limit (dB)	60.8	60.6	4.3	5.9
Worst Pair	45	45	45	45
PS ACR-N (dB)	17.8	17.1	30.2	28.1
Freq. (MHz)	3.9	4.0	250.0	249.5
Limit (dB)	58.5	58.3	1.6	1.7

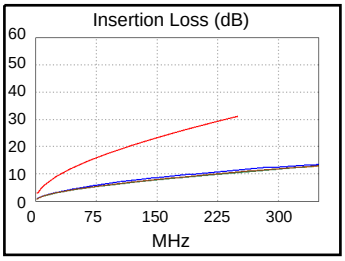
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	4.4	6.3	4.4	6.3
Freq. (MHz)	229.5	247.0	229.5	247.0
Limit (dB)	10.4	10.1	10.4	10.1

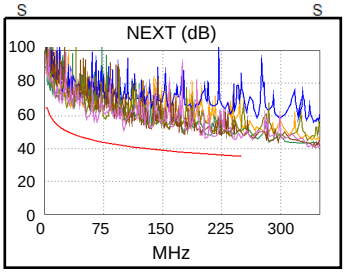
Compliant Network Standards:

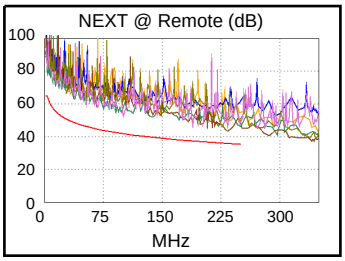
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

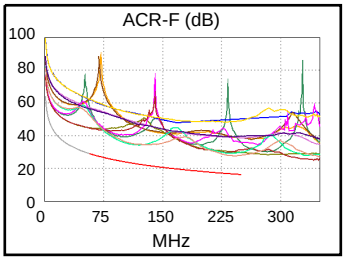


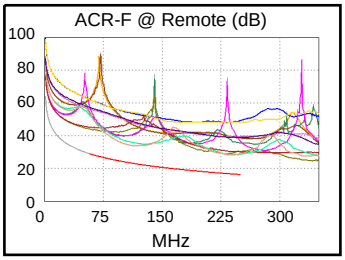


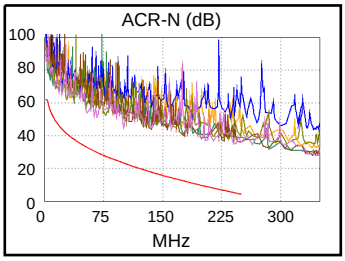


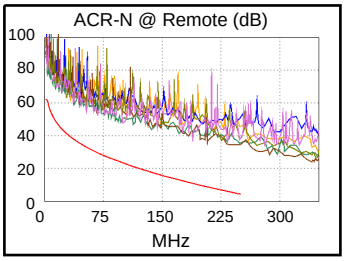


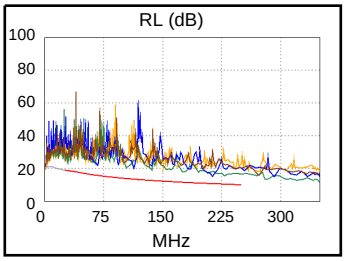


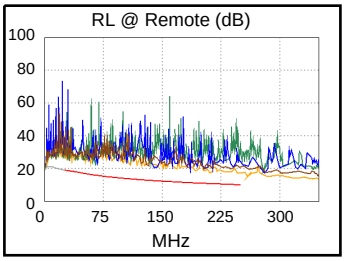












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 090

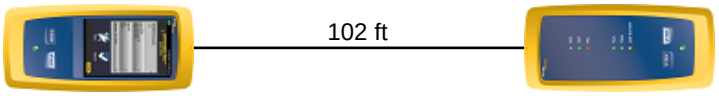
Date / Time: 05/03/2019 09:35:57 PM
Headroom 10.2 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

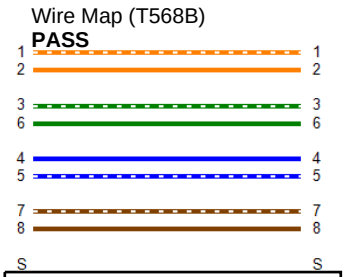
Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

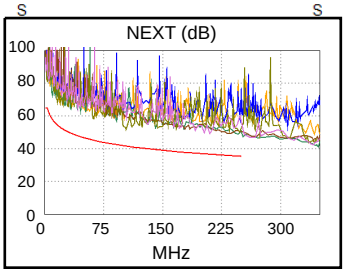
Test Summary: PASS

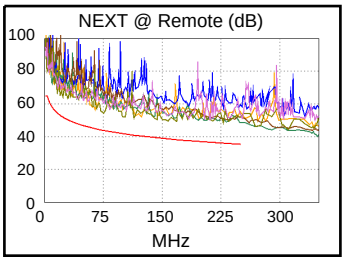
Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

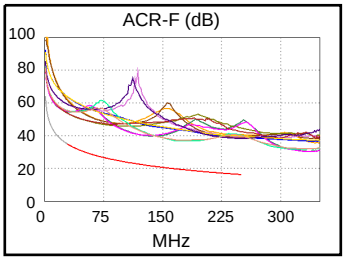
Length (ft), Limit 295	[Pair 45]	102
Prop. Delay (ns), Limit 498	[Pair 12]	159
Delay Skew (ns), Limit 44	[Pair 12]	9
Resistance (ohms)	[Pair 12]	4.90
Insertion Loss Margin (dB)	[Pair 36]	21.1
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

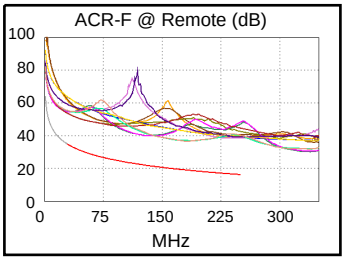


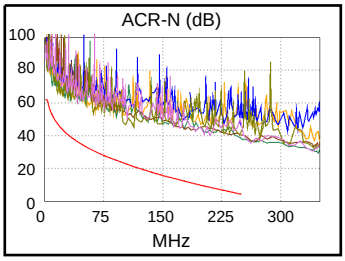


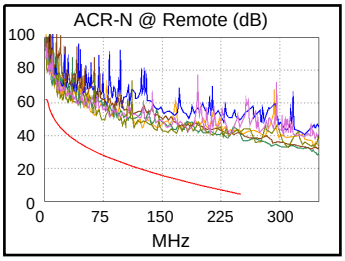


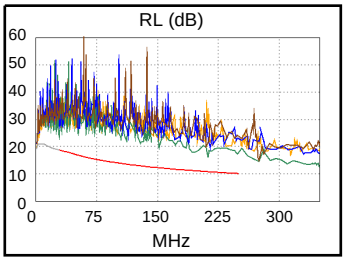


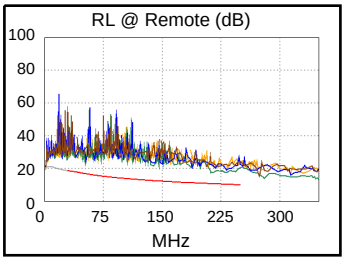












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
NEXT (dB)	10.2	10.2	13.1	11.3
Freq. (MHz)	104.0	167.5	246.0	233.0
Limit (dB)	41.6	38.2	35.5	35.8
Worst Pair	36	36	45	45
PS NEXT (dB)	11.7	10.7	13.1	11.9
Freq. (MHz)	104.0	124.0	242.5	233.5
Limit (dB)	39.0	37.8	32.9	33.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	78-45
ACR-F (dB)	16.7	16.7	17.3	17.5
Freq. (MHz)	6.3	5.8	181.0	181.0
Limit (dB)	48.3	49.0	19.0	19.0
Worst Pair	45	45	78	78
PS ACR-F (dB)	15.1	15.0	21.5	21.0
Freq. (MHz)	1.6	1.6	250.0	247.5
Limit (dB)	57.0	57.0	13.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	12-45
ACR-N (dB)	18.1	17.0	34.6	31.7
Freq. (MHz)	9.6	3.3	249.0	233.0
Limit (dB)	52.7	61.8	4.3	6.0
Worst Pair	12	78	45	45
PS ACR-N (dB)	19.7	18.1	34.0	32.4
Freq. (MHz)	9.9	16.5	242.5	233.5
Limit (dB)	50.1	44.9	2.4	3.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.9	5.9	6.3	6.8
Freq. (MHz)	28.9	52.5	249.5	242.5
Limit (dB)	18.7	16.8	10.0	10.2

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 091

Date / Time: 05/03/2019 09:36:29 PM
Headroom 9.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	101
Prop. Delay (ns), Limit 498	[Pair 12]	159
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 12]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	45-78	12-45
NEXT (dB)	10.1	9.5	11.2	9.5
Freq. (MHz)	21.8	250.0	242.5	250.0
Limit (dB)	52.5	35.3	35.6	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	10.7	8.8	10.7	9.2
Freq. (MHz)	232.5	213.0	232.5	250.0
Limit (dB)	33.2	33.9	33.2	32.7

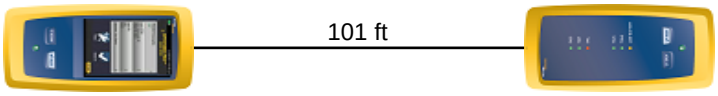
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-12	12-45
ACR-F (dB)	14.7	14.7	18.7	17.9
Freq. (MHz)	6.6	4.8	222.5	206.5
Limit (dB)	47.8	50.7	17.2	17.9
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.7	14.5	21.3	20.8
Freq. (MHz)	1.6	1.1	233.0	233.0
Limit (dB)	57.0	60.2	13.8	13.8

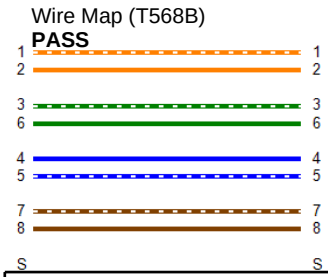
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	45-78	12-45
ACR-N (dB)	15.7	17.3	32.1	30.9
Freq. (MHz)	21.6	6.5	242.5	250.0
Limit (dB)	44.3	56.3	5.0	4.2
Worst Pair	36	45	45	45
PS ACR-N (dB)	17.8	18.8	31.2	30.6
Freq. (MHz)	21.6	6.4	232.5	250.0
Limit (dB)	41.9	54.2	3.4	1.6

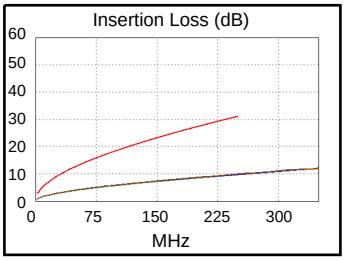
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.1	6.0	5.1	6.0
Freq. (MHz)	247.5	247.0	247.5	247.0
Limit (dB)	10.1	10.1	10.1	10.1

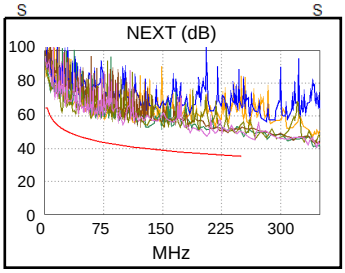
Compliant Network Standards:

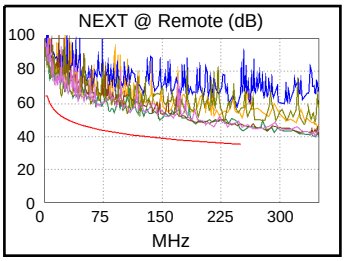
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

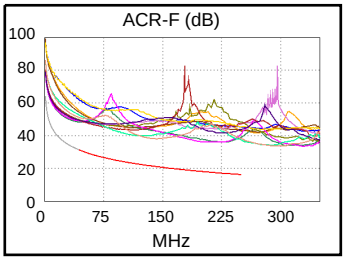


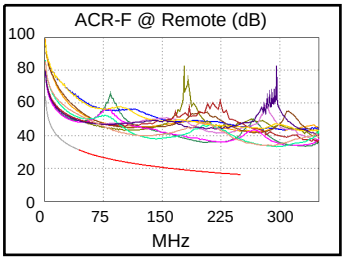


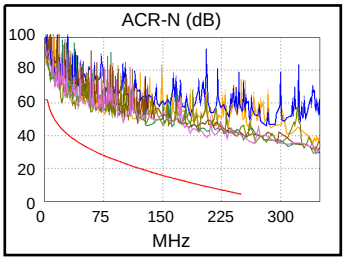


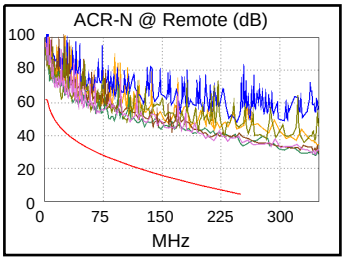


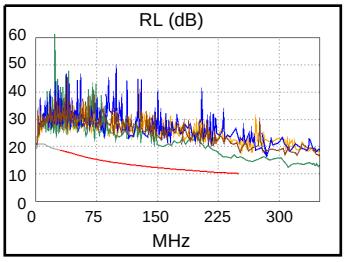


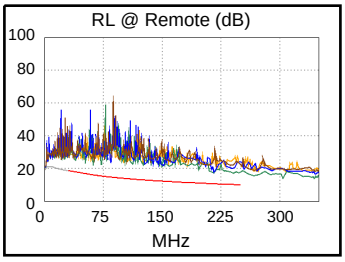












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 092

Date / Time: 05/03/2019 09:37:08 PM
Headroom 3.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	106
Prop. Delay (ns), Limit 498	[Pair 12]	168
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	5.19
Insertion Loss Margin (dB)	[Pair 45]	19.9
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
NEXT (dB)	3.6	8.8	3.6	9.3
Freq. (MHz)	220.5	205.0	220.5	249.5
Limit (dB)	36.2	36.8	36.2	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	5.2	9.3	5.2	9.7
Freq. (MHz)	220.5	205.0	220.5	240.0
Limit (dB)	33.6	34.1	33.6	33.0

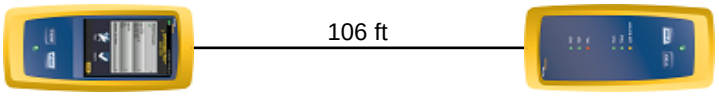
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	36-45	36-45
ACR-F (dB)	11.7	11.1	14.7	13.8
Freq. (MHz)	132.0	122.0	242.5	239.0
Limit (dB)	21.8	22.5	16.5	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.1	12.1	13.7	14.4
Freq. (MHz)	1.0	1.3	249.5	242.5
Limit (dB)	61.2	59.3	13.2	13.5

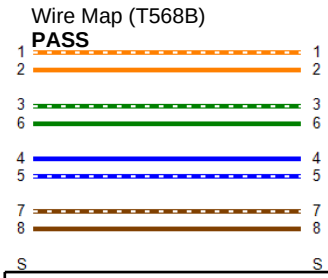
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
ACR-N (dB)	13.0	13.4	24.8	29.2
Freq. (MHz)	15.5	4.1	242.5	249.5
Limit (dB)	47.9	60.3	5.0	4.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	14.8	15.3	25.6	30.0
Freq. (MHz)	4.1	4.1	242.5	249.5
Limit (dB)	58.0	58.0	2.4	1.7

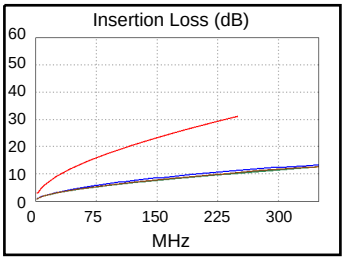
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	12
RL (dB)	4.2	5.1	6.4	6.7
Freq. (MHz)	36.3	122.5	249.5	234.5
Limit (dB)	18.2	13.1	10.0	10.3

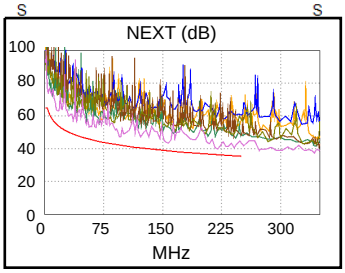
Compliant Network Standards:

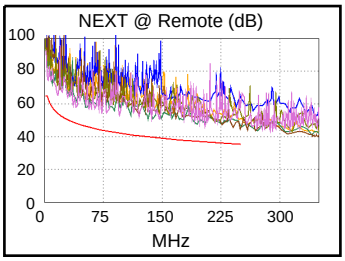
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

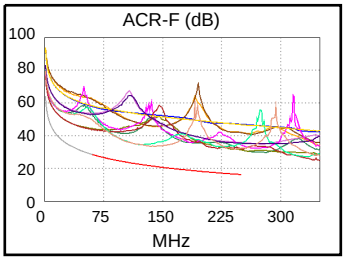


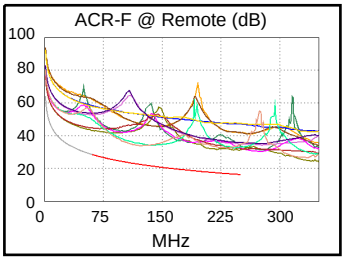


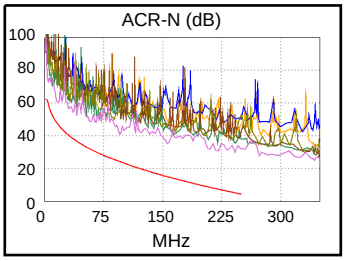


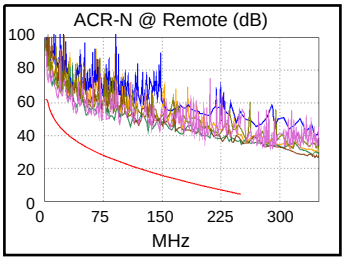


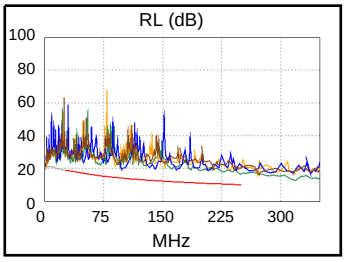


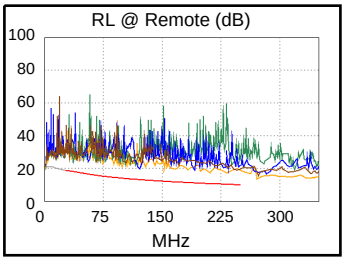












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 093

Date / Time: 05/03/2019 09:37:33 PM
Headroom 9.6 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	109
Prop. Delay (ns), Limit 498	[Pair 12]	170
Delay Skew (ns), Limit 44	[Pair 12]	10
Resistance (ohms)	[Pair 78]	5.17
Insertion Loss Margin (dB)	[Pair 36]	20.6
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-45	45-78	12-45
NEXT (dB)	11.2	9.6	11.2	9.6
Freq. (MHz)	248.5	246.0	248.5	246.0
Limit (dB)	35.4	35.5	35.4	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	10.5	10.0	10.8	10.0
Freq. (MHz)	223.5	249.5	248.5	249.5
Limit (dB)	33.5	32.7	32.7	32.7

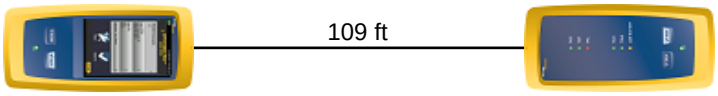
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-12	12-45
ACR-F (dB)	17.0	17.0	18.8	18.9
Freq. (MHz)	162.5	6.6	215.5	219.5
Limit (dB)	20.0	47.8	17.5	17.4
Worst Pair	45	45	12	12
PS ACR-F (dB)	16.4	16.2	20.0	19.6
Freq. (MHz)	1.1	1.0	220.0	210.5
Limit (dB)	60.2	61.2	14.3	14.7

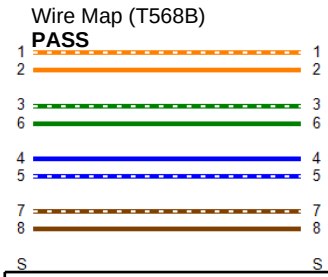
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	12-45
ACR-N (dB)	18.2	17.1	31.7	30.3
Freq. (MHz)	14.6	14.6	248.5	246.0
Limit (dB)	48.5	48.5	4.4	4.6
Worst Pair	12	12	45	45
PS ACR-N (dB)	18.4	17.0	31.4	30.6
Freq. (MHz)	14.9	14.6	248.5	249.5
Limit (dB)	45.9	46.1	1.8	1.7

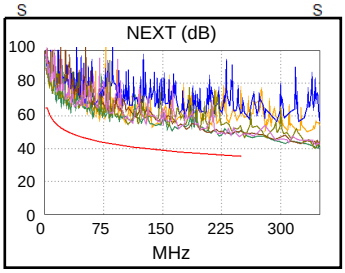
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.6	5.9	4.6	5.9
Freq. (MHz)	236.5	246.0	236.5	246.0
Limit (dB)	10.3	10.1	10.3	10.1

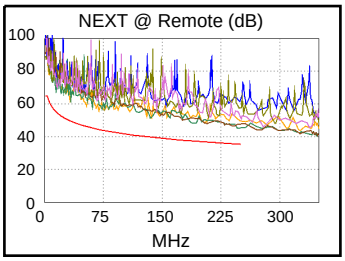
Compliant Network Standards:

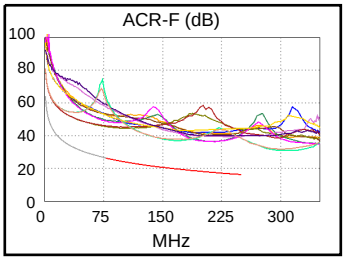
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

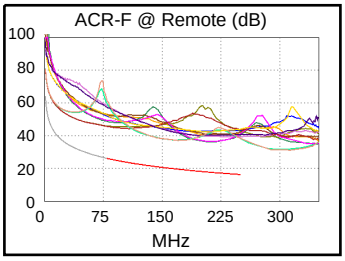


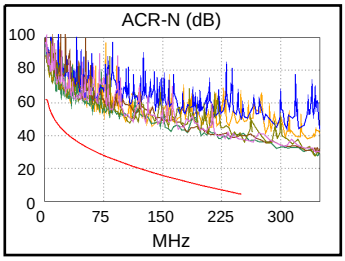


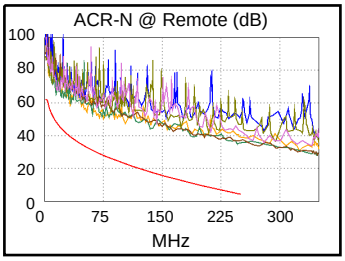


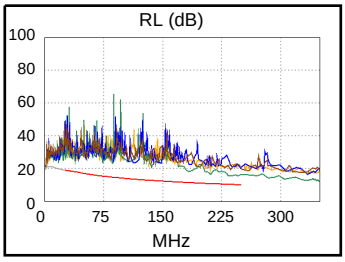


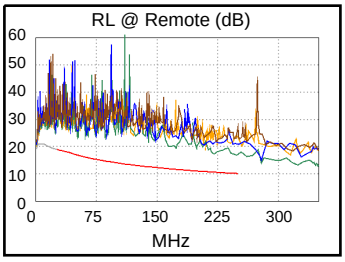












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 094

Date / Time: 05/03/2019 09:38:38 PM
Headroom 6.0 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	111
Prop. Delay (ns), Limit 498	[Pair 45]	175
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	5.71
Insertion Loss Margin (dB)	[Pair 36]	19.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.0	6.2	6.1	6.3
Freq. (MHz)	186.5	242.5	243.0	249.0
Limit (dB)	37.4	35.6	35.5	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	5.9	7.7	5.9	7.7
Freq. (MHz)	243.0	249.0	243.0	249.0
Limit (dB)	32.9	32.7	32.9	32.7

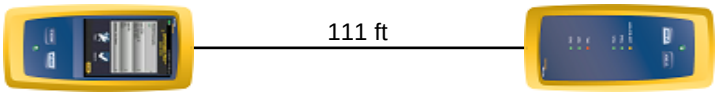
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	45-78
ACR-F (dB)	9.9	9.9	16.3	16.5
Freq. (MHz)	2.8	2.8	199.5	199.0
Limit (dB)	55.4	55.4	18.2	18.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	11.1	11.1	19.2	18.9
Freq. (MHz)	1.0	1.3	250.0	250.0
Limit (dB)	61.2	59.3	13.2	13.2

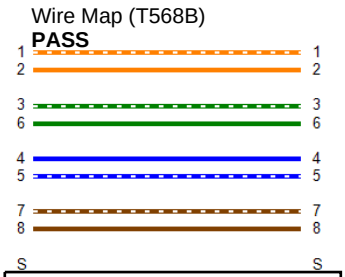
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	14.7	14.8	25.3	25.8
Freq. (MHz)	16.8	16.9	243.0	249.0
Limit (dB)	47.1	47.0	4.9	4.3
Worst Pair	45	36	45	45
PS ACR-N (dB)	15.8	15.3	25.1	27.1
Freq. (MHz)	17.1	17.1	243.0	249.0
Limit (dB)	44.5	44.5	2.3	1.7

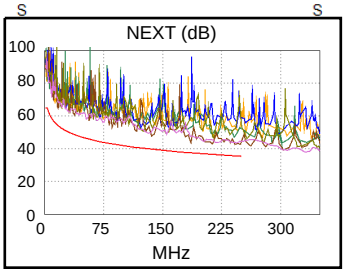
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.2	4.9	5.2	4.9
Freq. (MHz)	239.5	248.0	239.5	248.0
Limit (dB)	10.2	10.1	10.2	10.1

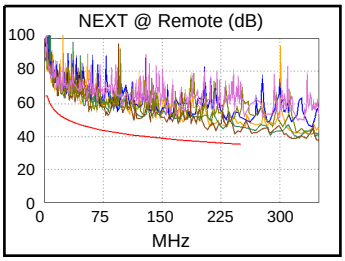
Compliant Network Standards:

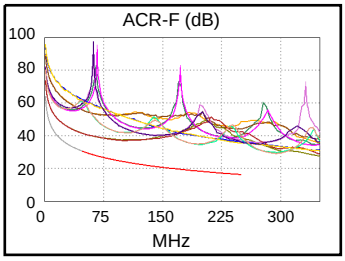
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

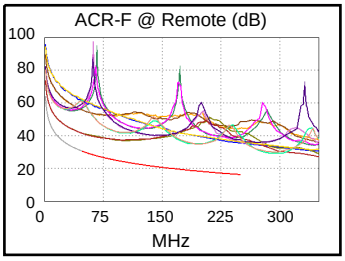


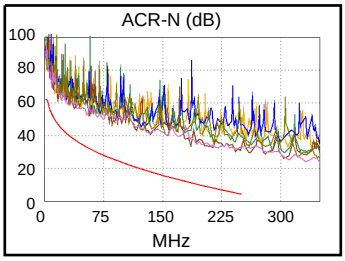


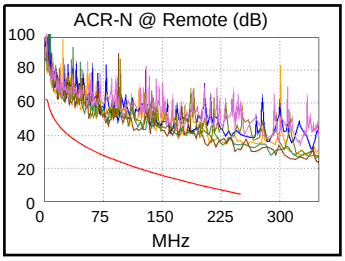


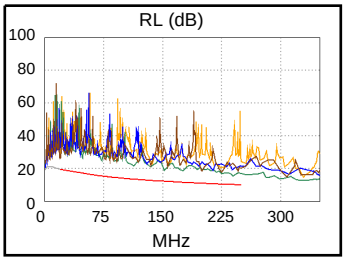


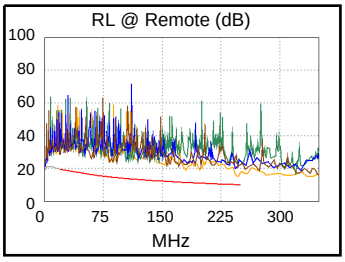












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 095

Date / Time: 05/03/2019 09:39:02 PM
Headroom 5.2 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	111
Prop. Delay (ns), Limit 498	[Pair 45]	174
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.60
Insertion Loss Margin (dB)	[Pair 78]	19.2
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	7.0	5.2	7.0	6.6
Freq. (MHz)	215.5	190.0	215.5	242.5
Limit (dB)	36.4	37.3	36.4	35.6
Worst Pair	36	45	36	45
PS NEXT (dB)	7.9	6.6	7.9	6.8
Freq. (MHz)	215.0	189.5	215.0	236.0
Limit (dB)	33.8	34.7	33.8	33.1

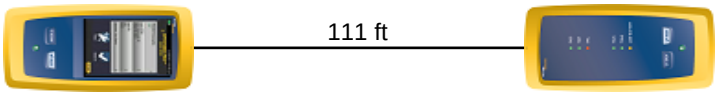
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	10.3	10.1	10.3	10.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	36	45	36
PS ACR-F (dB)	12.9	13.0	12.9	13.0
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	13.2	13.2	13.2	13.2

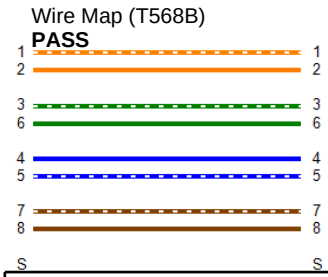
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	13.9	13.4	26.5	25.9
Freq. (MHz)	6.8	7.4	236.5	242.5
Limit (dB)	56.0	55.2	5.6	5.0
Worst Pair	36	36	45	45
PS ACR-N (dB)	14.8	14.4	28.4	25.8
Freq. (MHz)	6.8	7.3	248.5	236.0
Limit (dB)	53.6	53.0	1.8	3.0

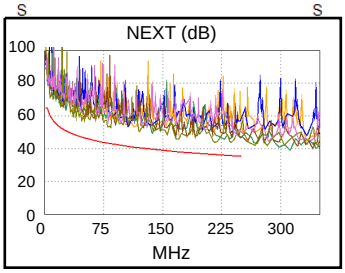
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	12
RL (dB)	4.2	6.2	4.2	6.2
Freq. (MHz)	240.5	241.5	240.5	241.5
Limit (dB)	10.2	10.2	10.2	10.2

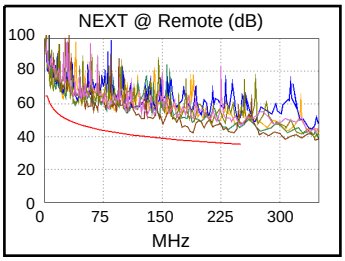
Compliant Network Standards:

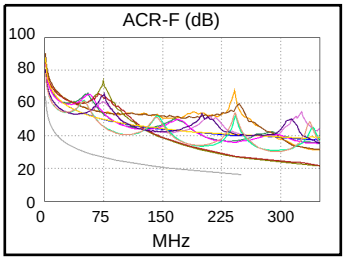
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

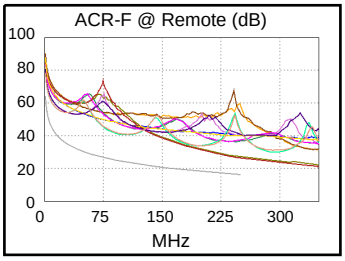


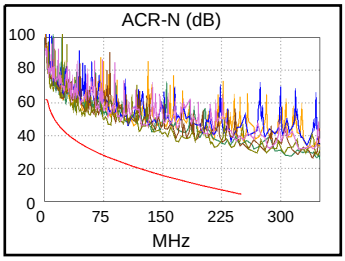


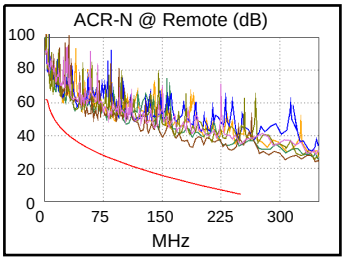


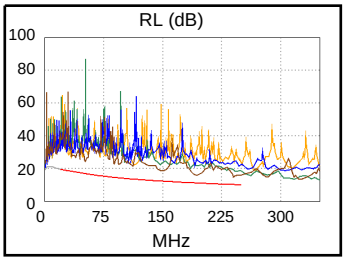


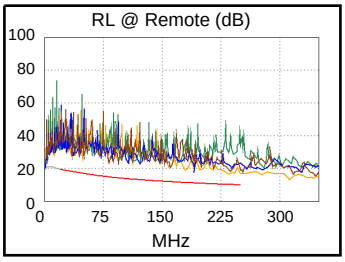












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 096

Date / Time: 05/24/2019 05:46:43 PM
Headroom 5.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	127
Prop. Delay (ns), Limit 498	[Pair 45]	199
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.54
Insertion Loss Margin (dB)	[Pair 36]	17.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
NEXT (dB)	5.5	7.1	5.7	7.1
Freq. (MHz)	228.0	233.5	238.0	233.5
Limit (dB)	36.0	35.8	35.7	35.8
Worst Pair	36	36	36	36
PS NEXT (dB)	5.7	7.0	5.7	7.0
Freq. (MHz)	228.0	233.5	228.0	233.5
Limit (dB)	33.4	33.2	33.4	33.2

