

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
001	PASS	TIA Cat 6A Perm. Link	26 ft	3.0 dB (NEXT)	06/01/2016 09:55 AM
002	PASS	TIA Cat 6A Perm. Link	26 ft	2.2 dB (NEXT)	06/01/2016 09:56 AM
003	PASS	TIA Cat 6A Perm. Link	26 ft	2.9 dB (NEXT)	06/01/2016 09:57 AM
004	PASS	TIA Cat 6A Perm. Link	26 ft	1.8 dB (NEXT)	06/01/2016 09:57 AM
005	PASS	TIA Cat 6A Perm. Link	31 ft	2.3 dB (NEXT)	06/01/2016 09:58 AM
006	PASS	TIA Cat 6A Perm. Link	31 ft	3.6 dB (NEXT)	06/01/2016 10:05 AM
007	PASS	TIA Cat 6A Perm. Link	37 ft	4.3 dB (NEXT)	06/01/2016 10:05 AM
008	PASS*	TIA Cat 6A Perm. Link	37 ft	0.8 dB (NEXT)	06/01/2016 10:06 AM
009	PASS	TIA Cat 6A Perm. Link	43 ft	3.2 dB (NEXT)	06/01/2016 10:06 AM
010	PASS	TIA Cat 6A Perm. Link	43 ft	3.8 dB (NEXT)	06/01/2016 10:07 AM
011	PASS	TIA Cat 6A Perm. Link	49 ft	4.1 dB (NEXT)	06/01/2016 10:07 AM
012	PASS	TIA Cat 6A Perm. Link	49 ft	3.2 dB (NEXT)	06/01/2016 10:08 AM
013	PASS	TIA Cat 6A Perm. Link	56 ft	3.6 dB (NEXT)	06/01/2016 10:08 AM
014	PASS*	TIA Cat 6A Perm. Link	56 ft	0.9 dB (NEXT)	06/01/2016 10:08 AM
015	PASS	TIA Cat 6A Perm. Link	48 ft	3.4 dB (NEXT)	06/01/2016 10:09 AM
016	PASS	TIA Cat 6A Perm. Link	48 ft	3.7 dB (NEXT)	06/01/2016 10:09 AM
017	PASS	TIA Cat 6A Perm. Link	41 ft	3.3 dB (NEXT)	06/01/2016 10:10 AM
018	PASS	TIA Cat 6A Perm. Link	42 ft	4.1 dB (NEXT)	06/01/2016 10:30 AM
019	FAIL	TIA 1005 Cat 5e Perm. Link	1 ft	-6.8 dB (NEXT)	06/10/2016 12:55 PM
020	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	11.7 dB (NEXT)	06/10/2016 12:58 PM
021	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	10.8 dB (NEXT)	06/10/2016 02:27 PM
022	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	10.8 dB (NEXT)	06/10/2016 02:29 PM
023	FAIL	TIA 1005 Cat 5e Perm. Link	1 ft	-6.7 dB (NEXT)	06/10/2016 02:31 PM
024	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	0.9 dB (NEXT)	06/10/2016 04:48 PM
025	FAIL	TIA 1005 Cat 5e Perm. Link	10 ft	-0.9 dB (NEXT)	06/10/2016 04:51 PM
026	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	1.0 dB (NEXT)	06/10/2016 04:52 PM
027	FAIL	TIA Cat 6 Perm. Link	11 ft	-8.6 dB (NEXT)	06/10/2016 04:53 PM
028	FAIL	TIA Cat 5e Channel (+All)	10 ft	14.7 dB (NEXT)	06/14/2016 10:49 AM
029	FAIL	TIA Cat 5e Channel (+All)	10 ft	16.2 dB (NEXT)	06/14/2016 10:52 AM
030	PASS	TIA Cat 5e Channel (+All)	8 ft	21.2 dB (NEXT)	06/14/2016 10:54 AM
031	FAIL	TIA Cat 5e Channel (+All)	10 ft	13.7 dB (NEXT)	06/14/2016 10:56 AM
032	PASS	TIA Cat 5e Channel (+All)	8 ft	20.8 dB (NEXT)	06/14/2016 10:57 AM
033	PASS	TIA Cat 5e Channel (+All)	5 ft	15.3 dB (NEXT)	06/14/2016 12:47 PM
034	PASS*	TIA Cat 6A Channel	10 ft	0.6 dB (NEXT)	06/14/2016 01:01 PM
035	PASS	TIA Cat 6 Perm. Link	8 ft	10.8 dB (NEXT)	06/14/2016 01:03 PM
036	PASS	TIA 1005 Cat 5e Perm. Link	16 ft	6.2 dB (NEXT)	06/17/2016 03:09 PM
037	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	5.6 dB (NEXT)	06/17/2016 03:10 PM
038	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	4.5 dB (NEXT)	06/17/2016 03:10 PM
039	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	6.7 dB (NEXT)	06/17/2016 03:11 PM
040	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-5.9 dB (NEXT)	06/17/2016 03:11 PM
041	PASS	TIA 1005 Cat 5e Perm. Link	19 ft	5.8 dB (NEXT)	06/17/2016 05:21 PM
042	FAIL	TIA 1005 Cat 5e Perm. Link	19 ft	-2.4 dB (NEXT)	06/17/2016 05:22 PM
043	FAIL	TIA 1005 Cat 5e Perm. Link	19 ft	-2.4 dB (NEXT)	06/17/2016 05:25 PM
044	FAIL	TIA Cat 5e Channel (+All)	4 ft	-1.1 dB (NEXT)	06/23/2016 07:49 PM
045	PASS	TIA Cat 6A Channel	10 ft	7.2 dB (NEXT)	06/23/2016 07:54 PM
046	FAIL	TIA Cat 6 Perm. Link	56 ft	-18.5 dB (NEXT)	06/23/2016 08:01 PM
047	FAIL	TIA Cat 6 Perm. Link	56 ft	-18.6 dB (NEXT)	06/23/2016 08:02 PM
048	FAIL	TIA Cat 6 Perm. Link	53 ft	-18.2 dB (NEXT)	06/23/2016 08:05 PM
049	FAIL	TIA Cat 6 Perm. Link	19 ft	-6.9 dB (NEXT)	06/23/2016 08:08 PM
050	PASS	TIA 1005 Cat 5e Perm. Link	19 ft	5.6 dB (NEXT)	06/23/2016 08:10 PM
051	PASS	TIA 1005 Cat 5e Perm. Link	15 ft	7.1 dB (NEXT)	06/23/2016 08:12 PM
052	FAIL	TIA 1005 Cat 5e Perm. Link	19 ft	-2.5 dB (NEXT)	06/23/2016 08:14 PM
053	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-5.9 dB (NEXT)	06/23/2016 08:18 PM
054	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-6.2 dB (NEXT)	06/23/2016 08:20 PM
055	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-6.2 dB (NEXT)	06/23/2016 08:20 PM
056	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-5.8 dB (NEXT)	06/24/2016 01:39 PM
057	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-5.7 dB (NEXT)	06/24/2016 02:01 PM
058	FAIL	TIA 1005 Cat 5e Perm. Link	39 ft	-5.5 dB (NEXT)	06/24/2016 02:04 PM
059	FAIL	TIA 1005 Cat 5e Perm. Link	38 ft	-5.8 dB (NEXT)	06/24/2016 02:26 PM
060	FAIL	TIA 1005 Cat 5e Perm. Link	38 ft	-5.8 dB (NEXT)	06/24/2016 02:27 PM
061	PASS	TIA 1005 Cat 5e Perm. Link	30 ft	2.3 dB (NEXT)	06/24/2016 02:52 PM
062	PASS	TIA 1005 Cat 5e Perm. Link	30 ft	2.3 dB (NEXT)	06/24/2016 02:52 PM
063	PASS	TIA 1005 Cat 5e Perm. Link	17 ft	11.5 dB (NEXT)	06/24/2016 03:15 PM
064	PASS	TIA 1005 Cat 5e Perm. Link	20 ft	10.8 dB (NEXT)	06/24/2016 03:17 PM
065	PASS	TIA 1005 Cat 5e Perm. Link	16 ft	1.7 dB (NEXT)	06/24/2016 04:46 PM
066	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	7.6 dB (NEXT)	06/24/2016 06:02 PM
067	PASS	TIA 1005 Cat 5e Perm. Link	9 ft	6.1 dB (NEXT)	06/24/2016 06:02 PM
068	FAIL	TIA 1005 Cat 5e Perm. Link	11 ft	-14.9 dB (NEXT)	06/24/2016 06:04 PM
069	FAIL	TIA 1005 Cat 5e Perm. Link	29 ft	-5.8 dB (NEXT)	06/24/2016 06:17 PM
070	FAIL	TIA 1005 Cat 5e Perm. Link	29 ft	-5.8 dB (NEXT)	06/24/2016 06:19 PM
071	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	5.6 dB (NEXT)	06/24/2016 06:32 PM
072	PASS	TIA 1005 Cat 5e Perm. Link	10 ft	0.6 dB (NEXT)	06/24/2016 06:47 PM
073	PASS*	TIA 1005 Cat 5e Perm. Link	22 ft	6.2 dB (NEXT)	06/24/2016 06:48 PM
074	PASS	TIA 1005 Cat 5e Perm. Link	22 ft	6.2 dB (NEXT)	06/24/2016 06:49 PM
075	FAIL	TIA 1005 Cat 5e Perm. Link	20 ft	-2.2 dB (NEXT)	06/24/2016 06:50 PM
076	FAIL	TIA 1005 Cat 5e Perm. Link	20 ft	-2.2 dB (NEXT)	06/24/2016 06:52 PM
077	FAIL	TIA 1005 Cat 5e Perm. Link	15 ft	-0.9 dB (NEXT)	07/01/2016 05:13 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
078	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	N/A	07/01/2016 05:17 PM
079	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	0.7 dB (NEXT)	07/01/2016 05:20 PM
080	PASS	TIA 1005 Cat 5e Perm. Link	19 ft	6.8 dB (NEXT)	07/01/2016 05:23 PM
081	PASS	TIA 1005 Cat 5e Perm. Link	19 ft	6.8 dB (NEXT)	07/01/2016 05:23 PM
082	FAIL	TIA 1005 Cat 5e Perm. Link	18 ft	-1.1 dB (NEXT)	07/01/2016 05:24 PM
083	FAIL	TIA 1005 Cat 5e Perm. Link	18 ft	-1.1 dB (NEXT)	07/01/2016 05:24 PM
084	FAIL	TIA 1005 Cat 5e Perm. Link	10 ft	-1.1 dB (NEXT)	07/01/2016 05:28 PM
085	PASS	TIA 1005 Cat 5e Perm. Link	9 ft	6.4 dB (NEXT)	07/01/2016 05:30 PM
086	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	6.7 dB (NEXT)	07/01/2016 05:31 PM
087	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	9.9 dB (NEXT)	07/01/2016 05:31 PM
088	FAIL	TIA 1005 Cat 5e Perm. Link	1 ft	-17.3 dB (NEXT)	07/01/2016 05:33 PM
089	FAIL	TIA 1005 Cat 5e Perm. Link	1 ft	-7.3 dB (NEXT)	07/01/2016 05:33 PM
090	FAIL	TIA 1005 Cat 5e Perm. Link	29 ft	-5.9 dB (NEXT)	07/01/2016 05:34 PM
091	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	5.8 dB (NEXT)	07/01/2016 05:39 PM
092	FAIL	TIA 1005 Cat 5e Perm. Link	1 ft	N/A	07/01/2016 05:40 PM
093	PASS	TIA 1005 Cat 5e Perm. Link	10 ft	1.3 dB (NEXT)	07/01/2016 05:43 PM
094	FAIL	TIA 1005 Cat 5e Perm. Link	1 ft	-2.2 dB (NEXT)	07/01/2016 05:43 PM

Total Length:	2123 ft
Number of Reports:	94
Number of Passing Reports:	54
Number of Failing Reports:	40
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: 001

Date / Time: 06/01/2016 09:55:43 AM

Headroom 3.0 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	26
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 45]	1.5
Insertion Loss Margin (dB)	[Pair 36]	39.0
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8



26 ft

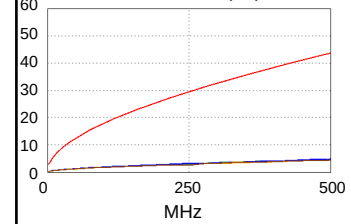


Wire Map (T568A)

PASS

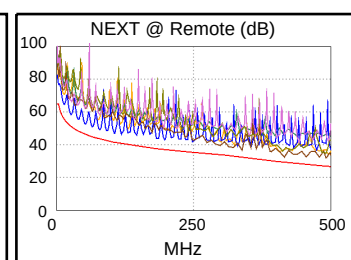
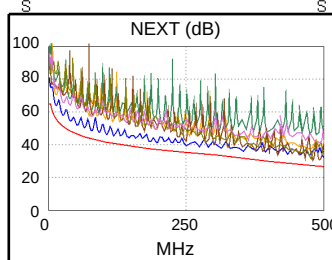


Insertion Loss (dB)

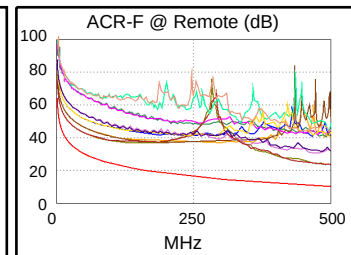
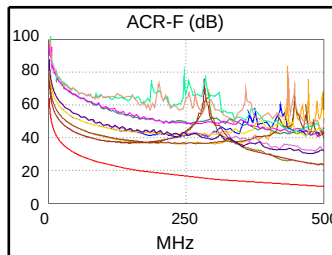


Worst Case Margin Worst Case Value

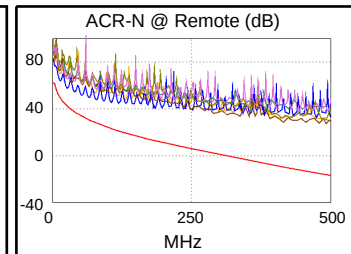
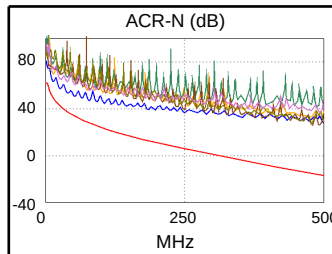
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	3.4	3.0	3.4	5.0
Freq. (MHz)	480.0	416.0	480.0	491.0
Limit (dB)	27.2	29.3	27.2	26.9
Worst Pair	36	36	36	36
PS NEXT (dB)	3.3	3.3	3.3	5.3
Freq. (MHz)	479.0	416.0	479.0	491.0
Limit (dB)	24.4	26.5	24.4	24.0



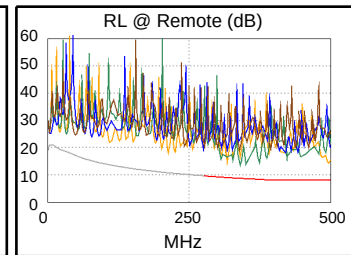
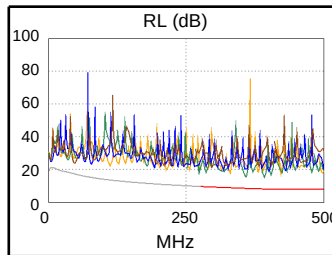
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	11.6	11.6	13.1	13.3
Freq. (MHz)	3.3	3.3	500.0	500.0
Limit (dB)	54.0	54.0	10.2	10.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.9	12.8	15.6	15.7
Freq. (MHz)	2.4	1.5	500.0	500.0
Limit (dB)	53.7	57.7	7.2	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	13.2	14.6	41.5	43.7
Freq. (MHz)	3.6	12.9	480.0	491.0
Limit (dB)	61.4	49.8	-15.5	-16.4
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.1	15.7	41.4	43.9
Freq. (MHz)	12.9	12.8	479.0	491.0
Limit (dB)	47.5	47.6	-18.3	-19.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.9	4.7	7.1	4.7
Freq. (MHz)	358.0	352.0	392.0	352.0
Limit (dB)	8.5	8.5	8.1	8.5



Compliant Network Standards:

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



Cable ID: 002

Date / Time: 06/01/2016 09:56:12 AM

Headroom 2.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

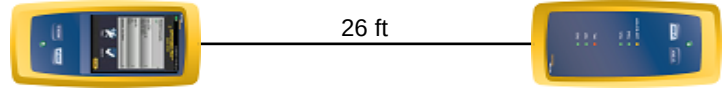
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	26
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 12]	1.6
Insertion Loss Margin (dB)	[Pair 36]	39.1
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

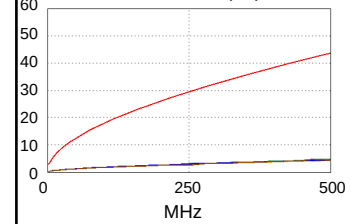


Wire Map (T568A)

PASS

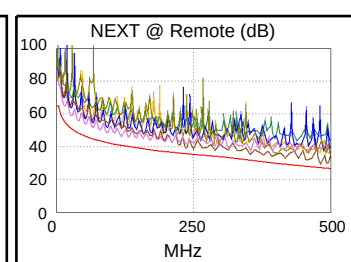
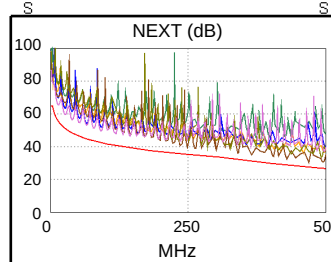


Insertion Loss (dB)

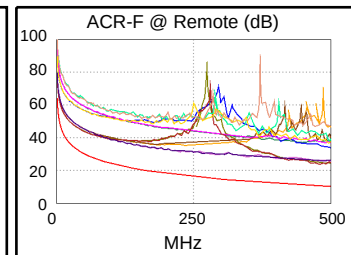
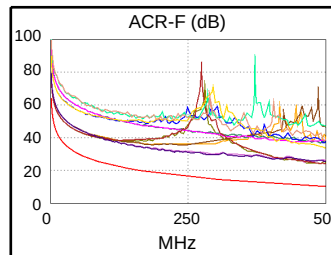


Worst Case Margin Worst Case Value

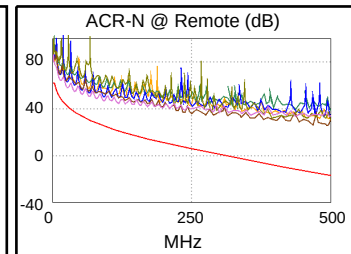
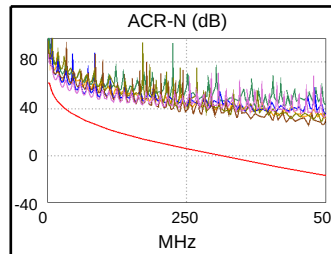
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.8	2.2	2.8	2.2
Freq. (MHz)	469.0	481.0	469.0	481.0
Limit (dB)	27.6	27.2	27.6	27.2
Worst Pair	36	36	36	36
PS NEXT (dB)	4.2	3.7	5.1	3.7
Freq. (MHz)	328.0	480.0	495.0	480.0
Limit (dB)	30.1	24.4	23.9	24.4



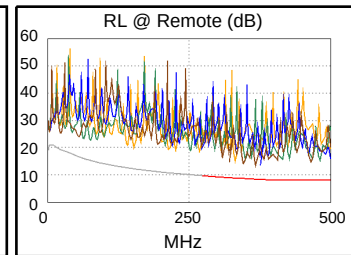
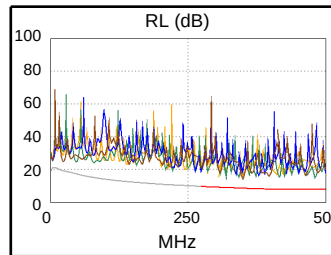
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
ACR-F (dB)	12.3	12.4	13.2	13.0
Freq. (MHz)	3.3	3.6	478.0	478.0
Limit (dB)	54.0	53.0	10.6	10.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	11.8	11.8	14.0	13.7
Freq. (MHz)	2.1	2.1	478.0	477.0
Limit (dB)	54.6	54.6	7.6	7.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	15.6	15.0	40.6	40.6
Freq. (MHz)	13.3	13.5	469.0	481.0
Limit (dB)	49.5	49.4	-14.6	-15.6
Worst Pair	45	45	36	36
PS ACR-N (dB)	16.2	15.7	44.0	41.8
Freq. (MHz)	12.0	12.1	495.0	480.0
Limit (dB)	48.2	48.1	-19.6	-18.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	5.7	4.8	5.7	4.8
Freq. (MHz)	350.0	369.0	350.0	369.0
Limit (dB)	8.6	8.3	8.6	8.3



Compliant Network Standards:

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



Cable ID: 003

Date / Time: 06/01/2016 09:57:04 AM

Headroom 2.9 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

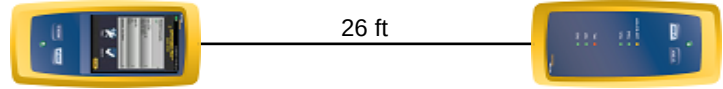
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	26
Prop. Delay (ns), Limit 498	[Pair 45]	40
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 12]	1.4
Insertion Loss Margin (dB)	[Pair 36]	39.0
Frequency (MHz)	[Pair 36]	495.0
Limit (dB)	[Pair 36]	43.5



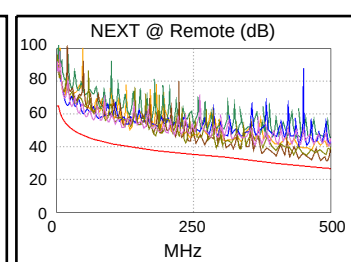
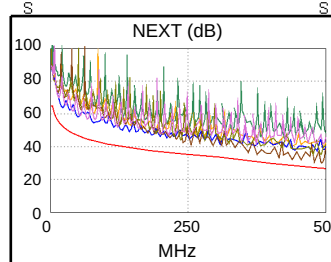
Wire Map (T568A)

PASS

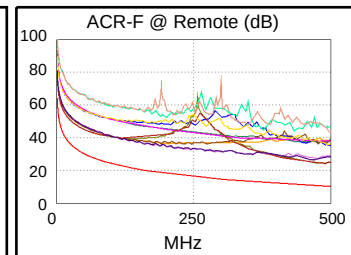
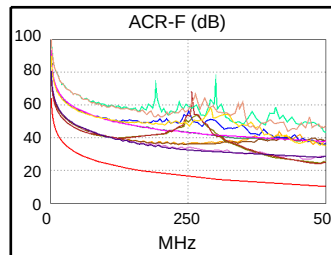


Worst Case Margin Worst Case Value

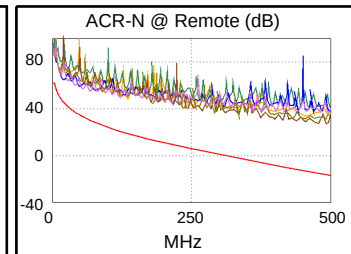
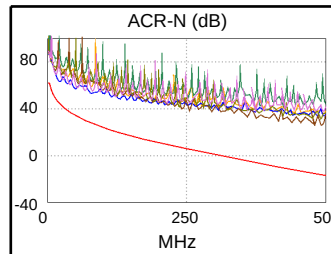
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.9	3.6	3.2	4.0
Freq. (MHz)	426.0	467.0	492.0	480.0
Limit (dB)	29.0	27.6	26.9	27.2
Worst Pair	36	36	36	36
PS NEXT (dB)	4.6	4.6	4.9	4.7
Freq. (MHz)	426.0	467.0	492.0	468.0
Limit (dB)	26.2	24.8	24.0	24.7



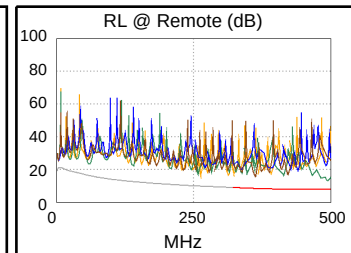
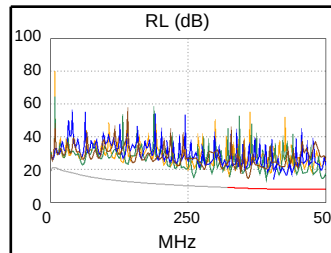
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	45-36
ACR-F (dB)	13.4	13.4	13.7	13.5
Freq. (MHz)	3.5	477.0	489.0	489.0
Limit (dB)	53.3	10.6	10.4	10.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	13.0	13.0	14.6	14.4
Freq. (MHz)	1.0	2.0	477.0	475.0
Limit (dB)	61.2	55.2	7.6	7.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	18.3	18.7	42.5	42.6
Freq. (MHz)	20.3	18.4	492.0	480.0
Limit (dB)	45.1	46.2	-16.5	-15.5
Worst Pair	78	78	36	36
PS ACR-N (dB)	19.6	18.9	43.7	42.5
Freq. (MHz)	14.6	14.3	492.0	468.0
Limit (dB)	46.2	46.4	-19.3	-17.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	6.1	5.2	6.5	5.2
Freq. (MHz)	359.0	494.0	494.0	494.0
Limit (dB)	8.4	8.0	8.0	8.0



Compliant Network Standards:

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



Cable ID: 004

Date / Time: 06/01/2016 09:57:23 AM

Headroom 1.8 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

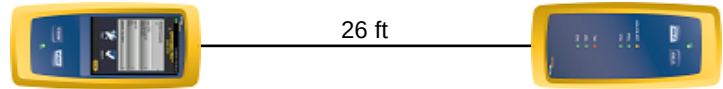
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	26
Prop. Delay (ns), Limit 498	[Pair 45]	40
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.4
Insertion Loss Margin (dB)	[Pair 36]	38.8
Frequency (MHz)	[Pair 36]	495.0
Limit (dB)	[Pair 36]	43.5

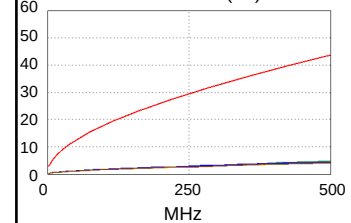


Wire Map (T568A)

PASS

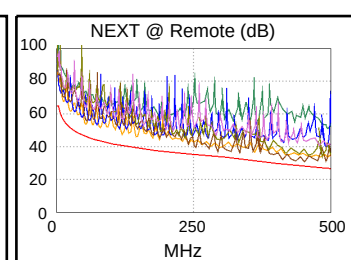
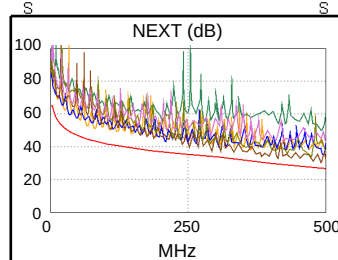


Insertion Loss (dB)

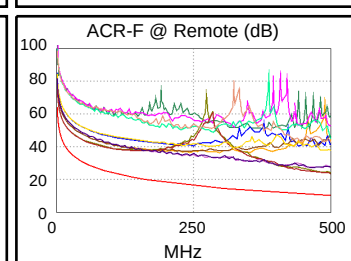
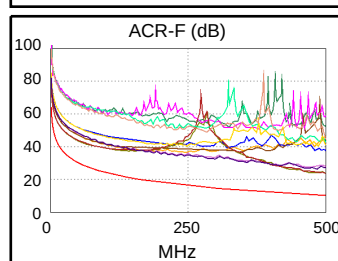