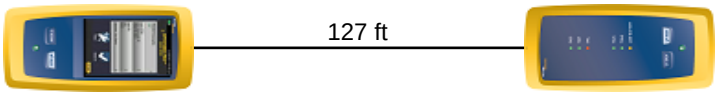
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	14.5	14.5	15.1	15.0
Freq. (MHz)	209.5	209.5	248.5	248.5
Limit (dB)	17.8	17.8	16.3	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.2	15.5	15.3	15.9
Freq. (MHz)	249.0	166.5	250.0	250.0
Limit (dB)	13.3	16.8	13.2	13.2

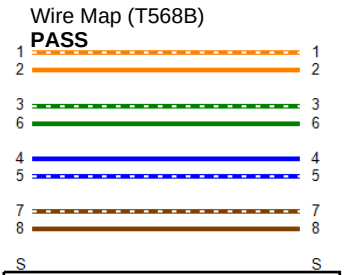
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	12.5	12.8	22.9	24.3
Freq. (MHz)	5.8	5.4	238.0	233.5
Limit (dB)	57.4	58.0	5.5	5.9
Worst Pair	36	36	36	36
PS ACR-N (dB)	12.5	13.0	23.4	25.5
Freq. (MHz)	5.6	5.8	236.0	248.5
Limit (dB)	55.3	55.1	3.0	1.8

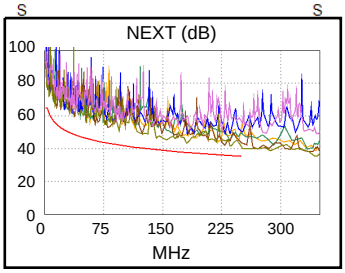
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	6.1	5.6	6.1	6.0
Freq. (MHz)	235.5	230.0	235.5	250.0
Limit (dB)	10.3	10.4	10.3	10.0

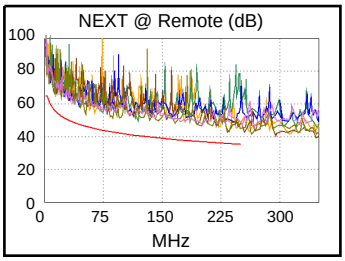
Compliant Network Standards:

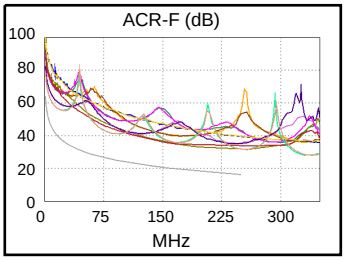
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

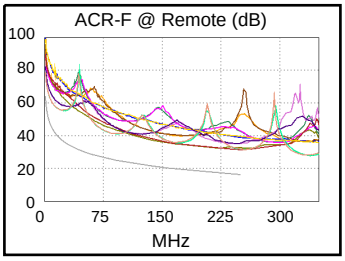


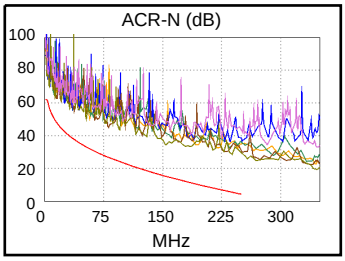


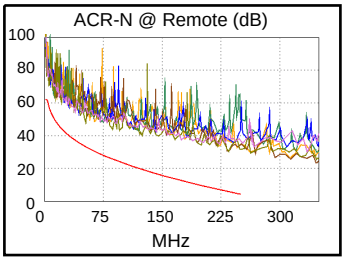


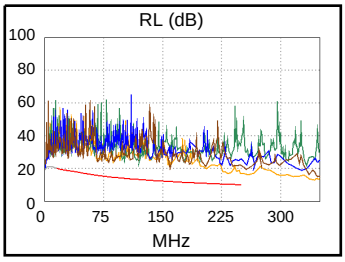


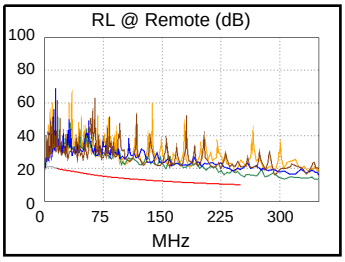












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 097

Date / Time: 05/03/2019 09:47:56 PM
Headroom 5.8 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	128
Prop. Delay (ns), Limit 498	[Pair 45]	201
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.58
Insertion Loss Margin (dB)	[Pair 36]	17.6
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.8	6.1	5.9	6.1
Freq. (MHz)	239.0	209.0	239.5	209.0
Limit (dB)	35.7	36.6	35.6	36.6
Worst Pair	45	45	45	36
PS NEXT (dB)	7.0	7.3	7.0	8.1
Freq. (MHz)	239.0	209.0	239.0	240.5
Limit (dB)	33.0	34.0	33.0	33.0

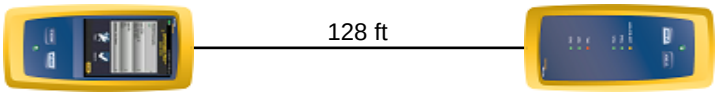
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	7.7	7.9	7.9	8.1
Freq. (MHz)	246.5	246.5	249.5	249.5
Limit (dB)	16.4	16.4	16.2	16.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	10.6	10.4	10.8	10.6
Freq. (MHz)	246.5	246.5	249.5	249.5
Limit (dB)	13.4	13.4	13.2	13.2

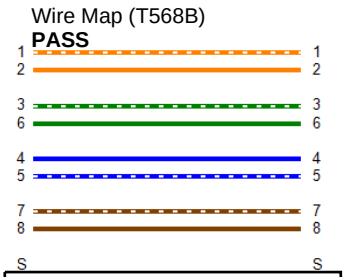
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	12.5	11.7	23.3	25.6
Freq. (MHz)	7.8	8.1	239.5	249.0
Limit (dB)	54.7	54.3	5.3	4.3
Worst Pair	36	36	45	36
PS ACR-N (dB)	13.9	13.4	24.4	25.5
Freq. (MHz)	8.0	8.3	239.0	241.0
Limit (dB)	52.1	51.8	2.7	2.5

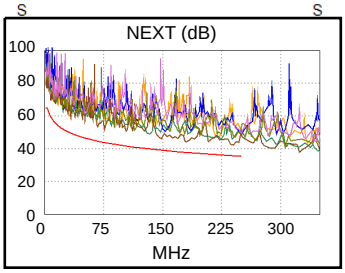
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	12
RL (dB)	4.7	7.2	4.7	8.5
Freq. (MHz)	247.5	16.5	247.5	240.5
Limit (dB)	10.1	19.9	10.1	10.2

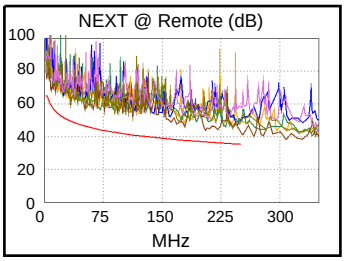
Compliant Network Standards:

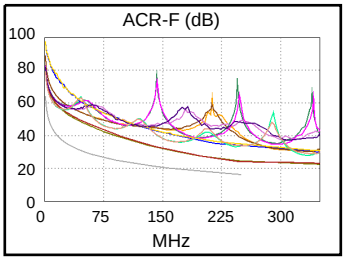
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

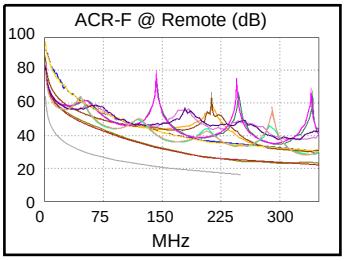


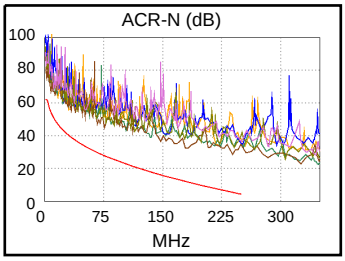


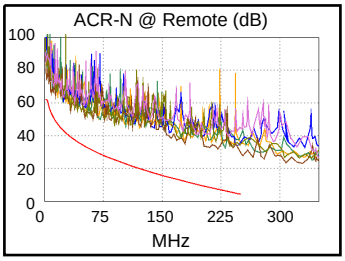


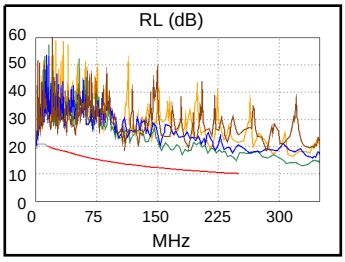


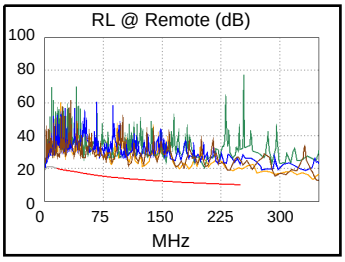












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 098

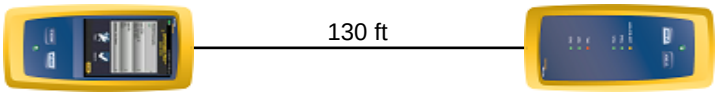
Date / Time: 05/24/2019 05:47:34 PM
Headroom 8.9 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

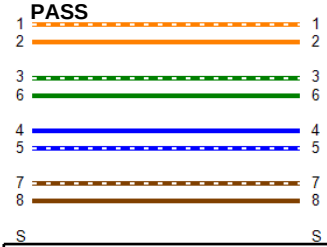
Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

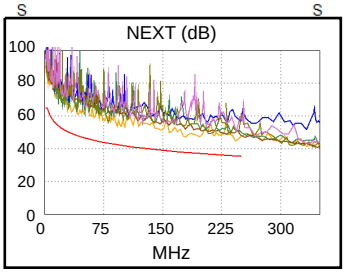
Length (ft), Limit 295	[Pair 45]	130
Prop. Delay (ns), Limit 498	[Pair 12]	203
Delay Skew (ns), Limit 44	[Pair 12]	12
Resistance (ohms)	[Pair 12]	6.20
Insertion Loss Margin (dB)	[Pair 78]	18.5
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1

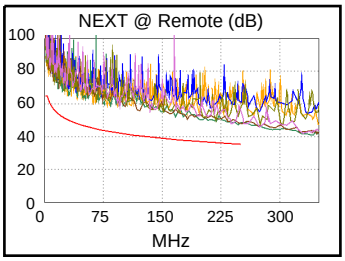


Wire Map (T568B)
PASS

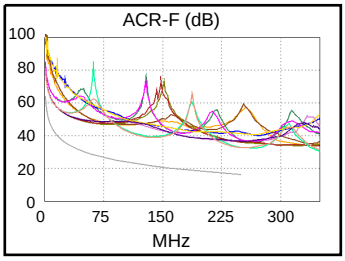


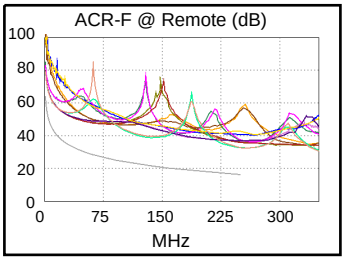
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	12-36	45-78
NEXT (dB)	8.9	11.1	9.2	11.1
Freq. (MHz)	181.5	239.0	242.5	239.0
Limit (dB)	37.6	35.7	35.6	35.7
Worst Pair	36	45	36	45
PS NEXT (dB)	10.1	10.3	10.3	10.3
Freq. (MHz)	181.5	241.5	247.0	241.5
Limit (dB)	35.0	33.0	32.8	33.0



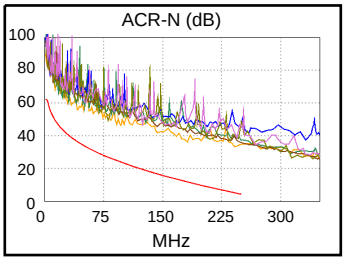


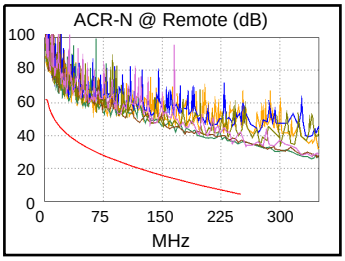
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	16.0	16.1	16.5	16.4
Freq. (MHz)	5.6	12.8	250.0	250.0
Limit (dB)	49.2	42.1	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.7	14.7	16.9	17.0
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	60.2	60.2	13.2	13.2



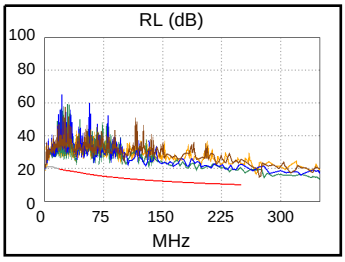


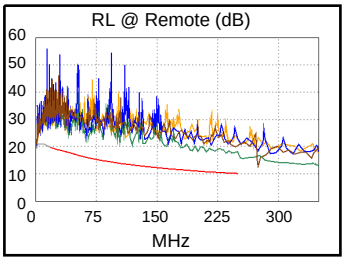
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	45-78
ACR-N (dB)	18.5	18.9	27.5	29.2
Freq. (MHz)	4.0	4.3	242.5	239.0
Limit (dB)	60.6	60.0	5.0	5.4
Worst Pair	36	36	36	45
PS ACR-N (dB)	18.7	19.9	28.8	28.6
Freq. (MHz)	4.3	4.3	247.0	241.5
Limit (dB)	57.8	57.8	1.9	2.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.7	5.7	7.7	7.3
Freq. (MHz)	40.5	41.0	235.0	250.0
Limit (dB)	17.9	17.9	10.3	10.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 099

Date / Time: 05/24/2019 05:48:03 PM
Headroom 6.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	127
Prop. Delay (ns), Limit 498	[Pair 12]	201
Delay Skew (ns), Limit 44	[Pair 12]	14
Resistance (ohms)	[Pair 12]	6.16
Insertion Loss Margin (dB)	[Pair 45]	16.9
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	6.6	7.6	6.8	7.6
Freq. (MHz)	178.5	240.5	240.0	240.5
Limit (dB)	37.7	35.6	35.6	35.6
Worst Pair	45	45	45	45
PS NEXT (dB)	7.7	9.8	8.7	9.9
Freq. (MHz)	178.5	241.0	240.0	249.0
Limit (dB)	35.1	33.0	33.0	32.7

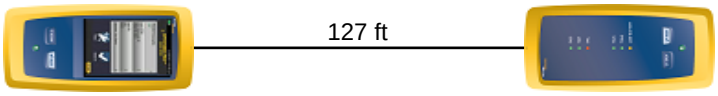
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	36-45	45-36	36-45
ACR-F (dB)	12.8	11.5	13.5	11.8
Freq. (MHz)	193.5	230.5	250.0	250.0
Limit (dB)	18.5	16.9	16.2	16.2
Worst Pair	45	45	36	45
PS ACR-F (dB)	14.3	12.8	15.2	14.0
Freq. (MHz)	193.5	205.0	250.0	250.0
Limit (dB)	15.5	15.0	13.2	13.2

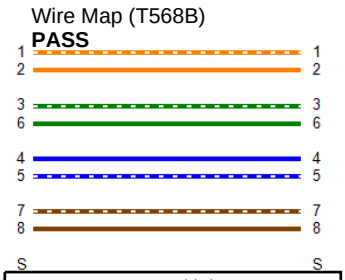
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	13.8	15.6	24.9	25.8
Freq. (MHz)	12.5	17.9	240.0	240.5
Limit (dB)	50.1	46.4	5.3	5.2
Worst Pair	78	78	45	45
PS ACR-N (dB)	15.5	15.9	25.5	26.9
Freq. (MHz)	9.9	9.9	240.0	249.0
Limit (dB)	50.1	50.1	2.6	1.7

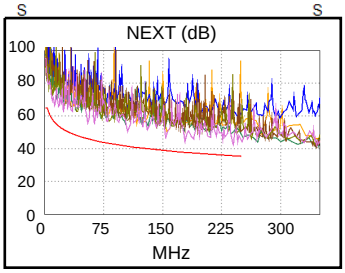
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.7	4.7	4.9	6.0
Freq. (MHz)	62.8	62.8	232.0	234.5
Limit (dB)	16.0	16.0	10.3	10.3

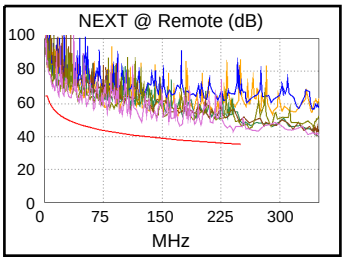
Compliant Network Standards:

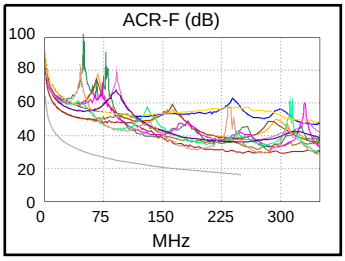
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

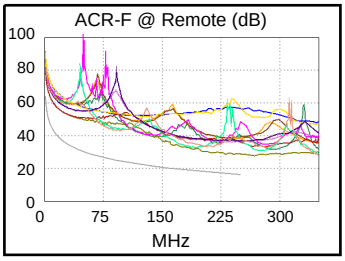


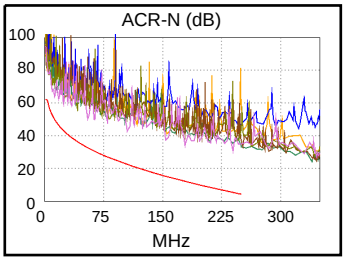


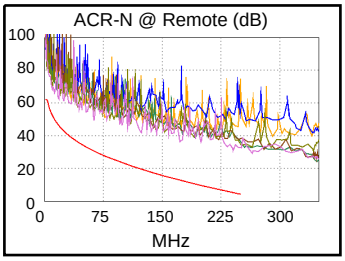


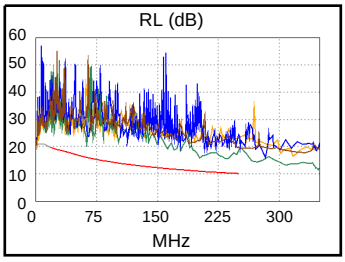


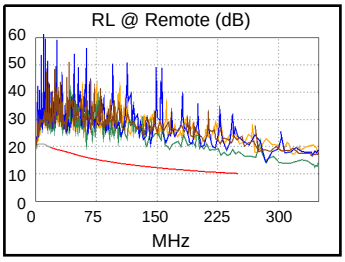












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 100

Date / Time: 05/24/2019 05:51:58 PM
Headroom 8.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	157
Prop. Delay (ns), Limit 498	[Pair 12]	246
Delay Skew (ns), Limit 44	[Pair 12]	15
Resistance (ohms)	[Pair 12]	7.49
Insertion Loss Margin (dB)	[Pair 45]	15.9
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	8.1	8.9	10.4	8.9
Freq. (MHz)	74.3	237.0	244.0	237.0
Limit (dB)	43.9	35.7	35.5	35.7
Worst Pair	78	45	78	45
PS NEXT (dB)	9.9	9.4	11.5	9.4
Freq. (MHz)	74.5	237.0	244.0	237.0
Limit (dB)	41.4	33.1	32.9	33.1

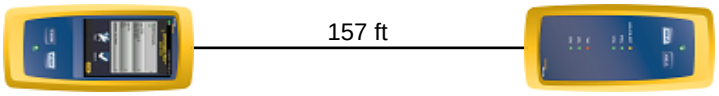
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-78	78-45
ACR-F (dB)	13.3	13.3	16.7	16.6
Freq. (MHz)	70.3	70.8	250.0	250.0
Limit (dB)	27.3	27.2	16.2	16.2
Worst Pair	45	45	78	45
PS ACR-F (dB)	14.3	14.3	17.9	17.5
Freq. (MHz)	71.0	70.8	250.0	250.0
Limit (dB)	24.2	24.2	13.2	13.2

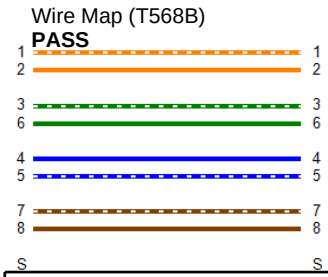
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
ACR-N (dB)	15.7	15.5	26.2	24.4
Freq. (MHz)	17.9	10.5	244.0	237.0
Limit (dB)	46.4	51.8	4.8	5.6
Worst Pair	78	45	78	45
PS ACR-N (dB)	17.1	17.5	27.3	25.0
Freq. (MHz)	17.9	10.5	244.0	237.0
Limit (dB)	44.0	49.5	2.2	2.9

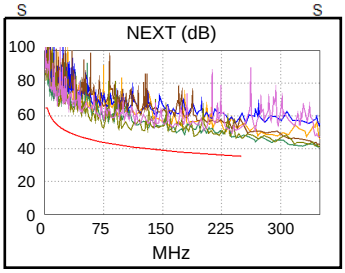
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	36
RL (dB)	5.0	5.6	8.6	6.6
Freq. (MHz)	12.6	64.8	245.5	248.5
Limit (dB)	20.5	15.9	10.1	10.0

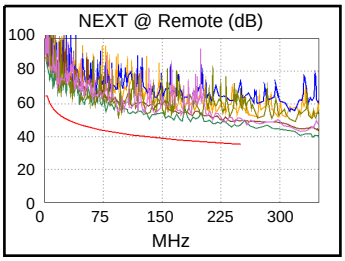
Compliant Network Standards:

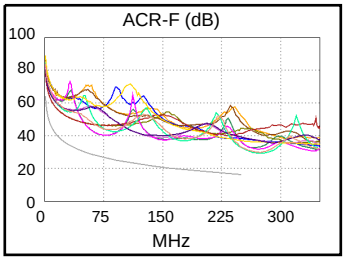
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

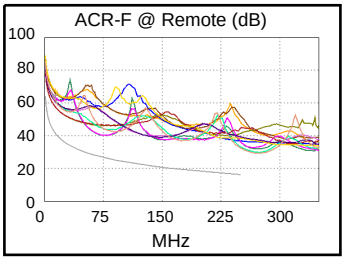


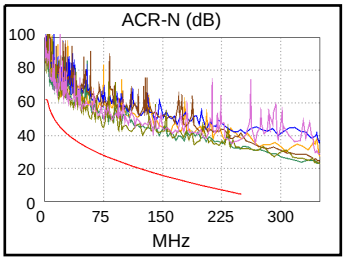


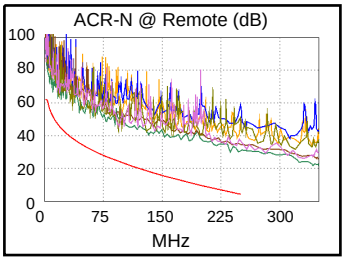


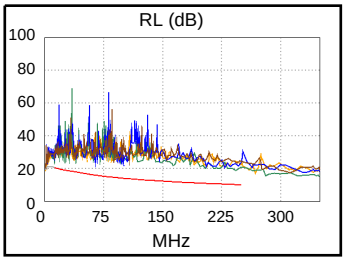


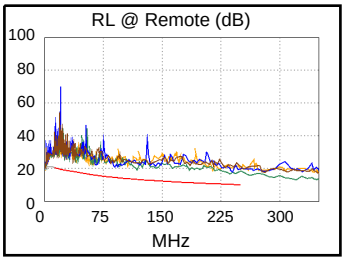












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 101

Date / Time: 05/03/2019 09:51:09 PM
Headroom 11.0 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	157
Prop. Delay (ns), Limit 498	[Pair 12]	246
Delay Skew (ns), Limit 44	[Pair 12]	14
Resistance (ohms)	[Pair 12]	7.53
Insertion Loss Margin (dB)	[Pair 36]	16.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	12-45
NEXT (dB)	12.1	11.0	12.1	11.9
Freq. (MHz)	226.0	167.0	226.0	250.0
Limit (dB)	36.1	38.2	36.1	35.3
Worst Pair	45	78	45	45
PS NEXT (dB)	11.4	12.3	11.5	12.7
Freq. (MHz)	225.5	167.5	226.0	250.0
Limit (dB)	33.5	35.6	33.4	32.7

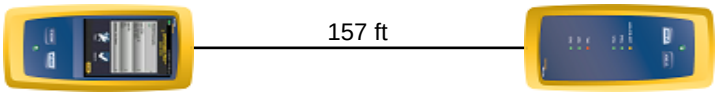
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	13.3	13.3	14.8	14.8
Freq. (MHz)	4.1	4.1	250.0	250.0
Limit (dB)	51.9	51.9	16.2	16.2
Worst Pair	45	45	45	36
PS ACR-F (dB)	13.4	13.4	16.6	17.0
Freq. (MHz)	1.0	1.3	250.0	250.0
Limit (dB)	61.2	59.3	13.2	13.2

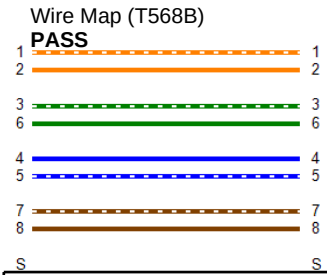
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	12-45	12-45
ACR-N (dB)	16.5	16.3	29.4	27.9
Freq. (MHz)	14.4	31.8	247.5	250.0
Limit (dB)	48.7	39.8	4.5	4.2
Worst Pair	12	45	45	45
PS ACR-N (dB)	17.8	16.8	28.7	28.7
Freq. (MHz)	14.4	8.3	248.0	250.0
Limit (dB)	46.3	51.8	1.8	1.6

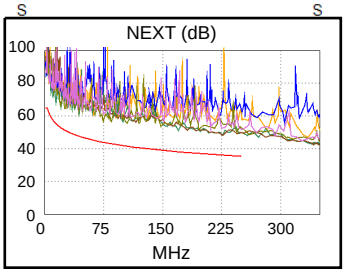
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.5	6.8	4.5	7.3
Freq. (MHz)	249.0	12.6	249.0	236.5
Limit (dB)	10.0	20.5	10.0	10.3

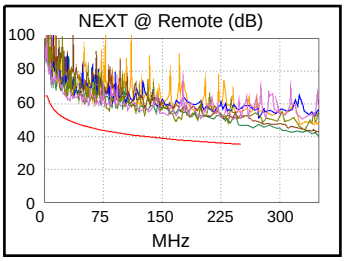
Compliant Network Standards:

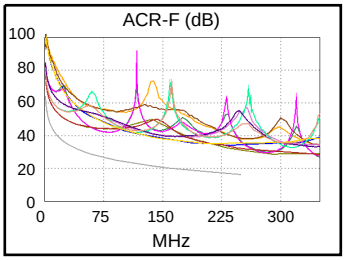
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

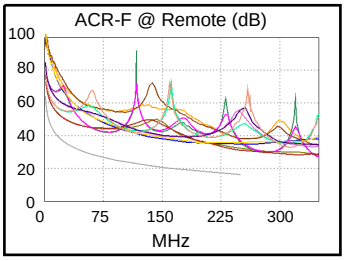


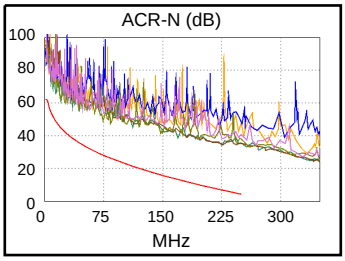


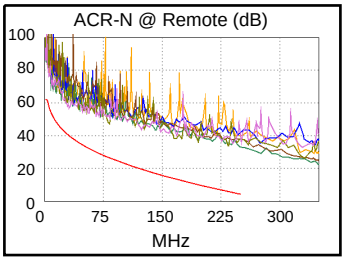


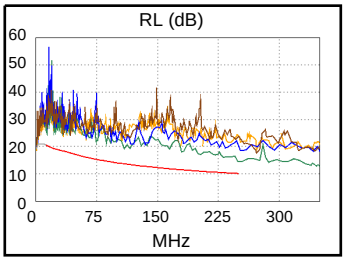


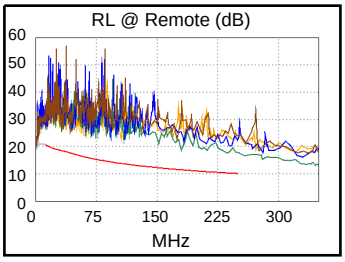












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 102

Date / Time: 05/03/2019 09:51:40 PM
Headroom 9.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	136
Prop. Delay (ns), Limit 498	[Pair 12]	215
Delay Skew (ns), Limit 44	[Pair 12]	15
Resistance (ohms)	[Pair 12]	6.63
Insertion Loss Margin (dB)	[Pair 45]	17.3
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	9.8	9.0	10.8	11.3
Freq. (MHz)	122.0	177.5	242.0	249.5
Limit (dB)	40.4	37.8	35.6	35.4
Worst Pair	78	45	78	45
PS NEXT (dB)	11.2	9.8	12.7	10.1
Freq. (MHz)	122.0	177.5	242.5	242.0
Limit (dB)	37.9	35.2	32.9	32.9

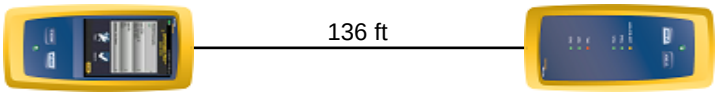
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	15.2	14.7	15.2	14.8
Freq. (MHz)	249.0	249.0	249.0	249.5
Limit (dB)	16.3	16.3	16.3	16.2
Worst Pair	36	36	45	45
PS ACR-F (dB)	15.5	15.3	17.8	15.7
Freq. (MHz)	1.1	1.0	250.0	249.5
Limit (dB)	60.2	61.2	13.2	13.2

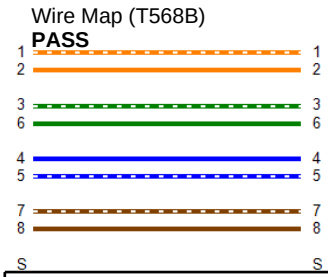
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	45-78	45-78
ACR-N (dB)	19.3	18.7	28.4	29.2
Freq. (MHz)	10.3	5.8	242.0	249.5
Limit (dB)	52.0	57.4	5.0	4.3
Worst Pair	36	78	45	45
PS ACR-N (dB)	19.5	19.1	29.6	26.9
Freq. (MHz)	15.5	5.8	242.0	242.0
Limit (dB)	45.5	55.1	2.4	2.4

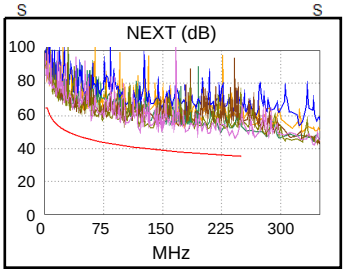
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	36
RL (dB)	5.0	4.3	6.4	6.1
Freq. (MHz)	16.5	121.0	234.0	223.5
Limit (dB)	19.9	13.2	10.3	10.5

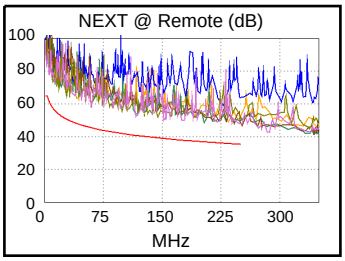
Compliant Network Standards:

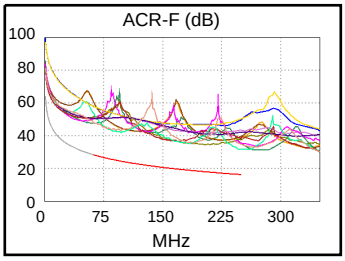
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