Worst Case Margin Worst Case Value

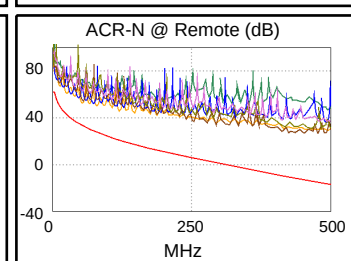
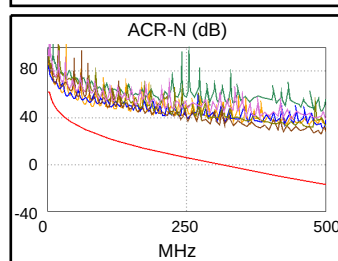
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.6	1.8	3.3	2.7
Freq. (MHz)	425.0	425.0	490.0	452.0
Limit (dB)	29.0	29.0	26.9	28.1
Worst Pair	36	36	36	36
PS NEXT (dB)	3.5	2.8	5.5	3.3
Freq. (MHz)	307.0	425.0	489.0	465.0
Limit (dB)	31.1	26.2	24.1	24.8



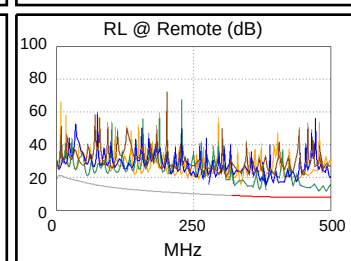
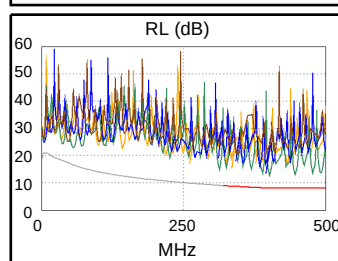
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	12.1	12.1	13.3	13.1
Freq. (MHz)	3.3	3.3	487.0	488.0
Limit (dB)	54.0	54.0	10.4	10.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.5	12.6	14.5	15.0
Freq. (MHz)	2.0	1.6	486.0	500.0
Limit (dB)	55.2	57.0	7.5	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	16.5	16.8	42.3	43.1
Freq. (MHz)	4.0	5.9	490.0	490.0
Limit (dB)	60.5	57.2	-16.3	-16.3
Worst Pair	12	12	36	36
PS ACR-N (dB)	16.5	16.6	44.1	40.8
Freq. (MHz)	4.0	4.0	489.0	465.0
Limit (dB)	58.3	58.3	-19.1	-17.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.7	3.7	4.7	3.7
Freq. (MHz)	402.0	491.0	402.0	491.0
Limit (dB)	8.0	8.0	8.0	8.0



Compliant Network Standards:

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



Cable ID: 005

Date / Time: 06/01/2016 09:58:16 AM

Headroom 2.3 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

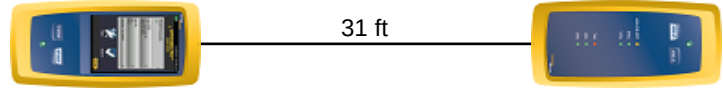
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	31
Prop. Delay (ns), Limit 498	[Pair 45]	50
Delay Skew (ns), Limit 44	[Pair 45]	3
Resistance (ohms)	[Pair 45]	1.8
Insertion Loss Margin (dB)	[Pair 36]	38.6
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8



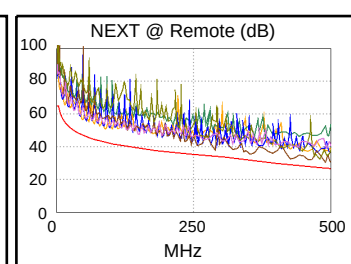
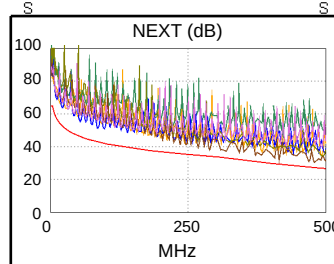
Wire Map (T568A)

PASS

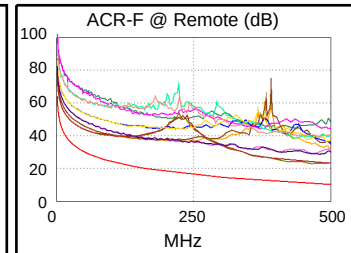
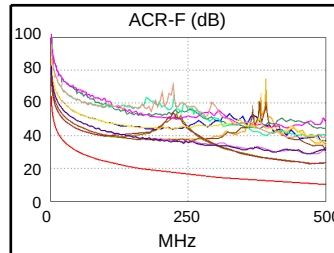


Worst Case Margin Worst Case Value

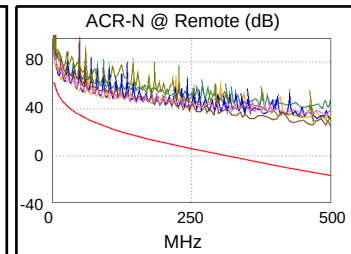
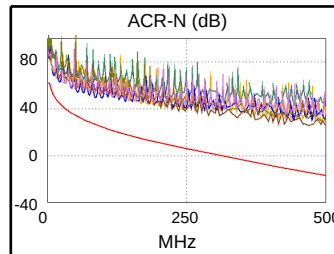
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.3	2.9	3.1	3.2
Freq. (MHz)	416.0	469.0	479.0	489.0
Limit (dB)	29.3	27.6	27.3	27.0
Worst Pair	36	36	36	36
PS NEXT (dB)	3.0	3.7	4.7	3.7
Freq. (MHz)	416.0	479.0	490.0	479.0
Limit (dB)	26.5	24.4	24.1	24.4



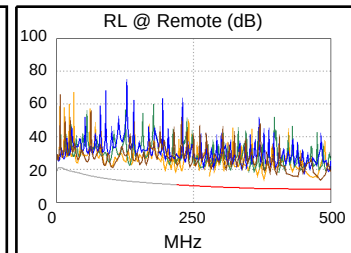
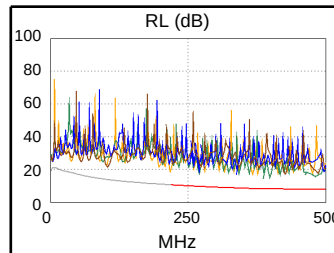
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	36-45
ACR-F (dB)	12.0	12.0	12.2	12.1
Freq. (MHz)	463.0	469.0	478.0	472.0
Limit (dB)	10.9	10.8	10.6	10.7
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.5	12.3	14.2	13.9
Freq. (MHz)	1.4	1.5	479.0	479.0
Limit (dB)	58.4	57.7	7.6	7.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-36	36-45	36-45
ACR-N (dB)	16.6	16.5	40.7	41.3
Freq. (MHz)	10.0	14.8	479.0	489.0
Limit (dB)	52.3	48.5	-15.4	-16.2
Worst Pair	78	78	36	36
PS ACR-N (dB)	17.1	17.1	42.8	41.2
Freq. (MHz)	10.0	10.6	490.0	479.0
Limit (dB)	50.0	49.4	-19.2	-18.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	7.1	5.5	7.1	5.5
Freq. (MHz)	398.0	481.0	398.0	481.0
Limit (dB)	8.0	8.0	8.0	8.0



Compliant Network Standards:

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



Cable ID: 006

Date / Time: 06/01/2016 10:05:28 AM

Headroom 3.6 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

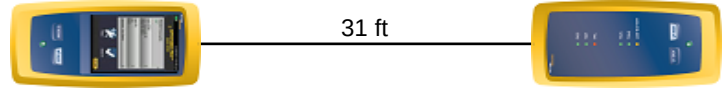
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	31
Prop. Delay (ns), Limit 498	[Pair 45]	50
Delay Skew (ns), Limit 44	[Pair 45]	3
Resistance (ohms)	[Pair 12]	1.8
Insertion Loss Margin (dB)	[Pair 36]	38.5
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

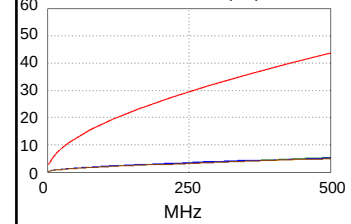


Wire Map (T568A)

PASS

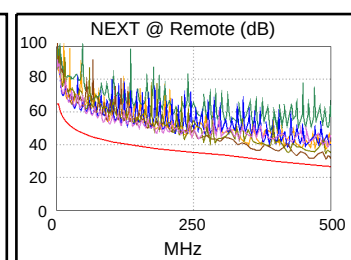
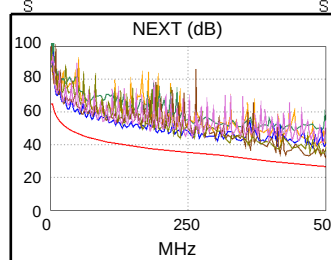


Insertion Loss (dB)

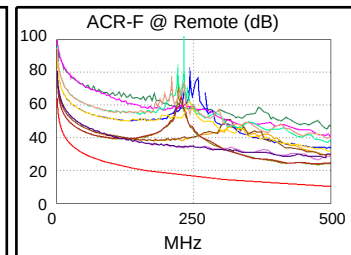
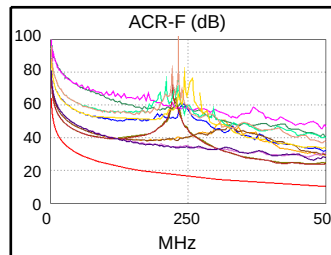


Worst Case Margin Worst Case Value

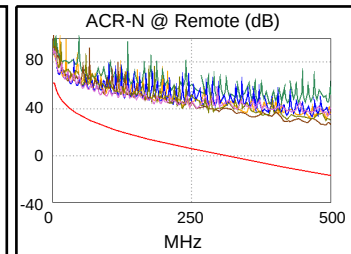
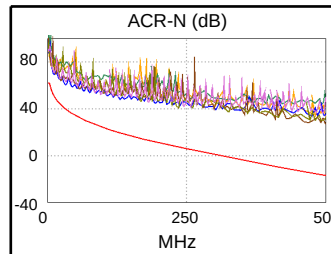
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.8	3.6	5.1	3.6
Freq. (MHz)	480.0	471.0	500.0	471.0
Limit (dB)	27.2	27.5	26.7	27.5
Worst Pair	36	36	36	36
PS NEXT (dB)	5.2	4.1	5.6	5.0
Freq. (MHz)	417.0	417.0	481.0	491.0
Limit (dB)	26.5	26.5	24.3	24.0



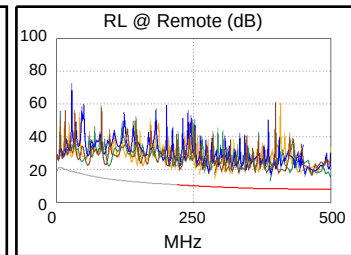
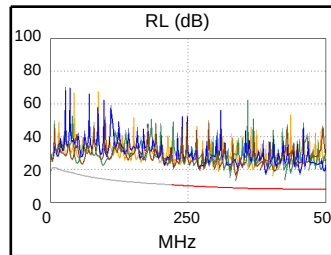
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	12.1	12.1	12.6	12.5
Freq. (MHz)	3.3	3.3	480.0	471.0
Limit (dB)	54.0	54.0	10.6	10.7
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.2	12.1	13.3	14.4
Freq. (MHz)	1.5	1.5	480.0	489.0
Limit (dB)	57.7	57.7	7.6	7.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	18.0	17.9	43.8	40.7
Freq. (MHz)	10.4	10.4	500.0	471.0
Limit (dB)	52.0	52.0	-17.1	-14.7
Worst Pair	78	78	36	36
PS ACR-N (dB)	17.6	17.2	43.2	43.0
Freq. (MHz)	10.1	10.3	481.0	491.0
Limit (dB)	49.8	49.7	-18.4	-19.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	36
RL (dB)	7.5	7.0	7.5	7.0
Freq. (MHz)	338.0	500.0	338.0	500.0
Limit (dB)	8.7	8.0	8.7	8.0



Compliant Network Standards:

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



Cable ID: 007

Date / Time: 06/01/2016 10:05:54 AM

Headroom 4.3 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	37
Prop. Delay (ns), Limit 498	[Pair 45]	58
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 12]	2.0
Insertion Loss Margin (dB)	[Pair 36]	37.7
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8



37 ft

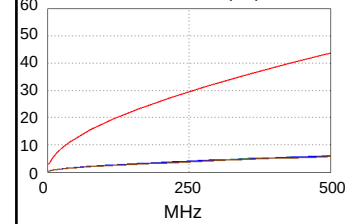


Wire Map (T568A)

PASS

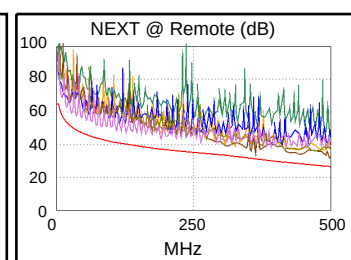
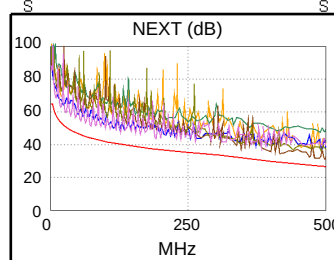


Insertion Loss (dB)

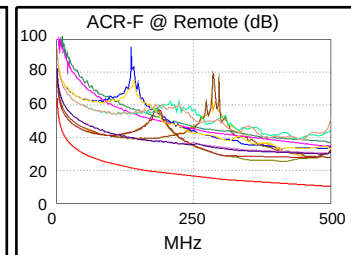
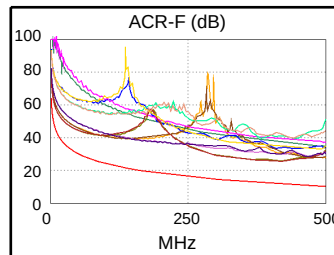


Worst Case Margin Worst Case Value

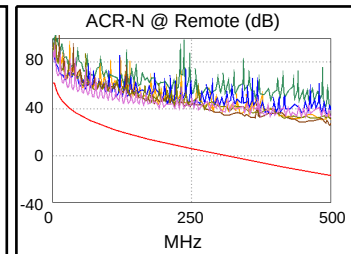
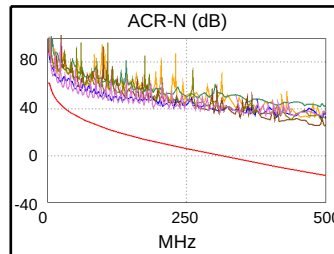
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.3	4.5	4.5	5.2
Freq. (MHz)	489.0	471.0	498.0	498.0
Limit (dB)	27.0	27.5	26.7	26.7
Worst Pair	36	36	36	36
PS NEXT (dB)	5.7	5.0	5.8	5.6
Freq. (MHz)	471.0	426.0	490.0	481.0
Limit (dB)	24.7	26.2	24.1	24.3



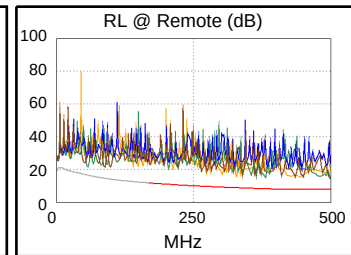
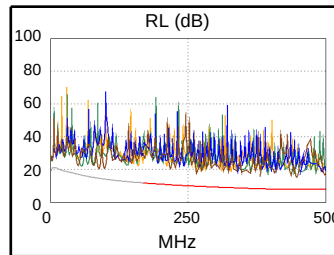
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	12.5	12.5	13.2	13.4
Freq. (MHz)	3.3	3.5	409.0	410.0
Limit (dB)	54.0	53.3	12.0	11.9
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.6	12.4	15.3	15.2
Freq. (MHz)	2.0	1.3	475.0	474.0
Limit (dB)	55.2	59.3	7.7	7.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	15.1	15.2	42.2	42.9
Freq. (MHz)	9.1	9.0	498.0	498.0
Limit (dB)	53.2	53.3	-16.9	-16.9
Worst Pair	78	78	36	36
PS ACR-N (dB)	16.3	16.4	43.2	42.4
Freq. (MHz)	9.3	8.6	490.0	481.0
Limit (dB)	50.7	51.4	-19.2	-18.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	36
RL (dB)	7.1	5.8	7.2	5.8
Freq. (MHz)	266.0	500.0	447.0	500.0
Limit (dB)	9.8	8.0	8.0	8.0



Compliant Network Standards:

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



Cable ID: 008

Date / Time: 06/01/2016 10:06:25 AM

Headroom 0.8 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	37
Prop. Delay (ns), Limit 498	[Pair 45]	58
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 12]	2.0
Insertion Loss Margin (dB)	[Pair 36]	37.2
Frequency (MHz)	[Pair 36]	492.0
Limit (dB)	[Pair 36]	43.3



37 ft

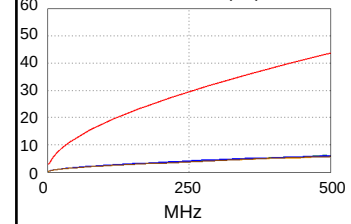


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	3.2	0.8*	4.2	2.0
Freq. (MHz)	409.0	354.0	498.0	480.0
Limit (dB)	29.5	31.6	26.7	27.2
Worst Pair	36	45	36	36
PS NEXT (dB)	3.7	2.3	3.8	3.3
Freq. (MHz)	471.0	354.0	472.0	489.0
Limit (dB)	24.7	28.9	24.6	24.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	12.1	12.0	12.1	12.0
Freq. (MHz)	3.5	409.0	409.0	409.0
Limit (dB)	53.3	12.0	12.0	12.0
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.8	12.7	14.7	16.3
Freq. (MHz)	1.3	1.0	418.0	472.0
Limit (dB)	59.3	61.2	8.8	7.7

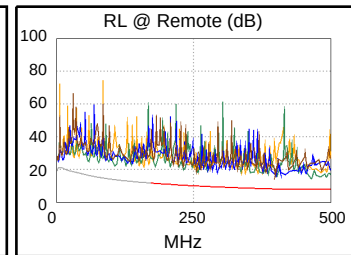
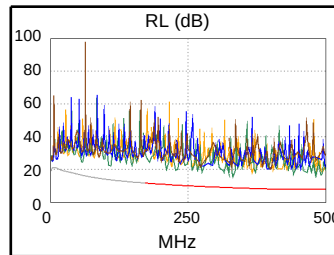
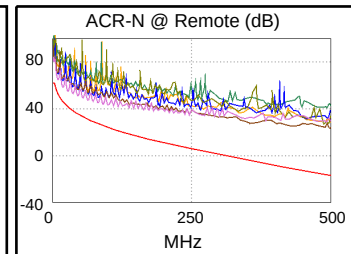
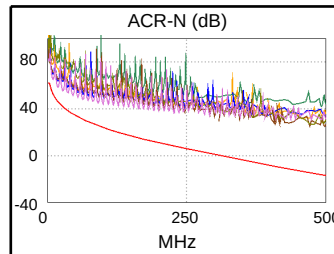
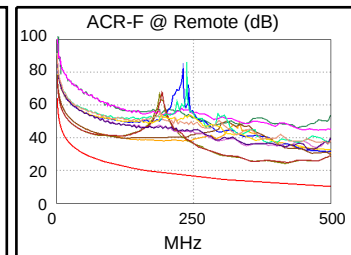
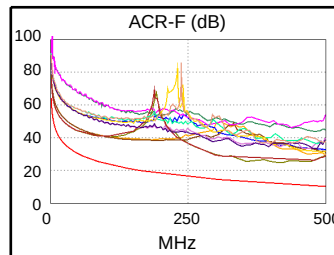
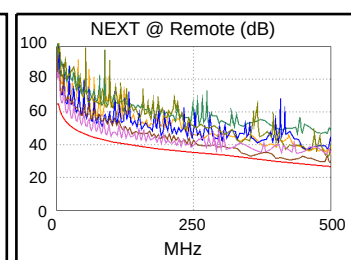
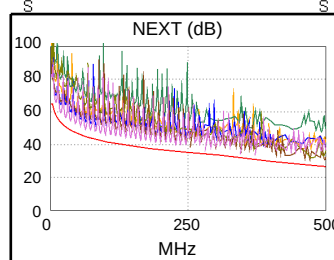
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	12.0	11.8	41.9	38.8
Freq. (MHz)	8.8	8.8	498.0	480.0
Limit (dB)	53.6	53.6	-16.9	-15.5
Worst Pair	78	78	36	36
PS ACR-N (dB)	13.0	12.8	40.3	40.5
Freq. (MHz)	8.9	9.0	472.0	489.0
Limit (dB)	51.1	51.0	-17.7	-19.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.1	6.3	6.1	6.3
Freq. (MHz)	332.0	464.0	332.0	464.0
Limit (dB)	8.8	8.0	8.8	8.0

Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T 10GBASE-T
ATM-51 ATM-155
TR-4 TR-16 Active

100BASE-T4
ATM-25
100VG-AnyLan
TR-16 Passive



* Measurement is within the accuracy limits of the instrument.



Cable ID: 009

Date / Time: 06/01/2016 10:06:58 AM

Headroom 3.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

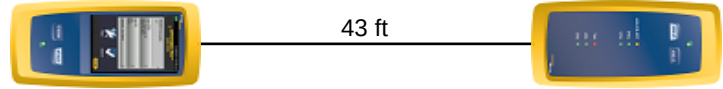
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	43
Prop. Delay (ns), Limit 498	[Pair 45]	68
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 45]	2.3
Insertion Loss Margin (dB)	[Pair 36]	36.7
Frequency (MHz)	[Pair 36]	498.0
Limit (dB)	[Pair 36]	43.6

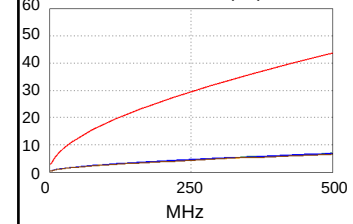


Wire Map (T568A)

PASS

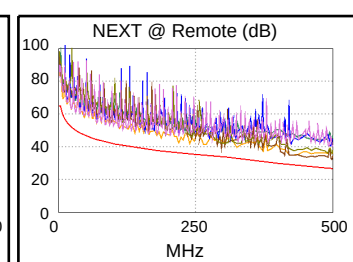
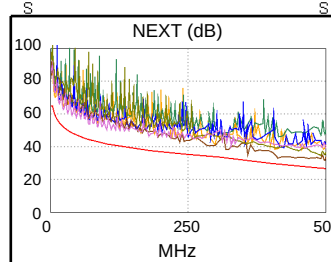


Insertion Loss (dB)

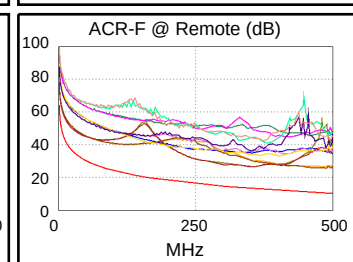
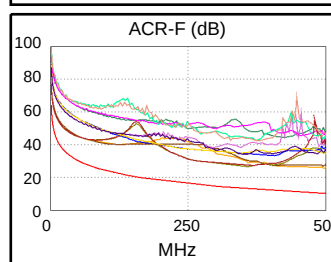


Worst Case Margin Worst Case Value

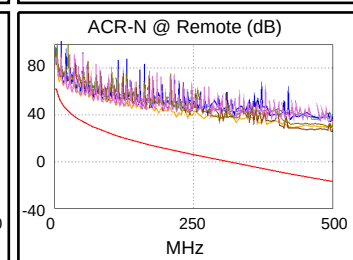
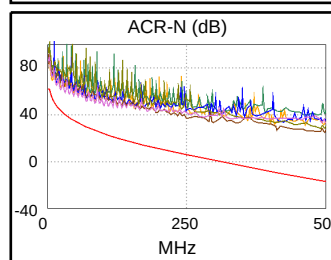
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	36-45
NEXT (dB)	3.2	5.0	5.0	5.6
Freq. (MHz)	413.0	273.0	498.0	498.0
Limit (dB)	29.4	34.7	26.7	26.7
Worst Pair	36	36	36	36
PS NEXT (dB)	4.4	4.6	5.8	5.8
Freq. (MHz)	297.0	297.0	498.0	498.0
Limit (dB)	31.5	31.5	23.8	23.8



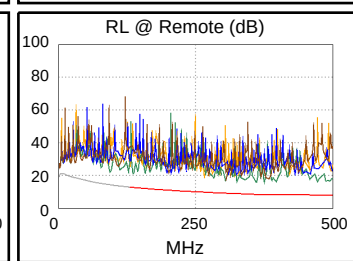
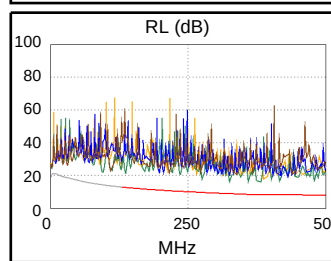
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-12
ACR-F (dB)	12.5	12.6	14.8	15.3
Freq. (MHz)	3.4	3.6	488.0	489.0
Limit (dB)	53.6	53.0	10.4	10.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.5	12.4	13.8	14.8
Freq. (MHz)	1.4	1.0	358.0	406.0
Limit (dB)	58.4	61.2	10.1	9.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	14.7	14.2	41.9	42.5
Freq. (MHz)	7.6	7.9	498.0	498.0
Limit (dB)	54.9	54.6	-16.9	-16.9
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.6	15.0	42.5	42.5
Freq. (MHz)	7.8	7.9	498.0	498.0
Limit (dB)	52.4	52.2	-19.8	-19.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.8	6.4	6.9	7.3
Freq. (MHz)	277.0	326.0	361.0	479.0
Limit (dB)	9.6	8.9	8.4	8.0



Compliant Network Standards:

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



Cable ID: 010

Date / Time: 06/01/2016 10:07:21 AM

Headroom 3.8 dB (NEXT 12-78)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	43
Prop. Delay (ns), Limit 498	[Pair 45]	68
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 45]	2.3
Insertion Loss Margin (dB)	[Pair 36]	36.8
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

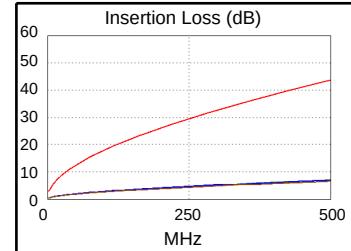


43 ft



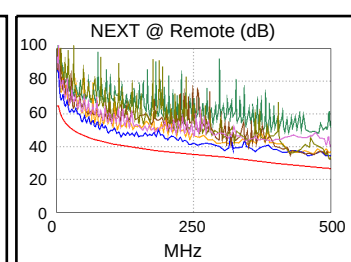
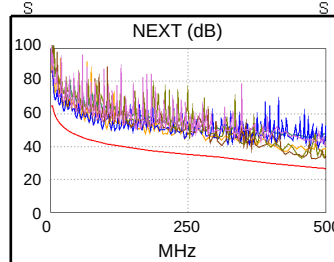
Wire Map (T568A)

PASS

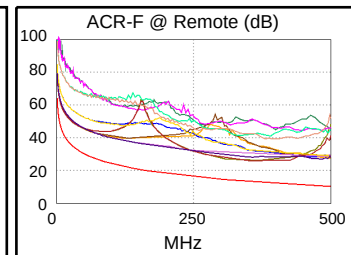
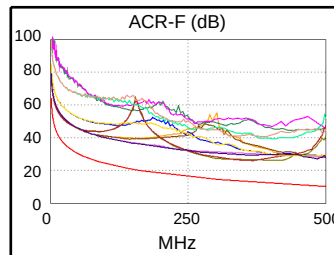


Worst Case Margin Worst Case Value

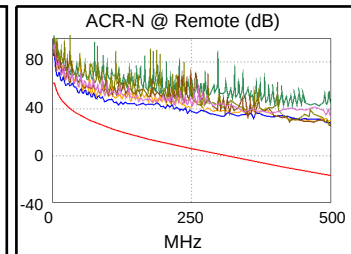
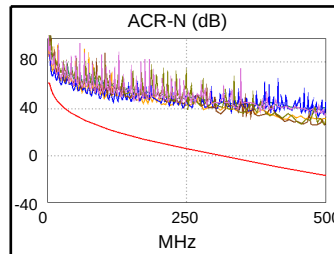
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-78	36-45	36-45
NEXT (dB)	5.0	3.8	5.4	5.7
Freq. (MHz)	456.0	306.0	482.0	498.0
Limit (dB)	28.0	33.7	27.2	26.7
Worst Pair	36	36	36	36
PS NEXT (dB)	5.0	4.8	5.9	4.8
Freq. (MHz)	458.0	498.0	497.0	498.0
Limit (dB)	25.1	23.8	23.8	23.8



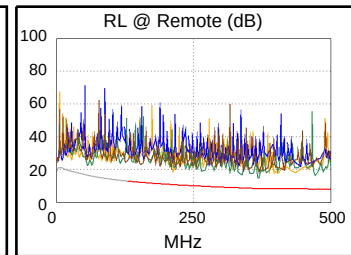
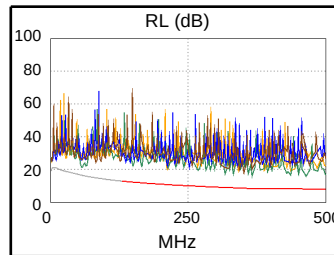
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	12.3	12.3	12.4	12.4
Freq. (MHz)	303.0	351.0	358.0	358.0
Limit (dB)	14.6	13.3	13.1	13.1
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.1	12.2	14.3	14.5
Freq. (MHz)	1.6	1.6	407.0	425.0
Limit (dB)	57.0	57.0	9.0	8.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	13.8	13.3	41.4	42.5
Freq. (MHz)	7.9	7.8	482.0	498.0
Limit (dB)	54.6	54.7	-15.6	-16.9
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.8	14.4	42.4	41.4
Freq. (MHz)	7.5	7.5	497.0	498.0
Limit (dB)	52.7	52.7	-19.7	-19.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.4	6.2	6.4	6.2
Freq. (MHz)	368.0	368.0	368.0	368.0
Limit (dB)	8.3	8.3	8.3	8.3



Compliant Network Standards:

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



Cable ID: 011

Date / Time: 06/01/2016 10:07:44 AM

Headroom 4.1 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	49
Prop. Delay (ns), Limit 498	[Pair 45]	76
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 12]	2.6
Insertion Loss Margin (dB)	[Pair 36]	35.7
Frequency (MHz)	[Pair 36]	499.0
Limit (dB)	[Pair 36]	43.7



49 ft



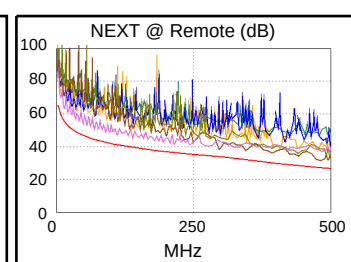
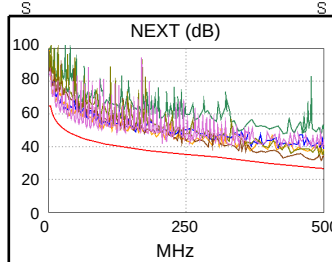
Wire Map (T568A)

PASS

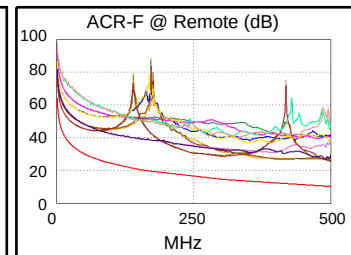
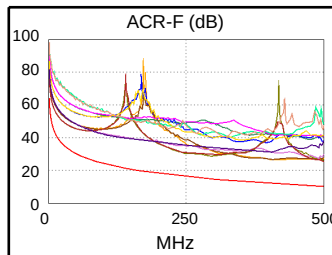


Worst Case Margin Worst Case Value

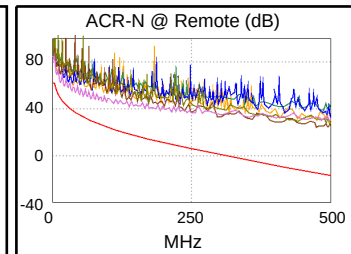
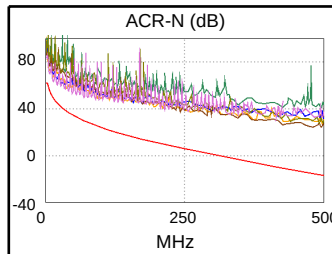
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.1	4.2	4.9	4.3
Freq. (MHz)	426.0	474.0	495.0	481.0
Limit (dB)	29.0	27.4	26.8	27.2
Worst Pair	36	45	36	36
PS NEXT (dB)	4.3	4.9	6.1	5.0
Freq. (MHz)	427.0	297.0	497.0	475.0
Limit (dB)	26.1	31.5	23.8	24.5



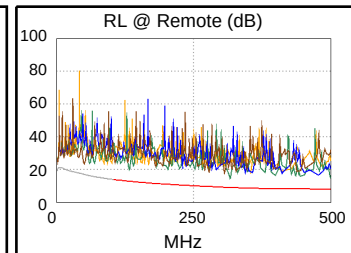
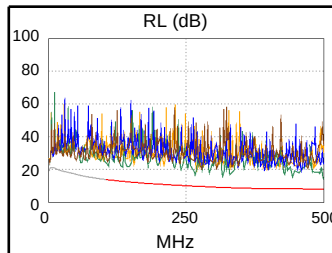
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
ACR-F (dB)	13.0	12.9	15.4	15.2
Freq. (MHz)	5.1	3.8	499.0	500.0
Limit (dB)	50.0	52.7	10.2	10.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	13.0	13.0	15.8	14.8
Freq. (MHz)	1.5	1.3	498.0	498.0
Limit (dB)	57.7	59.3	7.2	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	13.9	13.2	40.9	39.6
Freq. (MHz)	13.5	13.5	495.0	481.0
Limit (dB)	49.4	49.4	-16.7	-15.6
Worst Pair	78	45	36	36
PS ACR-N (dB)	15.3	14.7	41.7	40.0
Freq. (MHz)	13.5	13.4	497.0	475.0
Limit (dB)	47.0	47.1	-19.7	-17.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.0	5.5	6.0	5.5
Freq. (MHz)	500.0	316.0	500.0	316.0
Limit (dB)	8.0	9.0	8.0	9.0



Compliant Network Standards:

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



Cable ID: 012

Date / Time: 06/01/2016 10:08:05 AM

Headroom 3.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

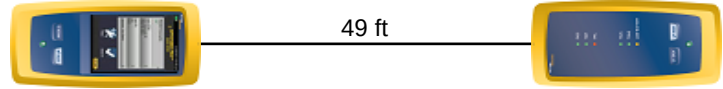
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	49
Prop. Delay (ns), Limit 498	[Pair 45]	77
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 12]	2.5
Insertion Loss Margin (dB)	[Pair 36]	35.7
Frequency (MHz)	[Pair 36]	498.0
Limit (dB)	[Pair 36]	43.6

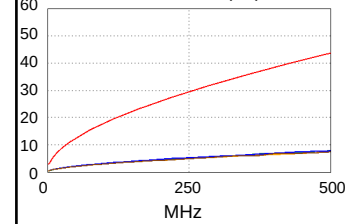


Wire Map (T568A)

PASS

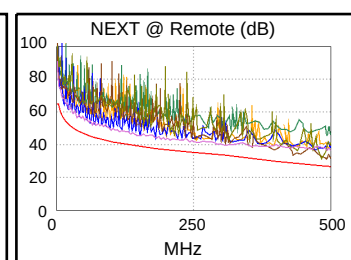
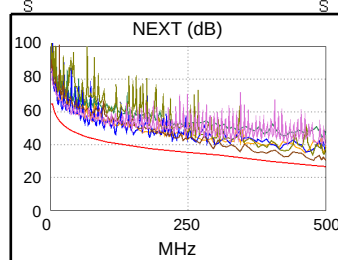


Insertion Loss (dB)

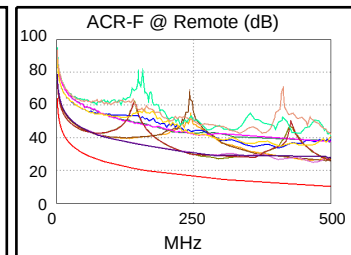
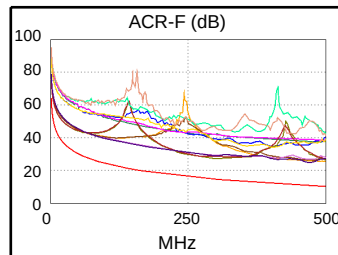


Worst Case Margin Worst Case Value

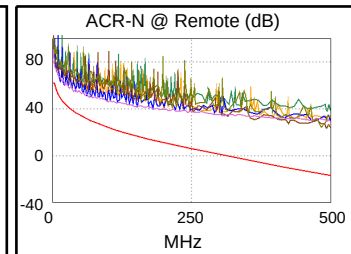
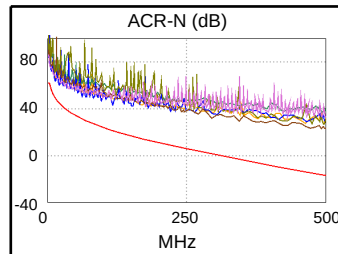
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	3.2	4.3	3.2	4.3
Freq. (MHz)	478.0	492.0	478.0	492.0
Limit (dB)	27.3	26.9	27.3	26.9
Worst Pair	36	36	36	36
PS NEXT (dB)	4.1	4.9	5.1	4.9
Freq. (MHz)	397.0	483.0	497.0	483.0
Limit (dB)	27.2	24.3	23.8	24.3



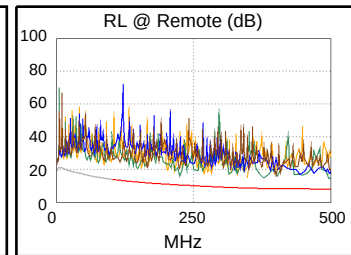
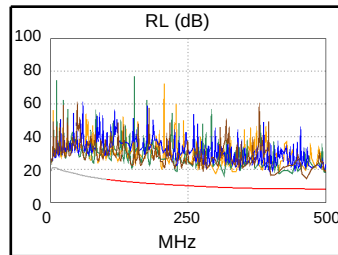
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-36	36-78
ACR-F (dB)	11.8	11.8	14.0	14.2
Freq. (MHz)	3.3	3.5	474.0	469.0
Limit (dB)	54.0	53.3	10.7	10.8
Worst Pair	36	36	36	36
PS ACR-F (dB)	11.2	11.2	14.0	14.9
Freq. (MHz)	1.3	1.6	482.0	500.0
Limit (dB)	59.3	57.0	7.5	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	14.4	14.5	38.2	40.0
Freq. (MHz)	13.0	14.0	478.0	492.0
Limit (dB)	49.7	49.0	-15.3	-16.5
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.5	14.7	40.7	40.1
Freq. (MHz)	13.4	13.3	497.0	483.0
Limit (dB)	47.1	47.2	-19.7	-18.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	36
RL (dB)	6.4	5.0	6.4	5.0
Freq. (MHz)	466.0	390.0	466.0	390.0
Limit (dB)	8.0	8.1	8.0	8.1



Compliant Network Standards:

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



Cable ID: 013

Date / Time: 06/01/2016 10:08:26 AM

Headroom 3.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

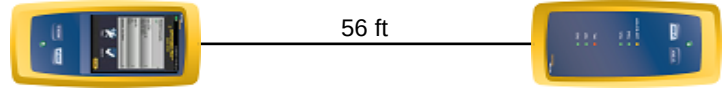
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	56
Prop. Delay (ns), Limit 498	[Pair 45]	88
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 12]	2.9
Insertion Loss Margin (dB)	[Pair 36]	35.0
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

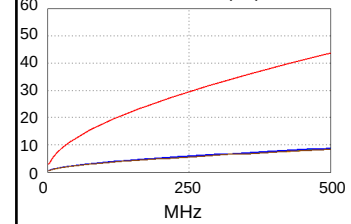


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
NEXT (dB)	3.6	4.5	4.0	4.5
Freq. (MHz)	268.0	482.0	500.0	482.0
Limit (dB)	34.8	27.2	26.7	27.2
Worst Pair	36	36	36	36
PS NEXT (dB)	3.7	5.7	4.8	5.7
Freq. (MHz)	310.0	482.0	500.0	482.0
Limit (dB)	30.9	24.3	23.8	24.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	11.9	11.9	12.9	13.3
Freq. (MHz)	3.3	3.5	472.0	478.0
Limit (dB)	54.0	53.3	10.7	10.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.9	12.8	15.5	15.4
Freq. (MHz)	1.6	1.1	477.0	477.0
Limit (dB)	57.0	60.2	7.6	7.6

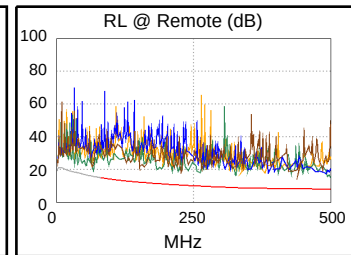
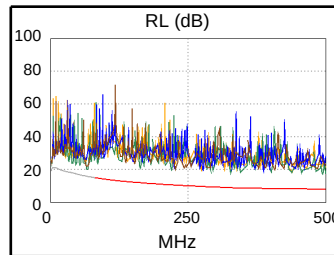
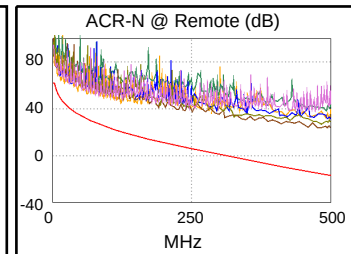
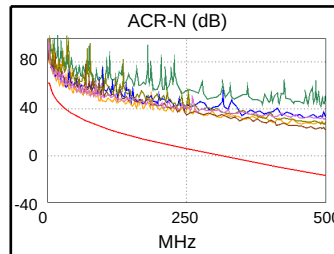
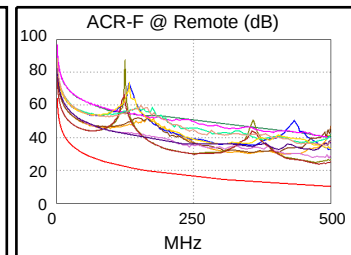
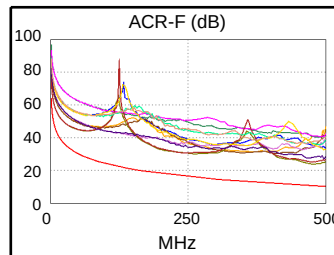
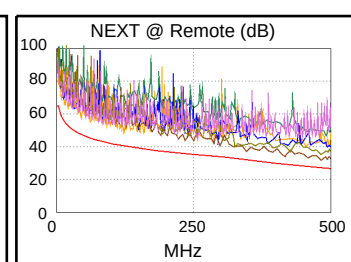
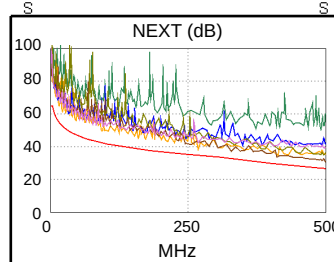
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	15.5	14.9	39.1	38.7
Freq. (MHz)	21.5	8.6	500.0	482.0
Limit (dB)	44.5	53.7	-17.1	-15.6
Worst Pair	36	36	36	36
PS ACR-N (dB)	16.9	16.8	39.8	40.1
Freq. (MHz)	15.8	8.6	500.0	482.0
Limit (dB)	45.4	51.4	-20.0	-18.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	8.6	7.3	9.2	7.3
Freq. (MHz)	228.0	499.0	500.0	499.0
Limit (dB)	10.4	8.0	8.0	8.0

Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T 10GBASE-T
ATM-51 ATM-155
TR-4 TR-16 Active

100BASE-T4
ATM-25
100VG-AnyLan
TR-16 Passive





Cable ID: 014

Date / Time: 06/01/2016 10:08:44 AM

Headroom 0.9 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	56
Prop. Delay (ns), Limit 498	[Pair 45]	88
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 45]	2.9
Insertion Loss Margin (dB)	[Pair 45]	34.9
Frequency (MHz)	[Pair 45]	500.0
Limit (dB)	[Pair 45]	43.8



56 ft

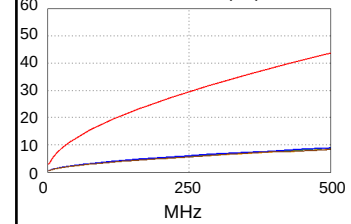


Wire Map (T568A)

PASS

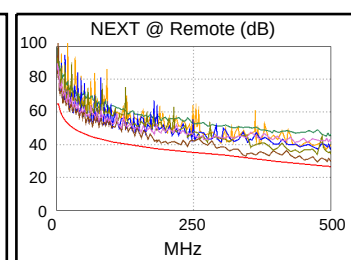
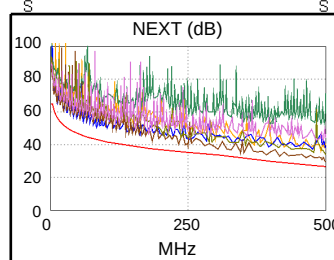


Insertion Loss (dB)

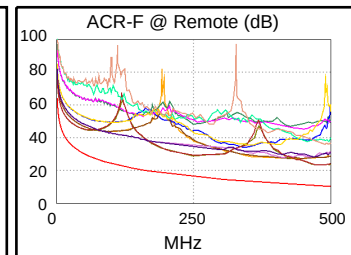
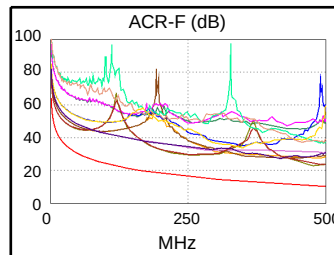


Worst Case Margin Worst Case Value

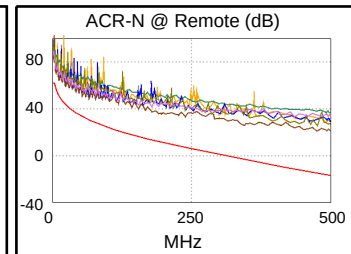
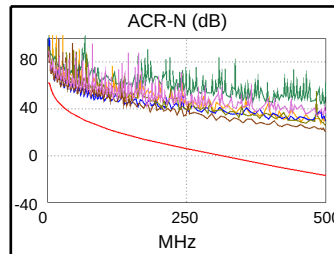
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.4	0.9*	3.0	2.1
Freq. (MHz)	298.0	345.0	499.0	475.0
Limit (dB)	34.1	32.0	26.7	27.4
Worst Pair	36	36	36	36
PS NEXT (dB)	4.1	2.8	4.3	3.4
Freq. (MHz)	298.0	345.0	499.0	475.0
Limit (dB)	31.4	29.3	23.8	24.5



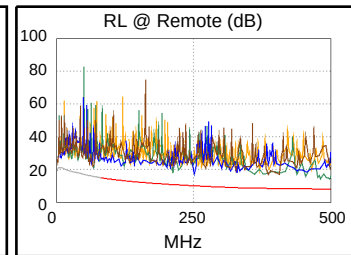
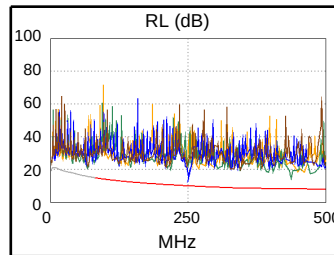
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	12.1	12.2	12.2	12.3
Freq. (MHz)	475.0	475.0	476.0	476.0
Limit (dB)	10.7	10.7	10.6	10.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.2	12.4	13.4	13.2
Freq. (MHz)	1.4	1.6	471.0	475.0
Limit (dB)	58.4	57.0	7.7	7.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	13.2	13.0	37.8	35.9
Freq. (MHz)	5.9	5.6	499.0	475.0
Limit (dB)	57.2	57.6	-17.0	-15.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	13.4	13.5	39.2	37.2
Freq. (MHz)	6.0	5.8	499.0	475.0
Limit (dB)	54.7	55.1	-19.9	-17.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	36	36
RL (dB)	5.5	6.2	6.4	6.2
Freq. (MHz)	251.0	481.0	437.0	481.0
Limit (dB)	10.0	8.0	8.0	8.0



Compliant Network Standards:

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

* Measurement is within the accuracy limits of the instrument.



Cable ID: 015

Date / Time: 06/01/2016 10:09:14 AM

Headroom 3.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	48
Prop. Delay (ns), Limit 498	[Pair 45]	74
Delay Skew (ns), Limit 44	[Pair 45]	3
Resistance (ohms)	[Pair 45]	2.5
Insertion Loss Margin (dB)	[Pair 36]	36.0
Frequency (MHz)	[Pair 36]	499.0
Limit (dB)	[Pair 36]	43.7



48 ft

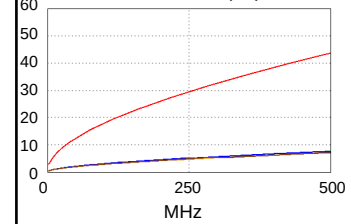


Wire Map (T568A)

PASS

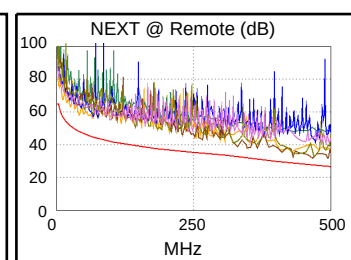
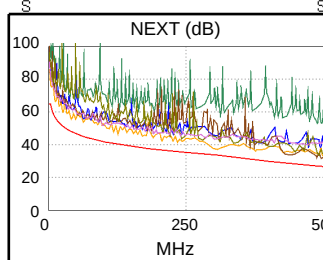


Insertion Loss (dB)

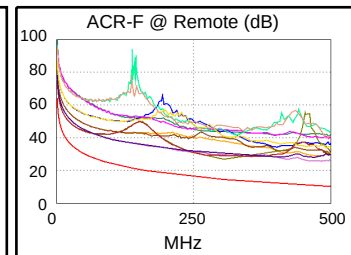
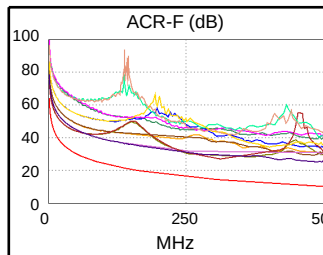


Worst Case Margin Worst Case Value

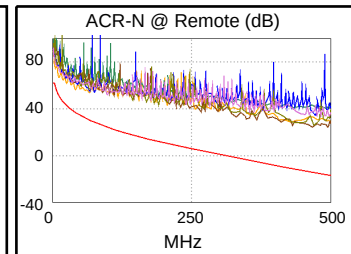
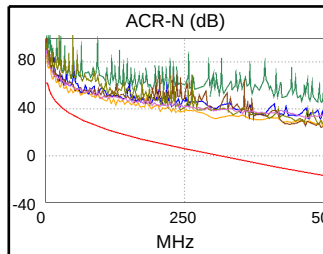
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
NEXT (dB)	3.4	3.8	4.5	4.4
Freq. (MHz)	306.0	431.0	500.0	488.0
Limit (dB)	33.7	28.8	26.7	27.0
Worst Pair	36	36	36	36
PS NEXT (dB)	4.4	3.7	4.6	4.5
Freq. (MHz)	446.0	431.0	498.0	467.0
Limit (dB)	25.5	26.0	23.8	24.8



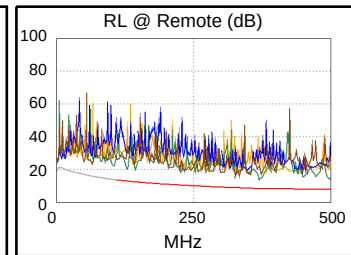
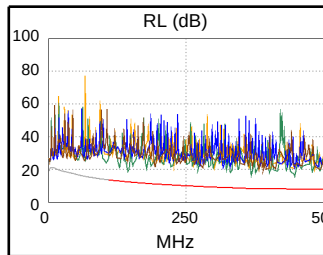
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	78-36	36-78
ACR-F (dB)	11.7	11.7	14.3	14.8
Freq. (MHz)	3.5	3.5	475.0	475.0
Limit (dB)	53.3	53.3	10.7	10.7
Worst Pair	36	36	36	36
PS ACR-F (dB)	11.9	11.9	16.2	14.0
Freq. (MHz)	1.3	1.3	497.0	355.0
Limit (dB)	59.3	59.3	7.3	10.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	15.0	14.4	40.8	40.0
Freq. (MHz)	11.9	3.5	500.0	488.0
Limit (dB)	50.6	61.7	-17.1	-16.1
Worst Pair	36	12	36	36
PS ACR-N (dB)	16.3	16.9	40.5	39.4
Freq. (MHz)	4.0	3.5	498.0	467.0
Limit (dB)	58.3	58.7	-19.8	-17.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.3	5.3	7.1	5.3
Freq. (MHz)	144.5	370.0	369.0	370.0
Limit (dB)	12.4	8.3	8.3	8.3



Compliant Network Standards:

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



Cable ID: 016

Date / Time: 06/01/2016 10:09:32 AM

Headroom 3.7 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

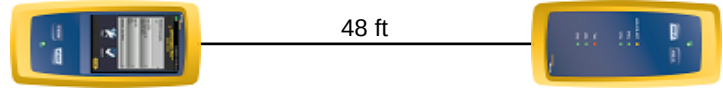
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	48
Prop. Delay (ns), Limit 498	[Pair 45]	74
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 45]	2.5
Insertion Loss Margin (dB)	[Pair 36]	36.0
Frequency (MHz)	[Pair 36]	497.0
Limit (dB)	[Pair 36]	43.6



Wire Map (T568A)

PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-45
NEXT (dB)	3.7	7.0	3.7	7.5
Freq. (MHz)	494.0	429.0	494.0	494.0
Limit (dB)	26.8	28.9	26.8	26.8
Worst Pair	36	36	36	36
PS NEXT (dB)	5.4	6.6	5.4	7.8
Freq. (MHz)	494.0	452.0	494.0	496.0
Limit (dB)	23.9	25.3	23.9	23.9

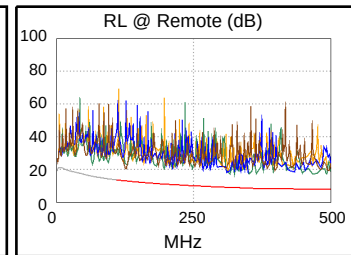
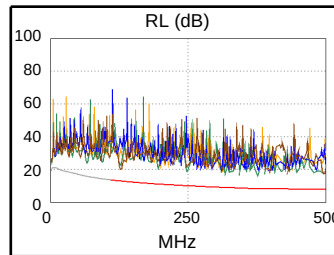
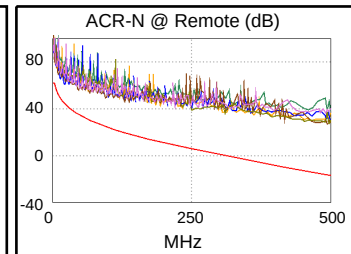
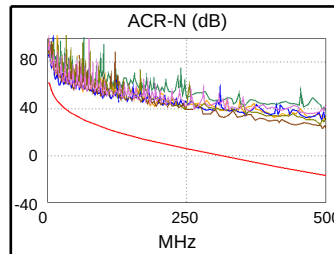
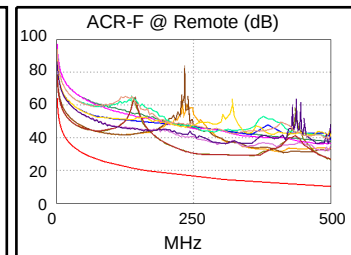
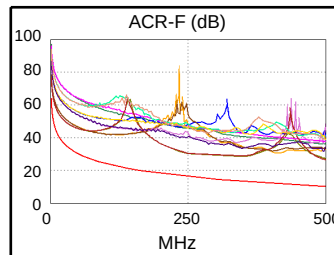
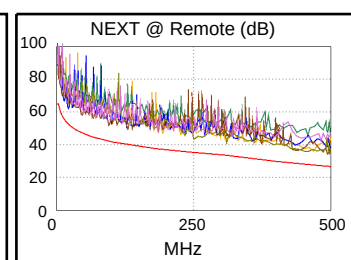
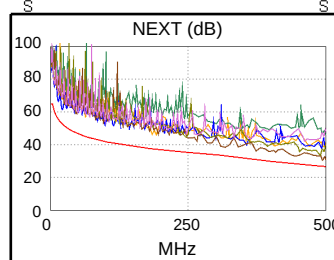
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	13.1	13.1	16.2	16.4
Freq. (MHz)	296.0	4.4	500.0	500.0
Limit (dB)	14.8	51.4	10.2	10.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	13.3	13.1	17.4	18.7
Freq. (MHz)	1.0	1.0	496.0	500.0
Limit (dB)	61.2	61.2	7.3	7.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	15.5	16.5	39.8	43.6
Freq. (MHz)	21.3	21.5	494.0	494.0
Limit (dB)	44.6	44.5	-16.6	-16.6
Worst Pair	12	78	36	36
PS ACR-N (dB)	16.9	17.1	41.3	43.9
Freq. (MHz)	20.9	13.9	494.0	496.0
Limit (dB)	42.4	46.7	-19.5	-19.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
RL (dB)	6.8	6.4	7.9	6.4
Freq. (MHz)	127.5	318.0	376.0	318.0
Limit (dB)	12.9	9.0	8.2	9.0