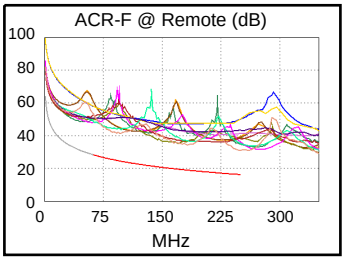


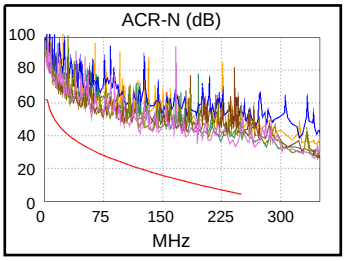


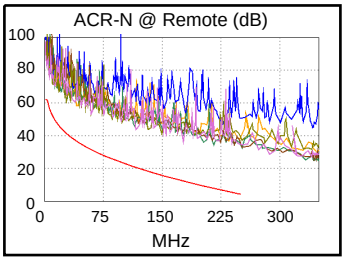


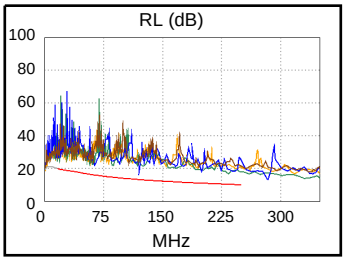


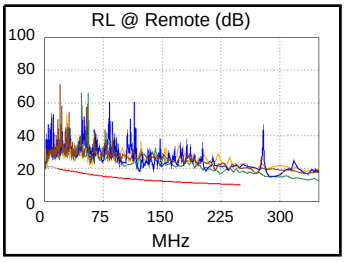












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 103

Date / Time: 05/24/2019 05:52:43 PM
Headroom 7.3 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	131
Prop. Delay (ns), Limit 498	[Pair 45]	205
Delay Skew (ns), Limit 44	[Pair 45]	12
Resistance (ohms)	[Pair 45]	6.72
Insertion Loss Margin (dB)	[Pair 36]	17.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.3	7.4	7.9	7.4
Freq. (MHz)	58.3	241.0	233.5	241.0
Limit (dB)	45.6	35.6	35.8	35.6
Worst Pair	45	45	45	36
PS NEXT (dB)	8.8	8.2	9.8	8.3
Freq. (MHz)	206.5	233.0	235.5	241.0
Limit (dB)	34.1	33.2	33.1	33.0

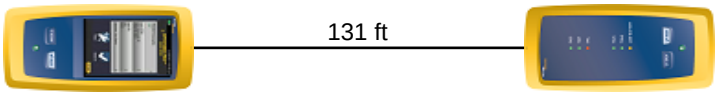
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	14.4	14.7	14.4	14.7
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.3	15.3	16.1	15.9
Freq. (MHz)	1.6	1.5	250.0	250.0
Limit (dB)	57.0	57.7	13.2	13.2

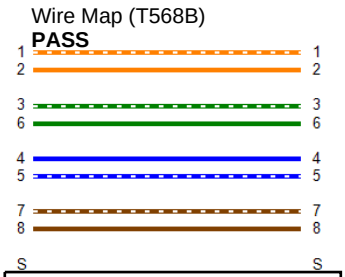
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	13.6	13.7	24.8	24.6
Freq. (MHz)	7.5	7.1	233.5	241.0
Limit (dB)	55.0	55.5	5.9	5.1
Worst Pair	45	45	45	36
PS ACR-N (dB)	14.4	14.2	27.2	25.3
Freq. (MHz)	7.5	7.4	241.0	241.0
Limit (dB)	52.7	52.8	2.5	2.5

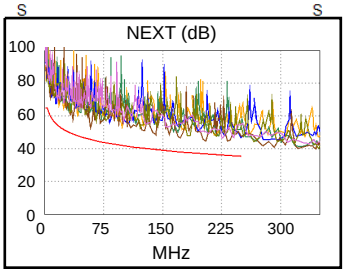
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.0	6.0	5.0	6.0
Freq. (MHz)	212.0	250.0	212.0	250.0
Limit (dB)	10.7	10.0	10.7	10.0

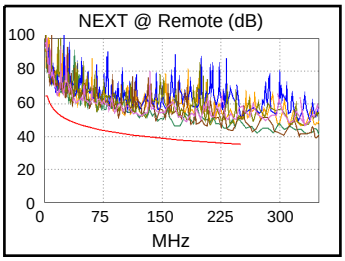
Compliant Network Standards:

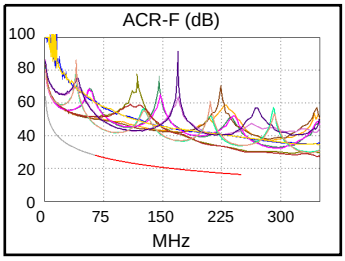
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

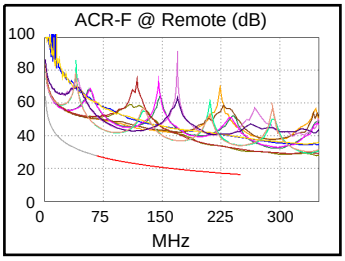


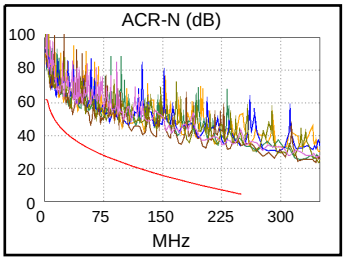


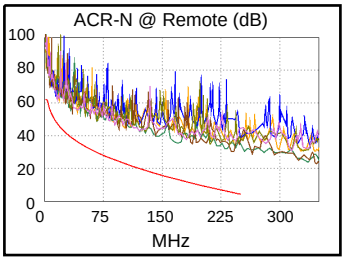


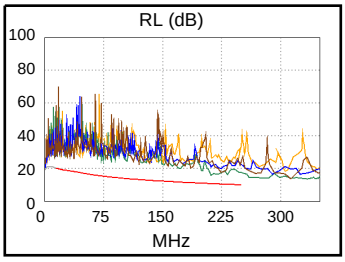


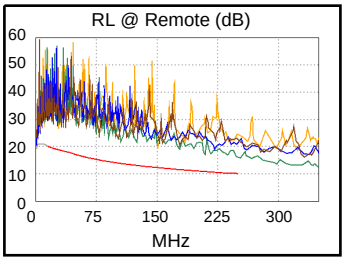












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 104

Date / Time: 05/03/2019 10:44:26 PM
Headroom 6.4 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	196
Prop. Delay (ns), Limit 498	[Pair 45]	306
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 45]	9.92
Insertion Loss Margin (dB)	[Pair 36]	10.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
NEXT (dB)	7.4	6.4	7.7	6.4
Freq. (MHz)	7.4	242.0	236.0	242.0
Limit (dB)	59.9	35.6	35.7	35.6
Worst Pair	36	36	45	36
PS NEXT (dB)	8.2	7.9	9.5	7.9
Freq. (MHz)	7.4	242.0	236.0	242.0
Limit (dB)	57.6	32.9	33.1	32.9

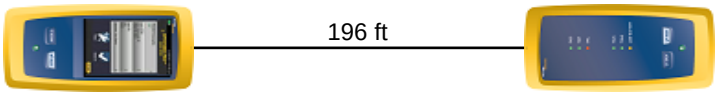
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	45-36
ACR-F (dB)	9.6	9.5	11.0	10.5
Freq. (MHz)	178.5	180.5	230.0	217.0
Limit (dB)	19.2	19.1	17.0	17.5
Worst Pair	45	36	45	45
PS ACR-F (dB)	11.3	11.5	12.4	12.5
Freq. (MHz)	170.5	153.5	224.5	227.0
Limit (dB)	16.6	17.5	14.2	14.1

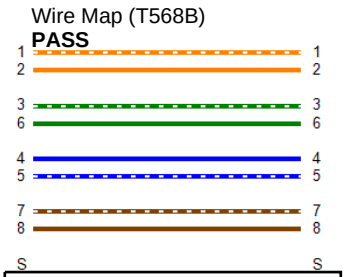
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	8.9	9.0	17.7	16.6
Freq. (MHz)	7.4	7.4	236.0	242.0
Limit (dB)	55.2	55.2	5.7	5.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	9.8	9.6	19.4	17.8
Freq. (MHz)	7.4	7.4	236.0	242.0
Limit (dB)	52.8	52.8	3.0	2.4

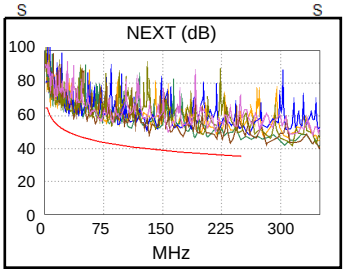
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	36
RL (dB)	5.6	6.4	5.6	6.5
Freq. (MHz)	196.0	178.5	196.0	240.5
Limit (dB)	11.1	11.5	11.1	10.2

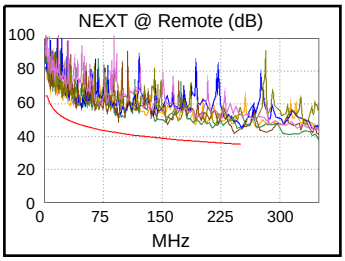
Compliant Network Standards:

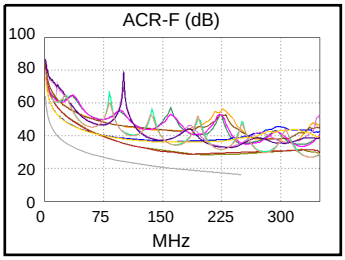
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

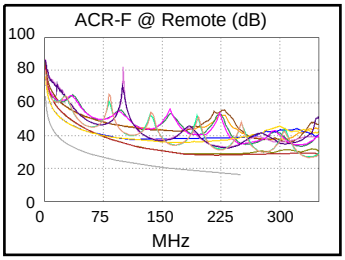


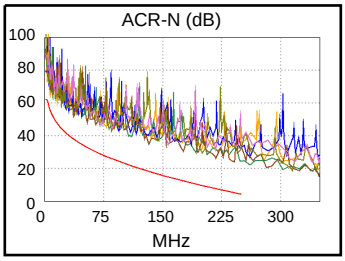


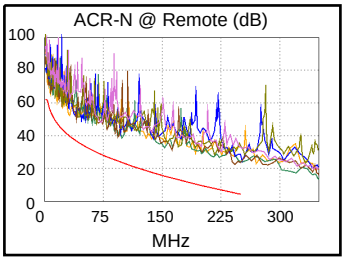


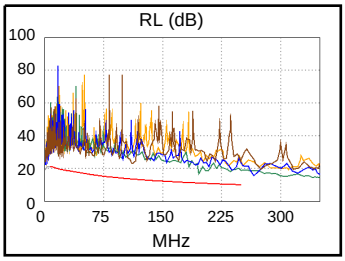


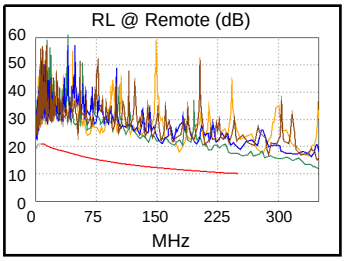












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 105

Date / Time: 05/03/2019 10:44:52 PM
Headroom 5.4 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	196
Prop. Delay (ns), Limit 498	[Pair 45]	306
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 45]	9.88
Insertion Loss Margin (dB)	[Pair 36]	10.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	6.8	5.4	6.8	6.3
Freq. (MHz)	226.5	210.0	226.5	246.5
Limit (dB)	36.0	36.6	36.0	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	9.0	6.1	9.0	6.2
Freq. (MHz)	227.0	238.0	227.0	238.5
Limit (dB)	33.4	33.1	33.4	33.0

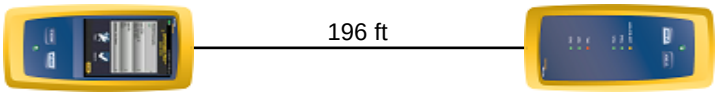
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	12.4	12.3	13.5	13.2
Freq. (MHz)	174.5	180.5	237.0	236.5
Limit (dB)	19.4	19.1	16.7	16.7
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.3	13.9	14.0	13.9
Freq. (MHz)	174.5	225.0	225.0	225.0
Limit (dB)	16.4	14.1	14.1	14.1

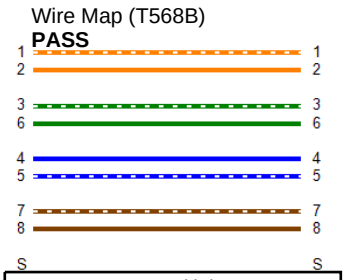
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
ACR-N (dB)	11.3	11.3	16.6	16.5
Freq. (MHz)	8.4	29.6	226.5	246.5
Limit (dB)	54.0	40.7	6.7	4.6
Worst Pair	36	12	36	45
PS ACR-N (dB)	12.4	11.8	18.8	16.3
Freq. (MHz)	13.3	29.0	226.5	238.5
Limit (dB)	47.1	38.5	4.0	2.8

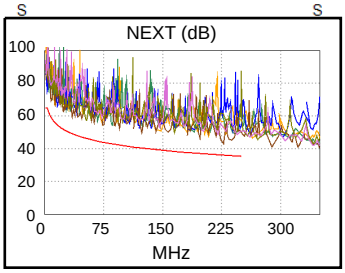
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.6	4.8	6.7	4.8
Freq. (MHz)	216.5	196.0	235.0	196.0
Limit (dB)	10.6	11.1	10.3	11.1

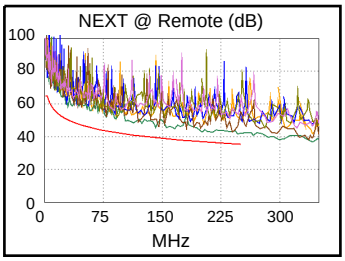
Compliant Network Standards:

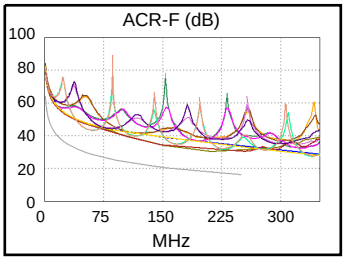
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

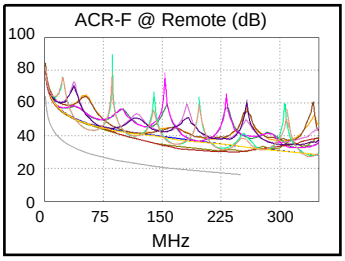


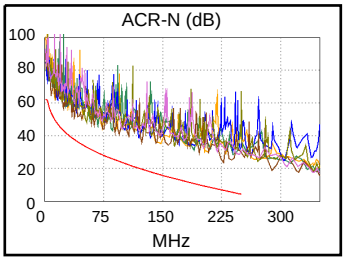


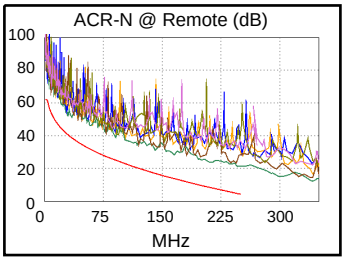


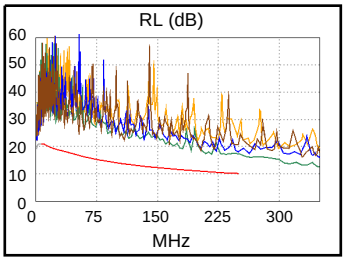


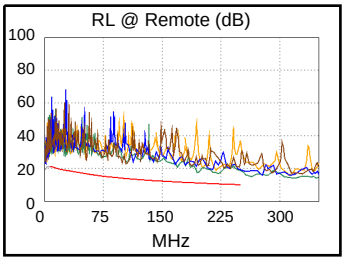












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 106

Date / Time: 05/04/2019 04:13:42 PM
Headroom 6.8 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	210
Prop. Delay (ns), Limit 498	[Pair 45]	330
Delay Skew (ns), Limit 44	[Pair 45]	20
Resistance (ohms)	[Pair 45]	10.68
Insertion Loss Margin (dB)	[Pair 36]	9.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.8	7.9	7.6	8.3
Freq. (MHz)	175.5	179.5	205.0	238.0
Limit (dB)	37.9	37.7	36.8	35.7
Worst Pair	36	36	45	45
PS NEXT (dB)	8.7	9.0	10.0	9.2
Freq. (MHz)	176.5	183.5	244.0	234.5
Limit (dB)	35.2	34.9	32.9	33.2

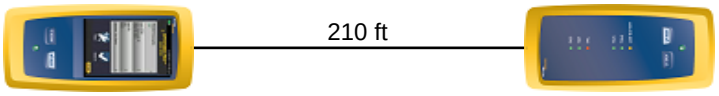
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	6.8	6.8	7.2	8.4
Freq. (MHz)	172.0	161.0	200.0	223.5
Limit (dB)	19.5	20.1	18.2	17.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	9.5	9.4	10.1	9.7
Freq. (MHz)	187.0	158.0	206.0	200.0
Limit (dB)	15.8	17.2	14.9	15.2

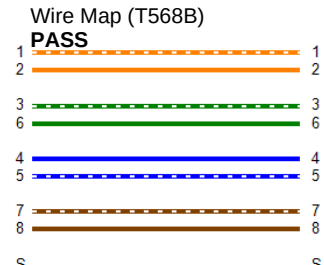
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-78
ACR-N (dB)	11.4	11.0	19.1	17.4
Freq. (MHz)	3.3	3.4	243.5	237.5
Limit (dB)	61.8	61.8	4.9	5.5
Worst Pair	36	36	45	45
PS ACR-N (dB)	11.1	11.8	19.3	18.3
Freq. (MHz)	4.9	10.4	244.0	234.5
Limit (dB)	56.6	49.6	2.2	3.2

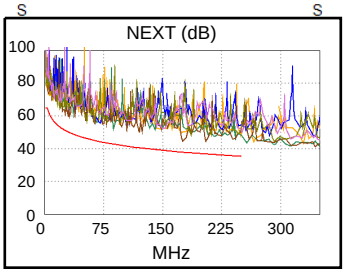
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	36
RL (dB)	5.9	6.5	5.9	7.2
Freq. (MHz)	248.0	42.5	248.0	239.5
Limit (dB)	10.1	17.7	10.1	10.2

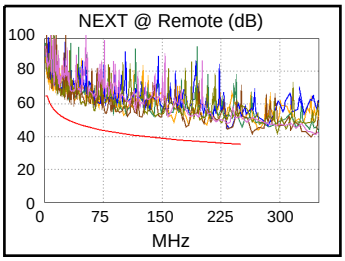
Compliant Network Standards:

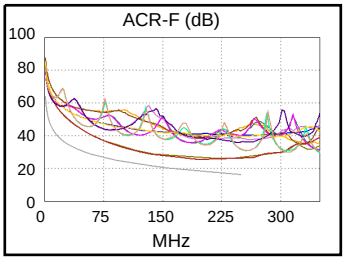
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

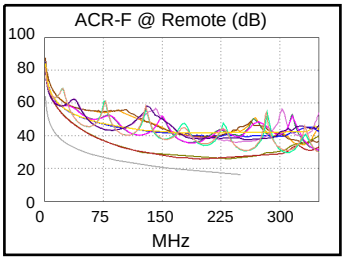


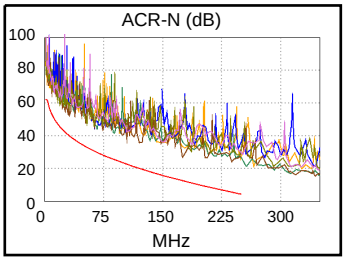


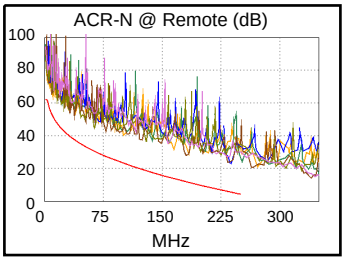


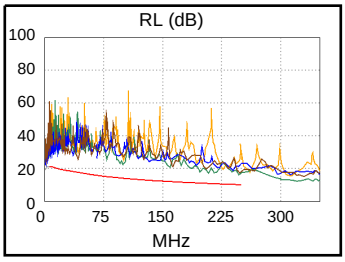


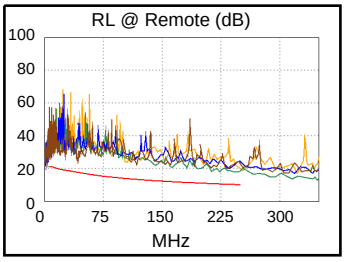












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 107

Date / Time: 05/03/2019 10:46:14 PM
Headroom 4.3 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	211
Prop. Delay (ns), Limit 498	[Pair 45]	330
Delay Skew (ns), Limit 44	[Pair 45]	19
Resistance (ohms)	[Pair 45]	10.75
Insertion Loss Margin (dB)	[Pair 36]	9.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.3	4.7	4.3	4.7
Freq. (MHz)	186.5	229.0	186.5	229.0
Limit (dB)	37.4	36.0	37.4	36.0
Worst Pair	36	36	36	36
PS NEXT (dB)	6.0	6.4	6.9	6.4
Freq. (MHz)	186.5	228.5	247.0	228.5
Limit (dB)	34.8	33.4	32.8	33.4

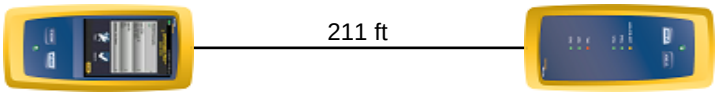
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	8.7	8.5	10.1	9.5
Freq. (MHz)	163.5	159.0	210.5	201.5
Limit (dB)	19.9	20.2	17.7	18.1
Worst Pair	45	45	45	45
PS ACR-F (dB)	10.5	11.0	12.2	12.3
Freq. (MHz)	163.5	155.5	210.5	207.0
Limit (dB)	16.9	17.4	14.7	14.9

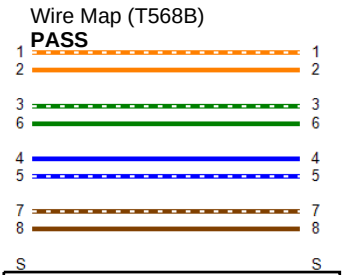
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-45
ACR-N (dB)	11.0	11.8	15.4	13.8
Freq. (MHz)	5.0	8.4	244.5	229.0
Limit (dB)	58.6	54.0	4.8	6.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	11.8	11.8	16.0	15.3
Freq. (MHz)	5.0	11.8	247.0	228.5
Limit (dB)	56.3	48.4	1.9	3.8

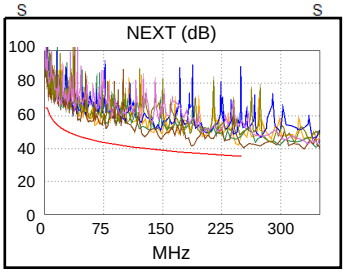
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.3	6.0	6.3	6.4
Freq. (MHz)	243.5	194.5	243.5	250.0
Limit (dB)	10.1	11.1	10.1	10.0

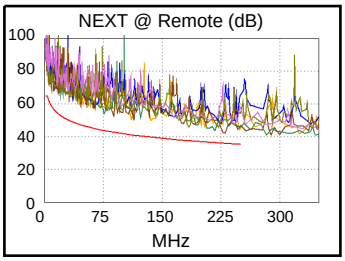
Compliant Network Standards:

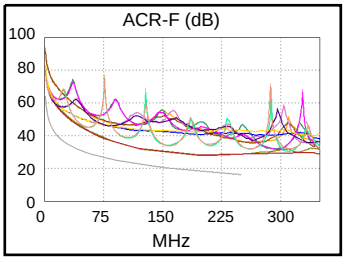
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

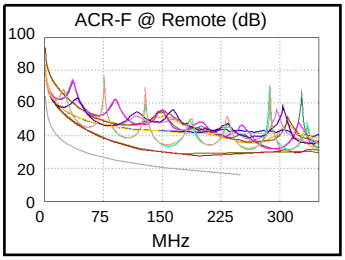


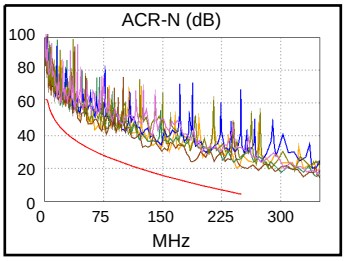


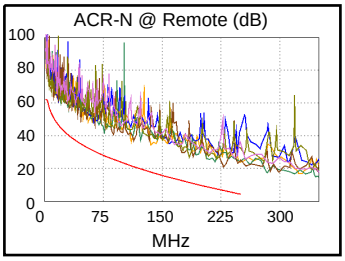


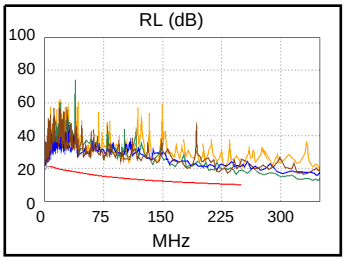


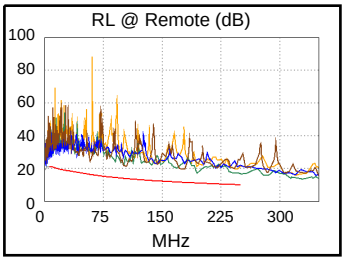












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 108

Date / Time: 05/03/2019 10:47:36 PM
Headroom 6.7 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	111
Prop. Delay (ns), Limit 498	[Pair 45]	174
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 45]	5.68
Insertion Loss Margin (dB)	[Pair 36]	19.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.7	7.3	7.2	7.3
Freq. (MHz)	177.5	173.5	236.0	173.5
Limit (dB)	37.8	37.9	35.7	37.9
Worst Pair	45	36	45	36
PS NEXT (dB)	7.2	9.0	8.1	9.0
Freq. (MHz)	174.5	173.5	236.0	173.5
Limit (dB)	35.3	35.3	33.1	35.3

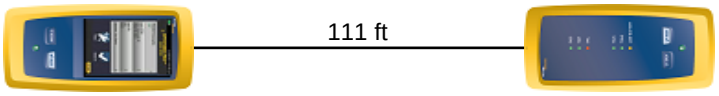
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	36-45	45-36
ACR-F (dB)	12.8	12.7	12.9	12.7
Freq. (MHz)	248.0	250.0	250.0	250.0
Limit (dB)	16.3	16.2	16.2	16.2
Worst Pair	45	45	45	36
PS ACR-F (dB)	14.5	14.4	15.2	15.1
Freq. (MHz)	217.0	207.0	249.5	250.0
Limit (dB)	14.5	14.9	13.2	13.2

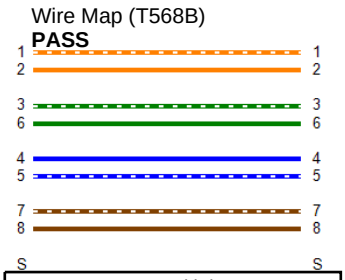
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	36-45	12-36
ACR-N (dB)	14.3	15.6	26.1	27.3
Freq. (MHz)	7.8	12.9	236.0	217.0
Limit (dB)	54.7	49.8	5.7	7.7
Worst Pair	45	45	36	12
PS ACR-N (dB)	14.3	15.6	27.1	32.0
Freq. (MHz)	7.8	12.1	236.5	250.0
Limit (dB)	52.4	48.0	3.0	1.6

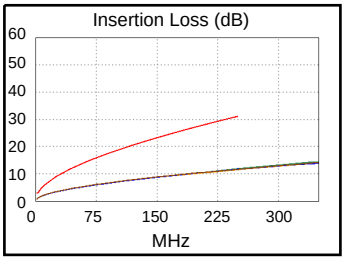
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.5	5.6	5.5	5.6
Freq. (MHz)	249.0	228.0	249.0	228.0
Limit (dB)	10.0	10.4	10.0	10.4

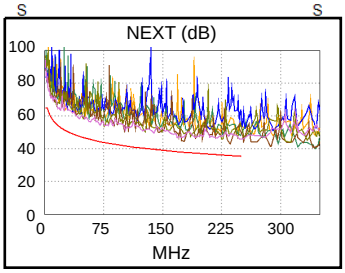
Compliant Network Standards:

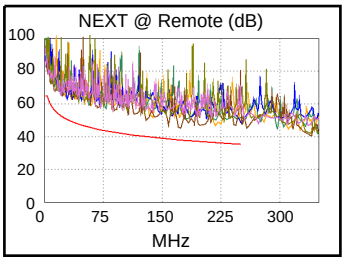
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

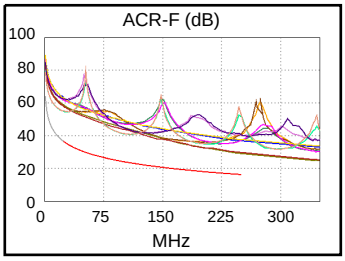


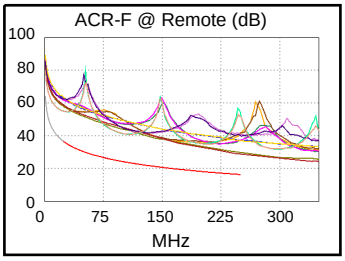


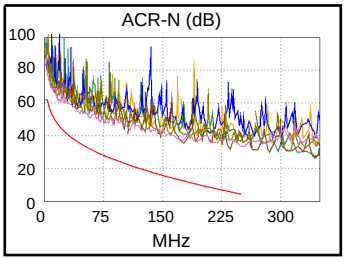


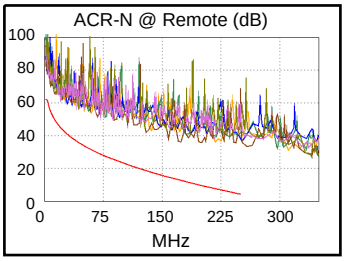


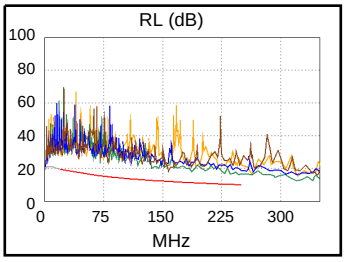


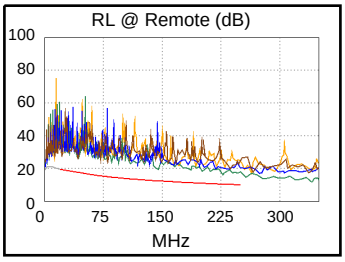












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 109

Date / Time: 05/03/2019 10:47:57 PM
Headroom 6.0 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	111
Prop. Delay (ns), Limit 498	[Pair 45]	173
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.71
Insertion Loss Margin (dB)	[Pair 36]	19.0
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.0	6.9	6.0	6.9
Freq. (MHz)	227.0	231.0	227.0	231.0
Limit (dB)	36.0	35.9	36.0	35.9
Worst Pair	36	36	36	36
PS NEXT (dB)	5.8	8.4	5.8	8.4
Freq. (MHz)	229.0	230.5	229.0	230.5
Limit (dB)	33.3	33.3	33.3	33.3

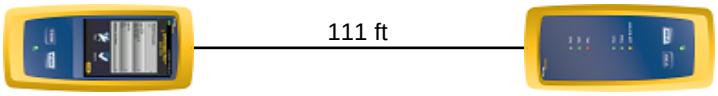
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-36	45-36
ACR-F (dB)	15.1	15.2	16.4	16.5
Freq. (MHz)	203.0	206.0	249.0	250.0
Limit (dB)	18.0	17.9	16.3	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.0	15.3	16.1	16.3
Freq. (MHz)	1.0	1.0	214.0	222.0
Limit (dB)	61.2	61.2	14.6	14.3

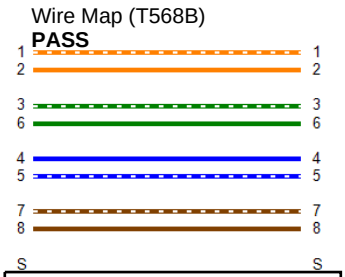
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	14.0	14.8	24.5	25.6
Freq. (MHz)	14.3	14.4	227.0	231.0
Limit (dB)	48.8	48.7	6.6	6.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.7	15.0	24.2	26.9
Freq. (MHz)	8.9	8.6	229.0	230.5
Limit (dB)	51.1	51.4	3.8	3.6