Compliant Network Standards:

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





Cable ID: 017

Date / Time: 06/01/2016 10:10:00 AM

Headroom 3.3 dB (NEXT 36-45)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

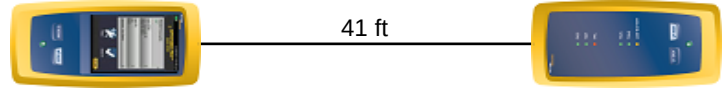
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	41
Prop. Delay (ns), Limit 498	[Pair 45]	65
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 45]	2.2
Insertion Loss Margin (dB)	[Pair 36]	37.2
Frequency (MHz)	[Pair 36]	498.0
Limit (dB)	[Pair 36]	43.6

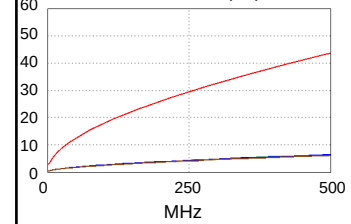


Wire Map (T568A)

PASS

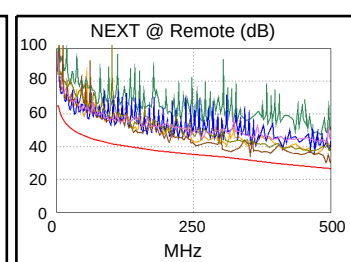
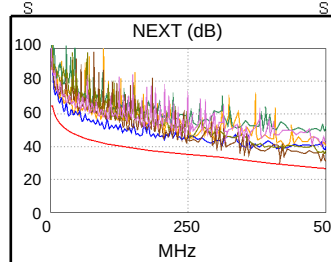


Insertion Loss (dB)

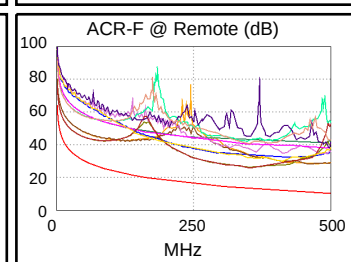
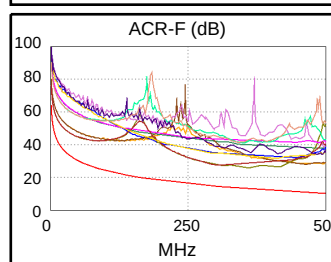


Worst Case Margin Worst Case Value

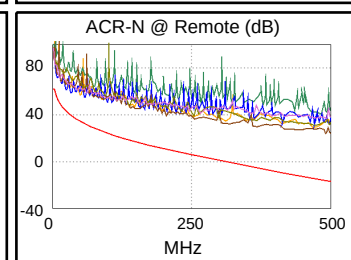
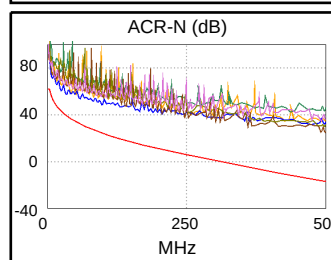
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	3.3	3.3	4.3	3.4
Freq. (MHz)	417.0	353.0	491.0	491.0
Limit (dB)	29.3	31.7	26.9	26.9
Worst Pair	36	36	36	36
PS NEXT (dB)	5.3	4.2	5.7	4.9
Freq. (MHz)	353.0	353.0	491.0	475.0
Limit (dB)	29.0	29.0	24.0	24.5



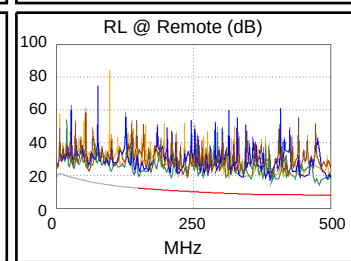
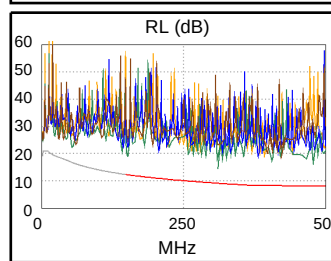
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	12.5	12.5	12.8	12.6
Freq. (MHz)	3.3	3.3	361.0	360.0
Limit (dB)	54.0	54.0	13.0	13.1
Worst Pair	36	36	36	36
PS ACR-F (dB)	13.6	13.5	14.8	16.1
Freq. (MHz)	1.3	1.3	366.0	419.0
Limit (dB)	59.3	59.3	9.9	8.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	16.8	17.2	41.3	40.4
Freq. (MHz)	7.8	7.5	491.0	491.0
Limit (dB)	54.7	55.0	-16.4	-16.4
Worst Pair	12	12	36	36
PS ACR-N (dB)	17.6	18.0	42.7	43.1
Freq. (MHz)	7.8	7.5	491.0	499.0
Limit (dB)	52.4	52.7	-19.3	-19.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	6.7	6.1	8.3	6.1
Freq. (MHz)	151.5	479.0	479.0	479.0
Limit (dB)	12.2	8.0	8.0	8.0



Compliant Network Standards:

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



Cable ID: 018

Date / Time: 06/01/2016 10:30:22 AM

Headroom 4.1 dB (NEXT 12-78)

Test Limit: TIA Cat 6A Perm. Link

Cable Type: Cat 6A U/UTP

NVP: 68.2%

Operator: EVANDRO

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

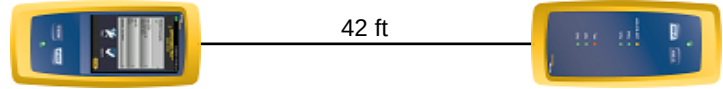
Main S/N: 2420012

Remote S/N: 2420016

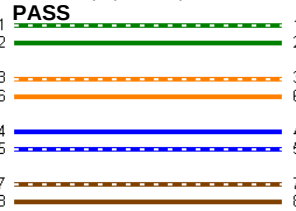
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	42
Prop. Delay (ns), Limit 498	[Pair 45]	65
Delay Skew (ns), Limit 44	[Pair 45]	3
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 45]	37.1
Frequency (MHz)	[Pair 45]	500.0
Limit (dB)	[Pair 45]	43.8

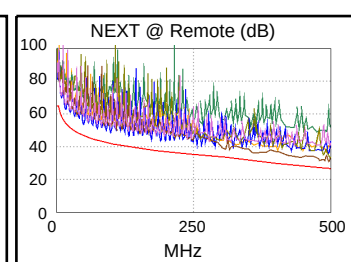
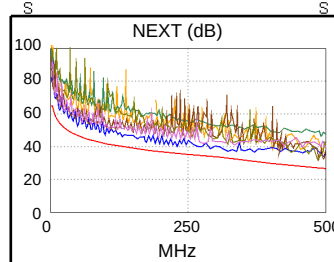


Wire Map (T568A)

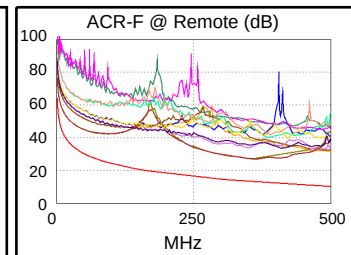
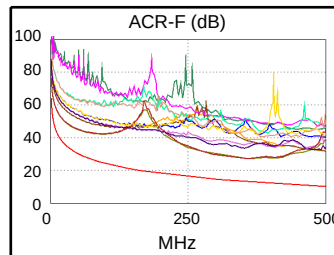


Worst Case Margin Worst Case Value

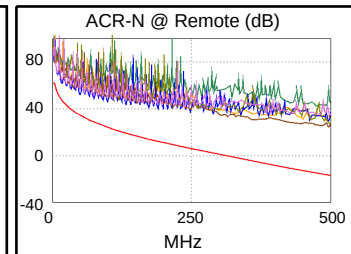
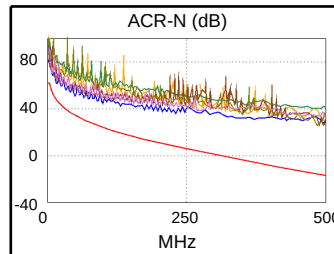
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	36-78	36-45
NEXT (dB)	4.1	4.1	4.8	4.2
Freq. (MHz)	230.5	488.0	484.0	496.0
Limit (dB)	35.9	27.0	27.1	26.8
Worst Pair	78	36	36	36
PS NEXT (dB)	5.1	5.1	5.9	5.3
Freq. (MHz)	321.0	337.0	487.0	497.0
Limit (dB)	30.4	29.7	24.2	23.8



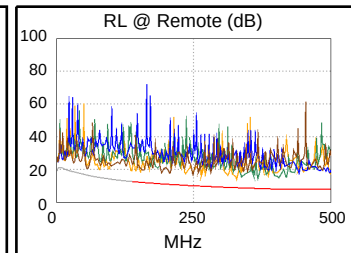
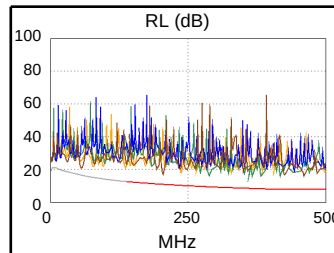
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	12.9	12.8	13.9	13.8
Freq. (MHz)	3.5	3.5	365.0	365.0
Limit (dB)	53.3	53.3	12.9	12.9
Worst Pair	36	36	36	36
PS ACR-F (dB)	14.5	14.5	15.9	16.0
Freq. (MHz)	1.3	1.4	353.0	366.0
Limit (dB)	59.3	58.4	10.2	9.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	36-45
ACR-N (dB)	13.9	14.4	41.6	41.2
Freq. (MHz)	15.6	16.3	484.0	496.0
Limit (dB)	47.9	47.5	-15.8	-16.8
Worst Pair	78	78	36	36
PS ACR-N (dB)	14.6	14.9	42.6	42.2
Freq. (MHz)	16.5	16.3	487.0	497.0
Limit (dB)	44.9	45.1	-18.9	-19.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	5.8	4.8	5.8	4.8
Freq. (MHz)	368.0	329.0	368.0	329.0
Limit (dB)	8.3	8.8	8.3	8.8



Compliant Network Standards:

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

Cable ID: 019

Date / Time: 06/10/2016 12:55:40 PM

Headroom -6.8 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

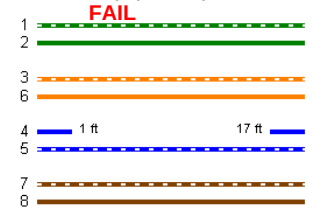
Length (ft), Limit 295	[Pair 45]	1
Prop. Delay (ns), Limit 498	[Pair 36]	25
Delay Skew (ns), Limit 44	[Pair 12]	24
Resistance (ohms)	[Pair 45]	Open
Insertion Loss Margin (dB)	[Pair 45]	-8.4 F
Frequency (MHz)	[Pair 45]	1.0
Limit (dB)	[Pair 45]	3.0



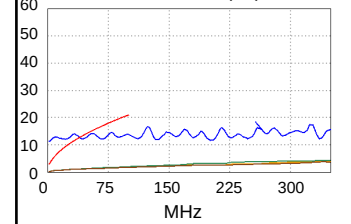
1 ft



Wire Map (T568A)

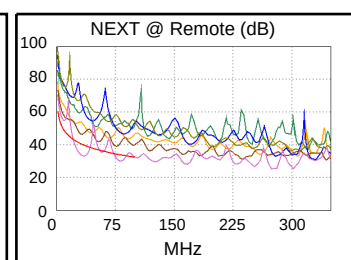
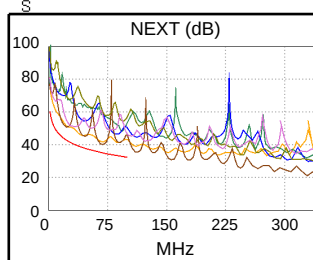


Insertion Loss (dB)

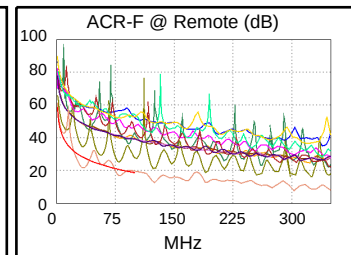
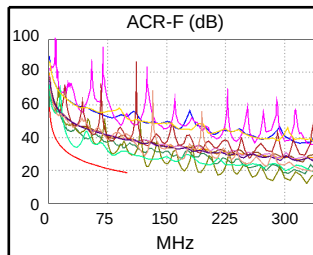


Worst Case Margin Worst Case Value

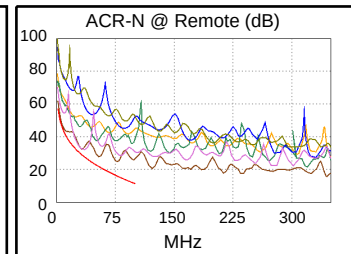
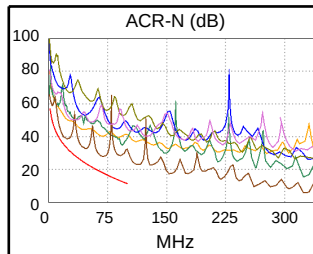
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	45-78
NEXT (dB)	5.0	-6.8 F	5.3	-3.6
Freq. (MHz)	67.0	34.0	69.0	82.5
Limit (dB)	35.2	40.0	34.9	33.7
Worst Pair	36	45	36	45
PS NEXT (dB)	5.8	-4.0 F	6.0	-1.1
Freq. (MHz)	67.0	34.0	69.0	81.0
Limit (dB)	32.2	37.0	31.9	30.8



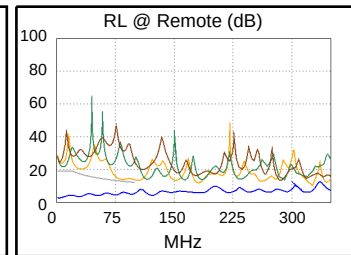
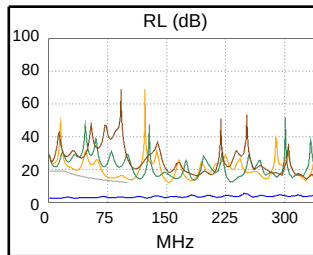
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	6.3	-6.8 F	9.1	-3.7
Freq. (MHz)	33.5	33.0	83.0	81.0
Limit (dB)	28.1	28.2	20.2	20.4
Worst Pair	45	45	78	45
PS ACR-F (dB)	6.2	-4.0 F	11.8	-1.4
Freq. (MHz)	1.0	33.0	83.0	80.5
Limit (dB)	55.6	25.2	17.2	17.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	4.7	1.6	10.2	9.0
Freq. (MHz)	18.5	7.6	69.0	78.0
Limit (dB)	35.7	45.0	17.8	15.8
Worst Pair	45	45	45	45
PS ACR-N (dB)	6.9	-6.6	17.5	3.0
Freq. (MHz)	22.8	31.5	91.5	79.5
Limit (dB)	30.3	26.2	10.0	12.4



FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-16.7 F	-16.5 F	-16.7	-16.5
Freq. (MHz)	10.0	4.1	10.0	4.1
Limit (dB)	19.0	19.0	19.0	19.0





Cable ID: 020

Date / Time: 06/10/2016 12:58:56 PM

Headroom 11.7 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

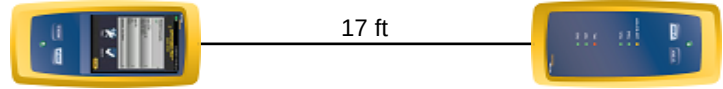
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.9
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

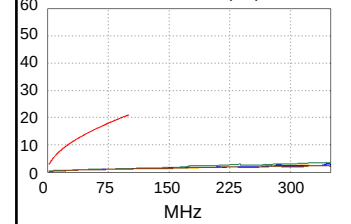


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

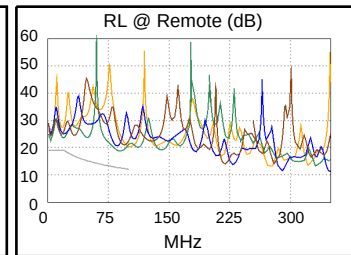
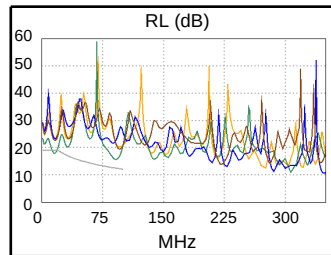
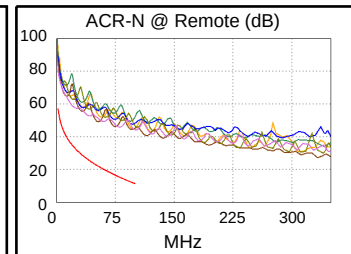
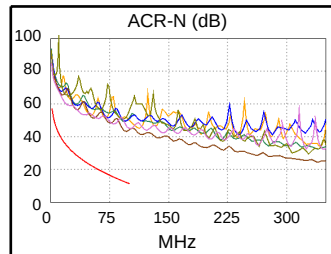
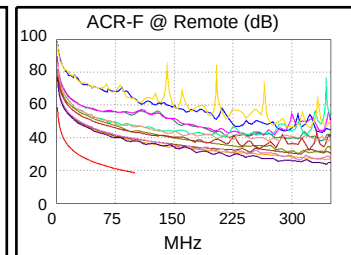
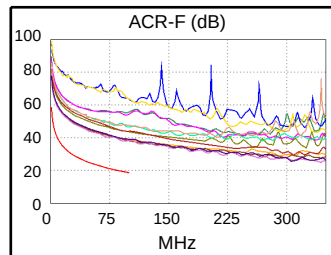
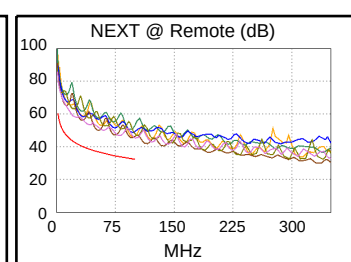
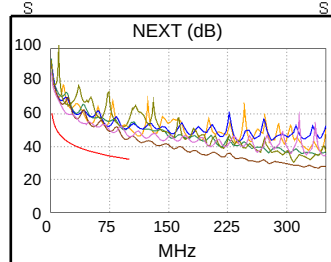
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-78
NEXT (dB)	11.7	12.7	11.8	13.0
Freq. (MHz)	95.3	74.0	96.5	99.8
Limit (dB)	32.7	34.5	32.6	32.3
Worst Pair	45	36	45	36
PS NEXT (dB)	12.5	12.5	12.5	12.6
Freq. (MHz)	97.5	99.0	97.5	99.8
Limit (dB)	29.5	29.4	29.5	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-78	78-36
ACR-F (dB)	18.5	18.3	18.8	18.8
Freq. (MHz)	3.5	3.5	94.3	96.0
Limit (dB)	47.7	47.7	19.1	19.0
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.5	17.9	19.8	18.8
Freq. (MHz)	1.1	1.6	100.0	100.0
Limit (dB)	54.6	51.4	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	45-78
ACR-N (dB)	23.4	22.8	31.3	32.8
Freq. (MHz)	2.4	2.4	96.5	99.8
Limit (dB)	55.3	55.3	12.0	11.4
Worst Pair	78	45	45	36
PS ACR-N (dB)	24.2	23.0	32.1	32.2
Freq. (MHz)	2.9	8.4	97.5	99.8
Limit (dB)	50.7	41.1	8.8	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-1.1	3.3	3.2	6.2
Freq. (MHz)	16.5	3.5	92.0	90.0
Limit (dB)	19.0	19.0	12.4	12.5

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 021

Date / Time: 06/10/2016 02:27:15 PM

Headroom 10.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

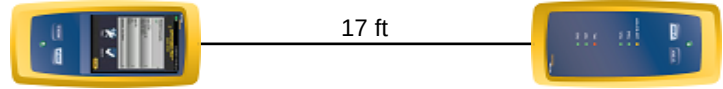
Main S/N: 2420012

Remote S/N: 2420016

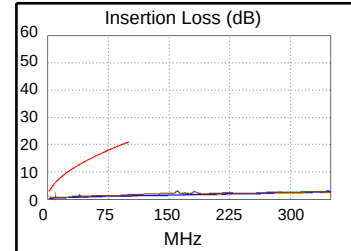
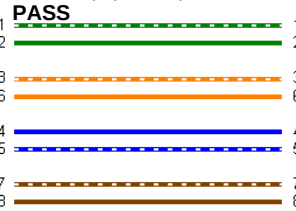
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	2.0
Insertion Loss Margin (dB)	[Pair 78]	19.4
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	21.0

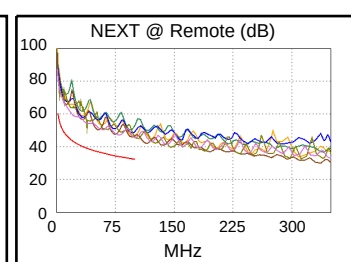
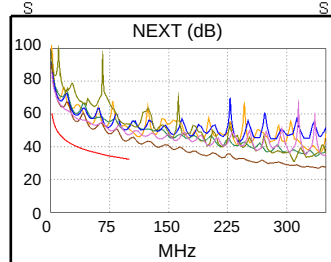


Wire Map (T568A)

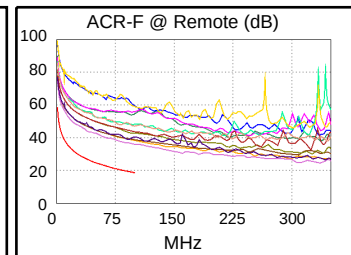
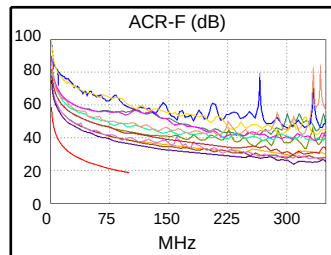


Worst Case Margin Worst Case Value

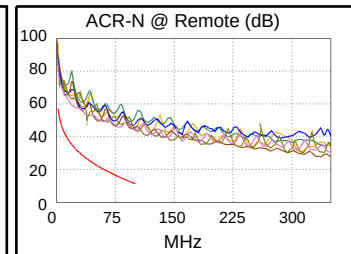
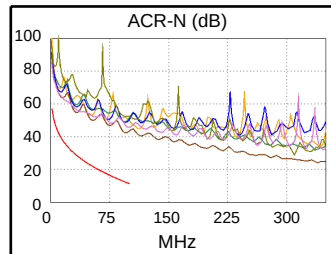
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	45-78
NEXT (dB)	10.8	12.4	10.9	13.2
Freq. (MHz)	95.3	38.8	96.5	100.0
Limit (dB)	32.7	39.0	32.6	32.3
Worst Pair	45	36	45	36
PS NEXT (dB)	11.9	12.1	12.0	12.1
Freq. (MHz)	96.5	100.0	96.8	100.0
Limit (dB)	29.6	29.3	29.5	29.3



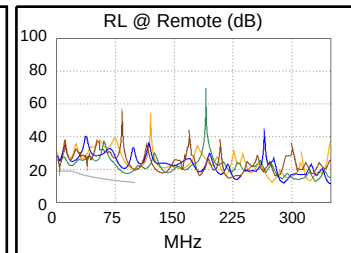
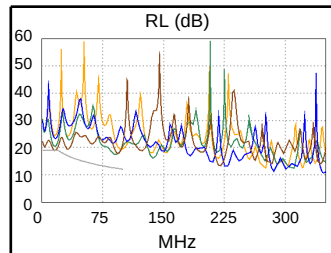
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	36-78
ACR-F (dB)	17.1	16.7	17.8	17.4
Freq. (MHz)	3.0	3.8	100.0	100.0
Limit (dB)	49.1	47.1	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.3	18.1	18.2	19.6
Freq. (MHz)	1.6	1.0	100.0	99.5
Limit (dB)	51.4	55.6	15.6	15.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	36-45	45-78
ACR-N (dB)	24.1	18.4	30.4	32.6
Freq. (MHz)	2.9	3.8	96.5	100.0
Limit (dB)	53.7	51.4	12.0	11.3
Worst Pair	45	78	45	36
PS ACR-N (dB)	24.0	20.0	31.5	31.9
Freq. (MHz)	9.6	3.8	96.8	100.0
Limit (dB)	39.7	48.4	8.9	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	36	36
RL (dB)	-0.1	0.4	5.0	5.1
Freq. (MHz)	16.4	3.8	91.8	91.0
Limit (dB)	19.0	19.0	12.4	12.4



Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 022

Date / Time: 06/10/2016 02:29:03 PM

Headroom 10.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

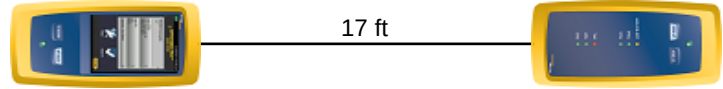
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	2.1
Insertion Loss Margin (dB)	[Pair 12]	19.9
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0

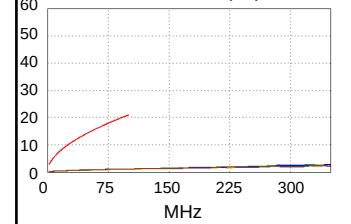


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

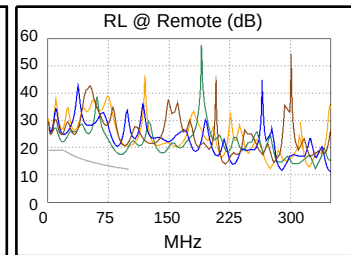
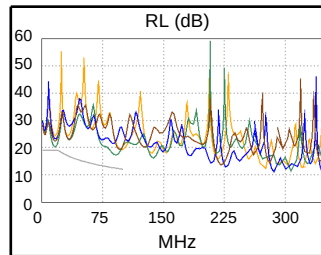
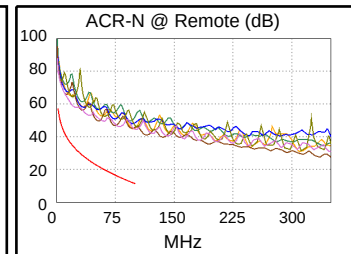
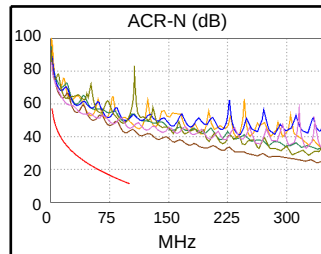
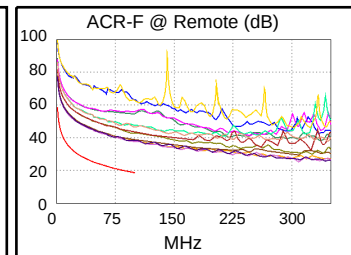
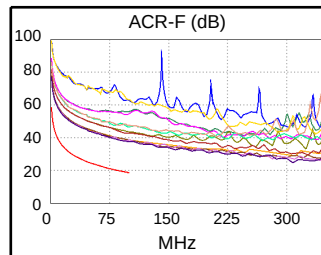
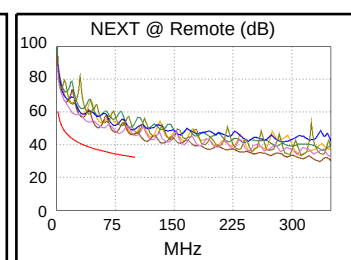
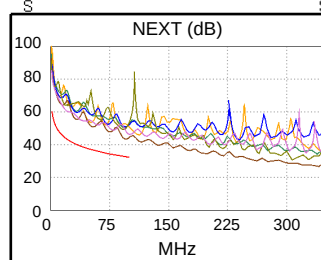
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	45-78
NEXT (dB)	10.8	13.1	10.9	13.3
Freq. (MHz)	95.3	80.5	96.5	100.0
Limit (dB)	32.7	33.9	32.6	32.3
Worst Pair	45	36	45	36
PS NEXT (dB)	11.9	12.7	12.0	12.7
Freq. (MHz)	96.5	99.0	97.3	99.0
Limit (dB)	29.6	29.4	29.5	29.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	78-36	36-78
ACR-F (dB)	18.7	18.6	19.1	19.1
Freq. (MHz)	90.8	4.4	100.0	100.0
Limit (dB)	19.5	45.8	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.0	18.2	18.9	19.1
Freq. (MHz)	1.9	1.8	100.0	100.0
Limit (dB)	50.2	50.8	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	45-78
ACR-N (dB)	23.9	23.1	30.4	33.2
Freq. (MHz)	3.0	2.4	96.3	100.0
Limit (dB)	53.3	55.3	12.0	11.3
Worst Pair	78	78	45	36
PS ACR-N (dB)	24.0	23.3	31.6	32.5
Freq. (MHz)	3.4	3.4	97.3	99.0
Limit (dB)	49.3	49.3	8.8	8.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	1.3	3.1	4.9	5.1
Freq. (MHz)	16.8	19.5	92.3	92.0
Limit (dB)	19.0	19.0	12.4	12.4

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 023

Date / Time: 06/10/2016 02:31:27 PM

Headroom -6.7 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

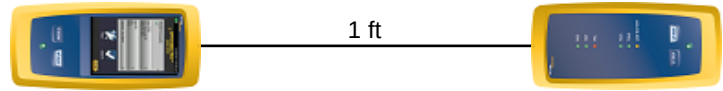
Main S/N: 2420012

Remote S/N: 2420016

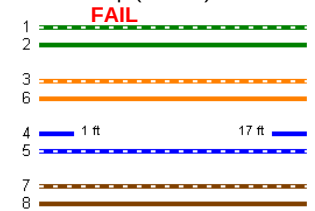
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

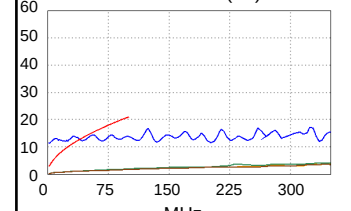
Length (ft), Limit 295	[Pair 45]	1
Prop. Delay (ns), Limit 498	[Pair 36]	25
Delay Skew (ns), Limit 44	[Pair 12]	24
Resistance (ohms)	[Pair 45]	Open
Insertion Loss Margin (dB)	[Pair 45]	-8.5 F
Frequency (MHz)	[Pair 45]	1.0
Limit (dB)	[Pair 45]	3.0



Wire Map (T568A)



Insertion Loss (dB)



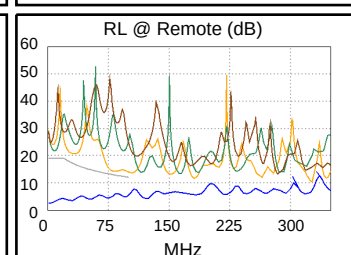
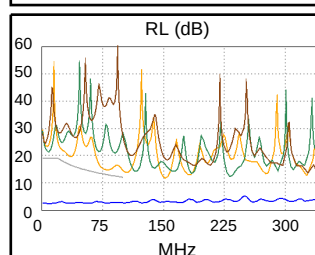
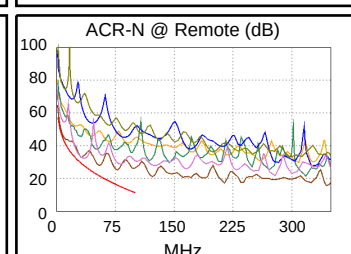
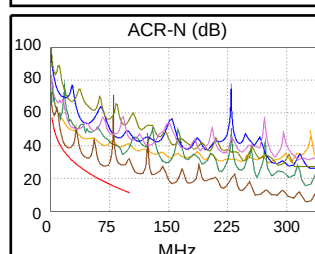
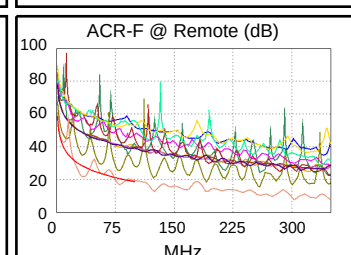
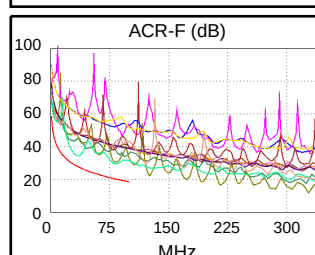
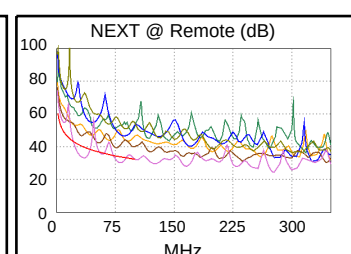
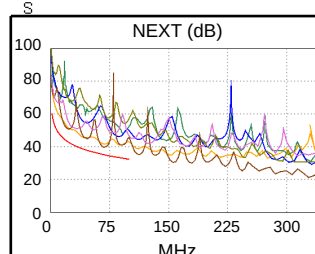
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	45-78
NEXT (dB)	4.6	-6.7 F	4.7	-3.5
Freq. (MHz)	68.0	34.0	68.3	82.3
Limit (dB)	35.1	40.0	35.0	33.7
Worst Pair	36	45	36	45
PS NEXT (dB)	5.4	-3.9 F	5.5	-1.0
Freq. (MHz)	68.0	34.0	68.3	81.0
Limit (dB)	32.1	37.0	32.0	30.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	6.3	-6.7 F	9.2	-3.5
Freq. (MHz)	32.5	32.5	82.8	81.3
Limit (dB)	28.4	28.4	20.3	20.4
Worst Pair	45	45	78	45
PS ACR-F (dB)	5.3	-3.9 F	11.9	-1.2
Freq. (MHz)	1.0	32.5	82.8	80.8
Limit (dB)	55.6	25.4	17.3	17.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	4.5	1.7	9.5	9.4
Freq. (MHz)	19.4	7.6	68.3	77.8
Limit (dB)	35.2	45.0	18.0	15.8
Worst Pair	45	45	45	45
PS ACR-N (dB)	6.8	-6.5	17.4	3.6
Freq. (MHz)	21.1	31.5	92.5	81.0
Limit (dB)	31.2	26.2	9.8	12.1

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-16.7 F	-16.5 F	-16.7	-16.5
Freq. (MHz)	12.1	4.3	12.1	4.3
Limit (dB)	19.0	19.0	19.0	19.0





Cable ID: 024

Date / Time: 06/10/2016 04:48:28 PM

Headroom 0.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

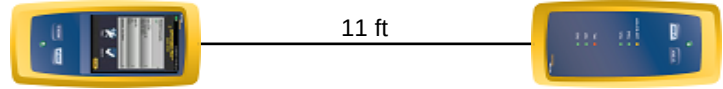
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	11
Prop. Delay (ns), Limit 498	[Pair 36]	17
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	1.8
Insertion Loss Margin (dB)	[Pair 12]	19.7
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0

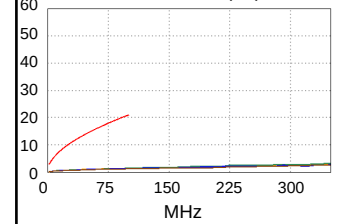


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

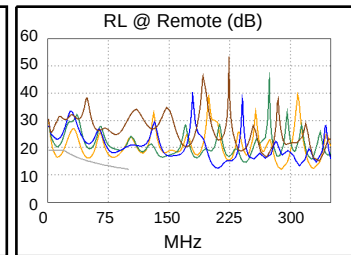
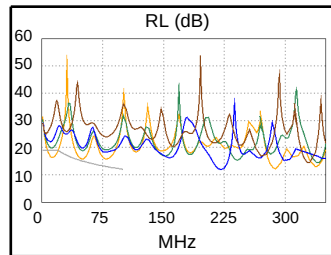
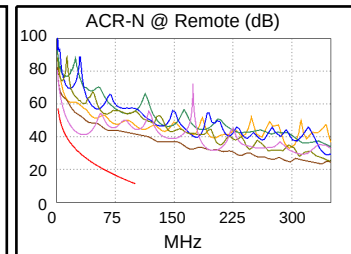
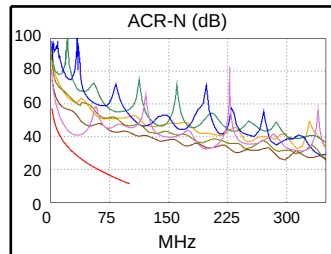
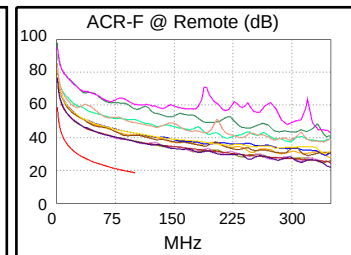
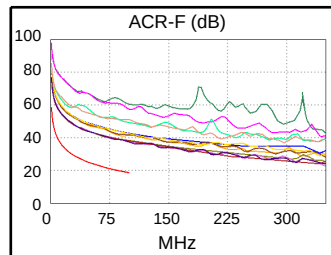
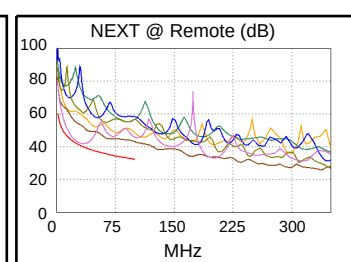
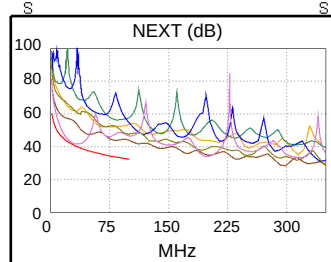
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	0.9	1.3	1.6	2.3
Freq. (MHz)	28.6	29.0	33.8	35.5
Limit (dB)	41.2	41.1	40.0	39.6
Worst Pair	45	45	45	45
PS NEXT (dB)	3.7	4.0	4.8	11.8
Freq. (MHz)	28.6	29.0	36.0	100.0
Limit (dB)	38.2	38.1	36.5	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-36	36-78
ACR-F (dB)	17.6	17.6	18.6	18.8
Freq. (MHz)	3.3	4.0	100.0	100.0
Limit (dB)	48.4	46.6	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.0	17.0	18.0	18.4
Freq. (MHz)	1.9	1.8	100.0	100.0
Limit (dB)	50.2	50.8	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.1	10.4	13.5	13.6
Freq. (MHz)	21.1	19.4	36.0	35.5
Limit (dB)	34.2	35.2	27.5	27.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	12.9	13.1	16.1	31.6
Freq. (MHz)	23.1	19.4	36.0	100.0
Limit (dB)	30.1	32.2	24.5	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.7	-2.5	2.9	1.2
Freq. (MHz)	13.1	13.1	81.0	51.0
Limit (dB)	19.0	19.0	12.9	14.9

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 025

Date / Time: 06/10/2016 04:51:10 PM

Headroom -0.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

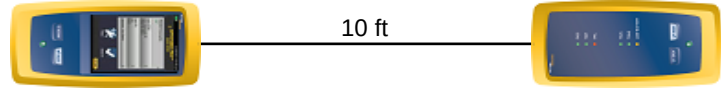
Main S/N: 2420012

Remote S/N: 2420016

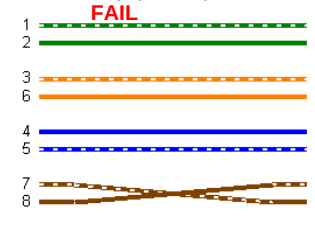
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

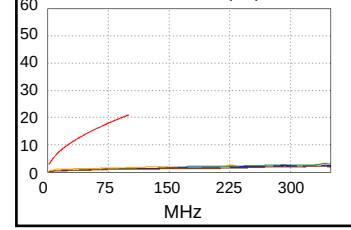
Length (ft), Limit 295	[Pair 12]	10
Prop. Delay (ns), Limit 498	[Pair 36]	15
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 12]	11.7
Insertion Loss Margin (dB)	[Pair 12]	19.4
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



Wire Map (T568A)

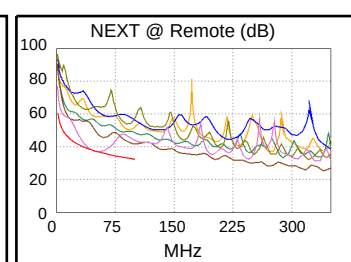
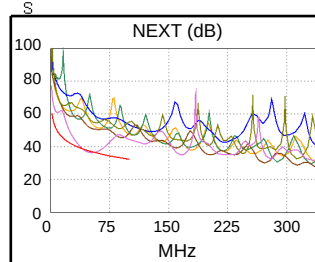


Insertion Loss (dB)

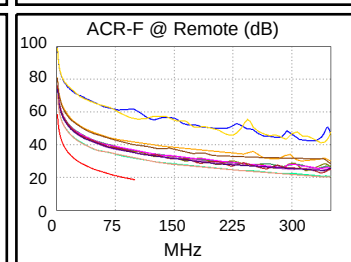
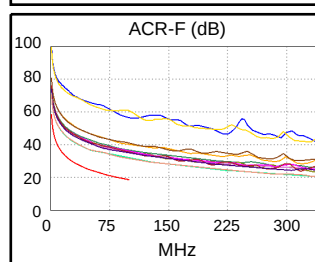


Worst Case Margin Worst Case Value

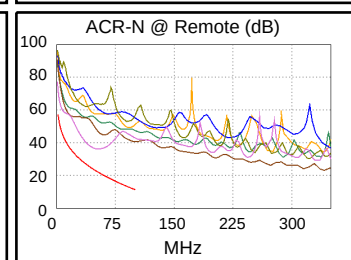
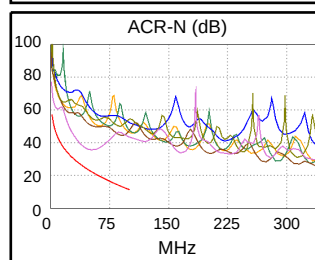
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-0.9 F	-0.3 F	-0.3	0.2
Freq. (MHz)	48.3	47.8	54.3	54.0
Limit (dB)	37.5	37.6	36.7	36.7
Worst Pair	45	45	45	45
PS NEXT (dB)	2.0	2.4	2.5	3.0
Freq. (MHz)	48.3	50.5	54.3	56.3
Limit (dB)	34.5	34.2	33.7	33.4



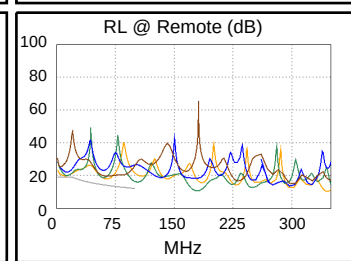
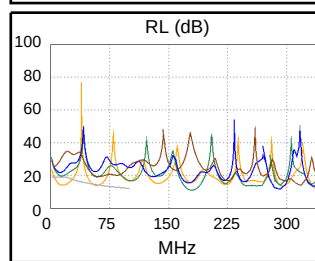
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	12.0	12.0	12.8	12.8
Freq. (MHz)	49.3	4.0	100.0	100.0
Limit (dB)	24.8	46.6	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.1	13.0	13.5	13.7
Freq. (MHz)	2.5	51.0	100.0	100.0
Limit (dB)	47.7	21.5	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	12.2	12.8	14.1	14.5
Freq. (MHz)	44.0	42.3	54.3	54.0
Limit (dB)	24.7	25.3	21.6	21.7
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.0	15.6	16.8	17.6
Freq. (MHz)	44.0	45.3	54.3	56.3
Limit (dB)	21.7	21.3	18.6	18.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	36
RL (dB)	-4.9	0.7	-0.3	4.2
Freq. (MHz)	17.4	12.4	60.3	100.0
Limit (dB)	19.0	19.0	14.2	12.0





Cable ID: 026

Date / Time: 06/10/2016 04:52:16 PM

Headroom 1.0 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	11
Prop. Delay (ns), Limit 498	[Pair 36]	17
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 78]	1.6
Insertion Loss Margin (dB)	[Pair 12]	18.0
Frequency (MHz)	[Pair 12]	86.3
Limit (dB)	[Pair 12]	19.3



11 ft

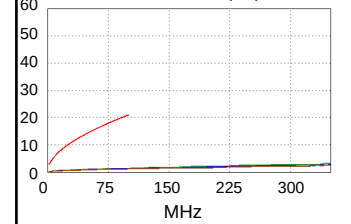


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

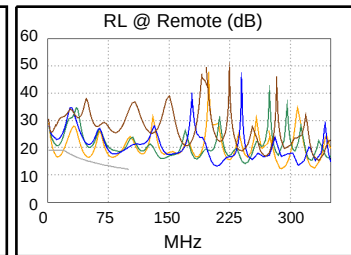
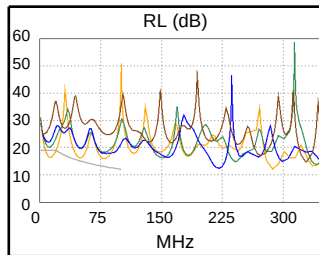
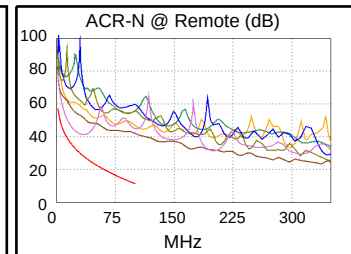
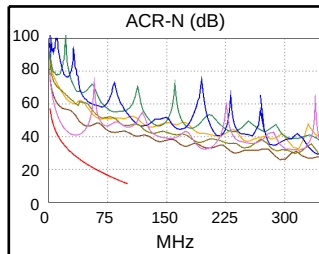
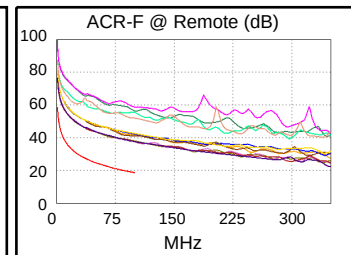
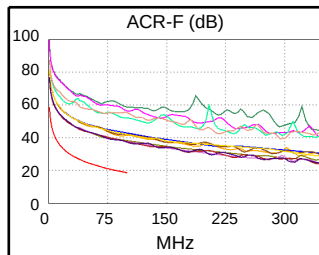
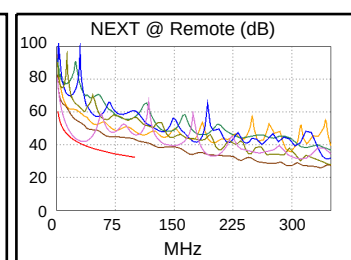
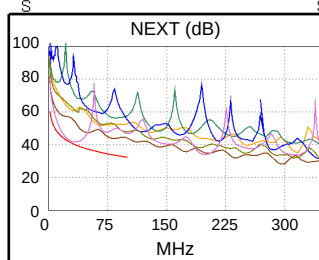
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	1.0	1.4	1.7	2.5
Freq. (MHz)	29.0	29.0	34.0	35.8
Limit (dB)	41.1	41.1	40.0	39.6
Worst Pair	45	45	45	45
PS NEXT (dB)	3.8	4.1	5.3	12.1
Freq. (MHz)	29.0	29.0	38.3	100.0
Limit (dB)	38.1	38.1	36.1	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-36	36-78
ACR-F (dB)	17.5	17.5	18.6	18.8
Freq. (MHz)	3.0	3.9	100.0	100.0
Limit (dB)	49.1	46.8	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.0	16.9	17.9	18.2
Freq. (MHz)	1.9	1.8	100.0	100.0
Limit (dB)	50.2	50.8	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.2	10.6	13.6	13.9
Freq. (MHz)	21.1	22.0	35.8	35.8
Limit (dB)	34.2	33.7	27.5	27.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.0	13.3	17.1	31.9
Freq. (MHz)	21.1	22.0	38.3	100.0
Limit (dB)	31.2	30.7	23.6	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.6	-2.5	2.9	3.5
Freq. (MHz)	13.8	12.5	80.5	81.3
Limit (dB)	19.0	19.0	13.0	12.9

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 027

Date / Time: 06/10/2016 04:53:13 PM

Headroom -8.6 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	11
Prop. Delay (ns), Limit 498	[Pair 36]	17
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 78]	1.7
Insertion Loss Margin (dB)	[Pair 36]	28.7
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1



11 ft

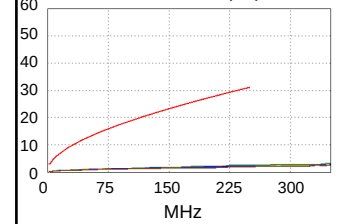


Wire Map (T568A)

PASS

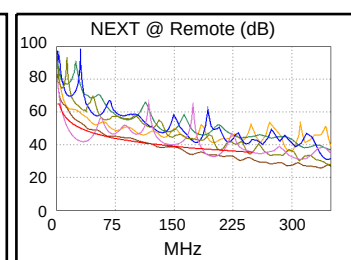
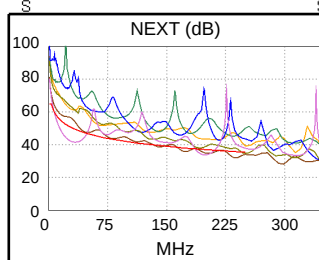


Insertion Loss (dB)

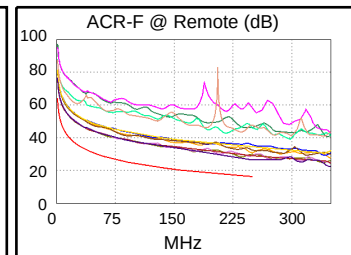
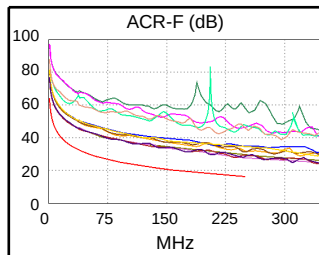


Worst Case Margin Worst Case Value

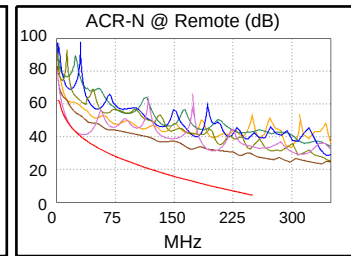
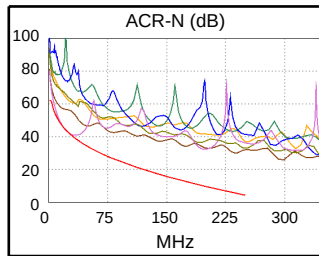
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
NEXT (dB)	-8.6 F	-8.2 F	-3.7	-5.3
Freq. (MHz)	27.9	26.8	239.0	236.0
Limit (dB)	50.8	51.1	35.7	35.7
Worst Pair	45	45	36	45
PS NEXT (dB)	-6.3 F	-6.0 F	-2.0	-3.5
Freq. (MHz)	29.4	29.0	250.0	237.5
Limit (dB)	48.0	48.1	32.7	33.1



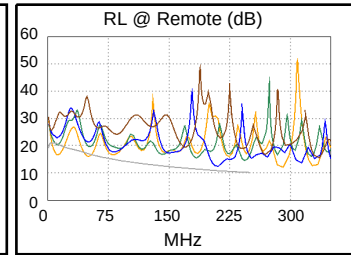
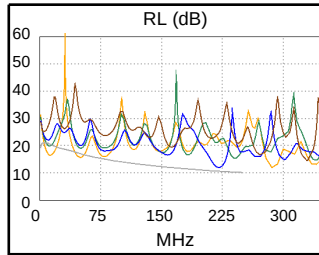
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-78	78-36
ACR-F (dB)	10.9	10.3	10.9	10.4
Freq. (MHz)	246.5	246.5	246.5	247.0
Limit (dB)	16.4	16.4	16.4	16.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	11.1	10.5	11.5	10.5
Freq. (MHz)	238.0	248.0	248.0	248.0
Limit (dB)	13.7	13.3	13.3	13.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	-0.3	0.1	24.7	22.6
Freq. (MHz)	23.3	22.9	239.0	235.0
Limit (dB)	43.5	43.7	5.4	5.8
Worst Pair	45	45	36	36
PS ACR-N (dB)	1.8	2.2	26.6	25.7
Freq. (MHz)	20.4	22.9	249.5	249.5
Limit (dB)	42.6	41.3	1.7	1.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	-4.2	-4.2	1.4	1.5
Freq. (MHz)	12.3	10.6	221.5	210.5
Limit (dB)	20.6	20.9	10.5	10.8



Cable ID: 028

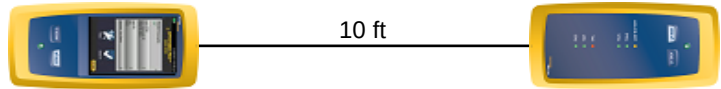
Date / Time: 06/14/2016 10:49:56 AM
Headroom 14.7 dB (NEXT 12-78)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

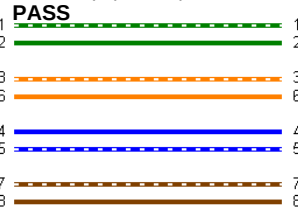
Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	14
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	27.8
Resist. Unbal. (ohms), Limit 0.83	[Pair 12]	14.56 F
Insertion Loss Margin (dB)	[Pair 12]	18.5
Frequency (MHz)	[Pair 12]	72.3
Limit (dB)	[Pair 12]	20.1

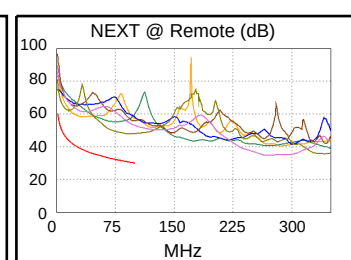
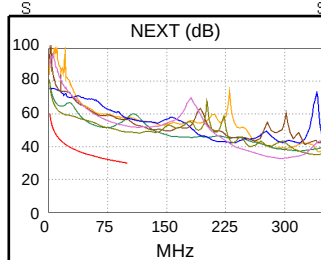


Wire Map (T568A)