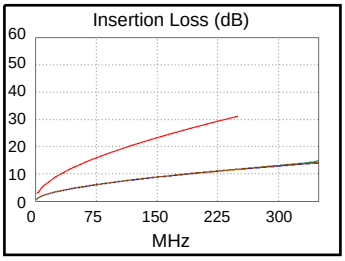
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.9	5.0	6.3	5.0
Freq. (MHz)	201.5	243.0	249.0	243.0
Limit (dB)	11.0	10.1	10.0	10.1

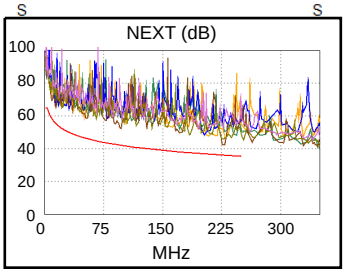
Compliant Network Standards:

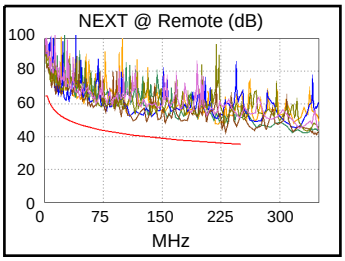
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

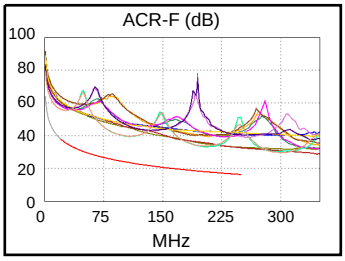


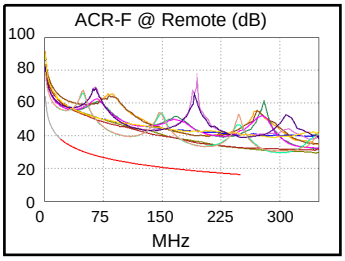


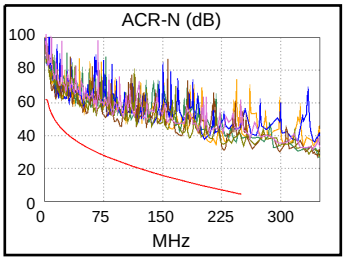


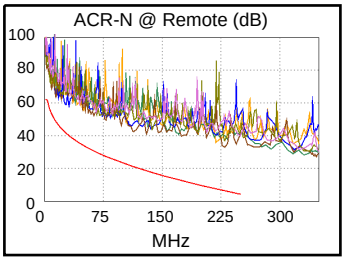


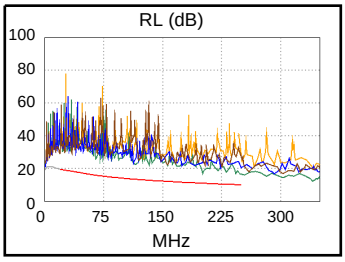


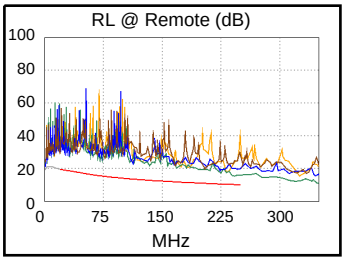












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 110

Date / Time: 05/03/2019 10:48:50 PM
Headroom 7.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	67
Prop. Delay (ns), Limit 498	[Pair 45]	104
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.47
Insertion Loss Margin (dB)	[Pair 36]	23.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
NEXT (dB)	7.7	7.5	7.7	7.6
Freq. (MHz)	222.0	221.5	222.0	231.5
Limit (dB)	36.2	36.2	36.2	35.9
Worst Pair	45	45	45	45
PS NEXT (dB)	9.1	7.7	9.1	7.8
Freq. (MHz)	222.5	231.5	222.5	232.0
Limit (dB)	33.5	33.3	33.5	33.2

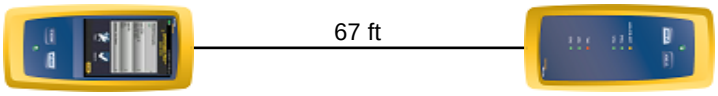
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	13.5	13.5	16.6	16.4
Freq. (MHz)	3.8	3.8	250.0	250.0
Limit (dB)	52.7	52.7	16.2	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	13.4	13.4	16.9	16.4
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	60.2	60.2	13.2	13.2

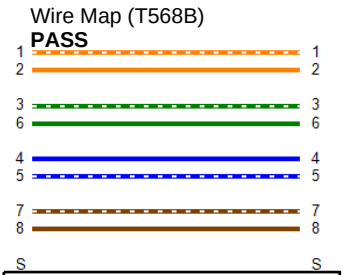
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
ACR-N (dB)	18.3	18.2	30.3	30.8
Freq. (MHz)	3.6	7.1	222.0	231.5
Limit (dB)	61.4	55.5	7.1	6.1
Worst Pair	36	36	45	45
PS ACR-N (dB)	17.7	18.3	31.6	30.9
Freq. (MHz)	4.5	3.9	222.5	232.0
Limit (dB)	57.3	58.5	4.5	3.5

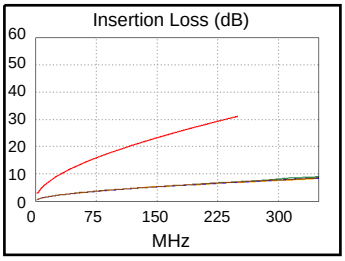
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.3	4.3	4.3	4.3
Freq. (MHz)	228.0	193.0	228.0	193.0
Limit (dB)	10.4	11.1	10.4	11.1

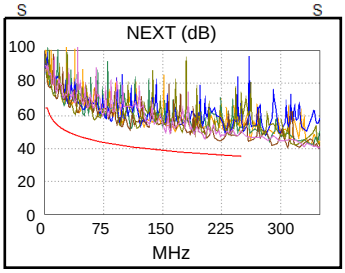
Compliant Network Standards:

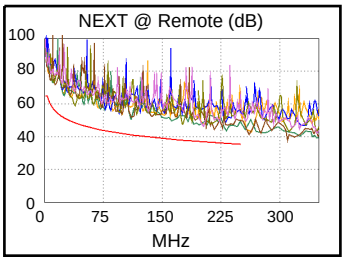
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

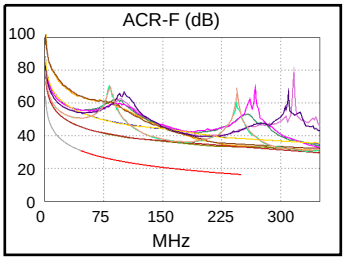


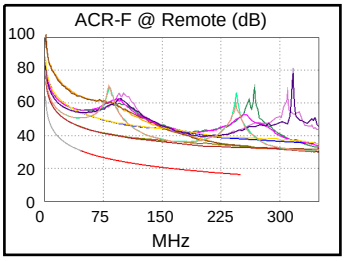


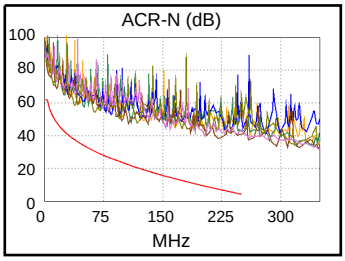


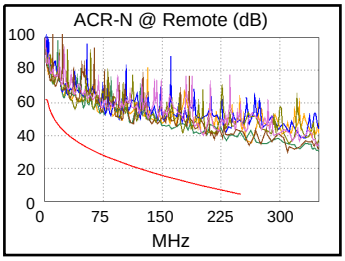


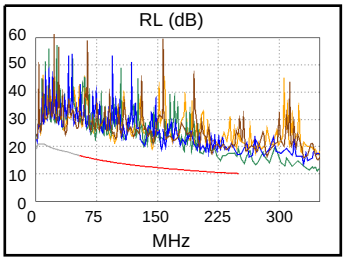


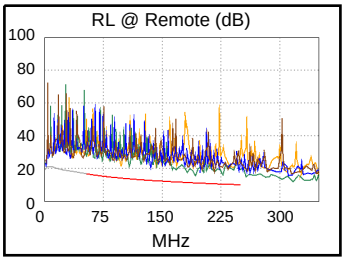












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 111

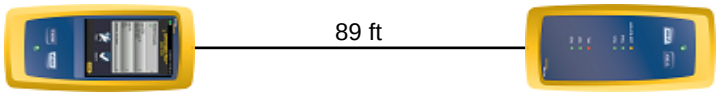
Date / Time: 05/04/2019 12:59:11 AM
Headroom 2.8 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

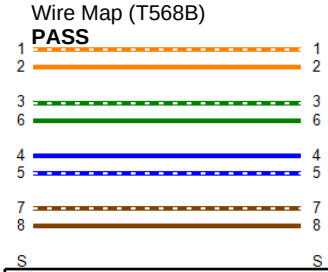
Test Summary: PASS

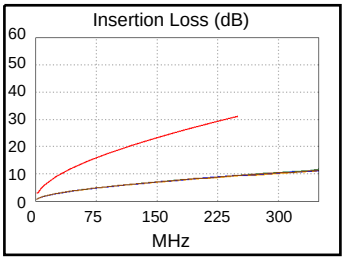
Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	89
Prop. Delay (ns), Limit 498	[Pair 45]	140
Delay Skew (ns), Limit 44	[Pair 45]	9
Resistance (ohms)	[Pair 45]	4.60
Insertion Loss Margin (dB)	[Pair 36]	21.2
Frequency (MHz)	[Pair 36]	247.0
Limit (dB)	[Pair 36]	30.9

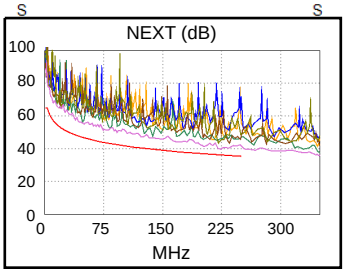


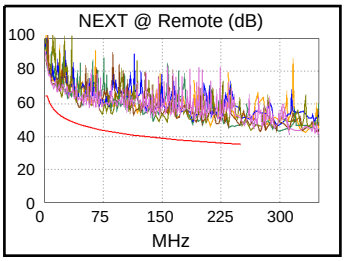
Wire Map (T568B)



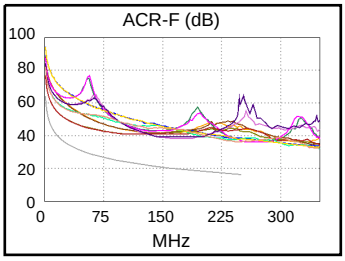


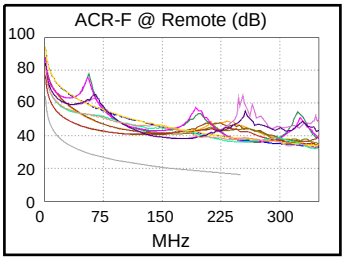
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	12-36
NEXT (dB)	2.8	8.8	2.8	8.8
Freq. (MHz)	222.5	213.0	222.5	213.0
Limit (dB)	36.2	36.5	36.2	36.5
Worst Pair	78	45	45	45
PS NEXT (dB)	4.2	10.0	4.5	10.0
Freq. (MHz)	222.0	235.0	235.0	235.0
Limit (dB)	33.6	33.2	33.2	33.2



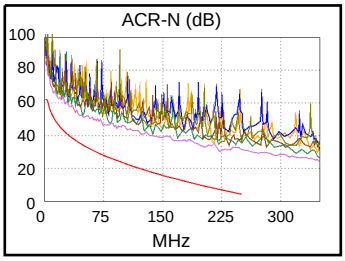


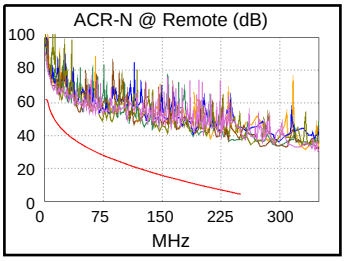
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-45	45-78
ACR-F (dB)	13.9	13.9	19.8	19.9
Freq. (MHz)	4.1	4.4	250.0	250.0
Limit (dB)	51.9	51.4	16.2	16.2
Worst Pair	45	45	45	78
PS ACR-F (dB)	14.3	14.4	19.7	20.2
Freq. (MHz)	1.1	1.0	250.0	246.5
Limit (dB)	60.2	61.2	13.2	13.4



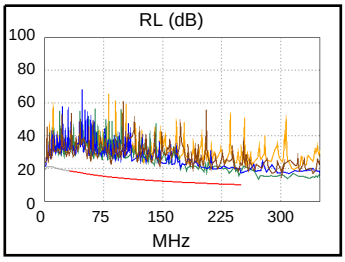


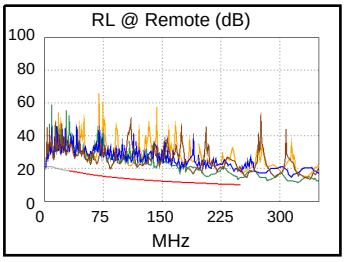
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-45
ACR-N (dB)	14.7	16.9	23.3	31.1
Freq. (MHz)	11.0	11.5	222.5	235.5
Limit (dB)	51.4	50.9	7.1	5.7
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.3	16.5	25.8	32.5
Freq. (MHz)	11.3	10.0	235.0	250.0
Limit (dB)	48.8	49.9	3.1	1.6





PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.4	2.8	5.4	2.8
Freq. (MHz)	247.0	247.0	247.0	247.0
Limit (dB)	10.1	10.1	10.1	10.1





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 112

Date / Time: 05/04/2019 04:03:52 PM
Headroom 8.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	53
Prop. Delay (ns), Limit 498	[Pair 45]	83
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 36]	2.79
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
NEXT (dB)	8.5	9.6	9.5	9.6
Freq. (MHz)	150.5	199.0	249.5	199.0
Limit (dB)	38.9	37.0	35.4	37.0
Worst Pair	12	36	45	36
PS NEXT (dB)	9.2	11.0	9.6	11.9
Freq. (MHz)	150.5	198.5	228.5	227.5
Limit (dB)	36.4	34.4	33.4	33.4

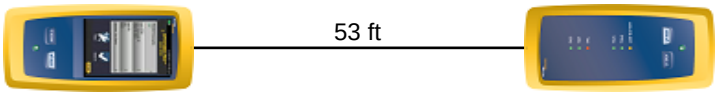
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	78-45	78-45
ACR-F (dB)	19.0	18.9	19.6	19.5
Freq. (MHz)	8.5	8.5	244.0	243.5
Limit (dB)	45.6	45.6	16.4	16.5
Worst Pair	78	78	45	45
PS ACR-F (dB)	17.5	17.5	20.0	19.9
Freq. (MHz)	1.0	1.1	249.5	242.5
Limit (dB)	61.2	60.2	13.2	13.5

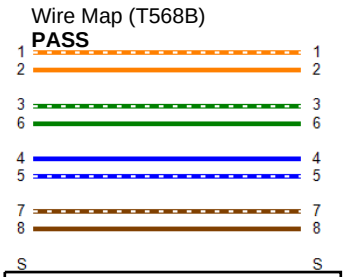
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	36-45
ACR-N (dB)	19.4	19.7	34.7	31.7
Freq. (MHz)	3.5	4.0	249.5	199.0
Limit (dB)	61.7	60.6	4.3	9.7
Worst Pair	36	12	45	36
PS ACR-N (dB)	19.9	20.6	33.7	35.8
Freq. (MHz)	20.5	4.0	228.5	227.5
Limit (dB)	42.5	58.3	3.8	3.9

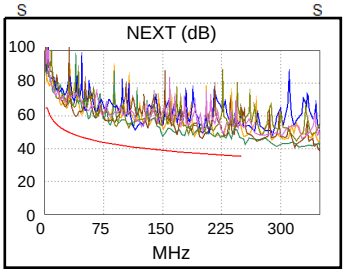
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.1	4.6	5.1	4.6
Freq. (MHz)	248.0	248.0	248.0	248.0
Limit (dB)	10.1	10.1	10.1	10.1

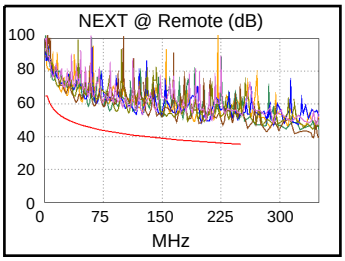
Compliant Network Standards:

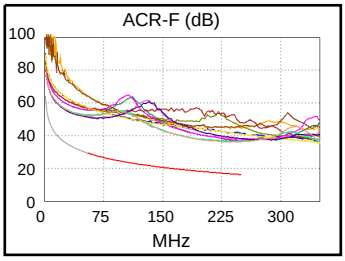
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

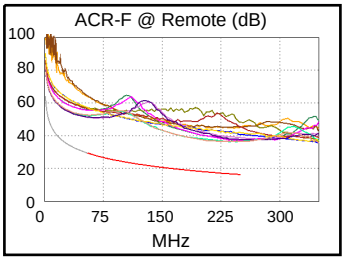


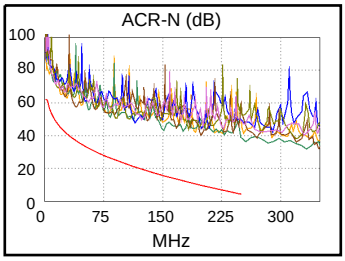


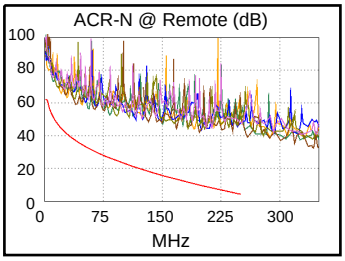


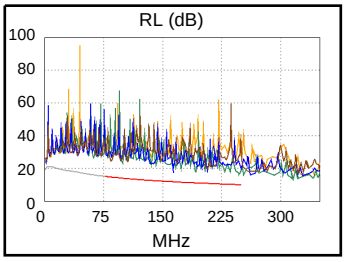


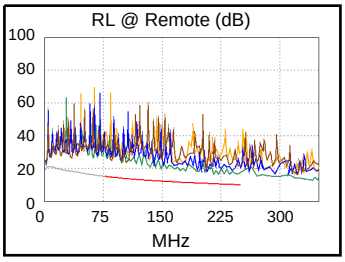












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 113

Date / Time: 05/03/2019 10:53:55 PM
Headroom 7.3 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	53
Prop. Delay (ns), Limit 498	[Pair 45]	83
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 36]	2.79
Insertion Loss Margin (dB)	[Pair 36]	25.0
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-45	12-45
NEXT (dB)	8.4	7.3	8.6	7.4
Freq. (MHz)	224.0	151.0	242.0	234.5
Limit (dB)	36.1	38.9	35.6	35.8
Worst Pair	36	45	36	45
PS NEXT (dB)	8.8	8.0	8.8	8.4
Freq. (MHz)	224.0	181.5	224.0	235.0
Limit (dB)	33.5	35.0	33.5	33.2

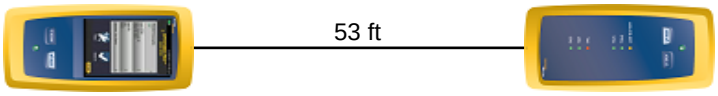
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	11.3	11.3	16.1	16.2
Freq. (MHz)	3.3	3.3	215.5	215.5
Limit (dB)	54.0	54.0	17.5	17.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.3	12.3	17.1	16.7
Freq. (MHz)	1.3	1.3	231.5	223.0
Limit (dB)	59.3	59.3	13.9	14.2

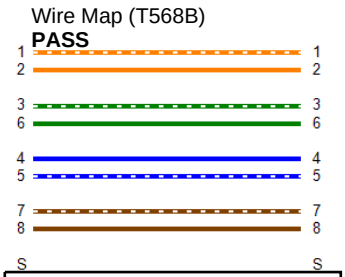
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	12-45
ACR-N (dB)	17.3	17.4	33.5	31.8
Freq. (MHz)	11.9	13.0	242.0	234.5
Limit (dB)	50.6	49.7	5.0	5.8
Worst Pair	78	36	36	45
PS ACR-N (dB)	17.6	17.5	32.6	32.9
Freq. (MHz)	11.9	13.8	224.0	235.0
Limit (dB)	48.2	46.8	4.3	3.1

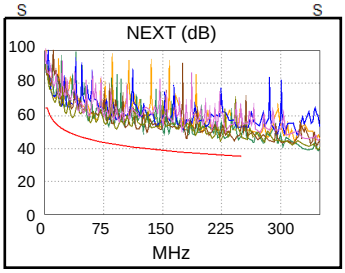
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	5.8	6.0	6.0
Freq. (MHz)	236.5	237.0	249.0	243.0
Limit (dB)	10.3	10.3	10.0	10.1

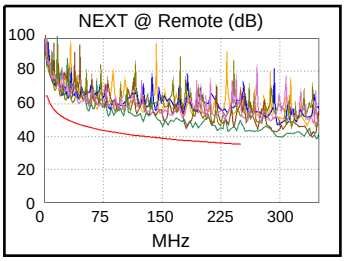
Compliant Network Standards:

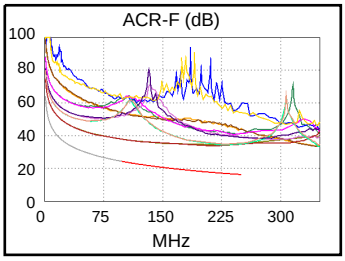
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

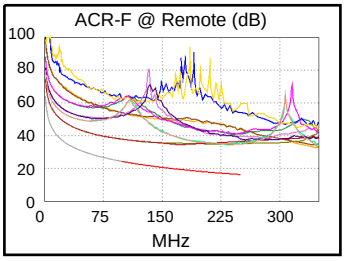


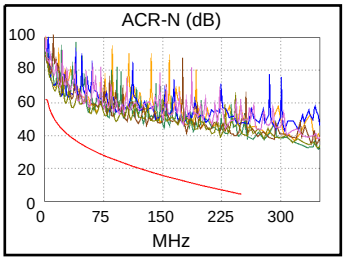


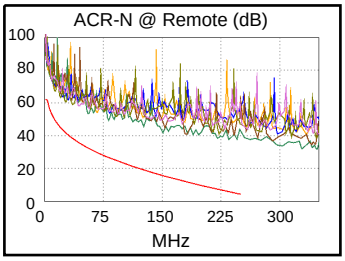


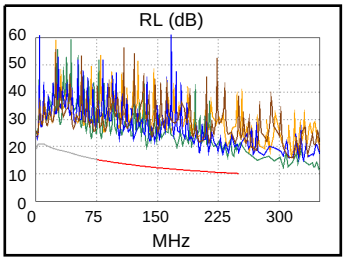


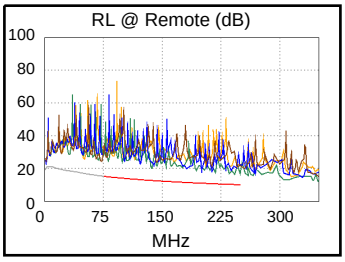












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 114

Date / Time: 05/03/2019 10:55:04 PM
Headroom 6.0 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	55
Prop. Delay (ns), Limit 498	[Pair 45]	86
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 45]	2.87
Insertion Loss Margin (dB)	[Pair 36]	24.6
Frequency (MHz)	[Pair 36]	246.0
Limit (dB)	[Pair 36]	30.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.0	6.0	7.5	7.4
Freq. (MHz)	183.0	183.0	250.0	250.0
Limit (dB)	37.6	37.6	35.3	35.3
Worst Pair	12	12	36	36
PS NEXT (dB)	7.6	7.7	8.2	7.9
Freq. (MHz)	182.5	183.0	250.0	250.0
Limit (dB)	35.0	35.0	32.7	32.7

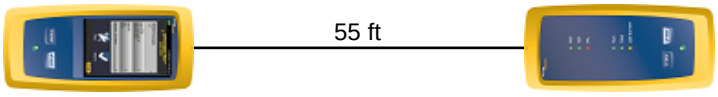
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	16.6	16.7	17.4	17.4
Freq. (MHz)	203.0	203.5	230.5	229.5
Limit (dB)	18.0	18.0	16.9	17.0
Worst Pair	45	78	78	45
PS ACR-F (dB)	17.1	16.8	18.9	18.8
Freq. (MHz)	1.0	1.0	231.5	234.0
Limit (dB)	61.2	61.2	13.9	13.8

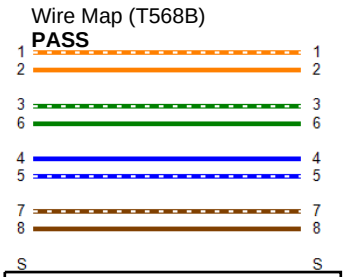
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	17.3	18.3	32.5	32.4
Freq. (MHz)	12.6	12.3	250.0	250.0
Limit (dB)	50.0	50.3	4.2	4.2
Worst Pair	12	12	36	36
PS ACR-N (dB)	17.0	17.6	33.2	32.9
Freq. (MHz)	12.3	12.1	250.0	250.0
Limit (dB)	47.9	48.0	1.6	1.6

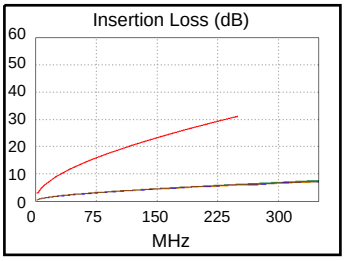
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.7	4.2	4.3	4.8
Freq. (MHz)	203.0	203.0	245.5	245.5
Limit (dB)	10.9	10.9	10.1	10.1

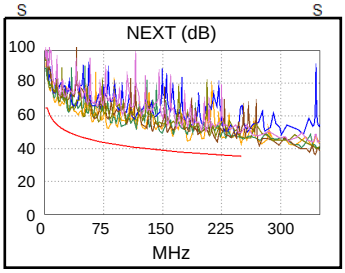
Compliant Network Standards:

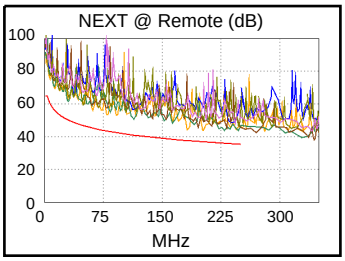
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

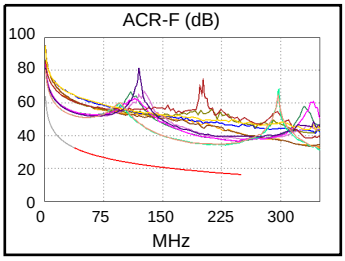


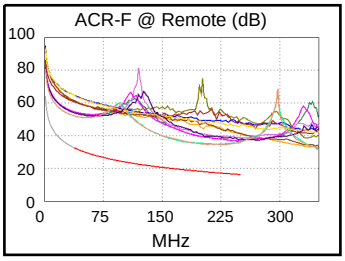


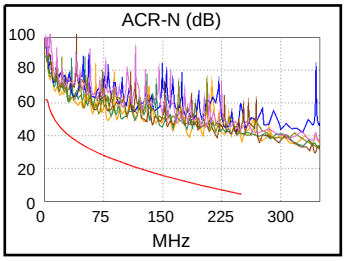


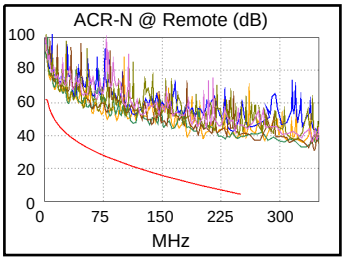


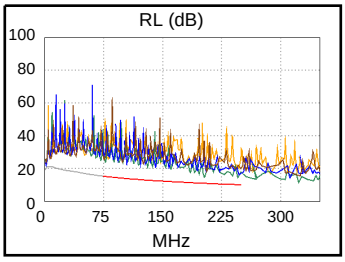


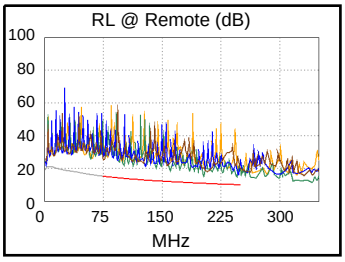












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 115

Date / Time: 05/03/2019 10:55:25 PM
Headroom 6.8 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	54
Prop. Delay (ns), Limit 498	[Pair 45]	85
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 36]	2.86
Insertion Loss Margin (dB)	[Pair 36]	24.9
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.5	6.8	8.5	6.8
Freq. (MHz)	241.5	211.5	241.5	211.5
Limit (dB)	35.6	36.5	35.6	36.5
Worst Pair	36	36	36	36
PS NEXT (dB)	9.3	8.1	9.4	8.1
Freq. (MHz)	241.5	211.5	242.0	211.5
Limit (dB)	33.0	33.9	32.9	33.9

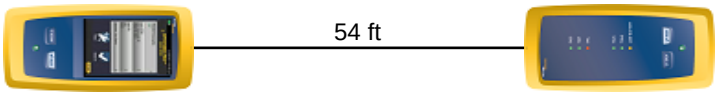
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	45-78
ACR-F (dB)	15.8	15.9	16.1	16.2
Freq. (MHz)	205.0	207.0	218.0	219.0
Limit (dB)	18.0	17.9	17.4	17.4
Worst Pair	78	78	45	45
PS ACR-F (dB)	17.5	17.2	18.4	18.3
Freq. (MHz)	1.4	1.3	231.5	237.5
Limit (dB)	58.4	59.3	13.9	13.7

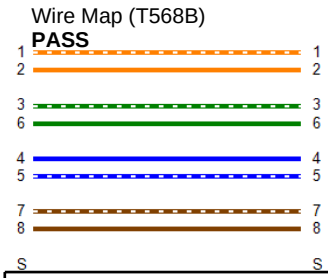
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	19.3	20.2	33.3	29.7
Freq. (MHz)	6.1	6.5	241.5	211.5
Limit (dB)	56.8	56.3	5.1	8.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	19.5	19.2	33.9	31.0
Freq. (MHz)	13.1	5.5	242.0	211.5
Limit (dB)	47.2	55.5	2.4	5.7

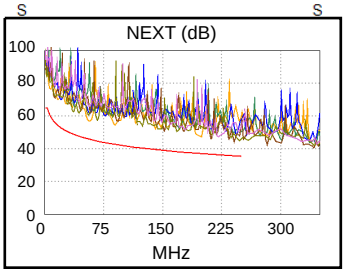
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.8	4.3	3.9	4.3
Freq. (MHz)	243.0	249.0	249.0	249.0
Limit (dB)	10.1	10.0	10.0	10.0

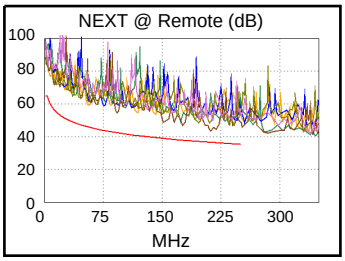
Compliant Network Standards:

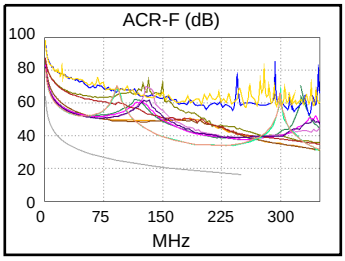
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