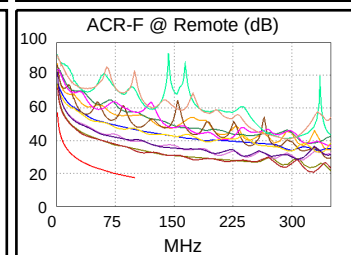
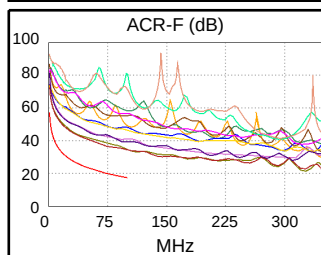


Worst Case Margin Worst Case Value

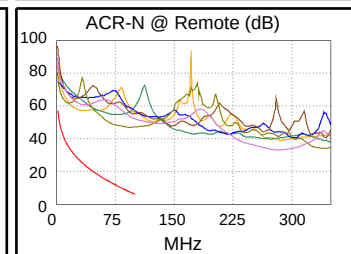
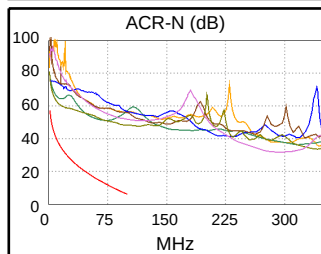
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	36-78
NEXT (dB)	15.0	14.7	19.1	17.4
Freq. (MHz)	1.3	1.1	99.8	95.3
Limit (dB)	60.0	60.0	30.1	30.4
Worst Pair	78	78	78	78
PS NEXT (dB)	16.4	15.8	20.1	19.3
Freq. (MHz)	1.5	1.6	99.8	99.0
Limit (dB)	57.0	56.9	27.1	27.2



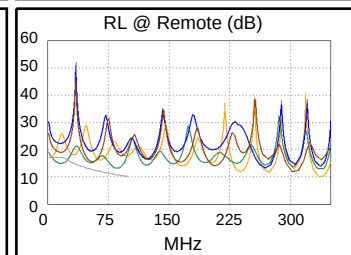
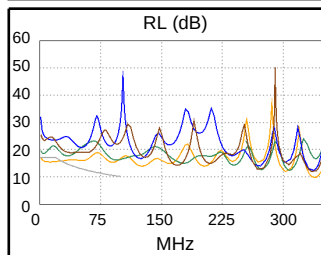
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	16.6	16.4	17.0	16.5
Freq. (MHz)	75.3	2.3	100.0	100.0
Limit (dB)	19.9	50.4	17.4	17.4
Worst Pair	12	36	36	36
PS ACR-F (dB)	18.5	18.4	18.7	18.7
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	54.4	54.4	14.4	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-78	36-78
ACR-N (dB)	17.7	17.5	42.3	39.9
Freq. (MHz)	1.3	1.3	99.8	95.3
Limit (dB)	57.0	57.0	6.1	7.1
Worst Pair	12	78	78	36
PS ACR-N (dB)	18.7	18.5	43.3	42.3
Freq. (MHz)	1.5	1.6	99.8	99.0
Limit (dB)	54.0	53.9	3.1	3.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	-1.6	-2.1	4.9	2.5
Freq. (MHz)	20.1	17.4	92.3	87.5
Limit (dB)	17.0	17.0	10.4	10.6





Cable ID: 028

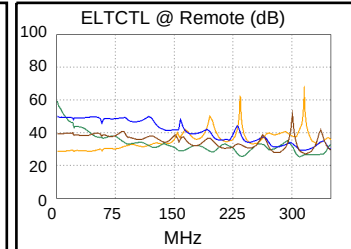
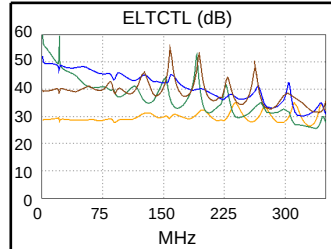
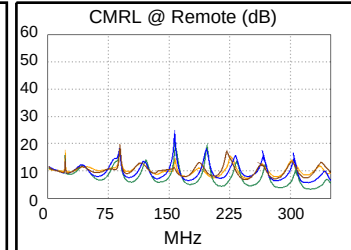
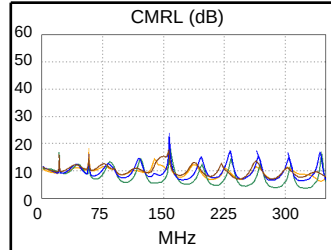
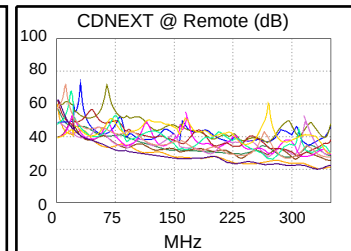
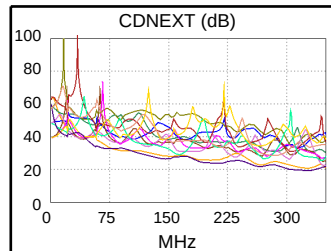
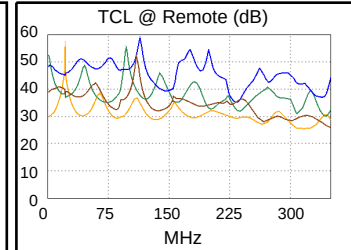
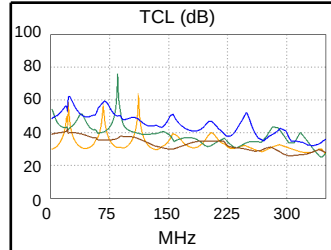
Date / Time: 06/14/2016 10:49:56 AM
Headroom 14.7 dB (NEXT 12-78)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	12
TCL (dB)			25.2	25.5
Freq. (MHz)			344.0	309.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	78-36
CDNEXT (dB)			19.2	20.1
Freq. (MHz)			328.0	333.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.5	3.2
Freq. (MHz)			322.0	322.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
ELTCTL (dB)			25.5	25.2
Freq. (MHz)			336.0	310.0
Limit (dB)				



Cable ID: 029

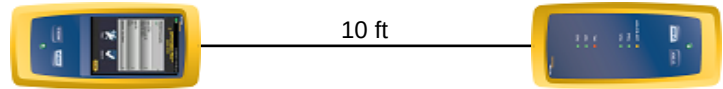
Date / Time: 06/14/2016 10:52:14 AM
Headroom 16.2 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

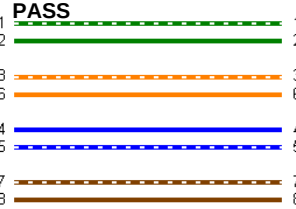
Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 45]	14
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	41.8
Resist. Unbal. (ohms), Limit 1.10	[Pair 12]	... F
Insertion Loss Margin (dB)	[Pair 36]	11.8
Frequency (MHz)	[Pair 36]	35.0
Limit (dB)	[Pair 36]	13.6

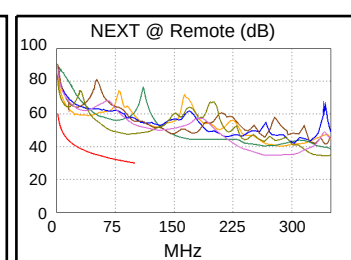
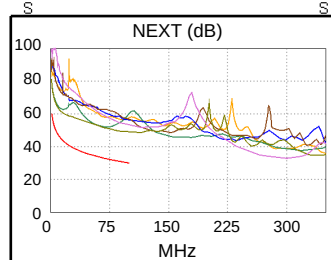


Wire Map (T568A)

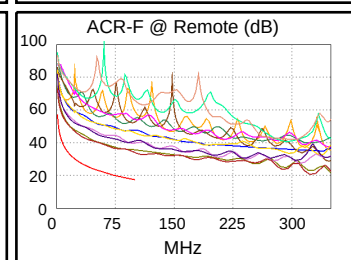
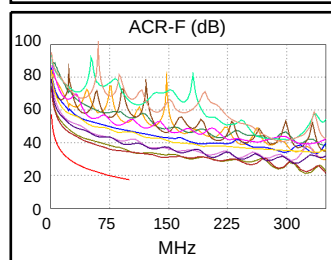


Worst Case Margin Worst Case Value

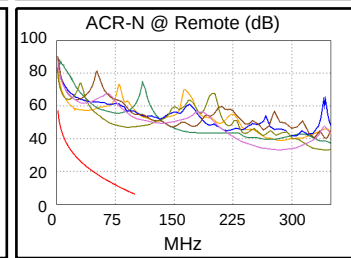
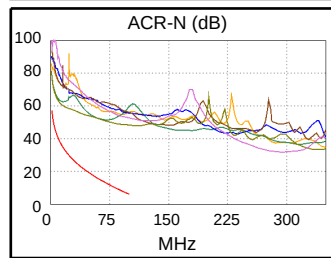
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	16.2	16.7	19.0	17.1
Freq. (MHz)	7.8	83.3	99.8	93.5
Limit (dB)	48.8	31.5	30.1	30.6
Worst Pair	36	36	78	78
PS NEXT (dB)	18.8	18.5	20.0	19.3
Freq. (MHz)	10.6	15.5	99.8	97.8
Limit (dB)	43.6	40.8	27.1	27.2



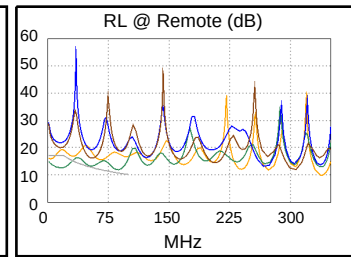
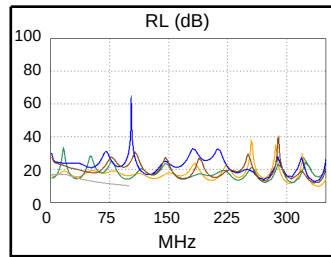
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	16.0	15.8	17.2	16.6
Freq. (MHz)	16.9	2.1	100.0	100.0
Limit (dB)	32.9	50.9	17.4	17.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.7	17.6	18.7	18.8
Freq. (MHz)	1.0	1.1	99.0	100.0
Limit (dB)	54.4	53.4	14.5	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	20.2	21.4	42.3	39.6
Freq. (MHz)	2.3	2.0	99.8	93.5
Limit (dB)	54.3	55.3	6.1	7.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	21.1	21.4	43.3	42.4
Freq. (MHz)	1.9	2.0	99.8	99.3
Limit (dB)	52.8	52.3	3.1	3.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-2.1	-4.5	3.9	1.2
Freq. (MHz)	3.1	18.0	98.5	87.8
Limit (dB)	17.0	17.0	10.1	10.6





Cable ID: 029

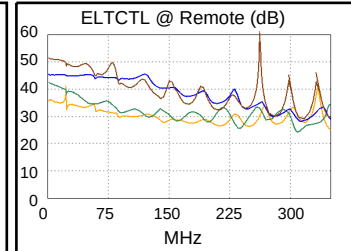
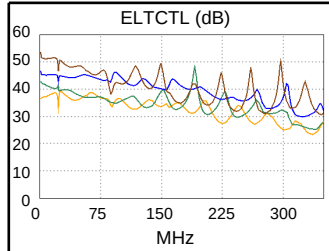
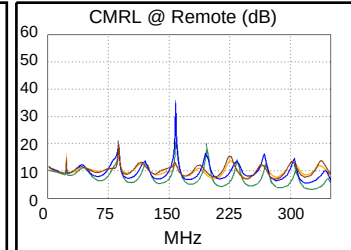
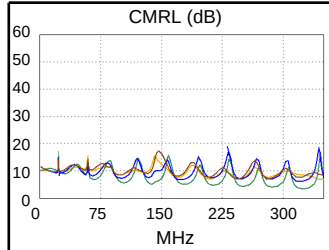
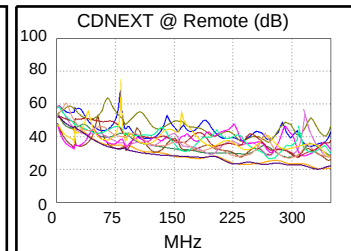
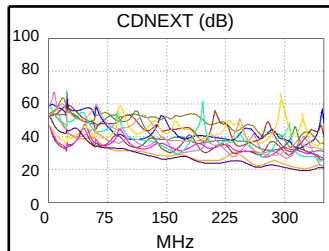
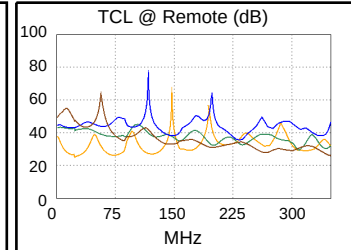
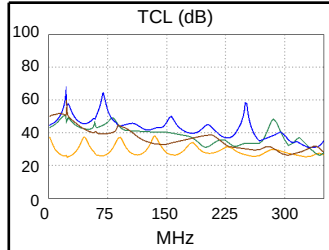
Date / Time: 06/14/2016 10:52:14 AM
Headroom 16.2 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			12	12
TCL (dB)			24.9	24.7
Freq. (MHz)			23.4	23.3
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	78-36
CDNEXT (dB)			19.2	20.0
Freq. (MHz)			325.0	333.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.3	3.1
Freq. (MHz)			322.0	325.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			12	36
ELTCTL (dB)			23.3	24.2
Freq. (MHz)			334.0	309.0
Limit (dB)				





Cable ID: 030

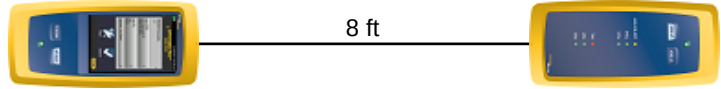
Date / Time: 06/14/2016 10:54:14 AM
Headroom 21.2 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

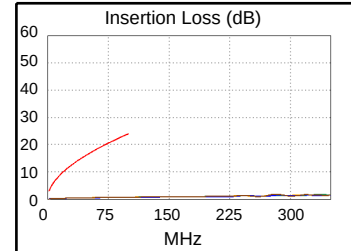
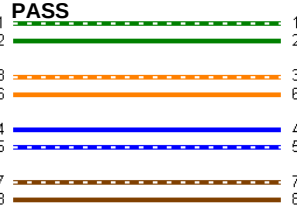
Test Summary: PASS

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	8
Prop. Delay (ns), Limit 555	[Pair 12]	12
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.3
Resist. Unbal. (ohms), Limit 0.20	[Pair 12]	0.01
Insertion Loss Margin (dB)	[Pair 12]	23.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

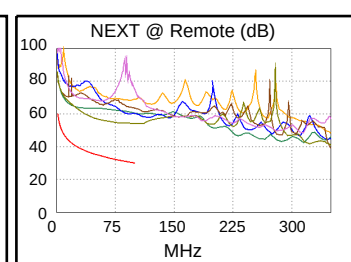
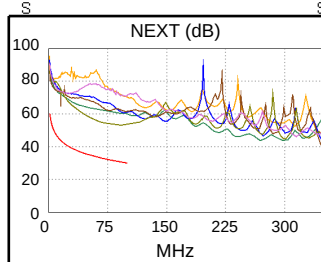


Wire Map (T568A)

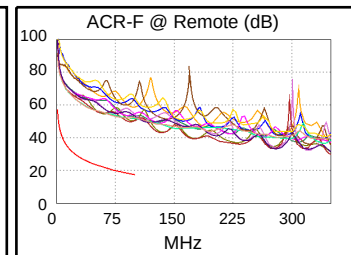
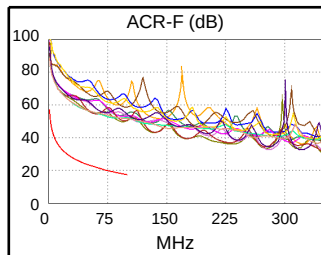


Worst Case Margin Worst Case Value

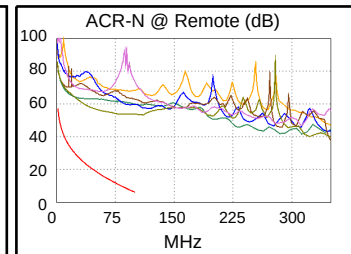
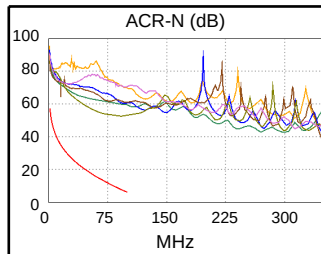
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-78
NEXT (dB)	21.9	21.2	22.1	24.2
Freq. (MHz)	72.8	2.1	89.3	99.5
Limit (dB)	32.5	58.0	30.9	30.1
Worst Pair	36	36	78	78
PS NEXT (dB)	23.0	21.2	24.9	26.3
Freq. (MHz)	2.1	1.9	94.3	100.0
Limit (dB)	55.0	55.9	27.5	27.1



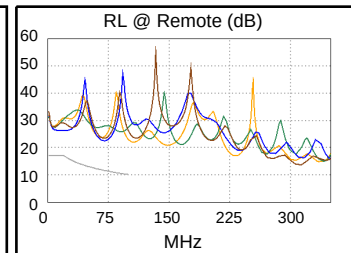
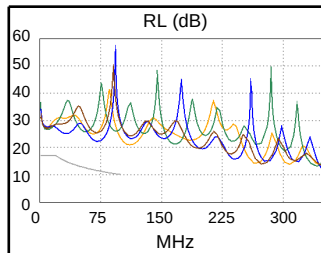
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	31.8	31.8	31.9	31.9
Freq. (MHz)	93.8	93.8	94.8	94.8
Limit (dB)	18.0	18.0	17.9	17.9
Worst Pair	45	45	45	45
PS ACR-F (dB)	31.2	31.5	31.8	32.6
Freq. (MHz)	1.0	1.3	94.8	98.8
Limit (dB)	54.4	52.5	14.9	14.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
ACR-N (dB)	25.7	24.3	44.0	47.5
Freq. (MHz)	1.6	1.9	89.3	99.5
Limit (dB)	56.9	55.8	8.4	6.2
Worst Pair	36	36	78	78
PS ACR-N (dB)	26.0	24.3	47.5	49.7
Freq. (MHz)	1.5	1.9	94.3	100.0
Limit (dB)	54.0	52.8	4.3	3.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	45	45
RL (dB)	9.6	9.2	10.9	11.0
Freq. (MHz)	10.5	20.1	73.0	71.3
Limit (dB)	17.0	17.0	11.4	11.5



Compliant Network Standards:

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



Cable ID: 030

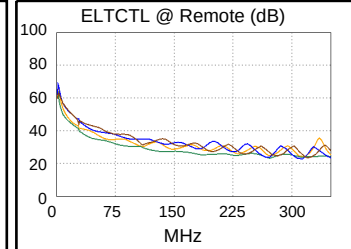
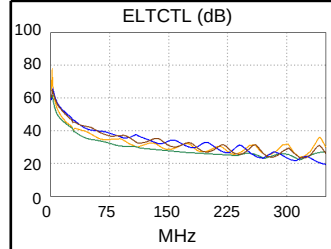
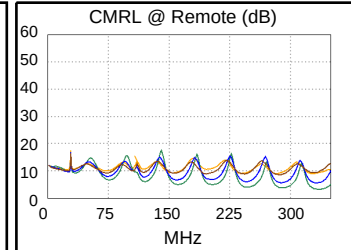
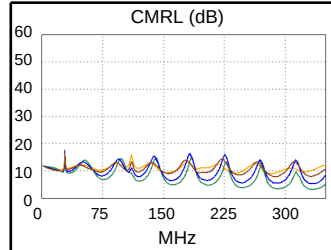
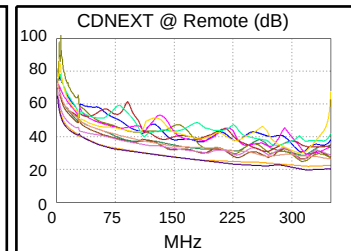
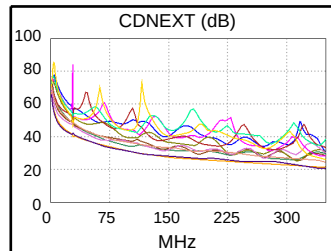
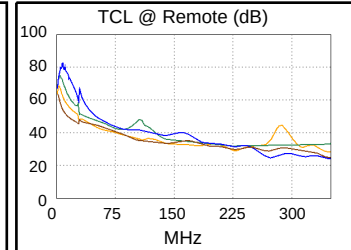
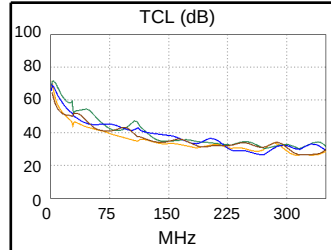
Date / Time: 06/14/2016 10:54:14 AM
Headroom 21.2 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			12	45
TCL (dB)			26.1	24.1
Freq. (MHz)			312.0	349.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	78-36
CDNEXT (dB)			20.7	19.7
Freq. (MHz)			340.0	316.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.1	3.1
Freq. (MHz)			333.0	334.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			45	45
ELTCTL (dB)			19.4	22.6
Freq. (MHz)			350.0	311.0
Limit (dB)				



Cable ID: 031

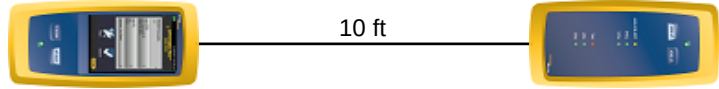
Date / Time: 06/14/2016 10:56:35 AM
Headroom 13.7 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

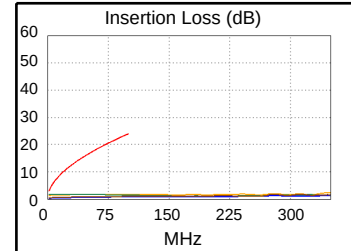
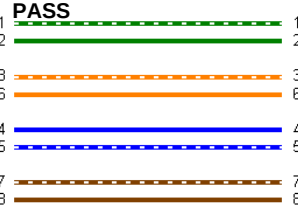
Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	14
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	42.2
Resist. Unbal. (ohms), Limit 1.06	[Pair 12]	... F
Insertion Loss Margin (dB)	[Pair 12]	22.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

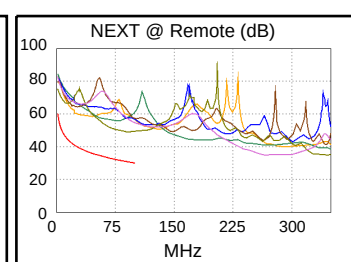
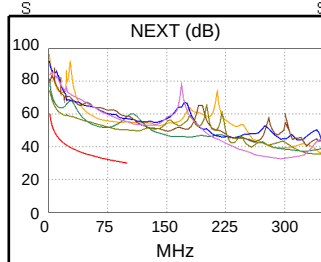


Wire Map (T568A)

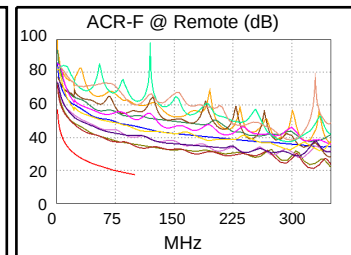
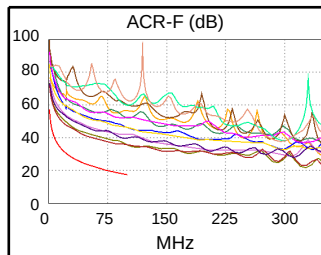


Worst Case Margin Worst Case Value

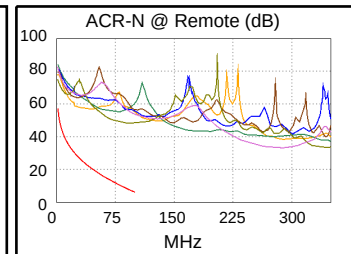
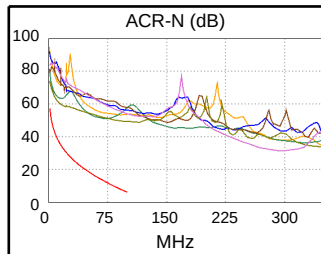
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	13.7	14.9	20.0	18.2
Freq. (MHz)	1.8	1.4	99.0	91.3
Limit (dB)	59.4	60.0	30.2	30.8
Worst Pair	36	36	78	78
PS NEXT (dB)	15.9	15.5	21.3	20.5
Freq. (MHz)	1.8	1.6	100.0	99.0
Limit (dB)	56.4	56.9	27.1	27.2



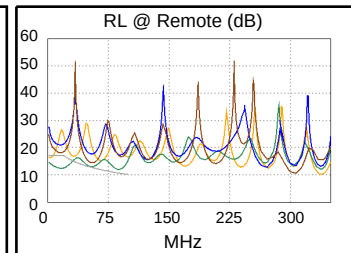
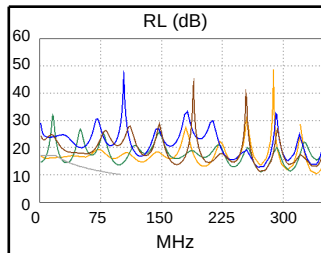
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	36-45	45-36
ACR-F (dB)	16.5	15.8	18.3	17.5
Freq. (MHz)	2.0	1.8	100.0	100.0
Limit (dB)	51.4	52.5	17.4	17.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	14.6	15.5	19.9	19.6
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	54.4	54.4	14.4	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	16.4	17.6	43.0	40.7
Freq. (MHz)	1.8	1.4	99.0	93.3
Limit (dB)	56.4	57.0	6.3	7.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	17.3	16.9	44.0	43.5
Freq. (MHz)	1.8	1.6	100.0	100.0
Limit (dB)	53.4	53.9	3.1	3.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-2.2	-4.7	3.5	1.3
Freq. (MHz)	2.9	17.5	97.8	88.3
Limit (dB)	17.0	17.0	10.1	10.6





Cable ID: 031

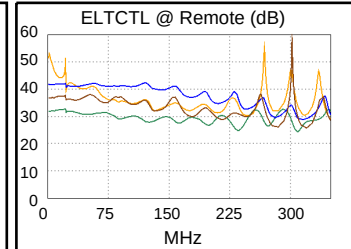
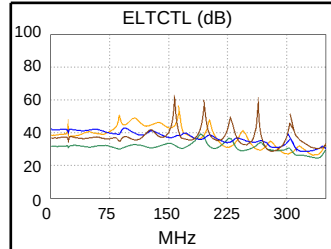
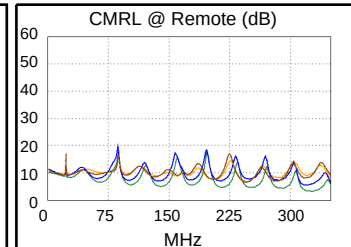
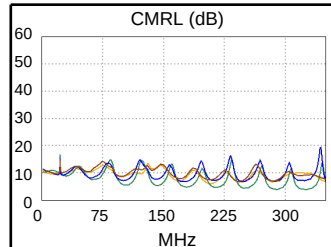
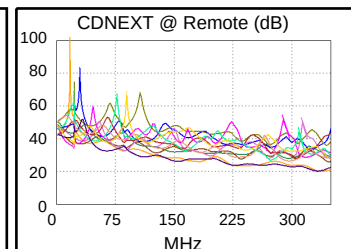
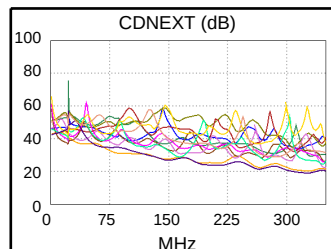
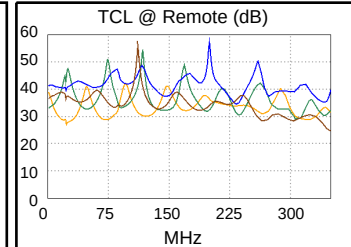
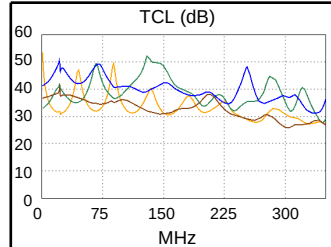
Date / Time: 06/14/2016 10:56:35 AM
Headroom 13.7 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			78	78
TCL (dB)			25.8	24.7
Freq. (MHz)			302.0	350.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	12-36
CDNEXT (dB)			19.0	19.9
Freq. (MHz)			324.0	336.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.8	3.2
Freq. (MHz)			287.0	322.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
ELTCTL (dB)			24.6	24.3
Freq. (MHz)			337.0	309.0
Limit (dB)				