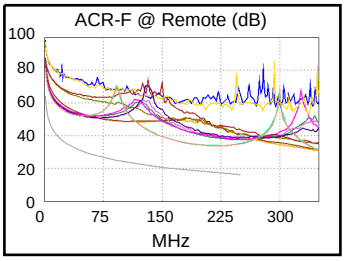


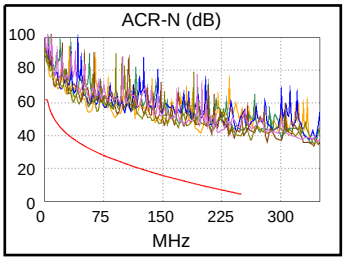


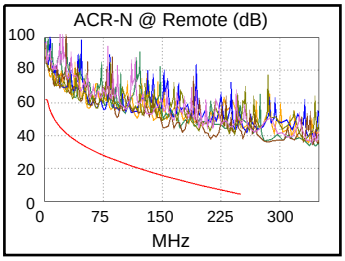


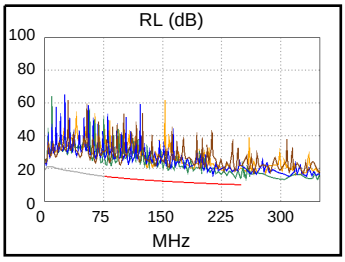


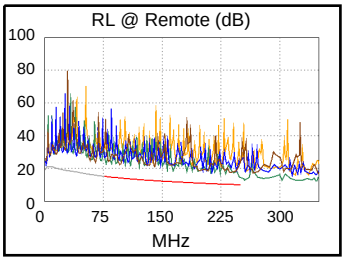












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 116

Date / Time: 05/03/2019 10:55:53 PM
Headroom 6.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	62
Prop. Delay (ns), Limit 498	[Pair 45]	97
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.25
Insertion Loss Margin (dB)	[Pair 36]	23.8
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
NEXT (dB)	6.1	6.9	7.4	7.1
Freq. (MHz)	121.5	121.5	247.5	228.0
Limit (dB)	40.5	40.5	35.4	36.0
Worst Pair	45	36	45	45
PS NEXT (dB)	7.1	8.7	7.1	8.9
Freq. (MHz)	227.5	121.5	227.5	248.5
Limit (dB)	33.4	37.9	33.4	32.7

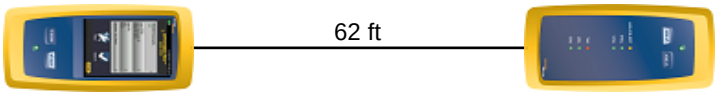
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-12	12-36
ACR-F (dB)	18.1	18.0	20.7	20.3
Freq. (MHz)	7.6	6.6	250.0	250.0
Limit (dB)	46.5	47.8	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.2	17.2	20.2	19.7
Freq. (MHz)	1.0	1.0	243.0	245.0
Limit (dB)	61.2	61.2	13.5	13.4

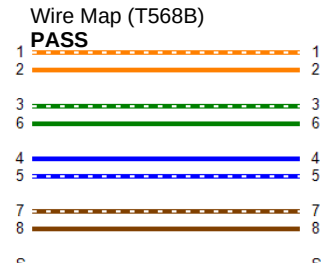
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	36-45
ACR-N (dB)	18.7	18.9	31.8	30.5
Freq. (MHz)	5.1	6.0	247.5	228.0
Limit (dB)	58.4	57.0	4.5	6.5
Worst Pair	36	12	45	45
PS ACR-N (dB)	17.9	18.4	30.5	33.3
Freq. (MHz)	6.1	5.8	227.5	248.5
Limit (dB)	54.5	55.1	3.9	1.8

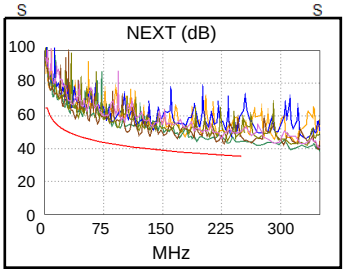
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.3	4.5	4.3	4.5
Freq. (MHz)	239.5	245.0	239.5	245.0
Limit (dB)	10.2	10.1	10.2	10.1

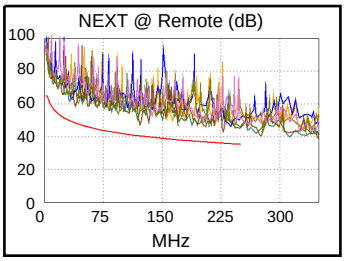
Compliant Network Standards:

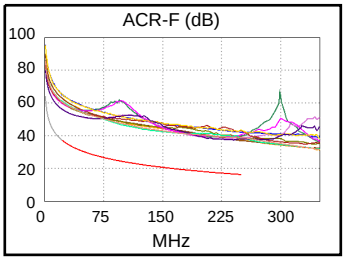
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

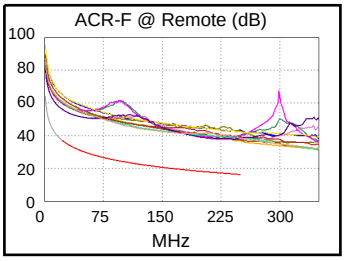


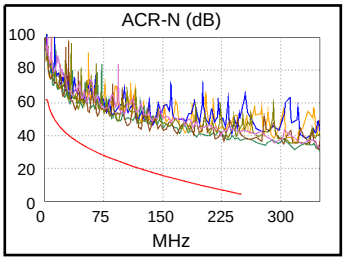


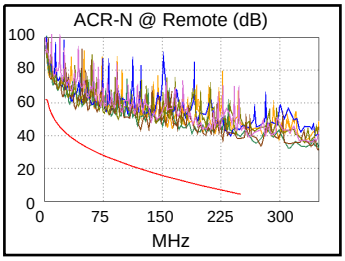


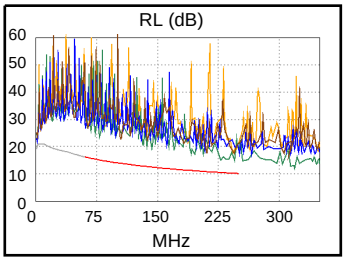


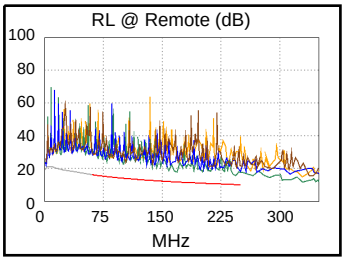












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 117

Date / Time: 05/03/2019 10:56:17 PM
Headroom 6.1 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	61
Prop. Delay (ns), Limit 498	[Pair 45]	96
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.18
Insertion Loss Margin (dB)	[Pair 36]	24.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	7.9	6.1	7.9	6.1
Freq. (MHz)	245.5	248.5	245.5	248.5
Limit (dB)	35.5	35.4	35.5	35.4
Worst Pair	36	45	36	45
PS NEXT (dB)	8.5	6.0	8.5	6.0
Freq. (MHz)	245.0	247.0	245.0	247.0
Limit (dB)	32.9	32.8	32.9	32.8

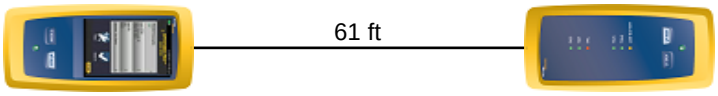
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	36-45	45-36
ACR-F (dB)	16.8	16.8	18.1	17.9
Freq. (MHz)	7.0	7.0	249.0	248.0
Limit (dB)	47.3	47.3	16.3	16.3
Worst Pair	78	78	36	36
PS ACR-F (dB)	15.9	15.6	18.3	17.9
Freq. (MHz)	1.3	1.1	250.0	250.0
Limit (dB)	59.3	60.2	13.2	13.2

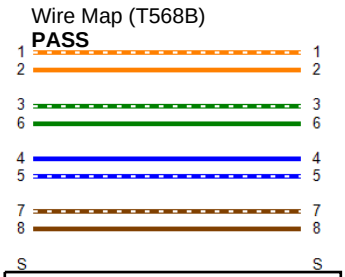
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	12-45
ACR-N (dB)	16.6	17.0	32.3	30.6
Freq. (MHz)	3.6	6.6	245.5	248.5
Limit (dB)	61.4	56.1	4.7	4.4
Worst Pair	36	36	36	45
PS ACR-N (dB)	16.9	17.3	32.7	30.5
Freq. (MHz)	5.6	6.6	245.0	247.5
Limit (dB)	55.3	53.8	2.1	1.9

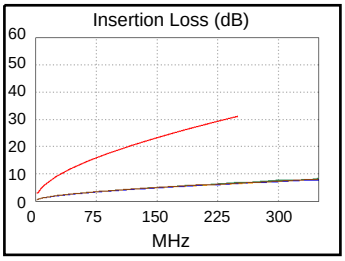
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.4	5.6	6.4	5.6
Freq. (MHz)	247.0	230.5	247.0	230.5
Limit (dB)	10.1	10.4	10.1	10.4

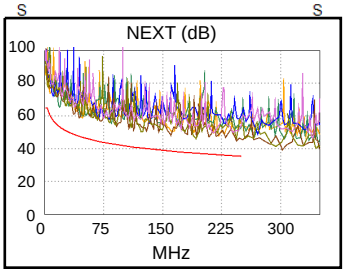
Compliant Network Standards:

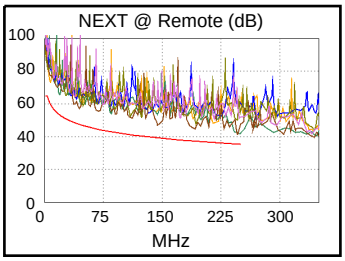
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

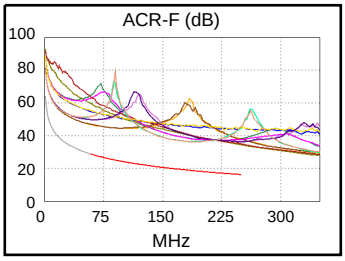


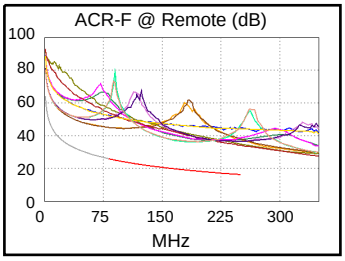


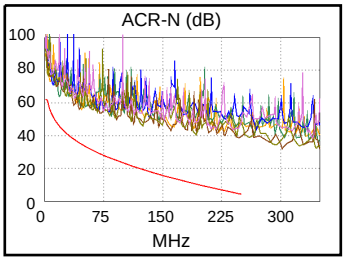


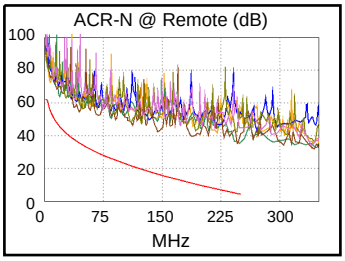


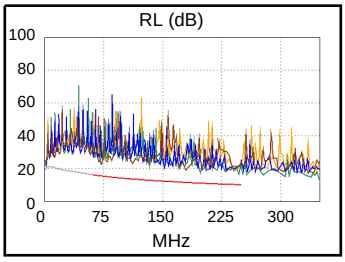


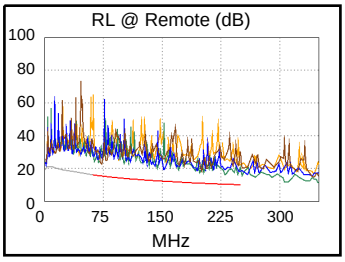












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 118

Date / Time: 05/03/2019 10:58:05 PM
Headroom 7.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	77
Prop. Delay (ns), Limit 498	[Pair 45]	119
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.97
Insertion Loss Margin (dB)	[Pair 36]	22.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	9.0	7.1	9.0	7.1
Freq. (MHz)	232.0	185.0	232.0	185.0
Limit (dB)	35.9	37.5	35.9	37.5
Worst Pair	36	36	12	45
PS NEXT (dB)	9.8	7.2	9.9	9.2
Freq. (MHz)	185.5	185.5	247.5	248.5
Limit (dB)	34.9	34.9	32.8	32.7

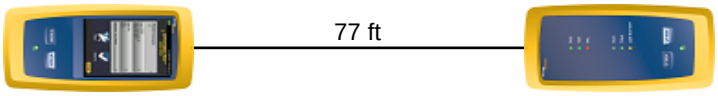
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-45	45-78
ACR-F (dB)	13.6	13.6	18.2	18.3
Freq. (MHz)	4.1	4.1	250.0	250.0
Limit (dB)	51.9	51.9	16.2	16.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	12.7	12.8	20.6	20.4
Freq. (MHz)	1.0	1.0	250.0	249.5
Limit (dB)	61.2	61.2	13.2	13.2

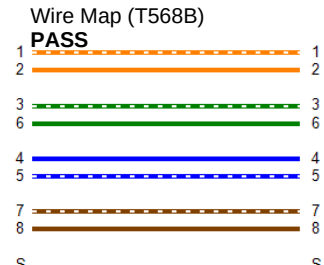
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-36	36-45
ACR-N (dB)	18.7	18.2	31.0	32.3
Freq. (MHz)	9.4	8.8	232.0	248.5
Limit (dB)	52.9	53.6	6.1	4.4
Worst Pair	36	36	12	45
PS ACR-N (dB)	18.8	18.4	32.9	32.0
Freq. (MHz)	8.4	7.8	247.5	248.5
Limit (dB)	51.6	52.4	1.9	1.8

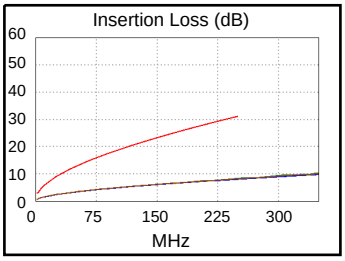
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.8	4.4	6.2	4.4
Freq. (MHz)	215.0	215.0	241.5	215.0
Limit (dB)	10.7	10.7	10.2	10.7

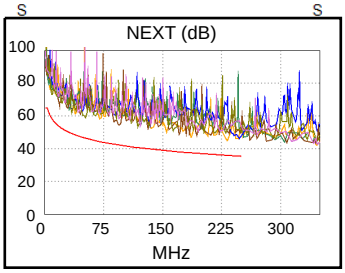
Compliant Network Standards:

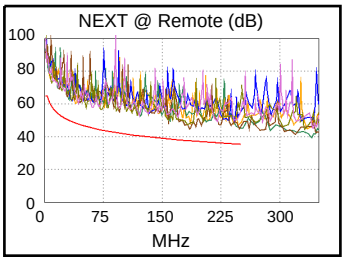
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

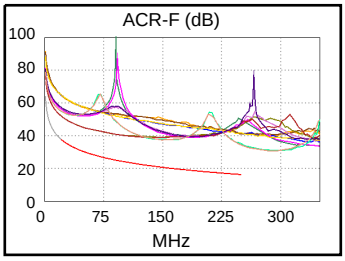


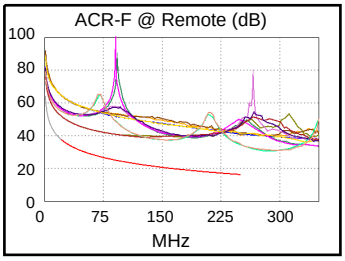


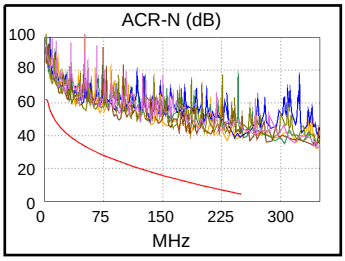


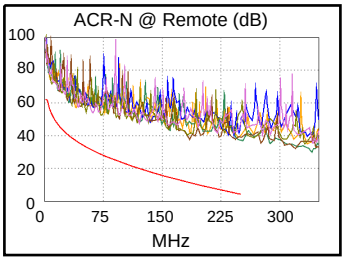


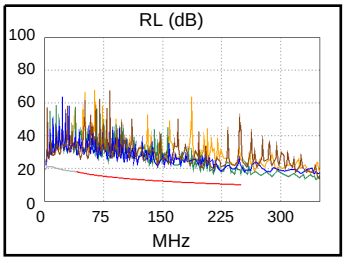


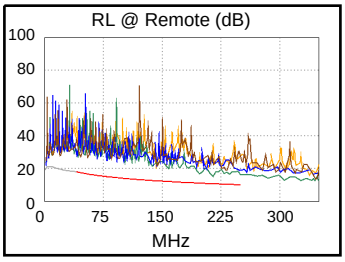












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 119

Date / Time: 05/24/2019 05:54:50 PM
Headroom 6.3 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	77
Prop. Delay (ns), Limit 498	[Pair 45]	121
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	3.99
Insertion Loss Margin (dB)	[Pair 36]	22.5
Frequency (MHz)	[Pair 36]	248.0
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.3	6.8	6.3	6.8
Freq. (MHz)	245.5	245.0	245.5	245.0
Limit (dB)	35.5	35.5	35.5	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	7.8	8.6	7.8	8.6
Freq. (MHz)	245.5	245.5	245.5	245.5
Limit (dB)	32.8	32.8	32.8	32.8

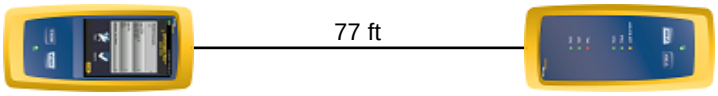
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	78-45
ACR-F (dB)	12.2	12.2	18.4	18.3
Freq. (MHz)	3.5	3.5	250.0	250.0
Limit (dB)	53.3	53.3	16.2	16.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	11.8	11.7	18.3	18.4
Freq. (MHz)	1.3	1.0	250.0	250.0
Limit (dB)	59.3	61.2	13.2	13.2

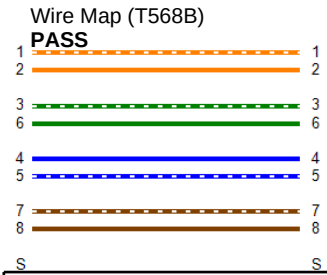
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	16.5	15.3	29.1	29.6
Freq. (MHz)	6.3	5.4	245.5	245.0
Limit (dB)	56.7	58.0	4.7	4.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	18.1	16.9	30.5	31.2
Freq. (MHz)	5.4	5.4	245.5	245.5
Limit (dB)	55.7	55.7	2.1	2.1

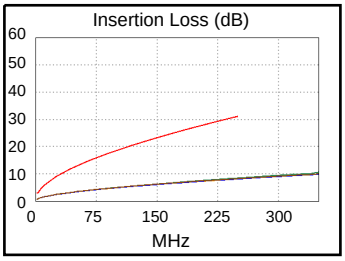
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.9	4.5	3.9	4.5
Freq. (MHz)	247.5	231.0	247.5	231.0
Limit (dB)	10.1	10.4	10.1	10.4

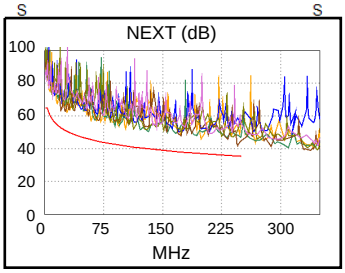
Compliant Network Standards:

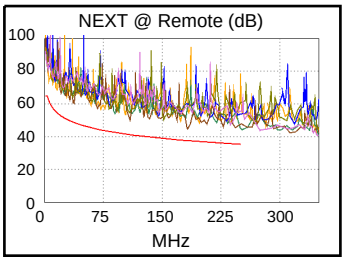
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

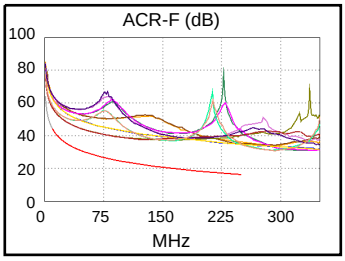


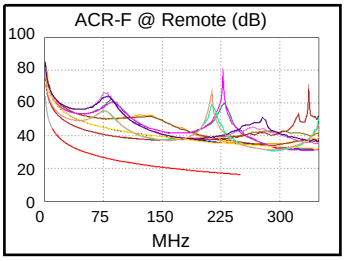


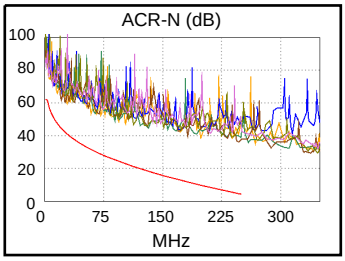


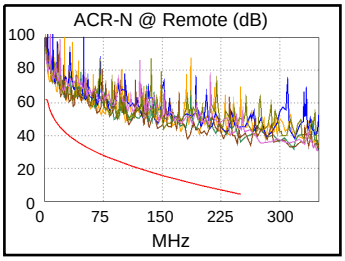


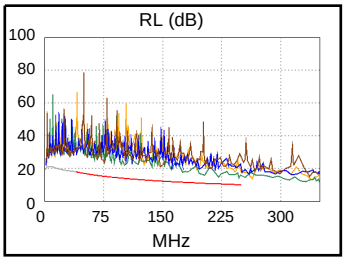


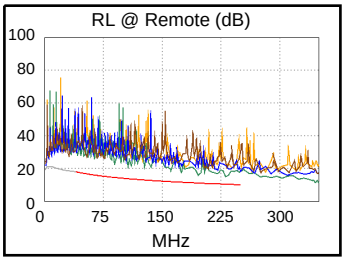












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 120

Date / Time: 05/24/2019 05:56:12 PM
Headroom 7.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	82
Prop. Delay (ns), Limit 498	[Pair 45]	127
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 45]	4.20
Insertion Loss Margin (dB)	[Pair 36]	21.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.1	8.4	7.1	8.4
Freq. (MHz)	192.5	249.0	192.5	249.0
Limit (dB)	37.2	35.4	37.2	35.4
Worst Pair	36	36	45	36
PS NEXT (dB)	8.5	9.1	10.1	9.1
Freq. (MHz)	192.5	249.5	244.5	249.5
Limit (dB)	34.6	32.7	32.9	32.7

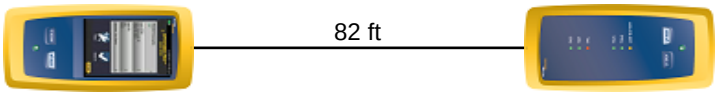
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	10.6	10.6	16.0	16.3
Freq. (MHz)	2.9	2.9	249.5	250.0
Limit (dB)	55.0	55.0	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	11.8	11.5	18.2	17.4
Freq. (MHz)	1.1	1.0	250.0	250.0
Limit (dB)	60.2	61.2	13.2	13.2

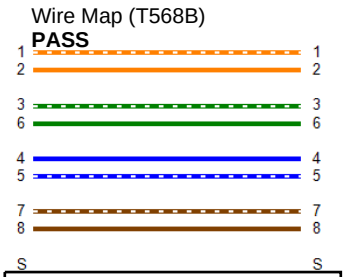
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	15.5	14.7	30.7	30.0
Freq. (MHz)	22.5	17.9	250.0	250.0
Limit (dB)	43.9	46.4	4.2	4.2
Worst Pair	36	36	78	36
PS ACR-N (dB)	16.0	16.1	31.6	30.2
Freq. (MHz)	17.8	26.8	250.0	249.5
Limit (dB)	44.1	39.4	1.6	1.7

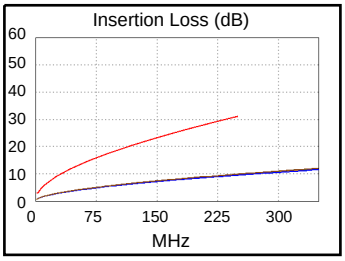
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.7	5.8	6.0	5.8
Freq. (MHz)	228.5	250.0	246.0	250.0
Limit (dB)	10.4	10.0	10.1	10.0

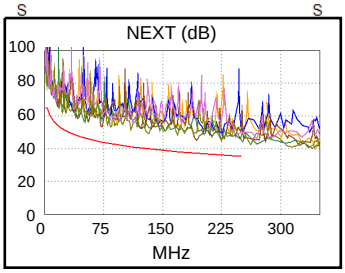
Compliant Network Standards:

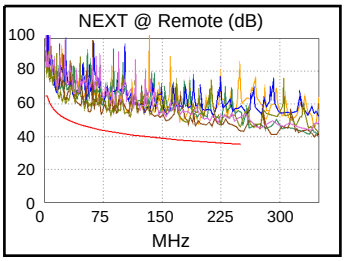
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

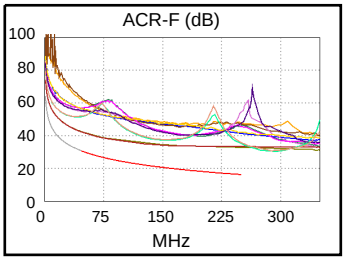


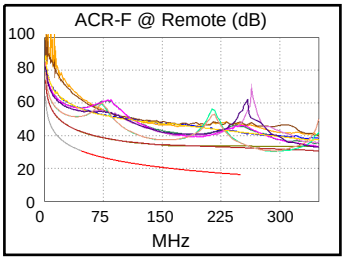


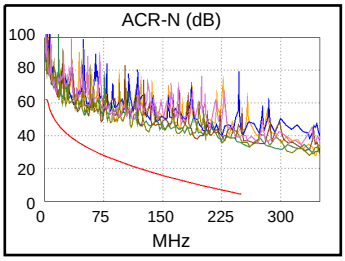


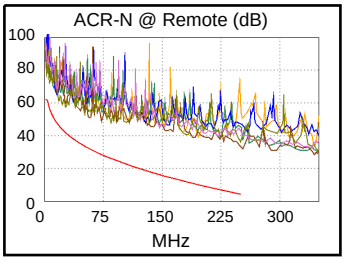


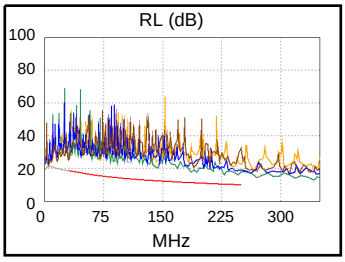


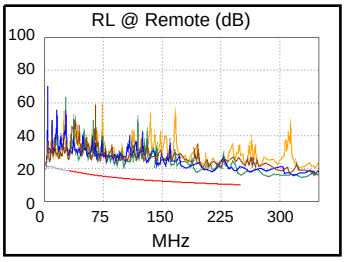












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 121

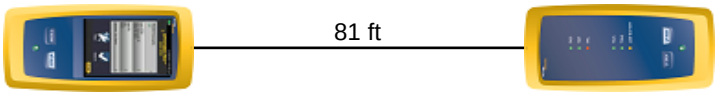
Date / Time: 05/24/2019 05:56:48 PM
Headroom 5.4 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

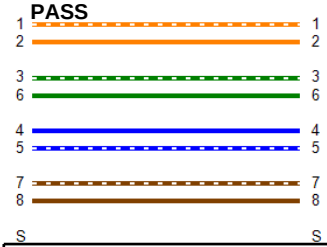
Test Summary: PASS

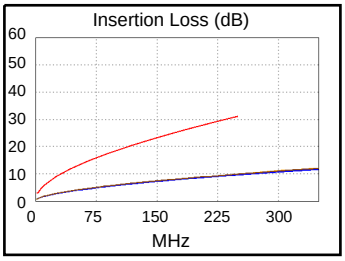
Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	81
Prop. Delay (ns), Limit 498	[Pair 45]	127
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 36]	4.19
Insertion Loss Margin (dB)	[Pair 12]	21.1
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	31.1

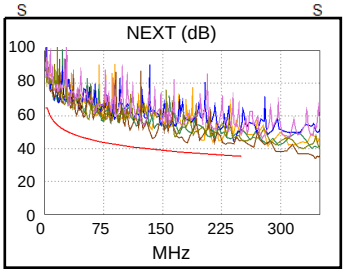


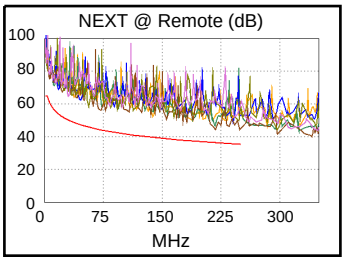
Wire Map (T568B)
PASS



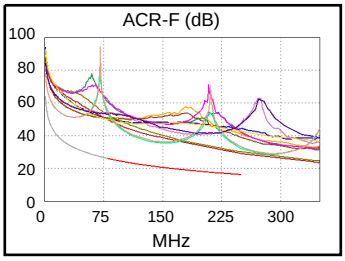


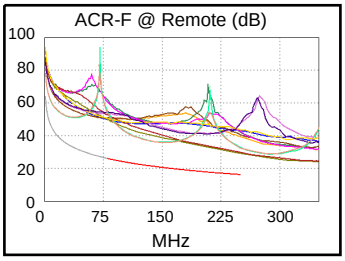
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.4	6.5	5.4	6.6
Freq. (MHz)	232.0	216.5	232.0	217.0
Limit (dB)	35.9	36.4	35.9	36.3
Worst Pair	36	45	36	45
PS NEXT (dB)	6.6	7.8	6.6	7.8
Freq. (MHz)	232.0	217.0	232.0	217.0
Limit (dB)	33.2	33.7	33.2	33.7



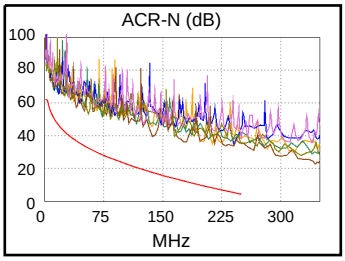


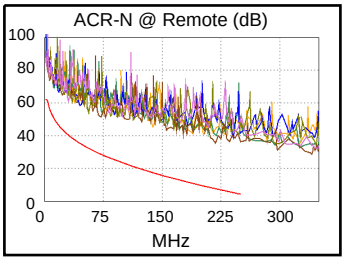
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	12.9	13.0	12.9	13.0
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.0	14.2	15.0	14.2
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	13.2	13.2	13.2	13.2



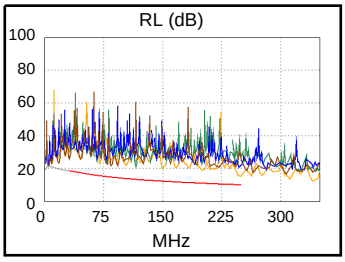


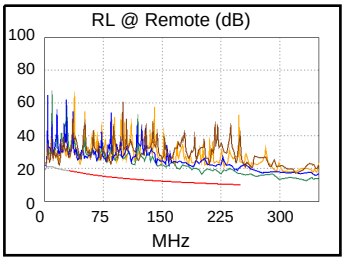
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	36-45	36-45
ACR-N (dB)	16.6	17.4	26.1	26.4
Freq. (MHz)	11.8	6.3	232.0	217.0
Limit (dB)	50.7	56.7	6.1	7.7
Worst Pair	45	45	36	45
PS ACR-N (dB)	16.4	16.5	28.6	27.6
Freq. (MHz)	11.8	6.4	249.5	217.0
Limit (dB)	48.4	54.2	1.7	5.1





PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	5.0	4.9	5.0	4.9
Freq. (MHz)	247.5	201.5	247.5	201.5
Limit (dB)	10.1	11.0	10.1	11.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 122

Date / Time: 05/03/2019 11:05:14 PM
Headroom 6.4 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	75
Prop. Delay (ns), Limit 498	[Pair 45]	117
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 36]	3.90
Insertion Loss Margin (dB)	[Pair 36]	23.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	10.2	6.4	10.2	6.4
Freq. (MHz)	237.0	206.5	237.0	206.5
Limit (dB)	35.7	36.7	35.7	36.7
Worst Pair	36	45	45	45
PS NEXT (dB)	10.5	7.2	10.5	7.8
Freq. (MHz)	141.0	206.5	237.0	242.5
Limit (dB)	36.8	34.1	33.1	32.9

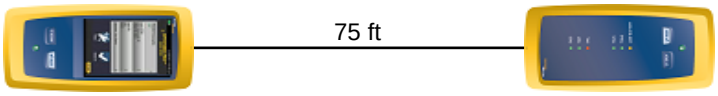
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	14.1	14.0	14.1	14.0
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	45	36
PS ACR-F (dB)	15.3	15.3	15.6	15.9
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

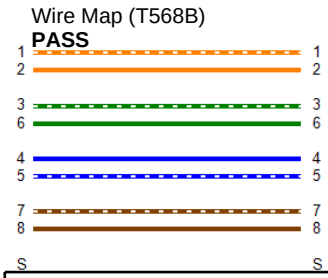
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	12-45
ACR-N (dB)	17.6	16.7	33.3	30.9
Freq. (MHz)	17.8	17.9	241.0	242.5
Limit (dB)	46.5	46.4	5.1	5.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	18.0	17.1	33.2	30.6
Freq. (MHz)	18.8	18.5	237.0	242.5
Limit (dB)	43.5	43.6	2.9	2.4