Cable ID: 032

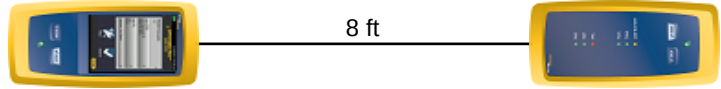
Date / Time: 06/14/2016 10:57:35 AM
Headroom 20.8 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

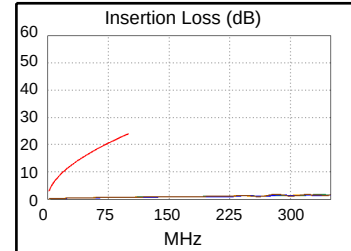
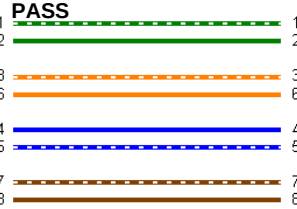
Test Summary: PASS

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	8
Prop. Delay (ns), Limit 555	[Pair 12]	12
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.3
Resist. Unbal. (ohms), Limit 0.20	[Pair 45]	0.01
Insertion Loss Margin (dB)	[Pair 12]	23.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

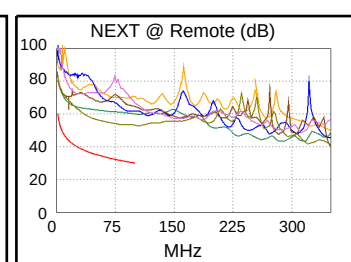
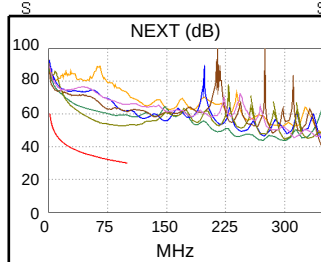


Wire Map (T568A)

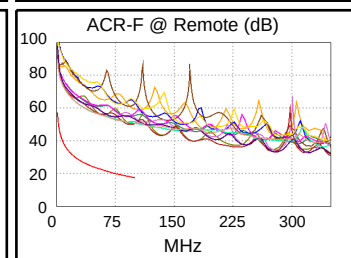
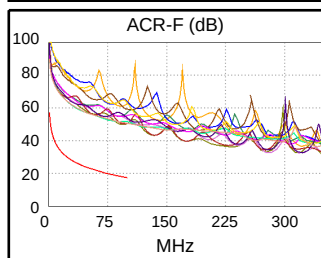


Worst Case Margin Worst Case Value

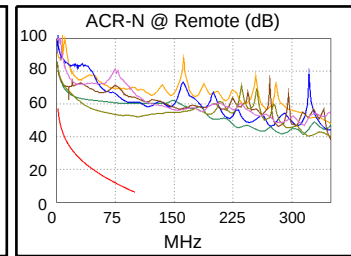
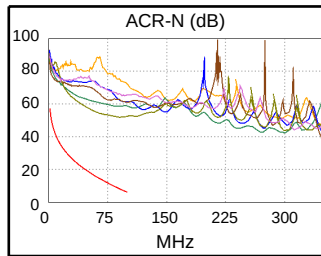
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-78
NEXT (dB)	21.3	20.8	21.9	23.1
Freq. (MHz)	70.8	1.8	93.8	100.0
Limit (dB)	32.7	59.4	30.6	30.1
Worst Pair	36	36	78	78
PS NEXT (dB)	22.7	21.2	24.5	25.4
Freq. (MHz)	1.4	1.8	95.3	100.0
Limit (dB)	57.0	56.4	27.4	27.1



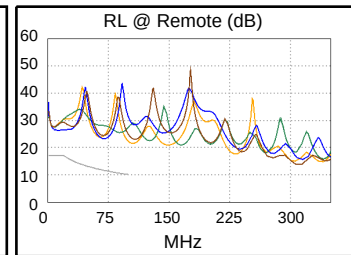
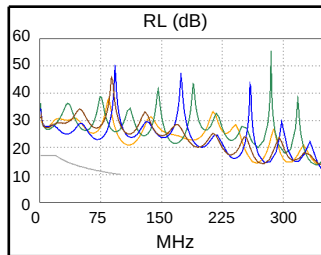
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	31.8	31.8	32.1	32.1
Freq. (MHz)	92.8	92.8	95.8	95.8
Limit (dB)	18.1	18.1	17.8	17.8
Worst Pair	45	45	45	45
PS ACR-F (dB)	31.7	32.1	32.1	32.6
Freq. (MHz)	90.5	90.5	95.5	97.8
Limit (dB)	15.3	15.3	14.8	14.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
ACR-N (dB)	24.9	23.8	44.5	46.5
Freq. (MHz)	1.4	1.8	93.8	100.0
Limit (dB)	57.0	56.4	7.4	6.1
Worst Pair	36	36	78	78
PS ACR-N (dB)	25.7	24.2	47.2	48.8
Freq. (MHz)	1.4	1.8	95.3	100.0
Limit (dB)	54.0	53.4	4.1	3.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	12	12
RL (dB)	9.6	9.2	12.7	12.2
Freq. (MHz)	9.6	20.0	100.0	100.0
Limit (dB)	17.0	17.0	10.0	10.0



Compliant Network Standards:
10BASE-T 100BASE-TX 100BASE-T4
1000BASE-T ATM-25 ATM-51
ATM-155 100VG-AnyLan TR-4
TR-16 Active TR-16 Passive



Cable ID: 032

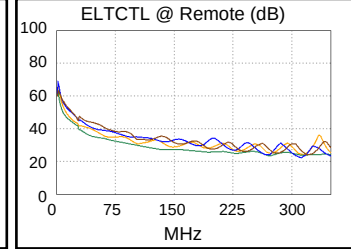
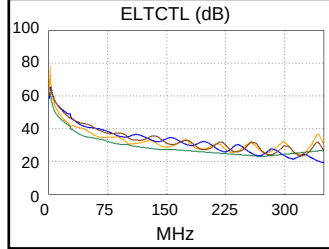
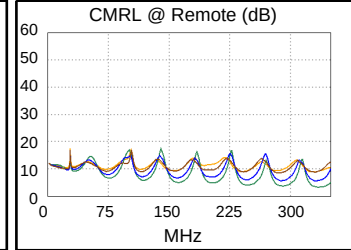
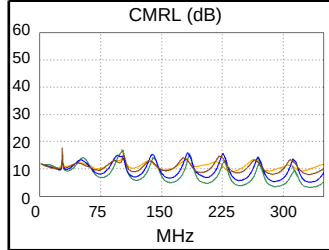
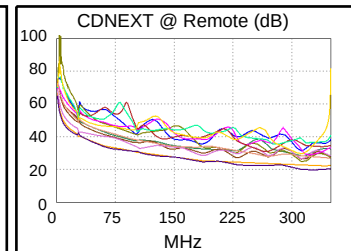
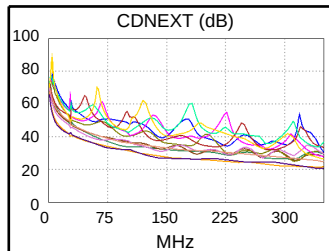
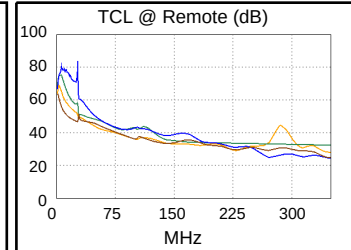
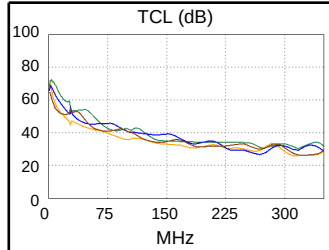
Date / Time: 06/14/2016 10:57:35 AM
Headroom 20.8 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			12	45
TCL (dB)			25.7	24.4
Freq. (MHz)			312.0	349.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	78-36
CDNEXT (dB)			20.6	19.7
Freq. (MHz)			342.0	319.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.1	3.2
Freq. (MHz)			331.0	332.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			45	45
ELTCTL (dB)			19.2	22.1
Freq. (MHz)			350.0	313.0
Limit (dB)				





Cable ID: 033

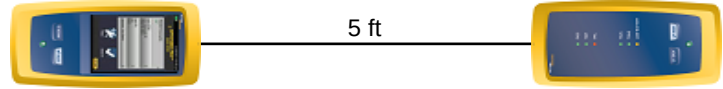
Date / Time: 06/14/2016 12:47:03 PM
Headroom 15.3 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

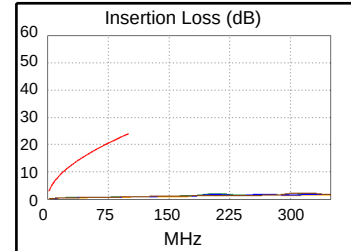
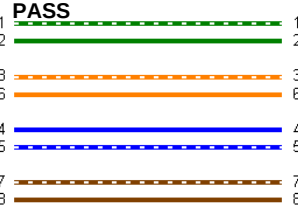
Test Summary: PASS

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	5
Prop. Delay (ns), Limit 555	[Pair 12]	7
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 78]	0.6
Resist. Unbal. (ohms), Limit 0.20	[Pair 36]	0.09
Insertion Loss Margin (dB)	[Pair 36]	23.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0

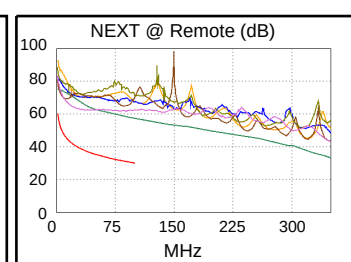
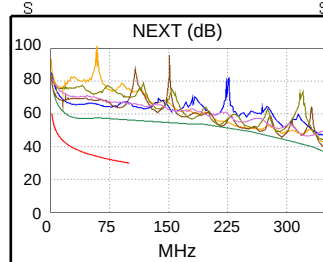


Wire Map (T568A)

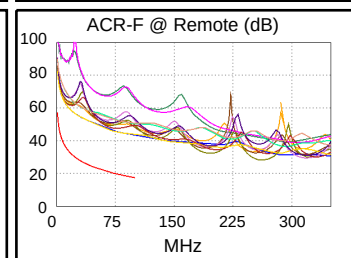
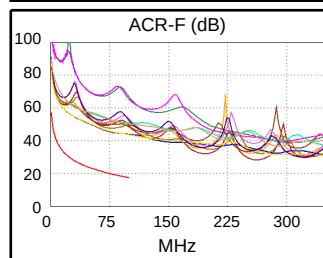


Worst Case Margin Worst Case Value

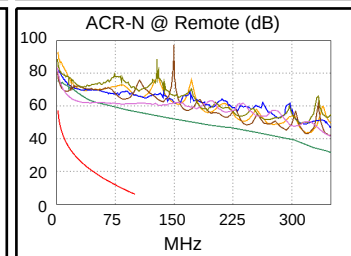
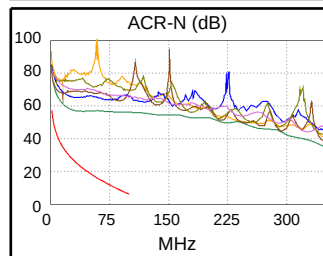
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	17.8	15.3	26.1	27.2
Freq. (MHz)	18.4	1.0	95.8	100.0
Limit (dB)	42.6	60.0	30.4	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	18.4	16.0	27.9	28.8
Freq. (MHz)	1.6	1.6	92.8	100.0
Limit (dB)	56.9	56.9	27.6	27.1



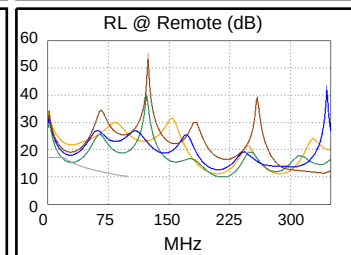
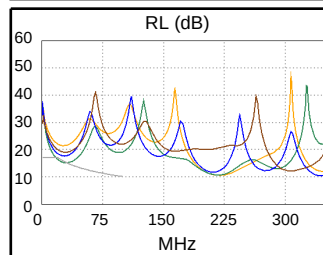
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	78-12	12-78
ACR-F (dB)	25.5	25.6	26.5	26.4
Freq. (MHz)	78.0	78.0	100.0	100.0
Limit (dB)	19.6	19.6	17.4	17.4
Worst Pair	36	36	12	78
PS ACR-F (dB)	26.4	26.3	28.2	28.0
Freq. (MHz)	6.9	7.0	100.0	100.0
Limit (dB)	37.7	37.5	14.4	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	12-45	12-45
ACR-N (dB)	22.1	18.3	48.8	50.5
Freq. (MHz)	1.8	1.0	95.8	100.0
Limit (dB)	56.4	57.0	7.0	6.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	21.4	19.0	50.2	52.1
Freq. (MHz)	1.6	1.6	92.8	100.0
Limit (dB)	53.9	53.9	4.6	3.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-0.8	-0.8	0.1	0.0
Freq. (MHz)	23.8	22.1	32.0	30.0
Limit (dB)	16.3	16.6	15.0	15.2



Compliant Network Standards:

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



Cable ID: 033

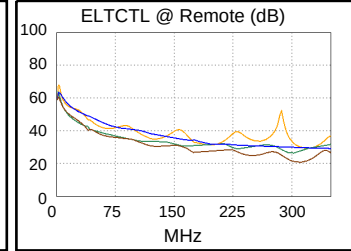
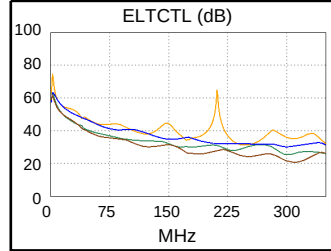
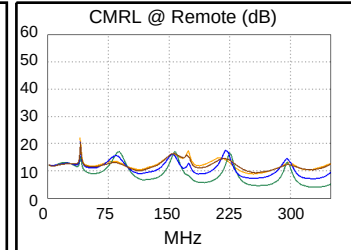
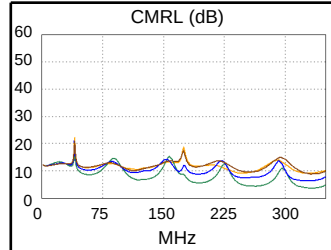
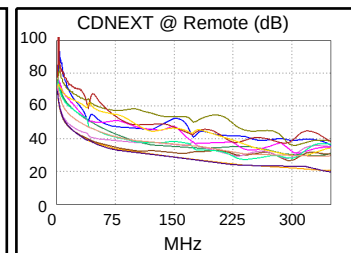
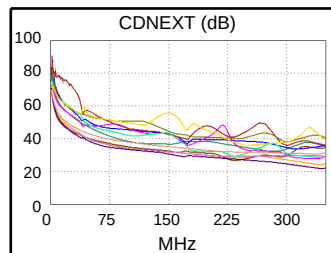
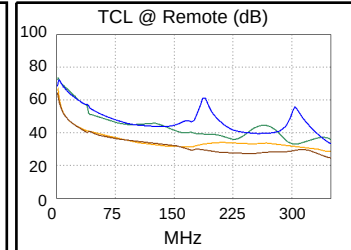
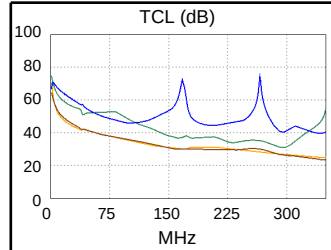
Date / Time: 06/14/2016 12:47:03 PM
Headroom 15.3 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			78	78
TCL (dB)			23.4	24.6
Freq. (MHz)			349.0	350.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	78-36
CDNEXT (dB)			21.9	19.6
Freq. (MHz)			341.0	350.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.6	3.9
Freq. (MHz)			327.0	331.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78	78
ELTCTL (dB)			20.8	20.8
Freq. (MHz)			307.0	312.0
Limit (dB)				





Cable ID: 034

Date / Time: 06/14/2016 01:01:42 PM

Headroom 0.6 dB (NEXT 45-78)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	14
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	28.2
Insertion Loss Margin (dB)	[Pair 36]	47.1
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	49.3

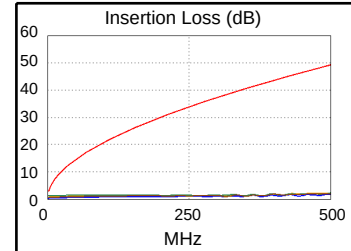


10 ft



Wire Map (T568A)

PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	12-36
NEXT (dB)	1.5	0.6*	2.0	4.2
Freq. (MHz)	267.0	291.0	424.0	497.0
Limit (dB)	32.6	32.0	28.0	26.2
Worst Pair	36	78	36	36
PS NEXT (dB)	2.1	2.2	2.9	5.5
Freq. (MHz)	365.0	292.0	424.0	500.0
Limit (dB)	26.8	29.0	25.1	23.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	6.5	6.8	6.5	6.9
Freq. (MHz)	428.0	426.0	428.0	429.0
Limit (dB)	10.6	10.7	10.6	10.6
Worst Pair	36	36	36	45
PS ACR-F (dB)	5.6	5.9	9.4	9.8
Freq. (MHz)	1.0	1.0	428.0	429.0
Limit (dB)	60.3	60.3	7.6	7.6

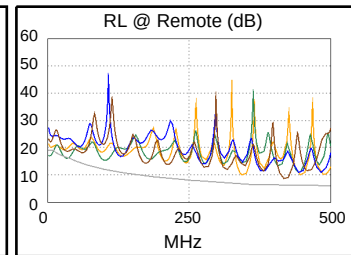
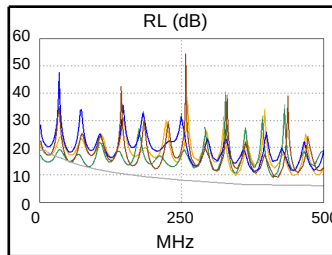
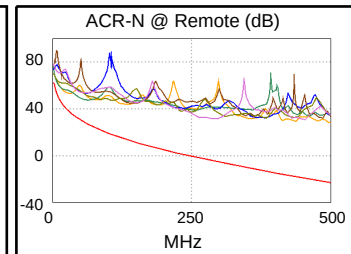
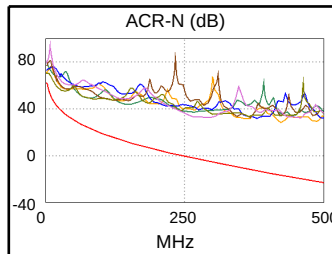
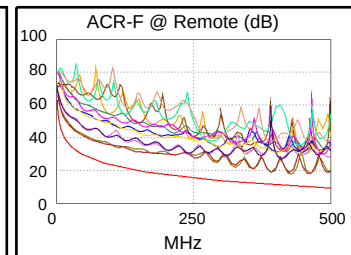
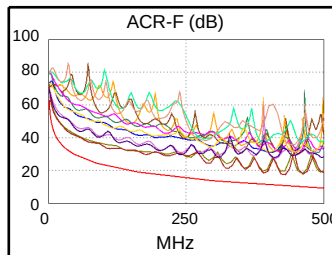
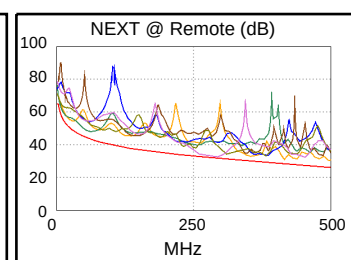
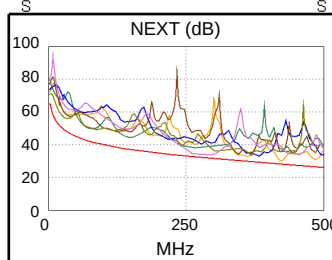
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	12-36	12-36
ACR-N (dB)	8.2	7.5	45.2	51.3
Freq. (MHz)	1.1	3.0	424.0	497.0
Limit (dB)	62.0	61.4	-17.0	-23.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	7.7	6.9	46.1	52.6
Freq. (MHz)	1.5	3.3	424.0	500.0
Limit (dB)	59.0	58.2	-19.9	-26.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	78
RL (dB)	-4.1	-2.1	2.8	2.3
Freq. (MHz)	10.6	3.6	417.0	420.0
Limit (dB)	18.9	19.0	6.0	6.0

Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T 10GBASE-T
ATM-51 ATM-155
TR-4 TR-16 Active

100BASE-T4
ATM-25
100VG-AnyLan
TR-16 Passive



* Measurement is within the accuracy limits of the instrument.



Cable ID: 035

Date / Time: 06/14/2016 01:03:26 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: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

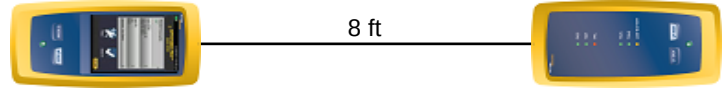
Main S/N: 2420012

Remote S/N: 2420016

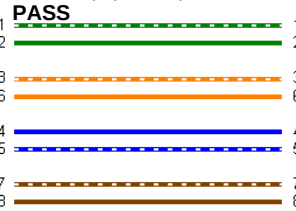
Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

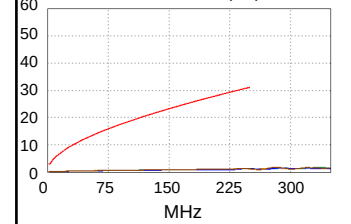
Length (ft), Limit 295	[Pair 12]	8
Prop. Delay (ns), Limit 498	[Pair 12]	12
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.3
Insertion Loss Margin (dB)	[Pair 12]	29.2
Frequency (MHz)	[Pair 12]	242.0
Limit (dB)	[Pair 12]	30.5



Wire Map (T568A)

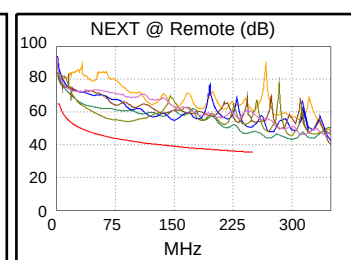
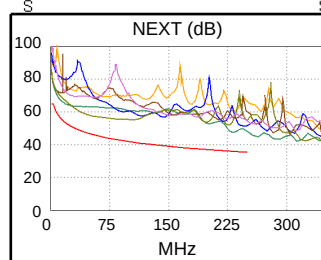


Insertion Loss (dB)

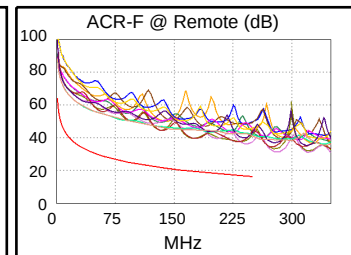
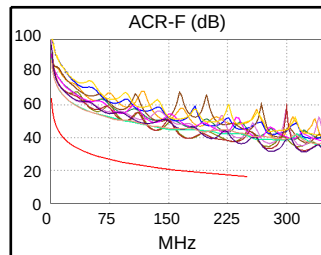


Worst Case Margin Worst Case Value

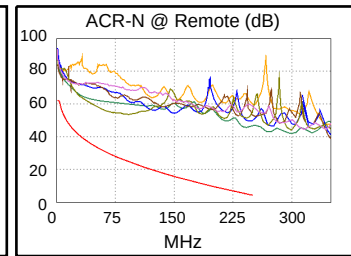
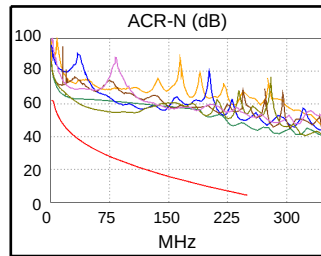
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	12-45
NEXT (dB)	10.8	10.9	11.6	11.4
Freq. (MHz)	10.1	65.8	232.5	243.0
Limit (dB)	57.7	44.8	35.9	35.5
Worst Pair	45	12	12	12
PS NEXT (dB)	11.0	12.6	13.9	12.7
Freq. (MHz)	4.0	245.0	250.0	245.5
Limit (dB)	61.8	32.9	32.7	32.8



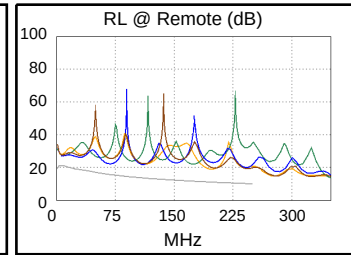
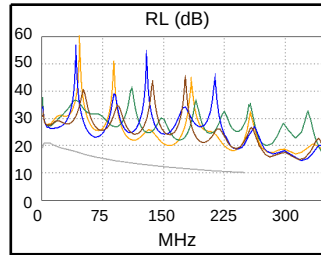
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	36-78
ACR-F (dB)	19.8	19.7	19.8	19.7
Freq. (MHz)	243.5	243.5	243.5	243.5
Limit (dB)	16.5	16.5	16.5	16.5
Worst Pair	36	45	36	78
PS ACR-F (dB)	20.4	21.5	20.6	21.6
Freq. (MHz)	238.0	172.5	243.0	243.5
Limit (dB)	13.7	16.5	13.5	13.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	12-45
ACR-N (dB)	14.5	17.3	40.6	40.8
Freq. (MHz)	3.9	3.4	232.5	243.0
Limit (dB)	60.8	61.8	6.0	4.9
Worst Pair	45	45	12	12
PS ACR-N (dB)	14.4	16.9	43.9	42.2
Freq. (MHz)	4.0	4.1	250.0	245.5
Limit (dB)	58.3	58.0	1.6	2.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	12	12
RL (dB)	5.3	6.0	7.8	7.9
Freq. (MHz)	10.6	8.0	236.5	198.5
Limit (dB)	20.9	21.0	10.3	11.0



Compliant Network Standards:

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



Cable ID: 036

Date / Time: 06/17/2016 03:09:44 PM

Headroom 6.2 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

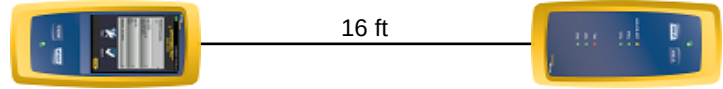
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	16
Prop. Delay (ns), Limit 498	[Pair 12]	25
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.0
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