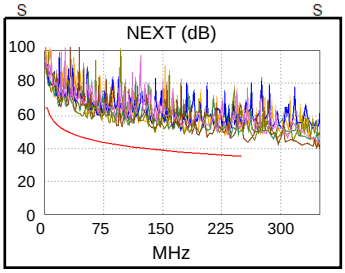
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	6.2	6.9	6.2	6.9
Freq. (MHz)	242.5	242.0	242.5	242.0
Limit (dB)	10.2	10.2	10.2	10.2

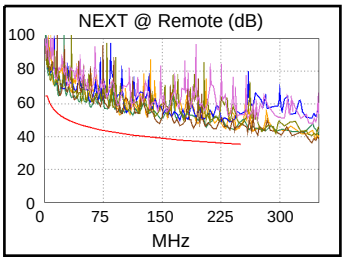
Compliant Network Standards:

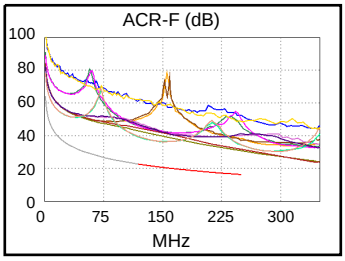
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

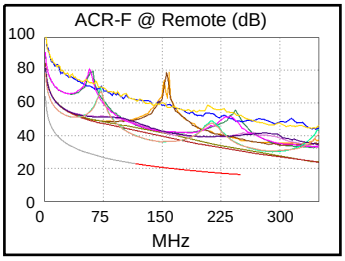


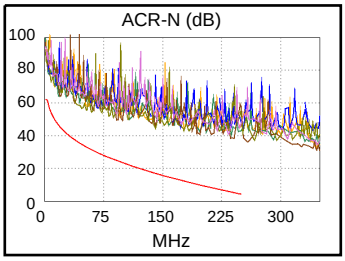


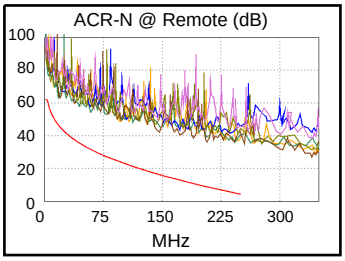


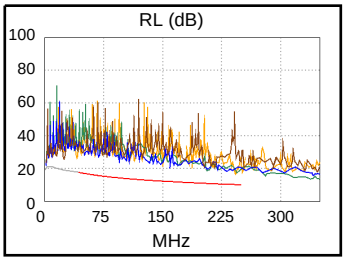


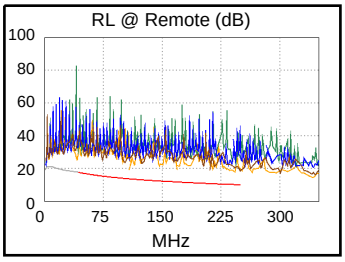












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 123

Date / Time: 05/03/2019 11:05:31 PM
Headroom 5.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	75
Prop. Delay (ns), Limit 498	[Pair 45]	117
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 36]	3.87
Insertion Loss Margin (dB)	[Pair 36]	23.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.5	5.6	10.2	5.6
Freq. (MHz)	142.0	222.5	250.0	222.5
Limit (dB)	39.4	36.2	35.3	36.2
Worst Pair	36	45	45	45
PS NEXT (dB)	9.0	6.9	9.2	7.0
Freq. (MHz)	195.5	222.5	228.0	228.0
Limit (dB)	34.5	33.5	33.4	33.4

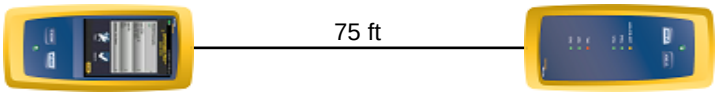
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	7.6	7.6	12.6	11.3
Freq. (MHz)	2.0	2.0	177.0	153.5
Limit (dB)	58.2	58.2	19.2	20.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	9.6	9.7	14.2	13.0
Freq. (MHz)	1.1	1.3	171.0	153.5
Limit (dB)	60.2	59.3	16.5	17.5

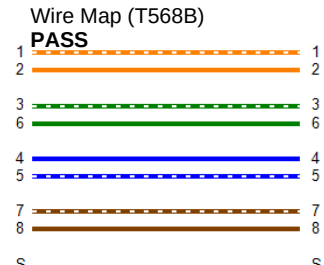
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	14.0	12.6	33.4	27.4
Freq. (MHz)	8.8	7.8	250.0	222.5
Limit (dB)	53.6	54.7	4.2	7.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.2	13.8	31.3	29.1
Freq. (MHz)	8.9	7.8	228.0	228.0
Limit (dB)	51.1	52.4	3.9	3.9

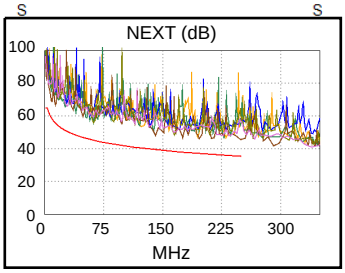
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	6.4	5.9	6.4	7.0
Freq. (MHz)	238.5	155.0	238.5	250.0
Limit (dB)	10.2	12.1	10.2	10.0

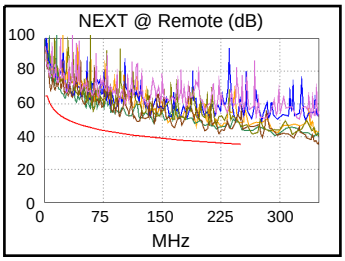
Compliant Network Standards:

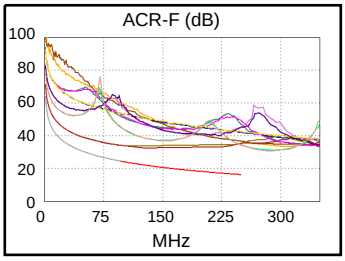
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

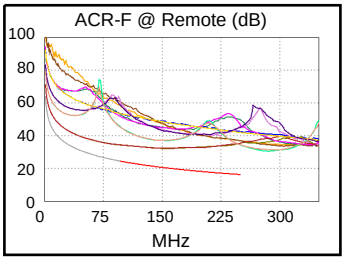


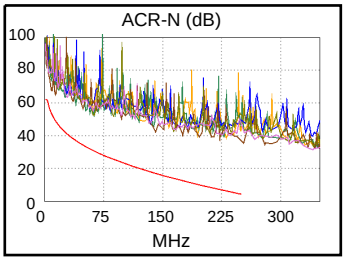


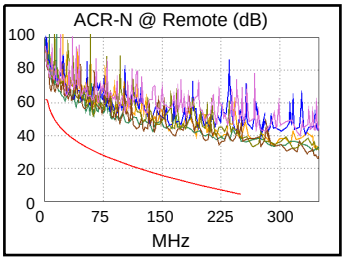


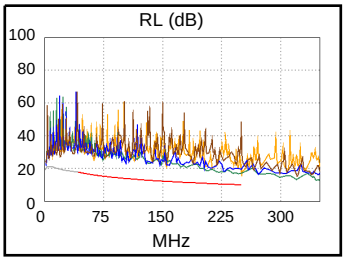


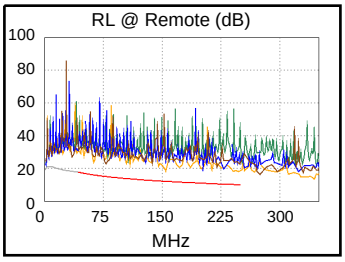












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 124

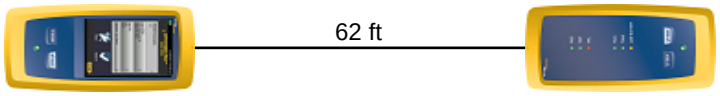
Date / Time: 05/24/2019 05:58:00 PM
Headroom 4.9 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

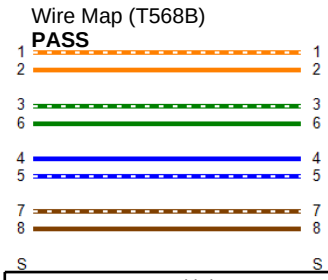
Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

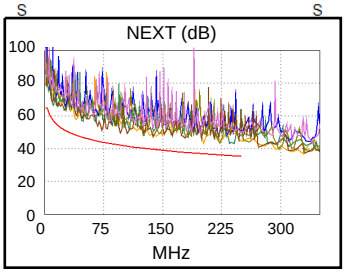
Test Summary: PASS

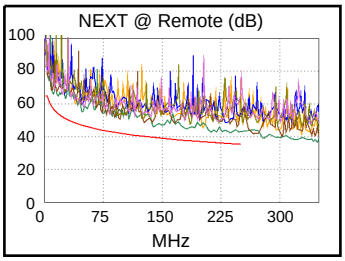
Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

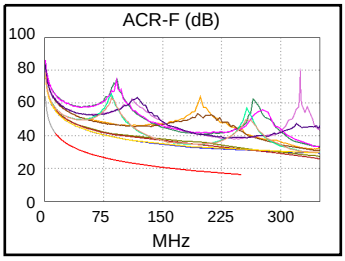
Length (ft), Limit 295	[Pair 78]	62
Prop. Delay (ns), Limit 498	[Pair 45]	98
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.29
Insertion Loss Margin (dB)	[Pair 12]	24.4
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	31.1

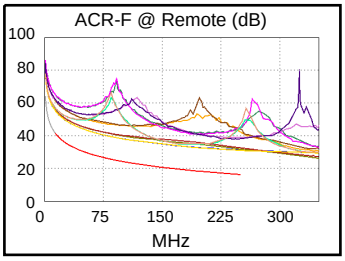


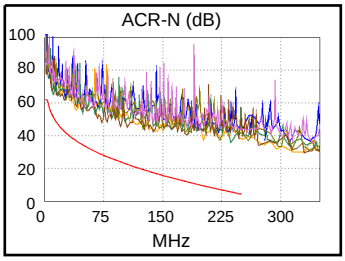


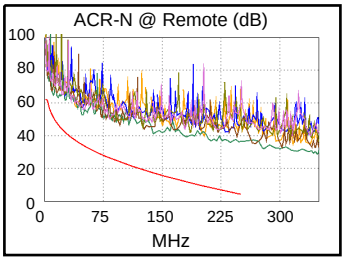


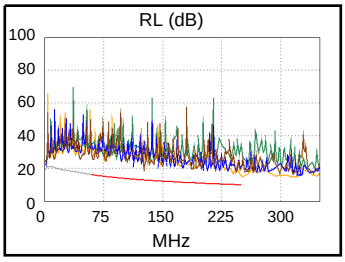


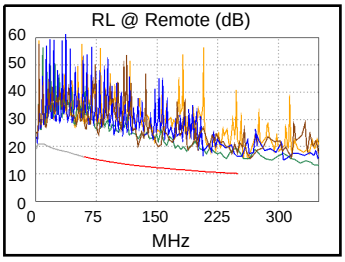












	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	12-45	12-45
NEXT (dB)	6.2	4.9	6.5	4.9
Freq. (MHz)	203.0	235.5	236.0	235.5
Limit (dB)	36.8	35.8	35.7	35.8
Worst Pair	36	45	36	45
PS NEXT (dB)	7.0	6.9	7.0	6.9
Freq. (MHz)	222.0	236.0	222.0	236.0
Limit (dB)	33.6	33.1	33.6	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	13.4	13.4	14.5	14.5
Freq. (MHz)	15.4	6.0	247.5	247.5
Limit (dB)	40.5	48.6	16.3	16.3
Worst Pair	78	78	78	78
PS ACR-F (dB)	13.1	12.8	16.4	15.6
Freq. (MHz)	1.1	1.3	246.5	220.5
Limit (dB)	60.2	59.3	13.4	14.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	13.6	13.3	30.1	28.6
Freq. (MHz)	11.0	11.0	236.0	235.5
Limit (dB)	51.4	51.4	5.7	5.7
Worst Pair	45	45	36	45
PS ACR-N (dB)	13.7	13.4	29.9	30.6
Freq. (MHz)	9.9	9.6	222.0	236.0
Limit (dB)	50.1	50.3	4.5	3.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	5.9	5.3	5.9	5.3
Freq. (MHz)	250.0	236.0	250.0	236.0
Limit (dB)	10.0	10.3	10.0	10.3

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 125

Date / Time: 05/03/2019 11:08:18 PM
Headroom 6.2 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	63
Prop. Delay (ns), Limit 498	[Pair 45]	99
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.29
Insertion Loss Margin (dB)	[Pair 36]	24.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
NEXT (dB)	6.2	6.9	6.2	6.9
Freq. (MHz)	237.5	233.0	237.5	233.0
Limit (dB)	35.7	35.8	35.7	35.8
Worst Pair	45	45	45	36
PS NEXT (dB)	7.4	7.8	7.4	7.9
Freq. (MHz)	238.0	238.0	238.0	244.5
Limit (dB)	33.1	33.1	33.1	32.9

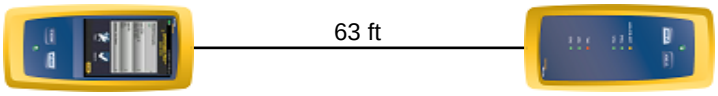
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-F (dB)	13.1	13.1	15.7	15.8
Freq. (MHz)	3.6	3.6	182.5	187.0
Limit (dB)	53.0	53.0	19.0	18.8
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.9	12.9	16.9	16.3
Freq. (MHz)	1.1	1.0	192.5	178.5
Limit (dB)	60.2	61.2	15.5	16.2

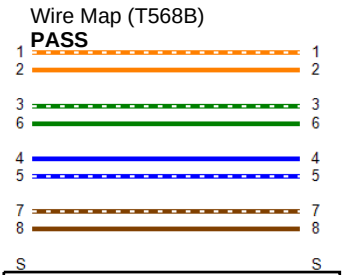
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-45
ACR-N (dB)	18.2	17.8	30.0	30.3
Freq. (MHz)	10.6	9.9	237.5	233.0
Limit (dB)	51.7	52.4	5.5	6.0
Worst Pair	36	12	45	36
PS ACR-N (dB)	17.4	17.9	31.2	31.9
Freq. (MHz)	4.5	10.4	238.0	244.5
Limit (dB)	57.3	49.6	2.8	2.2

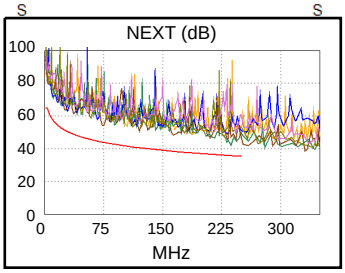
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.8	6.7	5.8	6.7
Freq. (MHz)	232.5	210.0	232.5	210.0
Limit (dB)	10.3	10.8	10.3	10.8

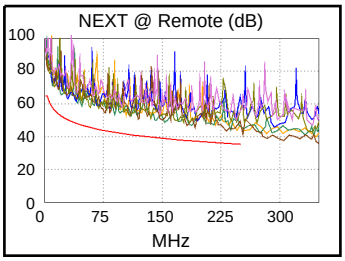
Compliant Network Standards:

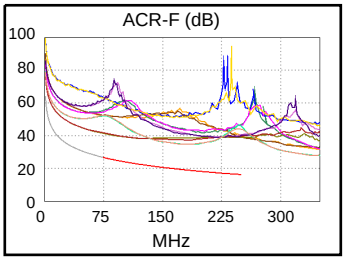
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

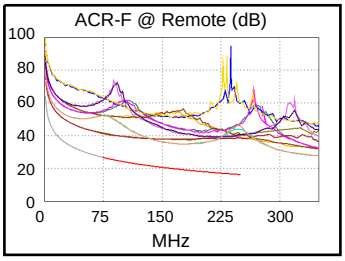


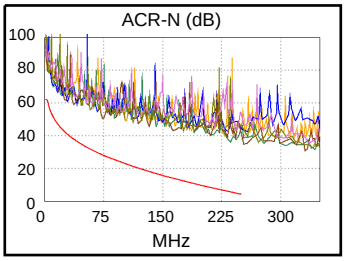


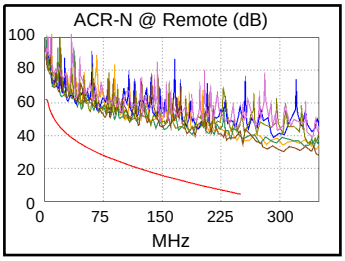


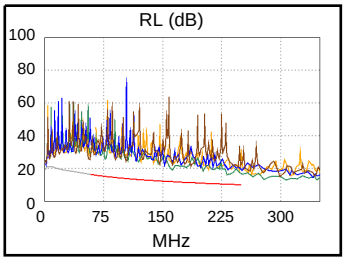


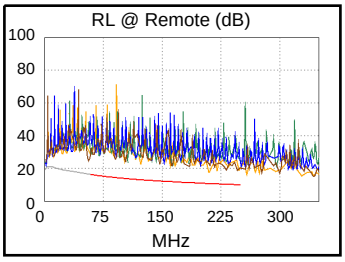












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 126

Date / Time: 05/23/2019 10:07:02 PM
Headroom 7.0 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	71
Prop. Delay (ns), Limit 498	[Pair 45]	111
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	3.71
Insertion Loss Margin (dB)	[Pair 36]	23.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	7.0	7.1	7.0	7.1
Freq. (MHz)	213.0	240.5	213.0	240.5
Limit (dB)	36.5	35.6	36.5	35.6
Worst Pair	45	45	45	45
PS NEXT (dB)	8.4	7.2	8.4	7.3
Freq. (MHz)	227.0	245.0	227.0	245.5
Limit (dB)	33.4	32.9	33.4	32.8

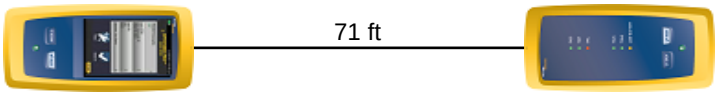
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	13.2	13.5	13.2	13.5
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	15.5	15.5	15.5	15.5
Freq. (MHz)	249.5	250.0	249.5	250.0
Limit (dB)	13.2	13.2	13.2	13.2

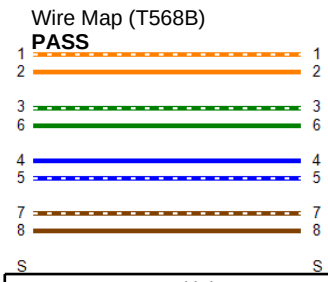
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	36-45	12-45
ACR-N (dB)	16.3	15.5	28.6	30.3
Freq. (MHz)	10.5	16.1	213.0	240.5
Limit (dB)	51.8	47.5	8.1	5.2
Worst Pair	45	45	36	45
PS ACR-N (dB)	16.3	15.6	31.0	30.7
Freq. (MHz)	4.4	10.6	227.5	245.5
Limit (dB)	57.5	49.3	3.9	2.1

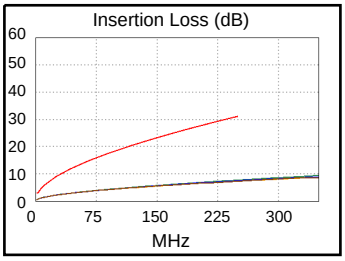
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	12	36
RL (dB)	6.5	5.9	7.6	5.9
Freq. (MHz)	174.0	234.5	236.0	234.5
Limit (dB)	11.6	10.3	10.3	10.3

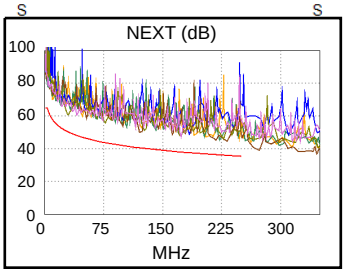
Compliant Network Standards:

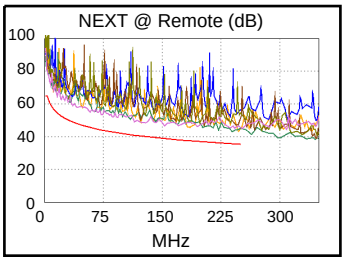
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

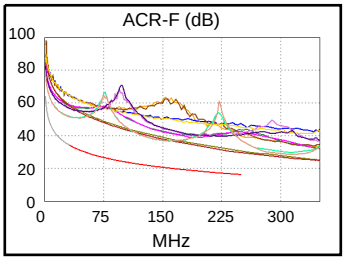


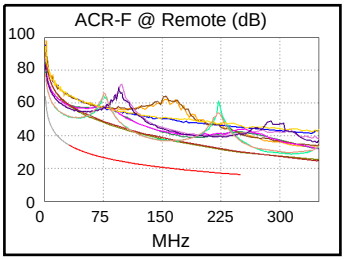


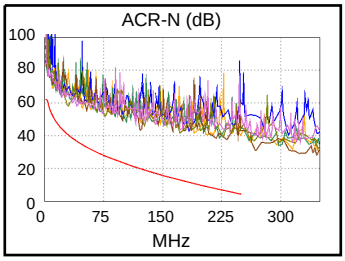


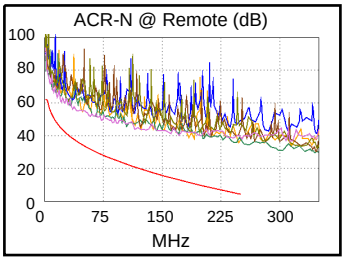


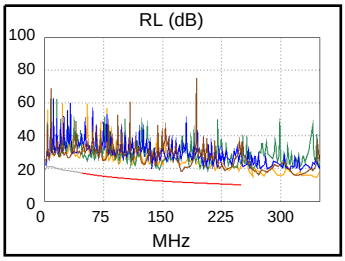


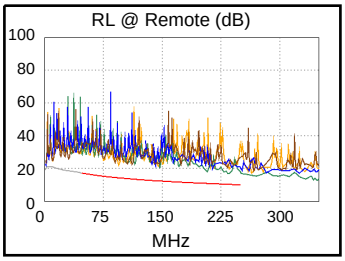












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 127

Date / Time: 05/23/2019 10:10:53 PM
Headroom 5.2 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	70
Prop. Delay (ns), Limit 498	[Pair 45]	110
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	3.63
Insertion Loss Margin (dB)	[Pair 36]	23.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.2	8.6	5.2	8.6
Freq. (MHz)	206.0	237.5	206.0	237.5
Limit (dB)	36.7	35.7	36.7	35.7
Worst Pair	36	36	36	45
PS NEXT (dB)	6.7	8.7	7.0	9.3
Freq. (MHz)	196.5	196.5	206.0	238.0
Limit (dB)	34.4	34.4	34.1	33.1

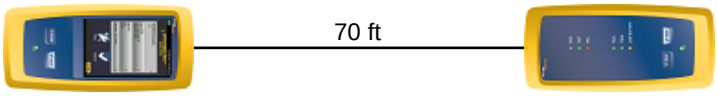
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-36	36-45
ACR-F (dB)	15.1	15.1	18.7	18.9
Freq. (MHz)	157.0	4.8	250.0	250.0
Limit (dB)	20.3	50.7	16.2	16.2
Worst Pair	45	45	36	45
PS ACR-F (dB)	15.4	15.5	19.8	20.1
Freq. (MHz)	1.3	1.8	250.0	250.0
Limit (dB)	59.3	56.3	13.2	13.2

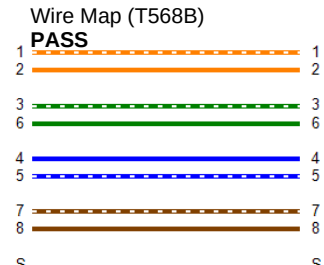
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	36-45	36-45
ACR-N (dB)	18.9	16.2	26.4	31.8
Freq. (MHz)	5.3	6.8	206.0	237.5
Limit (dB)	58.2	56.0	8.9	5.5
Worst Pair	45	45	36	45
PS ACR-N (dB)	17.6	16.2	28.1	32.6
Freq. (MHz)	5.1	6.4	206.0	238.5
Limit (dB)	56.1	54.2	6.3	2.8

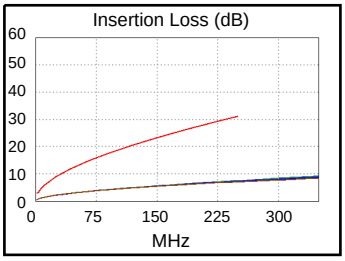
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	36
RL (dB)	6.1	4.8	7.8	7.4
Freq. (MHz)	51.8	52.5	238.0	242.0
Limit (dB)	16.9	16.8	10.2	10.2

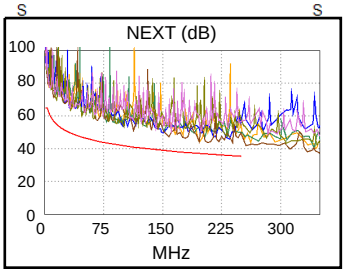
Compliant Network Standards:

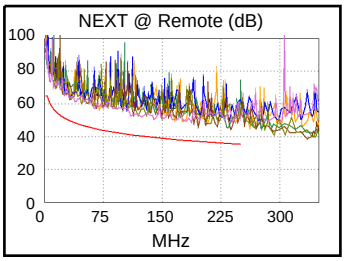
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

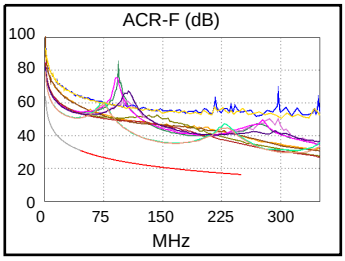


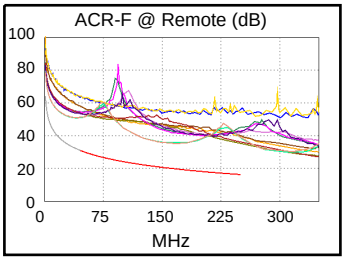


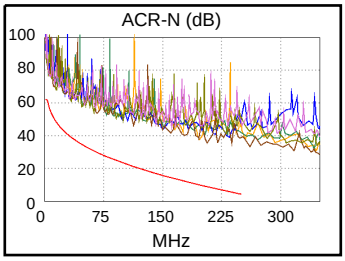


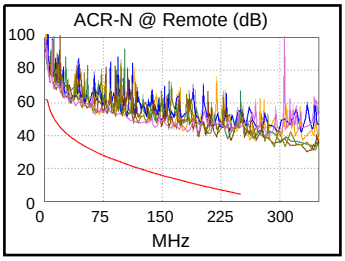


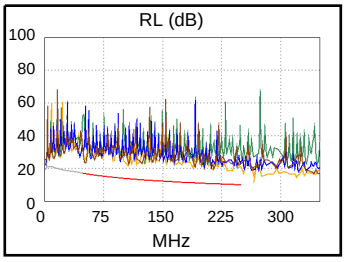


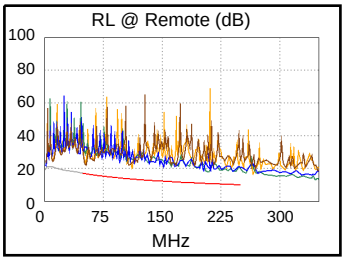












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 128

Date / Time: 05/23/2019 10:28:18 PM
Headroom 5.3 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	85
Prop. Delay (ns), Limit 498	[Pair 45]	133
Delay Skew (ns), Limit 44	[Pair 45]	8
Resistance (ohms)	[Pair 36]	4.34
Insertion Loss Margin (dB)	[Pair 36]	22.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.3	7.5	5.3	7.5
Freq. (MHz)	211.0	246.5	211.0	246.5
Limit (dB)	36.5	35.4	36.5	35.4
Worst Pair	45	36	45	36
PS NEXT (dB)	6.9	8.6	7.0	8.6
Freq. (MHz)	210.5	246.5	211.0	246.5
Limit (dB)	34.0	32.8	33.9	32.8

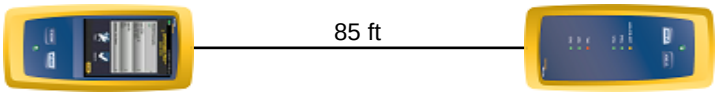
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	13.8	14.1	13.8	14.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.6	15.1	15.6	15.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	13.2	13.2	13.2	13.2

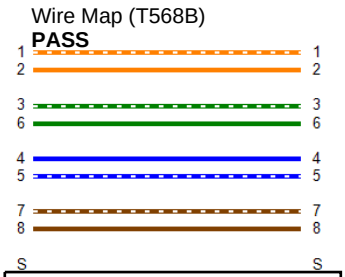
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	36-45
ACR-N (dB)	17.1	18.2	28.4	29.7
Freq. (MHz)	33.5	23.1	241.5	246.5
Limit (dB)	39.2	43.5	5.1	4.6
Worst Pair	36	12	36	36
PS ACR-N (dB)	17.8	17.0	29.7	30.4
Freq. (MHz)	7.1	23.1	241.5	246.5
Limit (dB)	53.1	41.1	2.5	2.0

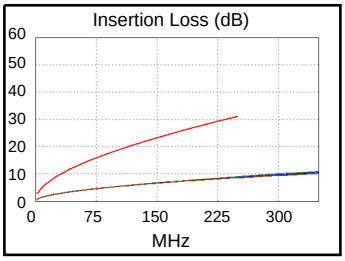
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	7.2	5.9	7.4	5.9
Freq. (MHz)	192.0	247.0	200.0	247.0
Limit (dB)	11.2	10.1	11.0	10.1

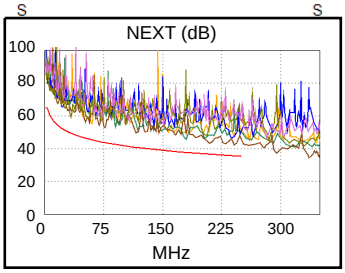
Compliant Network Standards:

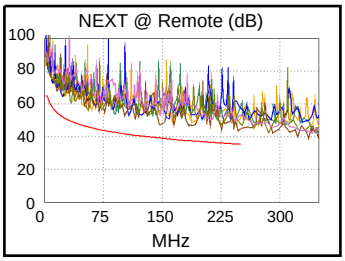
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

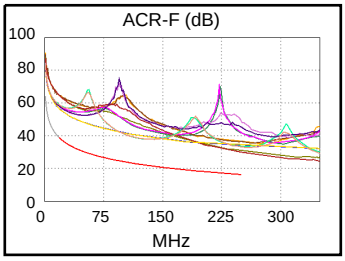


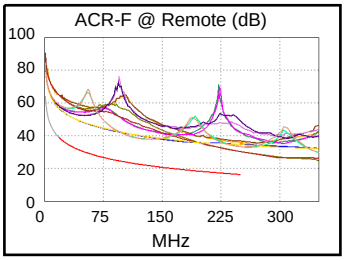


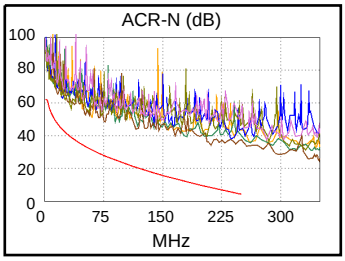


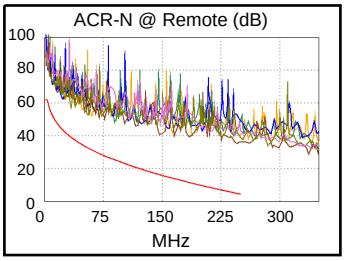


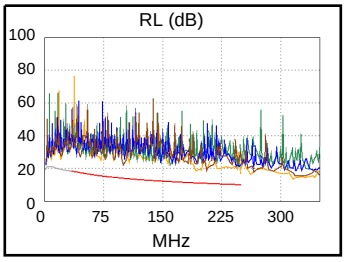


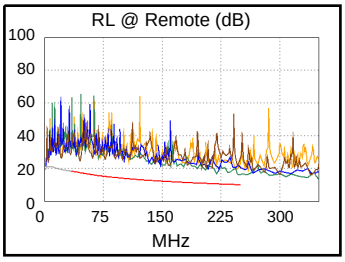












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 129

Date / Time: 05/03/2019 11:12:39 PM
Headroom 4.5 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	82
Prop. Delay (ns), Limit 498	[Pair 45]	129
Delay Skew (ns), Limit 44	[Pair 45]	8
Resistance (ohms)	[Pair 45]	4.24
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
NEXT (dB)	5.6	4.5	5.7	4.5
Freq. (MHz)	235.5	250.0	250.0	250.0
Limit (dB)	35.8	35.3	35.3	35.3
Worst Pair	12	36	12	36
PS NEXT (dB)	7.1	5.7	7.1	5.7
Freq. (MHz)	235.5	246.0	235.5	246.0
Limit (dB)	33.1	32.8	33.1	32.8

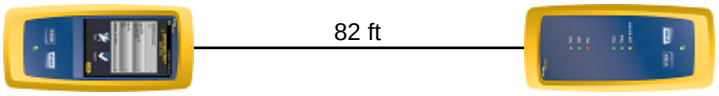
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	15.1	15.1	16.1	16.0
Freq. (MHz)	5.1	5.1	250.0	250.0
Limit (dB)	50.0	50.0	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.9	14.9	16.5	16.7
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

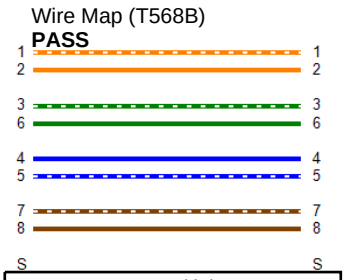
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	18.0	18.5	28.2	27.0
Freq. (MHz)	9.5	9.5	250.0	250.0
Limit (dB)	52.8	52.8	4.2	4.2
Worst Pair	45	45	36	36
PS ACR-N (dB)	18.9	19.2	30.3	27.8
Freq. (MHz)	20.0	24.1	250.0	246.0
Limit (dB)	42.8	40.6	1.6	2.0

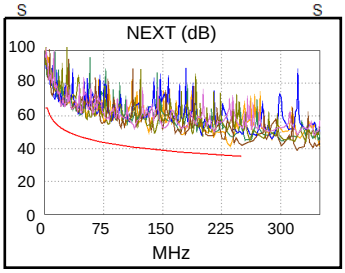
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	36	12
RL (dB)	4.6	6.7	5.7	7.2
Freq. (MHz)	42.5	42.0	247.0	248.5
Limit (dB)	17.7	17.8	10.1	10.0

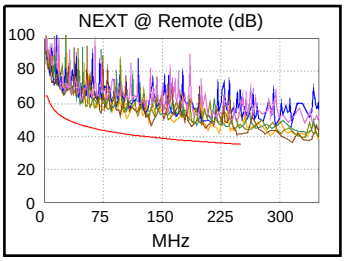
Compliant Network Standards:

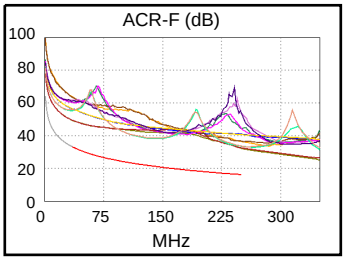
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

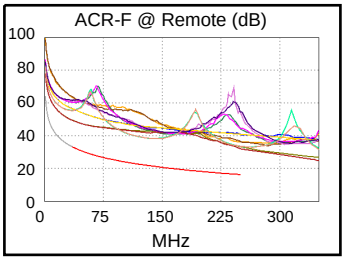


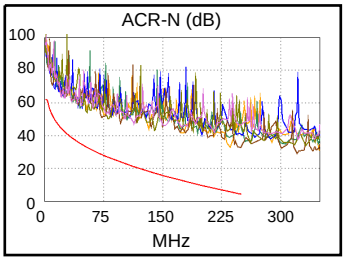


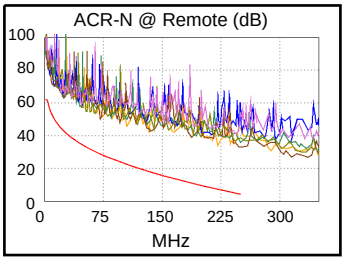


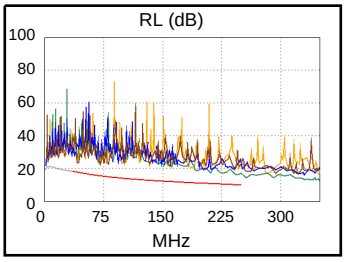


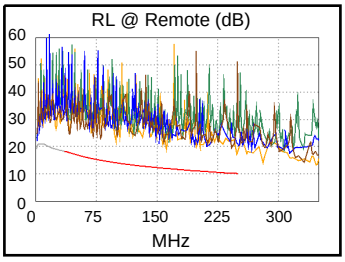












LinkWare™ PC Version 10.1

Project: EFCU OAK RIDGE -1ST FLOOR Untitled1

FLUKE networks

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 130

Date / Time: 05/03/2019 11:14:28 PM
Headroom 6.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	70
Prop. Delay (ns), Limit 498	[Pair 45]	109
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 45]	3.63
Insertion Loss Margin (dB)	[Pair 36]	23.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.8	6.1	9.4	6.1
Freq. (MHz)	79.0	243.5	217.0	243.5
Limit (dB)	43.5	35.5	36.3	35.5
Worst Pair	45	36	45	36
PS NEXT (dB)	9.2	6.6	9.3	6.6
Freq. (MHz)	217.0	244.0	243.5	244.0
Limit (dB)	33.7	32.9	32.9	32.9

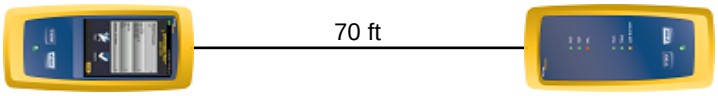
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	7.9	7.9	13.2	13.3
Freq. (MHz)	2.0	2.0	219.0	219.0
Limit (dB)	58.2	58.2	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	9.5	9.6	13.4	13.9
Freq. (MHz)	1.1	1.3	184.0	189.5
Limit (dB)	60.2	59.3	15.9	15.6

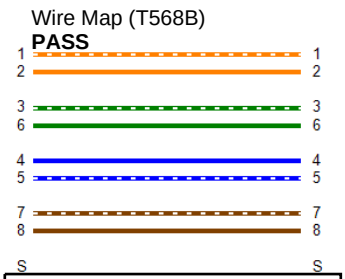
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
ACR-N (dB)	15.7	15.0	32.8	29.4
Freq. (MHz)	5.0	5.6	234.0	243.5
Limit (dB)	58.6	57.6	5.9	4.9
Worst Pair	12	45	45	36
PS ACR-N (dB)	16.0	15.3	32.6	29.9
Freq. (MHz)	4.0	14.1	243.5	244.0
Limit (dB)	58.3	46.5	2.3	2.2

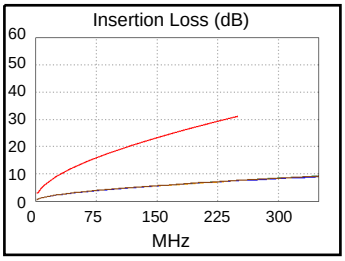
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	12
RL (dB)	5.7	6.1	6.0	6.5
Freq. (MHz)	69.8	69.5	219.0	236.5
Limit (dB)	15.6	15.6	10.6	10.3

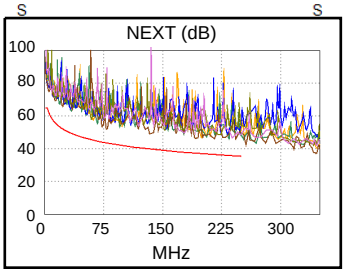
Compliant Network Standards:

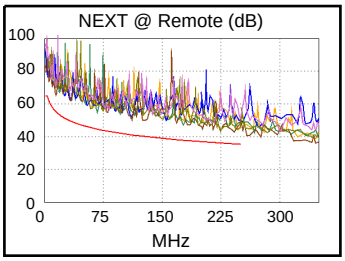
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

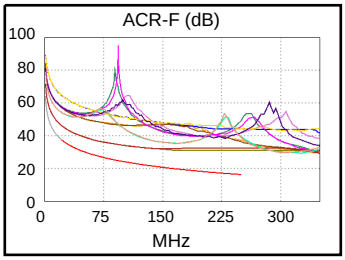


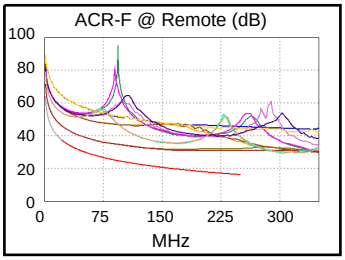


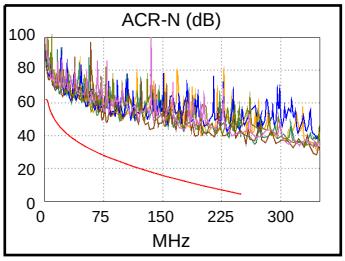


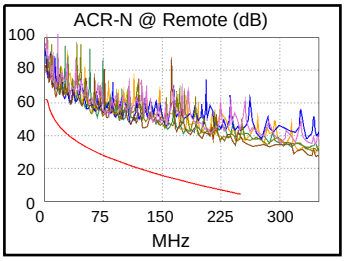


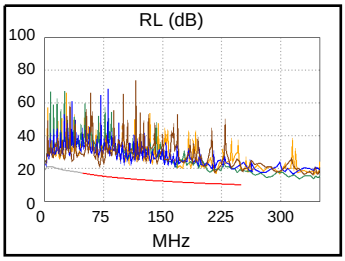


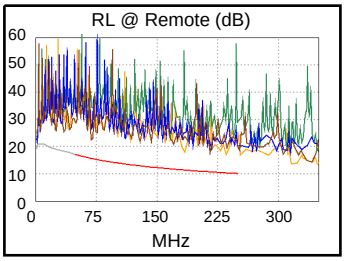












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 131

Date / Time: 05/03/2019 11:15:15 PM
Headroom 5.4 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	69
Prop. Delay (ns), Limit 498	[Pair 45]	109
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	3.55
Insertion Loss Margin (dB)	[Pair 36]	23.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	8.4	5.4	8.4	5.4
Freq. (MHz)	243.5	241.0	243.5	241.0
Limit (dB)	35.5	35.6	35.5	35.6
Worst Pair	45	45	45	36
PS NEXT (dB)	7.8	6.7	7.8	6.8
Freq. (MHz)	226.5	241.5	226.5	244.5
Limit (dB)	33.4	33.0	33.4	32.9

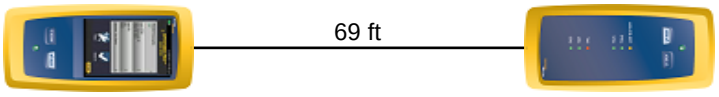
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	12-78	12-78
ACR-F (dB)	16.0	16.0	18.6	18.3
Freq. (MHz)	5.8	6.4	250.0	243.0
Limit (dB)	49.0	48.1	16.2	16.5
Worst Pair	45	45	12	36
PS ACR-F (dB)	14.9	14.9	18.7	19.1
Freq. (MHz)	1.0	1.0	249.0	250.0
Limit (dB)	61.2	61.2	13.3	13.2

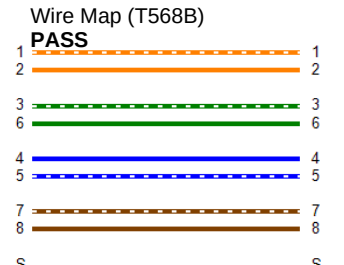
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	16.7	16.9	31.8	28.8
Freq. (MHz)	26.5	26.3	243.5	241.0
Limit (dB)	42.0	42.1	4.9	5.1
Worst Pair	36	36	45	36
PS ACR-N (dB)	16.5	16.5	30.4	30.3
Freq. (MHz)	26.9	26.4	226.5	245.0
Limit (dB)	39.4	39.6	4.0	2.1

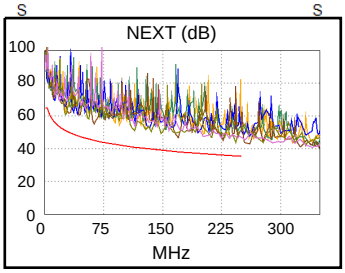
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.3	7.9	5.3	8.3
Freq. (MHz)	239.0	211.0	239.0	235.0
Limit (dB)	10.2	10.8	10.2	10.3

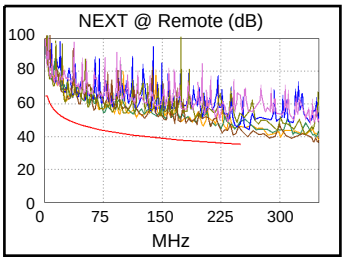
Compliant Network Standards:

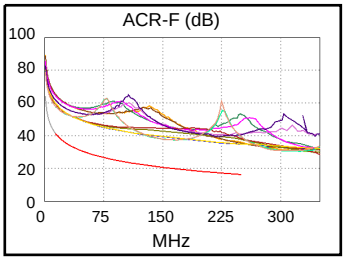
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

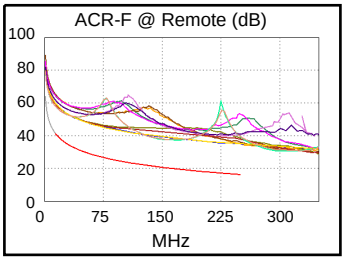


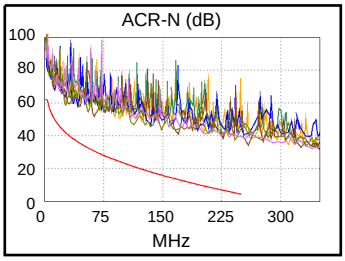


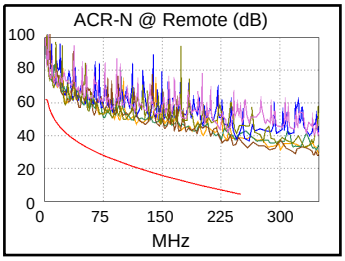


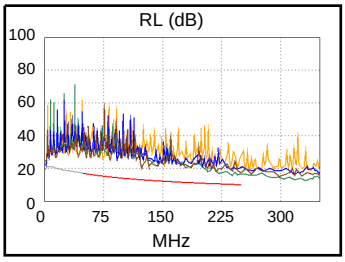


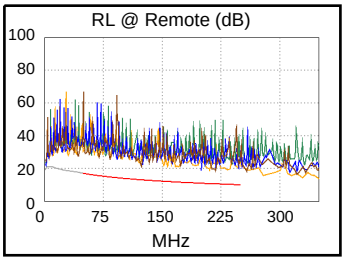












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 132

Date / Time: 05/03/2019 11:21:47 PM
Headroom 3.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	62
Prop. Delay (ns), Limit 498	[Pair 45]	98
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 36]	3.25
Insertion Loss Margin (dB)	[Pair 36]	24.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.5	3.1	4.5	3.1
Freq. (MHz)	240.5	241.0	240.5	241.0
Limit (dB)	35.6	35.6	35.6	35.6
Worst Pair	45	36	45	36
PS NEXT (dB)	6.3	4.8	6.3	4.8
Freq. (MHz)	240.5	241.5	240.5	241.5
Limit (dB)	33.0	33.0	33.0	33.0

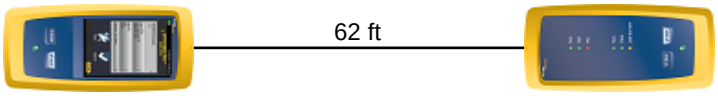
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	13.5	13.5	14.7	14.6
Freq. (MHz)	4.4	4.8	250.0	250.0
Limit (dB)	51.4	50.7	16.2	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	12.9	12.8	16.4	15.8
Freq. (MHz)	1.1	1.0	250.0	250.0
Limit (dB)	60.2	61.2	13.2	13.2

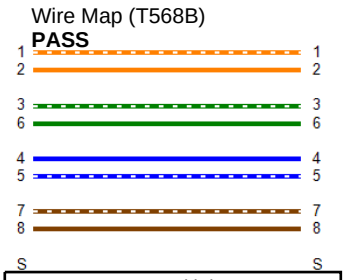
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.2	17.4	28.4	27.1
Freq. (MHz)	4.5	8.8	240.5	241.0
Limit (dB)	59.5	53.6	5.2	5.1
Worst Pair	12	12	45	36
PS ACR-N (dB)	16.5	16.6	30.2	28.7
Freq. (MHz)	10.5	9.9	240.5	241.5
Limit (dB)	49.5	50.1	2.6	2.5

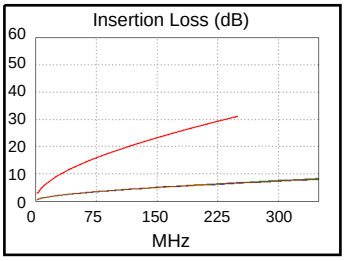
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.4	6.4	5.5	6.8
Freq. (MHz)	234.0	169.0	239.0	223.0
Limit (dB)	10.3	11.7	10.2	10.5

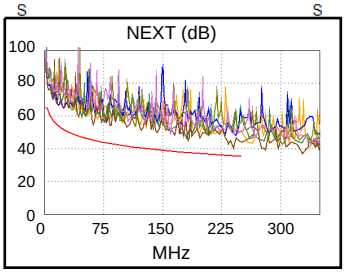
Compliant Network Standards:

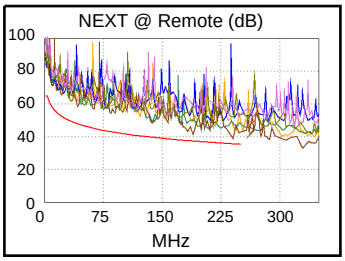
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

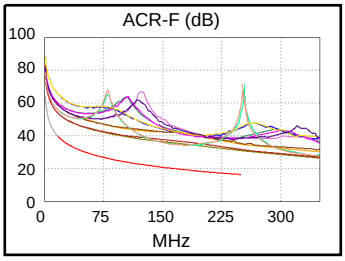


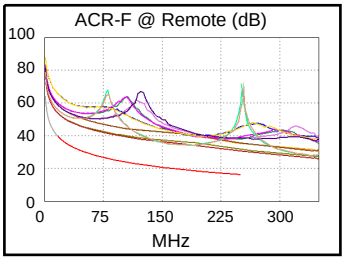


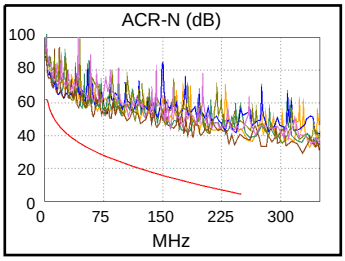


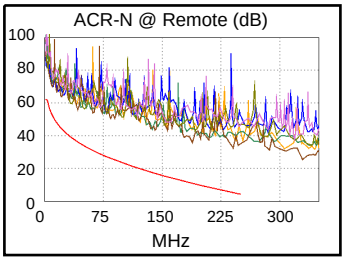


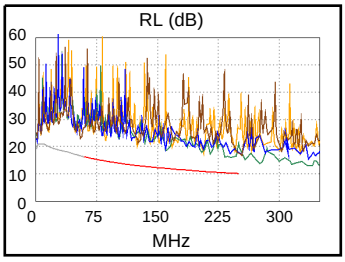


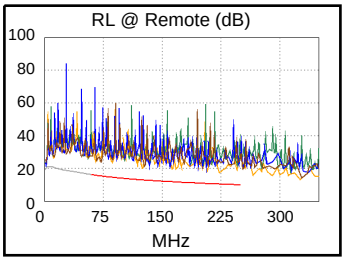












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 133

Date / Time: 05/04/2019 04:23:47 PM
Headroom 6.4 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	62
Prop. Delay (ns), Limit 498	[Pair 45]	97
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)	[Pair 45]	3.27
Insertion Loss Margin (dB)	[Pair 36]	24.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.6	6.4	7.6	6.4
Freq. (MHz)	250.0	243.5	250.0	243.5
Limit (dB)	35.3	35.5	35.3	35.5
Worst Pair	36	45	36	45
PS NEXT (dB)	9.2	6.9	9.2	6.9
Freq. (MHz)	250.0	243.5	250.0	243.5
Limit (dB)	32.7	32.9	32.7	32.9

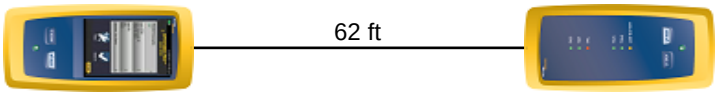
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	36-78	78-36
ACR-F (dB)	16.2	16.2	19.3	19.1
Freq. (MHz)	6.3	6.3	247.5	248.5
Limit (dB)	48.3	48.3	16.3	16.3
Worst Pair	78	78	36	36
PS ACR-F (dB)	15.6	15.5	19.0	19.3
Freq. (MHz)	1.1	1.0	250.0	250.0
Limit (dB)	60.2	61.2	13.2	13.2

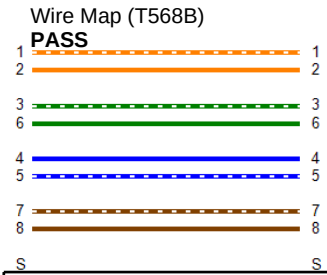
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.4	16.0	32.1	30.6
Freq. (MHz)	4.5	6.5	250.0	243.5
Limit (dB)	59.5	56.3	4.2	4.9
Worst Pair	45	45	36	45
PS ACR-N (dB)	16.3	15.9	33.3	31.1
Freq. (MHz)	4.5	5.9	250.0	243.5
Limit (dB)	57.3	54.9	1.6	2.3

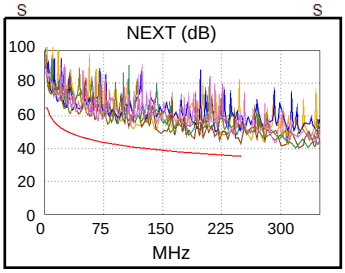
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.4	3.9	4.5	3.9
Freq. (MHz)	187.0	208.0	250.0	208.0
Limit (dB)	11.3	10.8	10.0	10.8

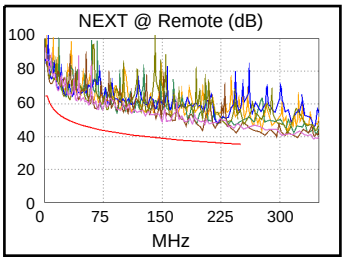
Compliant Network Standards:

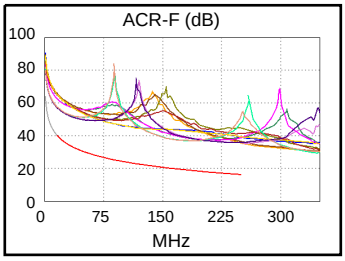
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

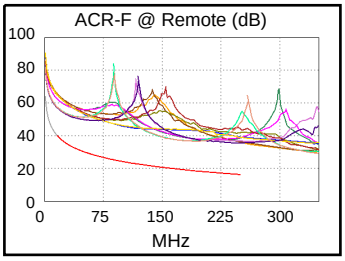


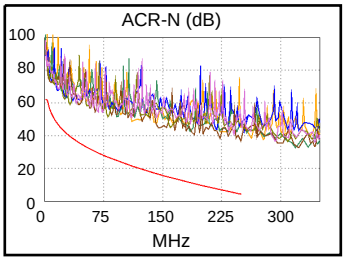


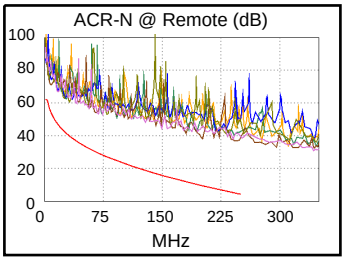


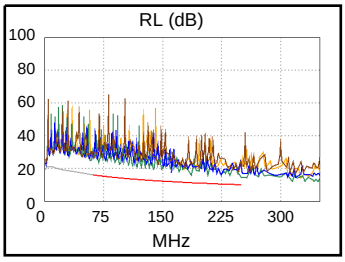


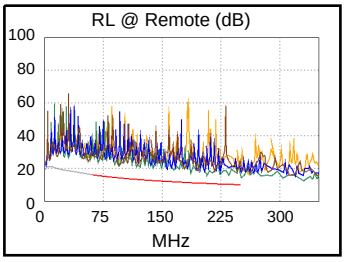












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 134

Date / Time: 05/03/2019 11:23:00 PM
Headroom 6.2 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	48
Prop. Delay (ns), Limit 498	[Pair 45]	75
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 45]	2.55
Insertion Loss Margin (dB)	[Pair 36]	25.6
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	36-78
NEXT (dB)	6.3	6.2	6.5	6.2
Freq. (MHz)	230.5	249.5	238.0	249.5
Limit (dB)	35.9	35.4	35.7	35.4
Worst Pair	12	36	12	78
PS NEXT (dB)	7.9	8.3	7.9	8.3
Freq. (MHz)	231.0	232.5	231.0	249.5
Limit (dB)	33.3	33.2	33.3	32.7

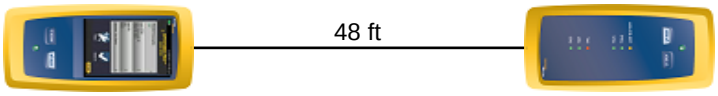
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-45	45-78
ACR-F (dB)	12.9	12.9	16.1	16.2
Freq. (MHz)	3.5	4.4	249.0	249.0
Limit (dB)	53.3	51.4	16.3	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.8	12.8	15.9	16.0
Freq. (MHz)	1.0	1.0	246.0	250.0
Limit (dB)	61.2	61.2	13.4	13.2

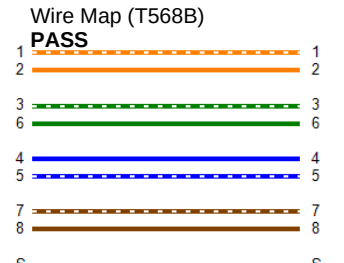
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	12-45	36-78
ACR-N (dB)	18.0	17.9	31.8	32.4
Freq. (MHz)	10.0	5.3	238.0	250.0
Limit (dB)	52.3	58.2	5.5	4.2
Worst Pair	45	45	12	78
PS ACR-N (dB)	18.3	17.5	32.8	34.4
Freq. (MHz)	6.0	5.9	231.0	250.0
Limit (dB)	54.7	54.9	3.6	1.6

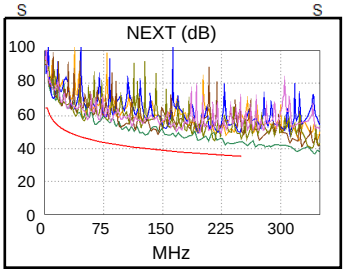
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.7	5.0	4.7	5.6
Freq. (MHz)	235.0	193.0	235.0	248.0
Limit (dB)	10.3	11.1	10.3	10.1

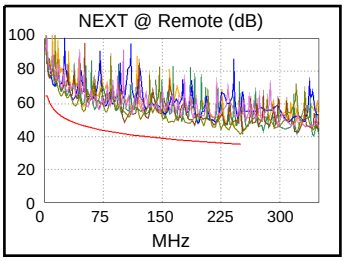
Compliant Network Standards:

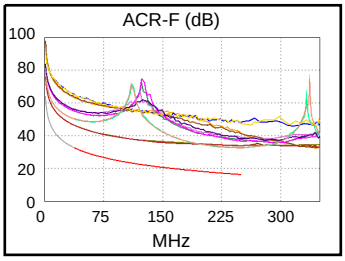
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

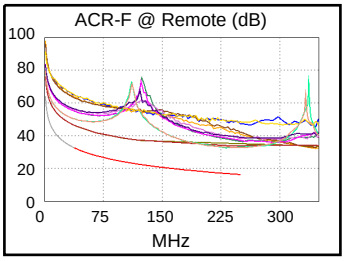


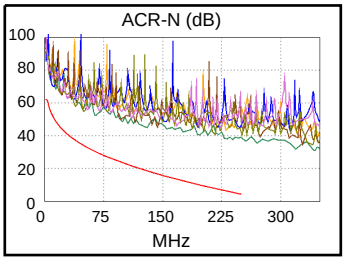


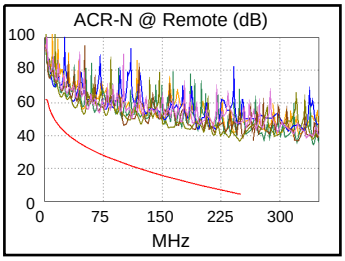


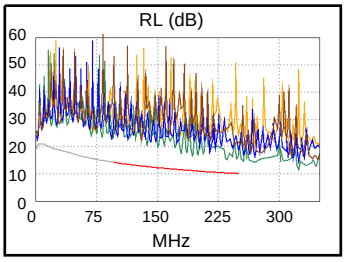


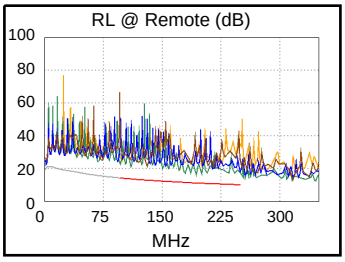












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 135

Date / Time: 05/03/2019 11:23:30 PM
Headroom 6.5 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	53
Prop. Delay (ns), Limit 498	[Pair 45]	83
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 36]	2.79
Insertion Loss Margin (dB)	[Pair 36]	25.2
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	12-45
NEXT (dB)	8.5	6.5	8.7	6.5
Freq. (MHz)	91.5	233.5	246.5	233.5
Limit (dB)	42.5	35.8	35.4	35.8
Worst Pair	45	45	45	45
PS NEXT (dB)	8.9	7.8	8.9	7.8
Freq. (MHz)	246.5	246.0	246.5	246.0
Limit (dB)	32.8	32.8	32.8	32.8

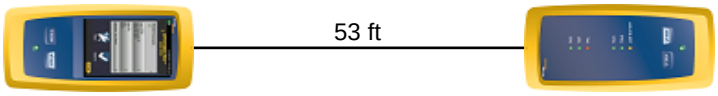
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	12.3	12.4	17.5	17.4
Freq. (MHz)	3.3	3.3	246.5	240.0
Limit (dB)	54.0	54.0	16.4	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.3	13.3	16.7	17.0
Freq. (MHz)	1.1	1.1	228.5	239.5
Limit (dB)	60.2	60.2	14.0	13.6

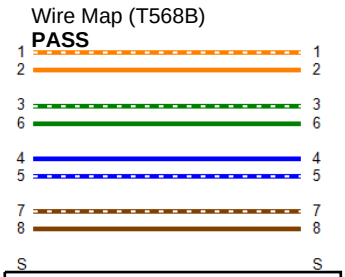
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	36-45	12-45
ACR-N (dB)	18.1	17.4	33.9	31.0
Freq. (MHz)	3.8	4.4	246.5	233.5
Limit (dB)	61.1	59.8	4.6	5.9
Worst Pair	12	45	45	45
PS ACR-N (dB)	18.3	17.0	34.1	33.0
Freq. (MHz)	4.0	4.4	246.5	246.0
Limit (dB)	58.3	57.5	2.0	2.0

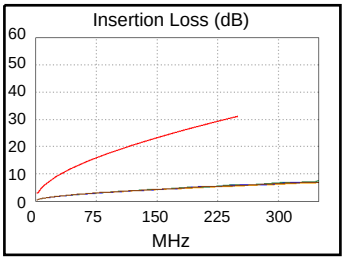
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.3	4.8	5.3	5.1
Freq. (MHz)	243.0	199.0	243.0	243.0
Limit (dB)	10.1	11.0	10.1	10.1

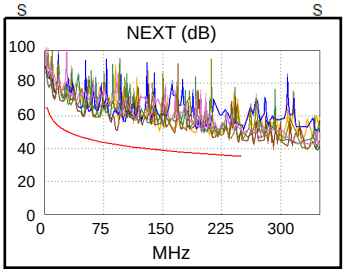
Compliant Network Standards:

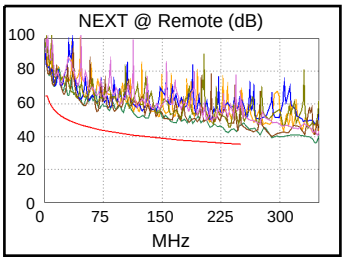
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