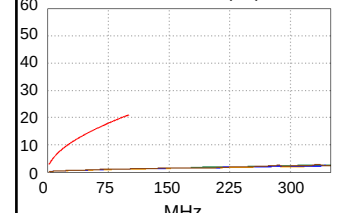


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

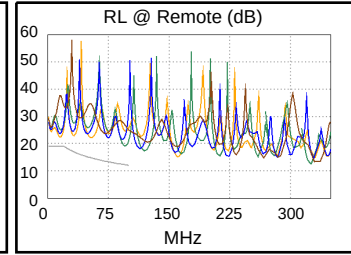
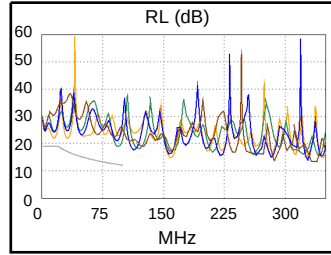
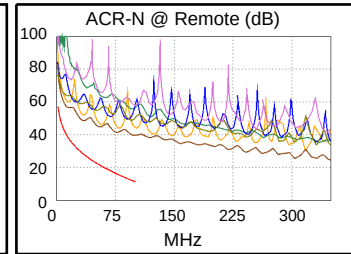
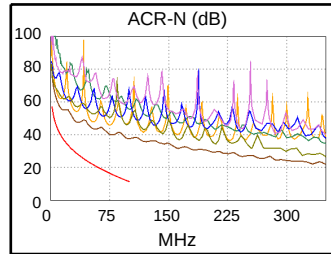
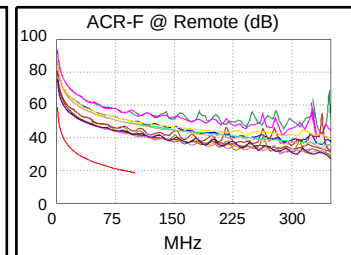
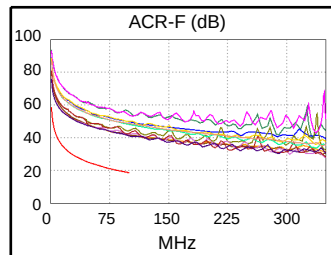
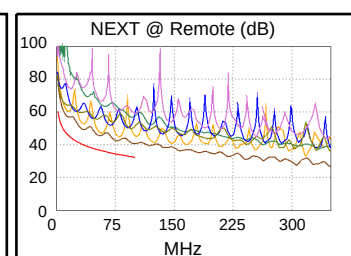
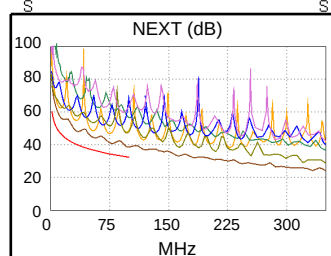
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.2	8.2	6.3	8.3
Freq. (MHz)	99.3	99.3	100.0	100.0
Limit (dB)	32.4	32.4	32.3	32.3
Worst Pair	36	36	36	36
PS NEXT (dB)	8.1	9.4	8.1	9.8
Freq. (MHz)	97.3	78.3	97.3	100.0
Limit (dB)	29.5	31.1	29.5	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	78-36	36-78
ACR-F (dB)	18.5	18.5	22.4	22.4
Freq. (MHz)	3.3	3.3	100.0	100.0
Limit (dB)	48.4	48.4	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.2	18.1	21.4	22.1
Freq. (MHz)	1.0	1.4	100.0	100.0
Limit (dB)	55.6	52.8	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.3	16.6	26.3	28.3
Freq. (MHz)	11.1	8.6	100.0	100.0
Limit (dB)	41.2	43.8	11.3	11.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	17.4	17.5	27.7	29.7
Freq. (MHz)	10.1	9.3	97.3	100.0
Limit (dB)	39.2	40.1	8.8	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	36	36
RL (dB)	3.0	3.4	6.7	6.9
Freq. (MHz)	15.4	15.9	95.0	96.5
Limit (dB)	19.0	19.0	12.2	12.2

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 037

Date / Time: 06/17/2016 03:10:21 PM

Headroom 5.6 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

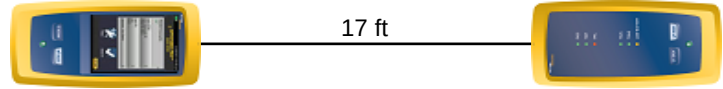
Main S/N: 2420012

Remote S/N: 2420016

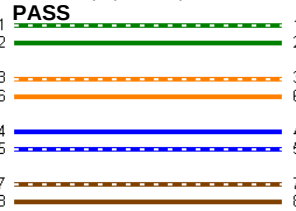
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

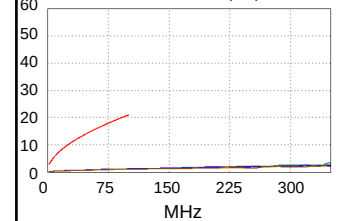
Length (ft), Limit 295	[Pair 36]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.2
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)



Insertion Loss (dB)



Worst Case Margin Worst Case Value

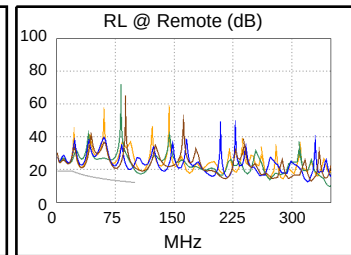
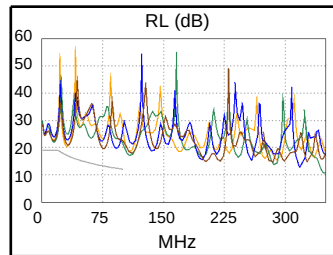
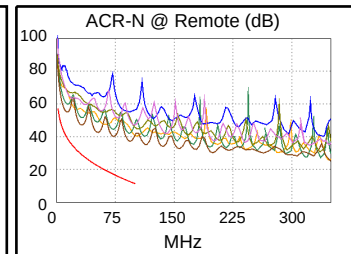
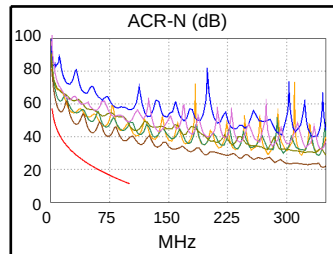
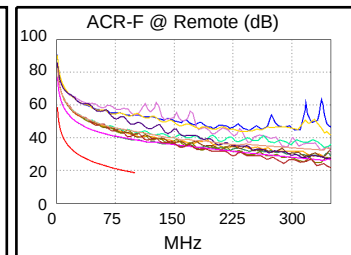
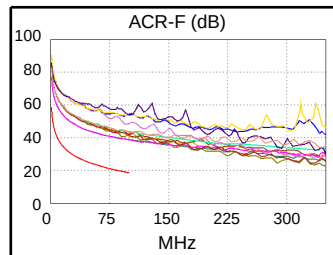
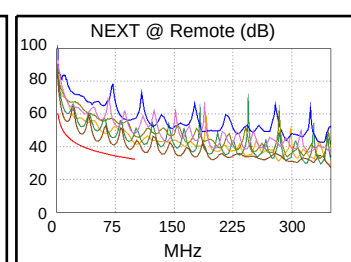
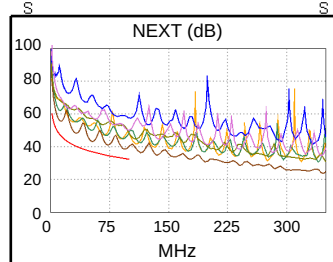
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.8	5.6	5.8	5.7
Freq. (MHz)	94.3	93.8	94.3	94.5
Limit (dB)	32.7	32.8	32.7	32.7
Worst Pair	45	45	45	45
PS NEXT (dB)	7.7	7.2	7.8	7.3
Freq. (MHz)	93.8	93.8	94.3	94.0
Limit (dB)	29.8	29.8	29.7	29.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	18.9	19.0	20.2	20.1
Freq. (MHz)	4.0	7.6	100.0	100.0
Limit (dB)	46.6	41.0	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	19.8	19.9	20.6	20.6
Freq. (MHz)	90.8	38.3	100.0	100.0
Limit (dB)	16.5	24.0	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	14.3	14.4	25.0	24.9
Freq. (MHz)	9.6	9.3	94.3	94.5
Limit (dB)	42.7	43.1	12.4	12.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	16.2	16.2	27.0	26.4
Freq. (MHz)	9.6	9.3	94.3	94.0
Limit (dB)	39.7	40.1	9.4	9.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	78	36
RL (dB)	3.0	4.0	6.5	7.4
Freq. (MHz)	15.9	30.5	77.0	100.0
Limit (dB)	19.0	17.2	13.1	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 038

Date / Time: 06/17/2016 03:10:42 PM

Headroom 4.5 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

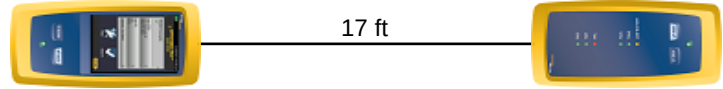
Main S/N: 2420012

Remote S/N: 2420016

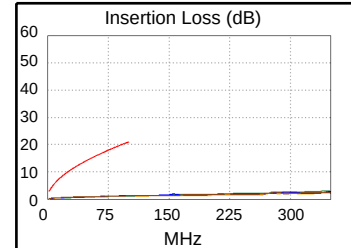
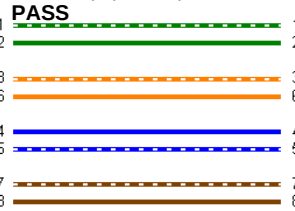
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 45]	1
Resistance (ohms)	[Pair 78]	3.4
Insertion Loss Margin (dB)	[Pair 45]	19.7
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0

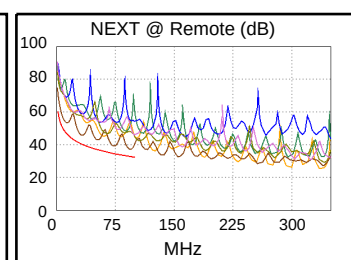
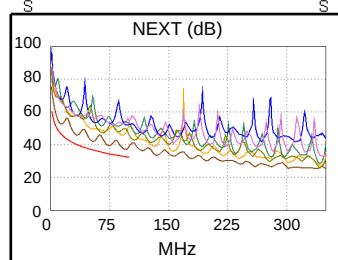


Wire Map (T568A)

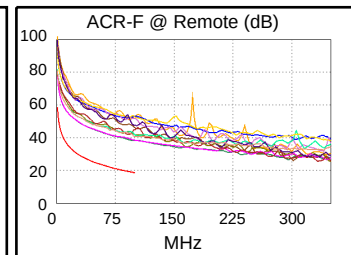
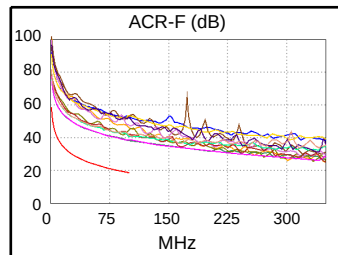


Worst Case Margin Worst Case Value

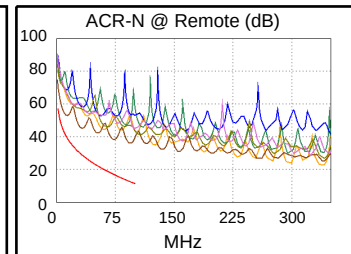
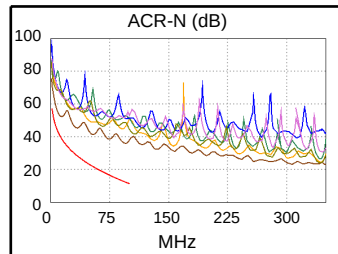
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.6	4.5	4.7	4.6
Freq. (MHz)	95.3	93.8	96.5	94.8
Limit (dB)	32.7	32.8	32.6	32.7
Worst Pair	36	36	36	36
PS NEXT (dB)	6.9	7.1	6.9	7.1
Freq. (MHz)	94.8	94.8	94.8	94.8
Limit (dB)	29.7	29.7	29.7	29.7



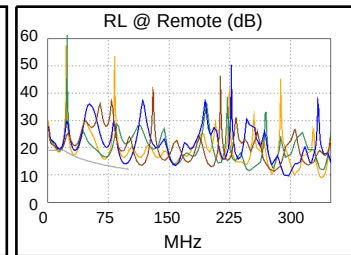
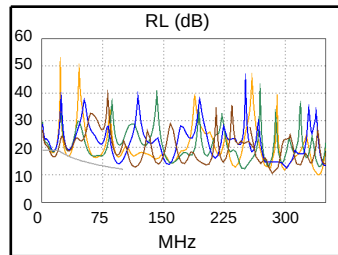
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	19.4	19.3	19.5	19.4
Freq. (MHz)	98.3	97.3	100.0	98.3
Limit (dB)	18.8	18.9	18.6	18.8
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.8	18.8	20.2	19.5
Freq. (MHz)	1.0	1.0	100.0	99.5
Limit (dB)	55.6	55.6	15.6	15.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	11.7	11.7	24.0	23.7
Freq. (MHz)	9.3	8.1	96.5	94.8
Limit (dB)	43.1	44.4	12.0	12.3
Worst Pair	36	36	36	45
PS ACR-N (dB)	14.3	14.4	26.3	26.4
Freq. (MHz)	9.3	7.6	94.8	94.8
Limit (dB)	40.1	42.0	9.3	9.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	12	45	45
RL (dB)	-2.4	-0.7	1.9	1.9
Freq. (MHz)	15.6	14.1	96.0	97.0
Limit (dB)	19.0	19.0	12.2	12.1



Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 039

Date / Time: 06/17/2016 03:11:02 PM

Headroom 6.7 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

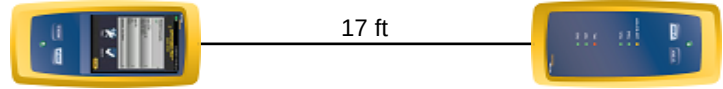
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 45]	1
Resistance (ohms)	[Pair 45]	1.3
Insertion Loss Margin (dB)	[Pair 45]	19.9
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0

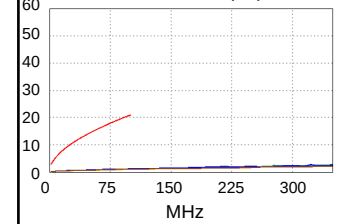


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

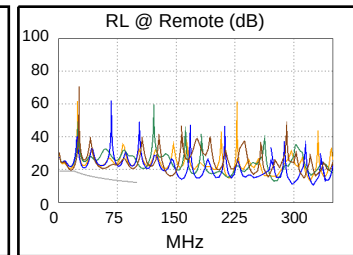
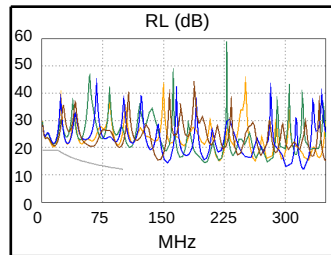
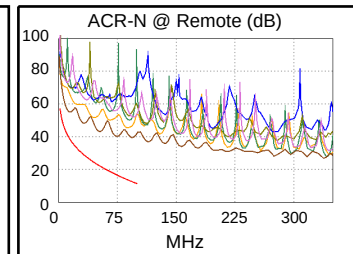
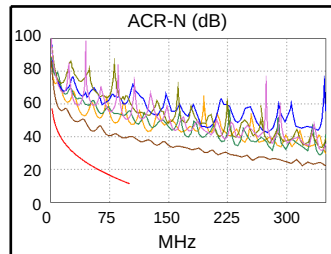
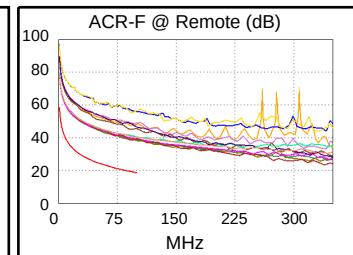
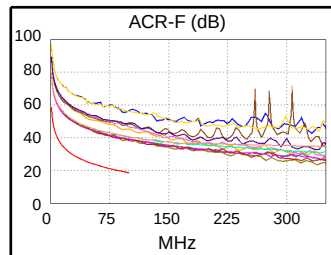
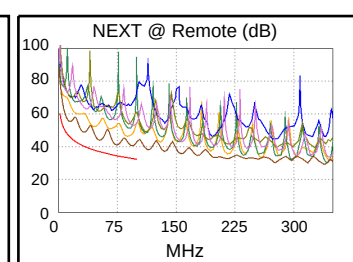
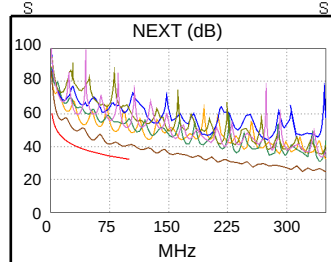
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.1	6.7	7.7	7.9
Freq. (MHz)	74.0	74.0	94.8	95.0
Limit (dB)	34.5	34.5	32.7	32.7
Worst Pair	45	36	45	36
PS NEXT (dB)	9.9	9.4	10.2	10.0
Freq. (MHz)	75.0	74.0	94.8	94.0
Limit (dB)	31.4	31.5	29.7	29.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	19.1	19.2	19.7	19.6
Freq. (MHz)	92.8	92.8	100.0	100.0
Limit (dB)	19.3	19.3	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.4	18.5	19.1	18.5
Freq. (MHz)	1.6	100.0	100.0	100.0
Limit (dB)	51.4	15.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	15.2	15.2	27.0	27.2
Freq. (MHz)	9.3	10.1	94.8	95.0
Limit (dB)	43.1	42.2	12.3	12.3
Worst Pair	36	36	45	36
PS ACR-N (dB)	17.9	17.9	29.5	29.2
Freq. (MHz)	8.6	10.1	94.8	94.0
Limit (dB)	40.8	39.2	9.3	9.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	78	78	78
RL (dB)	1.2	0.7	7.8	0.7
Freq. (MHz)	15.5	16.1	96.0	16.1
Limit (dB)	19.0	19.0	12.2	19.0

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 040

Date / Time: 06/17/2016 03:11:50 PM

Headroom -5.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

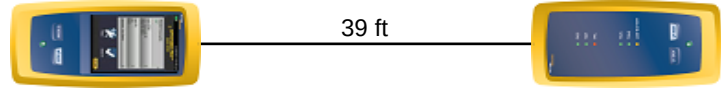
Main S/N: 2420012

Remote S/N: 2420016

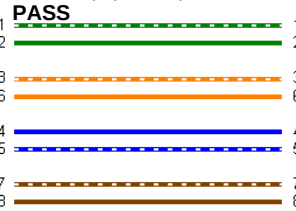
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

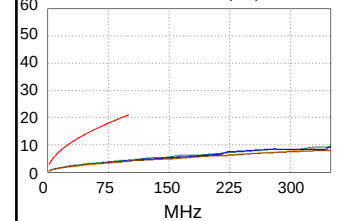
Length (ft), Limit 295	[Pair 12]	39
Prop. Delay (ns), Limit 498	[Pair 36]	59
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	5.3
Insertion Loss Margin (dB)	[Pair 36]	16.6
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

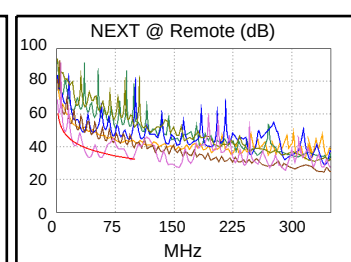
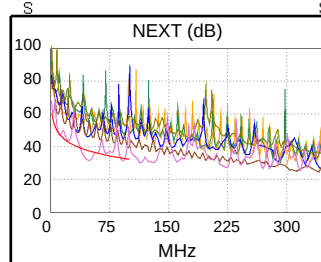


Insertion Loss (dB)

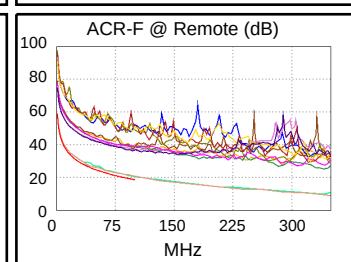
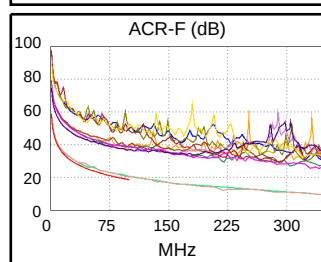


Worst Case Margin Worst Case Value

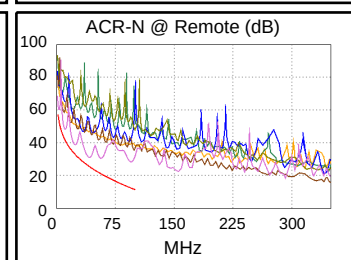
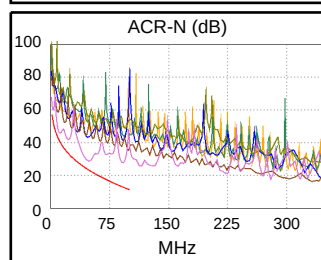
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.9 F	-5.1 F	-1.5	-0.6
Freq. (MHz)	49.0	42.0	92.0	95.3
Limit (dB)	37.4	38.5	32.9	32.7
Worst Pair	78	45	45	45
PS NEXT (dB)	-3.1 F	-2.2 F	1.1	2.3
Freq. (MHz)	47.8	42.0	92.0	96.3
Limit (dB)	34.6	35.5	29.9	29.6



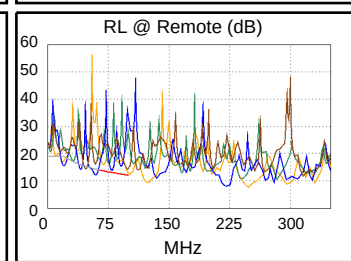
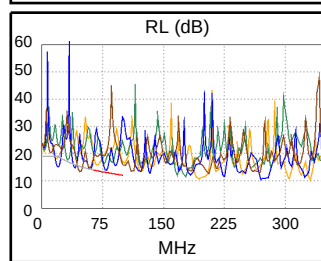
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	0.7	0.7	2.0	1.9
Freq. (MHz)	1.8	2.5	100.0	100.0
Limit (dB)	53.8	50.7	18.6	18.6
Worst Pair	78	45	45	78
PS ACR-F (dB)	3.6	3.6	4.9	4.8
Freq. (MHz)	1.8	1.8	100.0	100.0
Limit (dB)	50.8	50.8	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.7	5.4	14.8	16.1
Freq. (MHz)	10.8	41.0	92.0	95.3
Limit (dB)	41.6	25.7	12.9	12.2
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.5	8.1	17.2	19.0
Freq. (MHz)	10.8	41.0	92.0	96.3
Limit (dB)	38.6	22.7	9.9	9.0



FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-0.2 F	-2.3 F	0.7	-2.3
Freq. (MHz)	59.5	59.5	79.5	59.5
Limit (dB)	14.3	14.3	13.0	14.3





Cable ID: 041

Date / Time: 06/17/2016 05:21:22 PM

Headroom 5.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

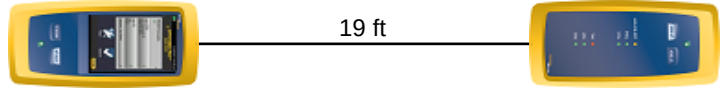
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	19
Prop. Delay (ns), Limit 498	[Pair 45]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.2
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

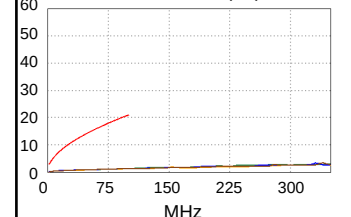


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

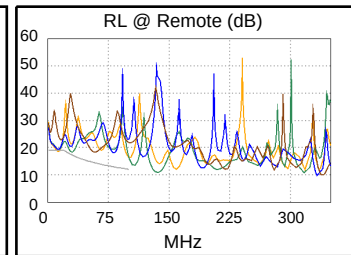
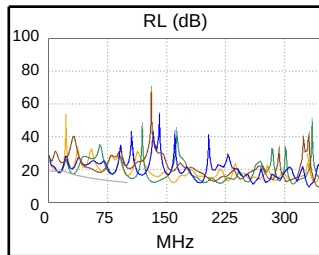
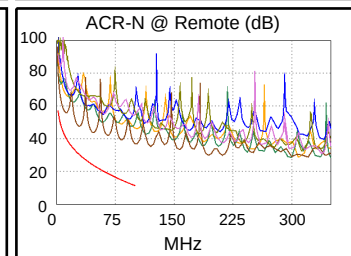
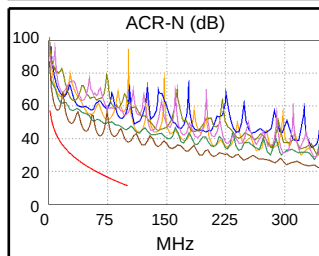
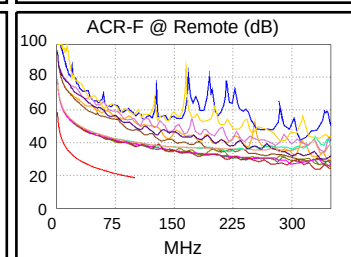
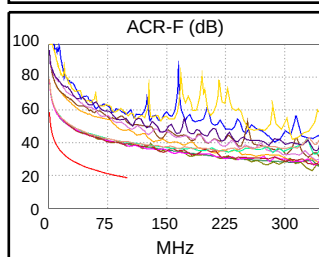
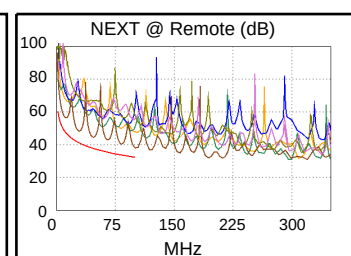
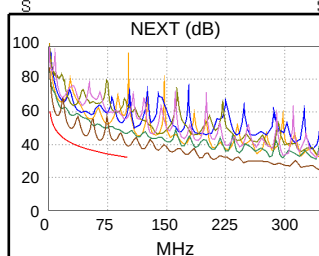
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.0	5.8	7.0	5.8
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	32.3	32.3	32.3	32.3
Worst Pair	45	36	45	36
PS NEXT (dB)	9.2	8.4	9.2	8.4
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	29.3	29.3	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.2	19.1	19.3	19.2
Freq. (MHz)	99.5	99.5	100.0	100.0
Limit (dB)	18.7	18.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.3	18.3	18.7	18.8
Freq. (MHz)	6.5	35.3	100.0	100.0
Limit (dB)	39.4	24.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	15.2	14.3	26.8	25.6
Freq. (MHz)	8.9	8.4	100.0	100.0
Limit (dB)	43.5	44.1	11.3	11.3
Worst Pair	36	36	45	36
PS ACR-N (dB)	17.9	17.0	29.0	28.1
Freq. (MHz)	8.9	8.4	100.0	100.0
Limit (dB)	40.5	41.1	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	-1.1	-0.4	4.1	4.4
Freq. (MHz)	14.5	13.9	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 042

Date / Time: 06/17/2016 05:22:00 PM

Headroom -2.4 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	19
Prop. Delay (ns), Limit 498	[Pair 36]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.8
Insertion Loss Margin (dB)	[Pair 36]	18.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



19 ft

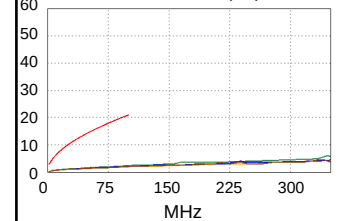


Wire Map (T568A)

PASS



Insertion Loss (dB)



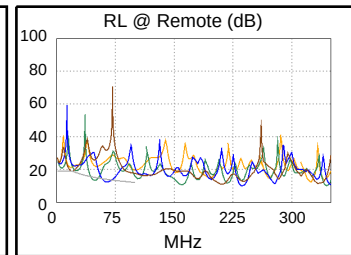
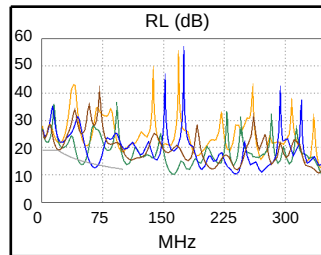
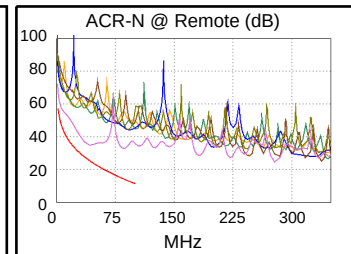
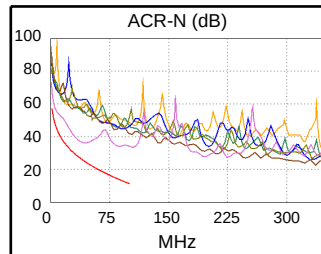
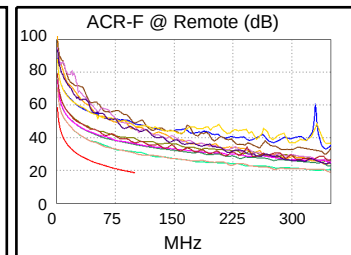