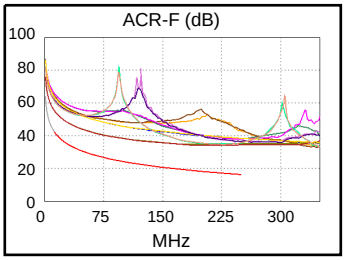


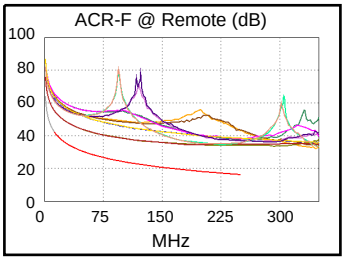


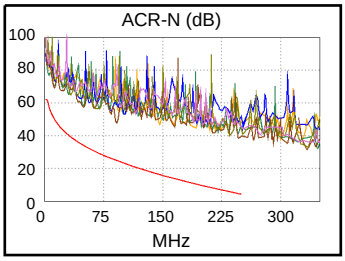


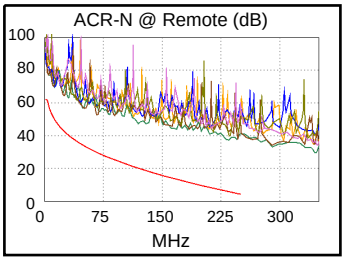


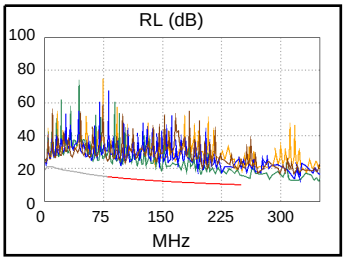


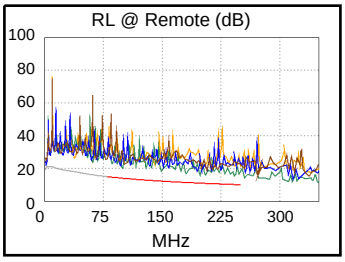












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 136

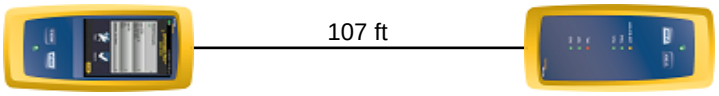
Date / Time: 05/04/2019 02:02:19 AM
Headroom 8.2 dB (NEXT 12-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

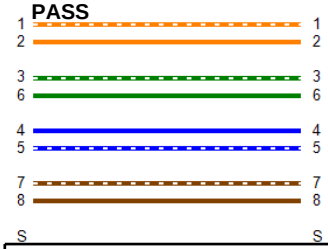
Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

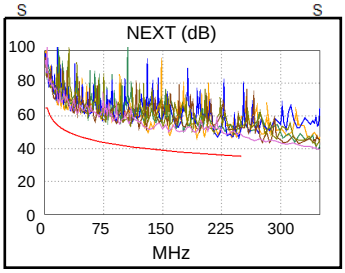
Length (ft), Limit 295	[Pair 78]	107
Prop. Delay (ns), Limit 498	[Pair 45]	167
Delay Skew (ns), Limit 44	[Pair 45]	10
Resistance (ohms)	[Pair 45]	5.42
Insertion Loss Margin (dB)	[Pair 36]	19.6
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1

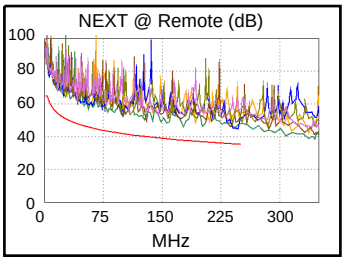


Wire Map (T568B)
PASS

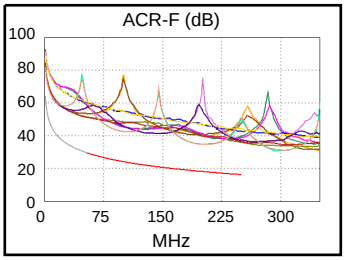


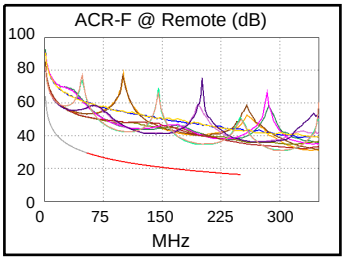
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	12-36	12-78
NEXT (dB)	9.3	8.2	9.3	9.3
Freq. (MHz)	193.5	177.5	193.5	243.0
Limit (dB)	37.2	37.8	37.2	35.5
Worst Pair	12	12	12	12
PS NEXT (dB)	10.3	8.9	11.0	8.9
Freq. (MHz)	220.5	243.0	247.0	243.0
Limit (dB)	33.6	32.9	32.8	32.9



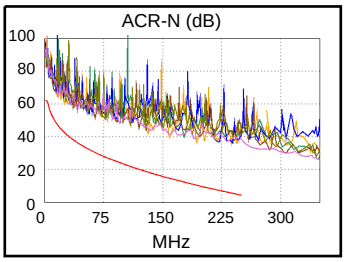


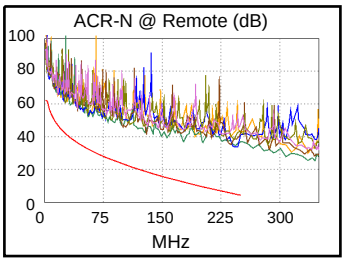
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	16.5	16.4	17.0	16.6
Freq. (MHz)	198.0	198.0	211.0	204.5
Limit (dB)	18.3	18.3	17.7	18.0
Worst Pair	36	36	45	45
PS ACR-F (dB)	16.6	16.8	17.8	18.1
Freq. (MHz)	1.0	1.6	215.5	215.0
Limit (dB)	61.2	57.0	14.5	14.5



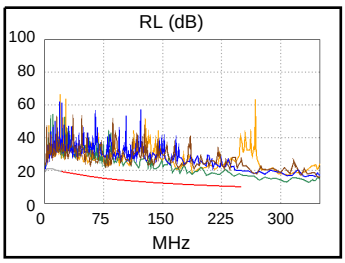


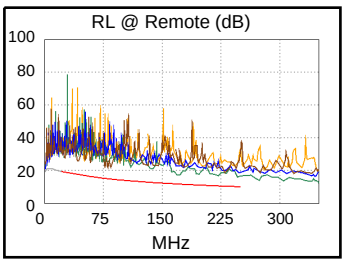
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-78	12-78
ACR-N (dB)	16.9	17.3	31.1	28.8
Freq. (MHz)	16.6	5.6	247.5	243.0
Limit (dB)	47.2	57.6	4.5	4.9
Worst Pair	12	78	12	12
PS ACR-N (dB)	17.7	17.5	31.0	28.6
Freq. (MHz)	14.9	5.6	247.0	243.0
Limit (dB)	45.9	55.3	1.9	2.3





PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.3	5.0	5.3	5.7
Freq. (MHz)	246.0	172.0	246.0	246.5
Limit (dB)	10.1	11.6	10.1	10.1





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 137

Date / Time: 05/04/2019 02:02:52 AM
Headroom 6.7 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	116
Prop. Delay (ns), Limit 498	[Pair 45]	182
Delay Skew (ns), Limit 44	[Pair 45]	11
Resistance (ohms)	[Pair 36]	5.95
Insertion Loss Margin (dB)	[Pair 12]	18.5
Frequency (MHz)	[Pair 12]	249.0
Limit (dB)	[Pair 12]	31.0

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	12-45
NEXT (dB)	7.9	6.7	8.3	7.4
Freq. (MHz)	196.5	214.5	238.0	237.5
Limit (dB)	37.1	36.4	35.7	35.7
Worst Pair	45	36	45	45
PS NEXT (dB)	7.9	7.5	7.9	8.7
Freq. (MHz)	234.5	171.5	234.5	243.0
Limit (dB)	33.2	35.4	33.2	32.9

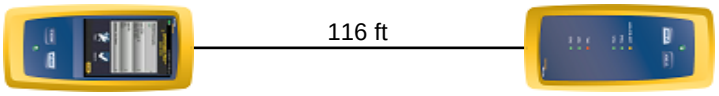
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	13.1	13.2	13.2	13.2
Freq. (MHz)	249.0	250.0	250.0	250.0
Limit (dB)	16.3	16.2	16.2	16.2
Worst Pair	45	45	36	45
PS ACR-F (dB)	13.2	13.1	15.3	14.9
Freq. (MHz)	1.4	1.0	250.0	250.0
Limit (dB)	58.4	61.2	13.2	13.2

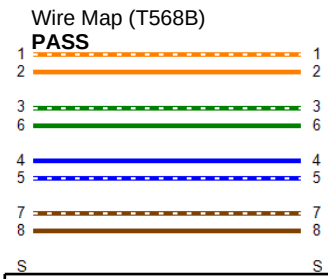
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-78	12-45	12-45
ACR-N (dB)	13.3	14.0	27.6	26.4
Freq. (MHz)	4.6	4.9	246.0	246.0
Limit (dB)	59.3	58.9	4.6	4.6
Worst Pair	78	36	45	45
PS ACR-N (dB)	13.5	14.3	26.0	27.1
Freq. (MHz)	9.4	6.3	234.5	243.0
Limit (dB)	50.6	54.3	3.2	2.3

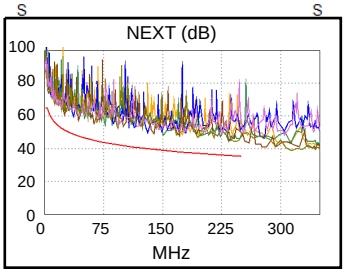
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	12	36
RL (dB)	5.1	5.0	6.1	6.2
Freq. (MHz)	59.3	184.0	219.0	247.0
Limit (dB)	16.3	11.4	10.6	10.1

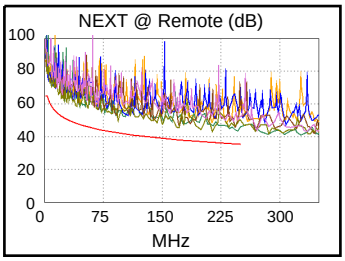
Compliant Network Standards:

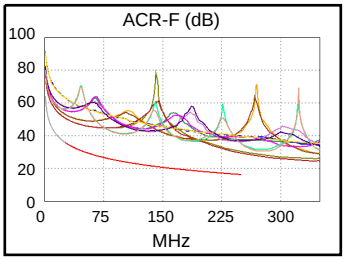
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

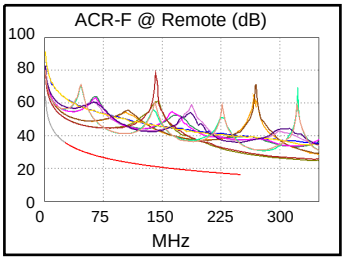


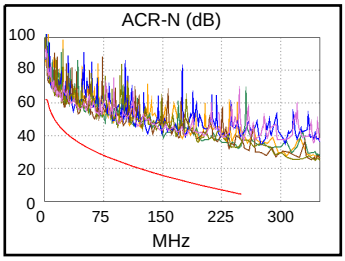


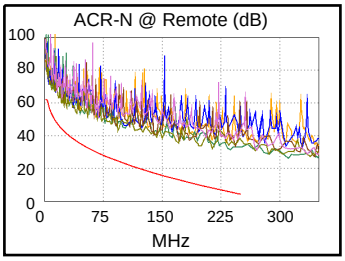


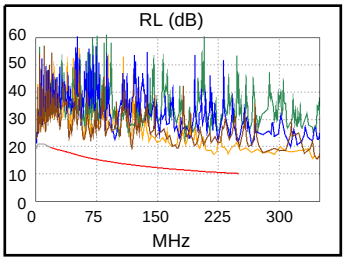


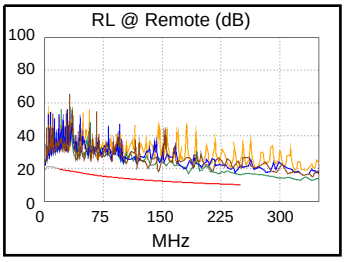












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 138

Date / Time: 05/04/2019 02:24:15 AM
Headroom 6.1 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	79
Prop. Delay (ns), Limit 498	[Pair 45]	123
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	4.06
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	6.5	6.1	6.5	6.1
Freq. (MHz)	199.5	249.5	199.5	249.5
Limit (dB)	36.9	35.4	36.9	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	8.0	7.6	8.0	7.8
Freq. (MHz)	227.5	228.5	227.5	249.5
Limit (dB)	33.4	33.4	33.4	32.7

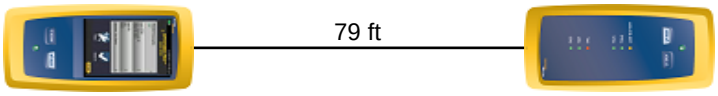
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	12-36
ACR-F (dB)	15.5	15.5	16.3	16.3
Freq. (MHz)	137.0	137.0	250.0	249.0
Limit (dB)	21.5	21.5	16.2	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	14.1	14.0	17.8	17.9
Freq. (MHz)	1.3	1.0	250.0	248.0
Limit (dB)	59.3	61.2	13.2	13.3

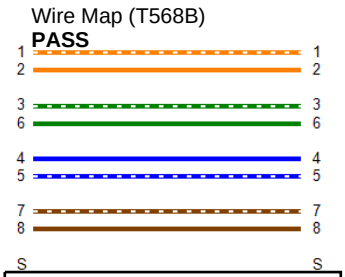
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.7	18.8	30.7	29.0
Freq. (MHz)	28.6	28.4	244.0	249.5
Limit (dB)	41.1	41.2	4.8	4.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	17.1	18.2	29.8	30.6
Freq. (MHz)	29.0	29.3	227.5	249.5
Limit (dB)	38.5	38.4	3.9	1.7

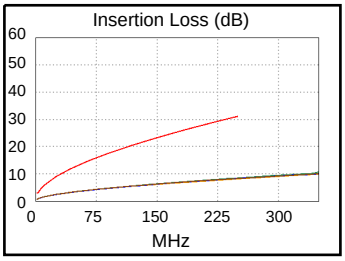
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.5	4.9	4.5	4.9
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	10.0	10.0	10.0	10.0

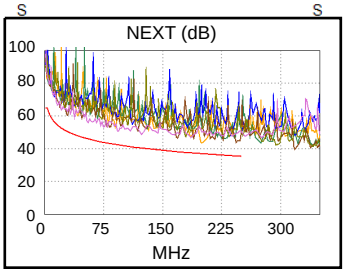
Compliant Network Standards:

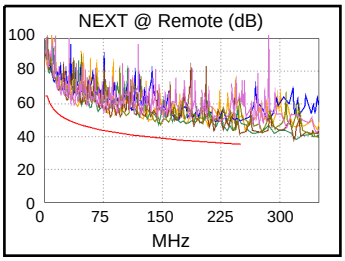
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

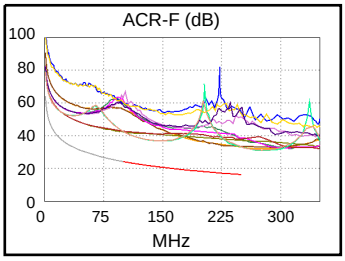


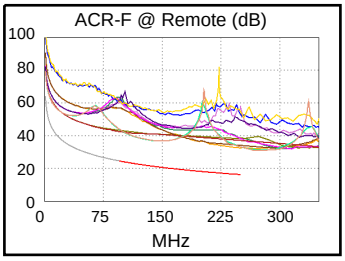


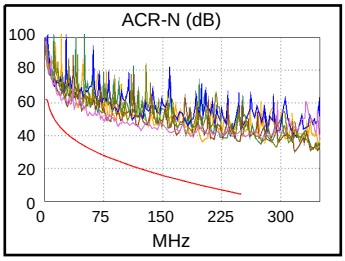


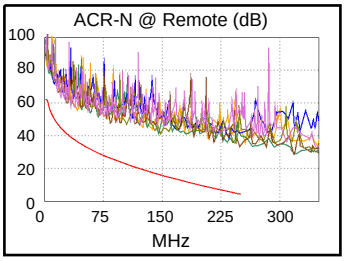


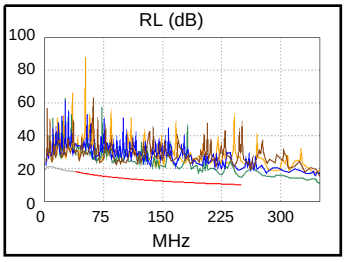


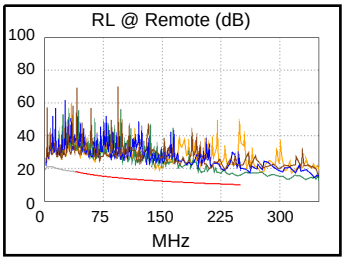












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 139

Date / Time: 05/04/2019 02:05:45 AM
Headroom 6.3 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	79
Prop. Delay (ns), Limit 498	[Pair 45]	123
Delay Skew (ns), Limit 44	[Pair 45]	7
Resistance (ohms)	[Pair 45]	4.13
Insertion Loss Margin (dB)	[Pair 36]	22.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.3	7.6	6.3	7.6
Freq. (MHz)	223.0	245.5	223.0	245.5
Limit (dB)	36.2	35.5	36.2	35.5
Worst Pair	45	36	45	36
PS NEXT (dB)	6.6	8.8	6.6	8.8
Freq. (MHz)	223.5	246.0	223.5	246.0
Limit (dB)	33.5	32.8	33.5	32.8

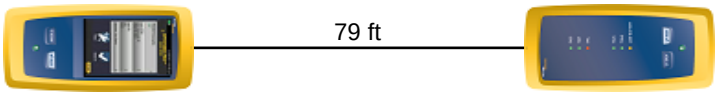
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-45	78-45
ACR-F (dB)	13.0	13.0	17.1	17.1
Freq. (MHz)	4.4	4.4	250.0	250.0
Limit (dB)	51.4	51.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.7	12.8	19.8	19.8
Freq. (MHz)	1.1	1.0	250.0	250.0
Limit (dB)	60.2	61.2	13.2	13.2

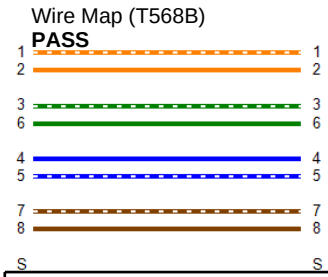
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
ACR-N (dB)	18.0	17.6	27.9	30.3
Freq. (MHz)	5.0	12.8	223.0	245.5
Limit (dB)	58.6	49.9	7.0	4.7
Worst Pair	12	12	45	36
PS ACR-N (dB)	16.3	16.1	28.1	31.1
Freq. (MHz)	5.0	4.8	223.5	246.0
Limit (dB)	56.3	56.8	4.4	2.0

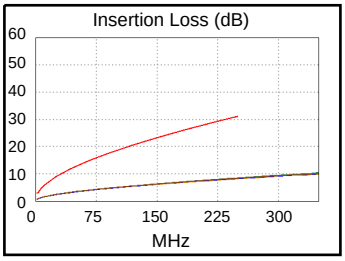
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	4.8	5.3	5.1	5.3
Freq. (MHz)	213.0	225.5	246.5	225.5
Limit (dB)	10.7	10.5	10.1	10.5

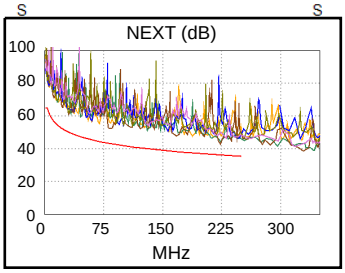
Compliant Network Standards:

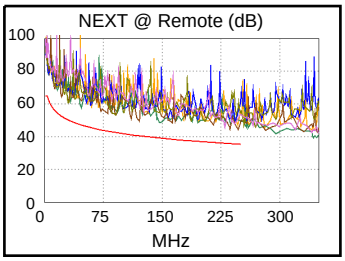
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

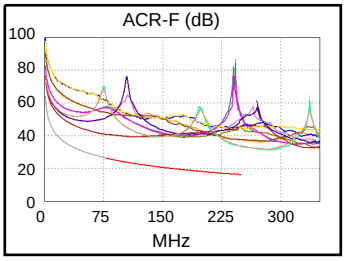


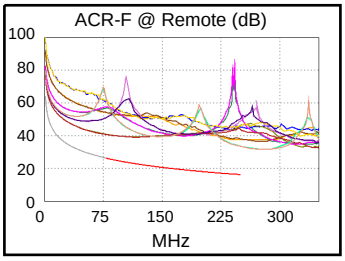


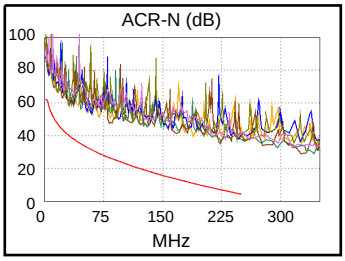


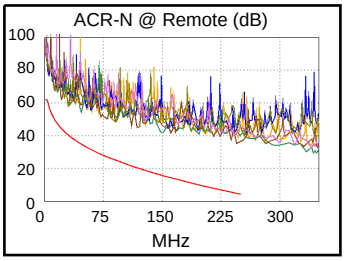


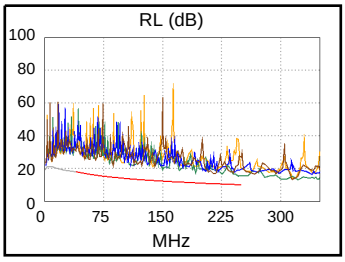


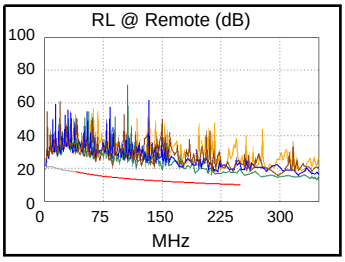












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 140

Date / Time: 05/24/2019 05:59:10 PM
Headroom 6.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	98
Prop. Delay (ns), Limit 498	[Pair 45]	154
Delay Skew (ns), Limit 44	[Pair 45]	9
Resistance (ohms)	[Pair 45]	5.06
Insertion Loss Margin (dB)	[Pair 36]	20.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	36-78
NEXT (dB)	7.9	6.1	8.5	6.1
Freq. (MHz)	161.0	222.0	248.5	222.0
Limit (dB)	38.5	36.2	35.4	36.2
Worst Pair	36	36	36	36
PS NEXT (dB)	7.6	5.8	7.6	5.8
Freq. (MHz)	222.0	222.0	222.0	222.0
Limit (dB)	33.6	33.6	33.6	33.6

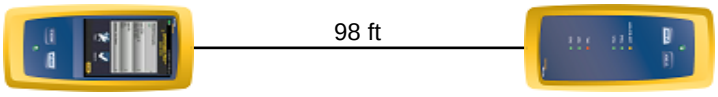
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-45	45-78
ACR-F (dB)	13.4	13.4	17.3	16.9
Freq. (MHz)	4.1	4.1	231.5	226.5
Limit (dB)	51.9	51.9	16.9	17.1
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.7	13.9	18.8	19.1
Freq. (MHz)	1.0	1.6	231.5	230.0
Limit (dB)	61.2	57.0	13.9	14.0

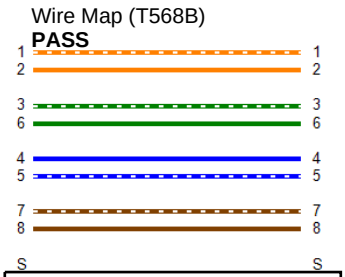
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-45	12-36
ACR-N (dB)	15.7	14.5	29.1	28.0
Freq. (MHz)	28.5	4.1	248.5	250.0
Limit (dB)	41.1	60.3	4.4	4.2
Worst Pair	36	36	45	36
PS ACR-N (dB)	15.3	14.6	29.0	27.7
Freq. (MHz)	4.4	4.5	247.5	248.0
Limit (dB)	57.5	57.3	1.9	1.8

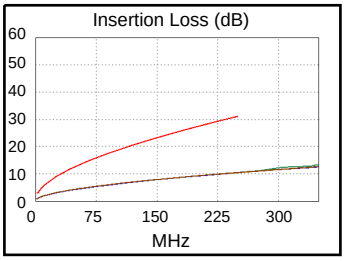
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.5	4.8	3.5	4.8
Freq. (MHz)	246.5	246.5	246.5	246.5
Limit (dB)	10.1	10.1	10.1	10.1

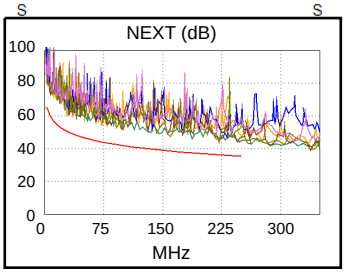
Compliant Network Standards:

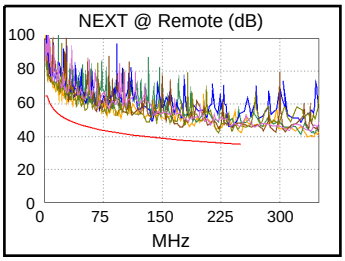
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

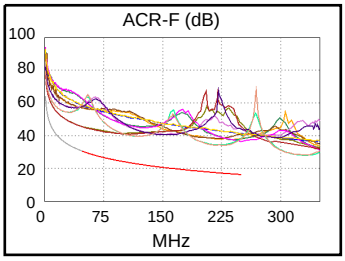


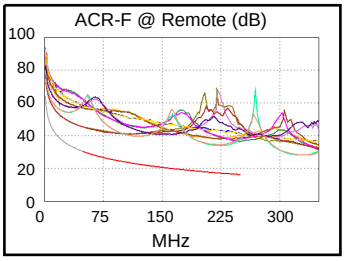


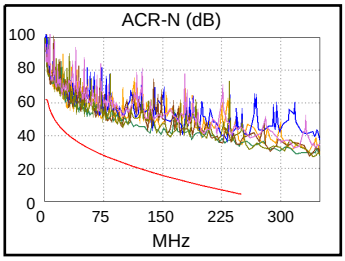


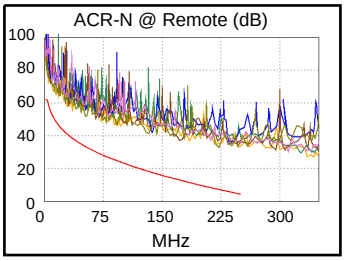


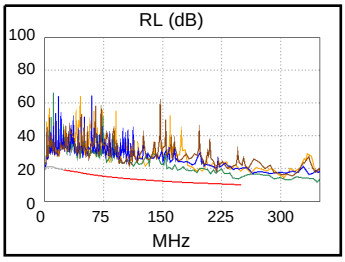


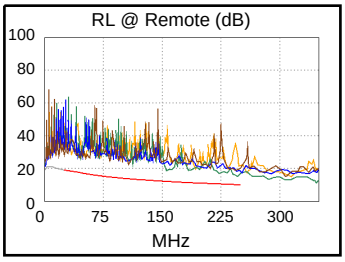












LINKWARE™PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 141

Date / Time: 05/04/2019 02:12:31 AM
Headroom 5.2 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
Cable Type: Cat 6 U/UTP
NVP: 69.0%

Operator: DANIEL FOSBINDER
Software Version: V6.0 Build 6
Limits Version: V7.0
Calibration Date:
Main (Module): 07/19/2018
Remote (Module): 07/19/2018

Test Summary: PASS

Model: DSX-5000
Main S/N: 2468359
Remote S/N: 2468388
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

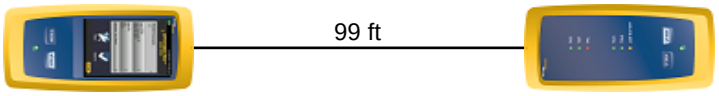
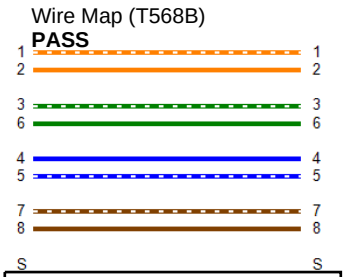
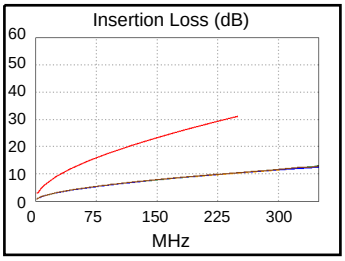
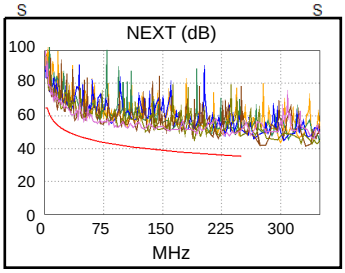
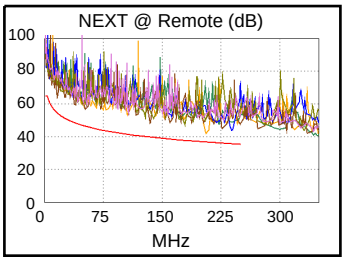
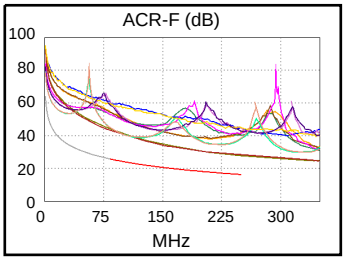
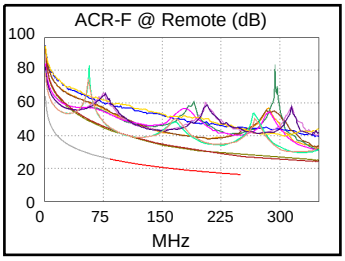
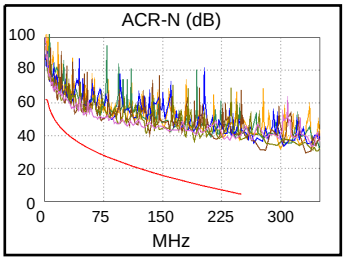
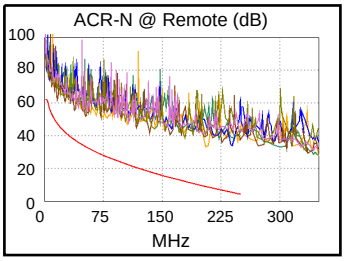
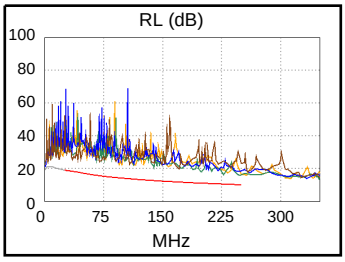
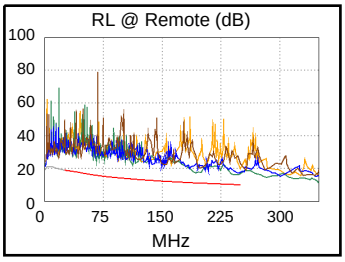
Length (ft), Limit 295	[Pair 78]	99
Prop. Delay (ns), Limit 498	[Pair 45]	155
Delay Skew (ns), Limit 44	[Pair 45]	9
Resistance (ohms)	[Pair 45]	5.07
Insertion Loss Margin (dB)	[Pair 36]	20.5
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-78	12-36
NEXT (dB)	7.7	5.2	8.2	5.2
Freq. (MHz)	134.0	207.0	190.5	207.0
Limit (dB)	39.8	36.7	37.3	36.7
Worst Pair	78	36	36	36
PS NEXT (dB)	8.8	6.5	9.5	6.5
Freq. (MHz)	190.5	206.5	221.0	206.5
Limit (dB)	34.7	34.1	33.6	34.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	11.4	11.1	11.4	11.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	45	36
PS ACR-F (dB)	13.6	13.6	13.9	13.8
Freq. (MHz)	229.0	217.0	250.0	250.0
Limit (dB)	14.0	14.5	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	12-36
ACR-N (dB)	14.5	14.4	25.9	23.8
Freq. (MHz)	16.0	16.3	190.5	207.0
Limit (dB)	47.6	47.4	10.7	8.8
Worst Pair	78	36	36	36
PS ACR-N (dB)	15.2	16.0	31.6	25.1
Freq. (MHz)	5.8	16.3	248.0	206.5
Limit (dB)	55.1	45.0	1.8	6.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.2	5.8	5.3	5.8
Freq. (MHz)	246.0	242.5	249.0	242.5
Limit (dB)	10.1	10.2	10.0	10.2

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive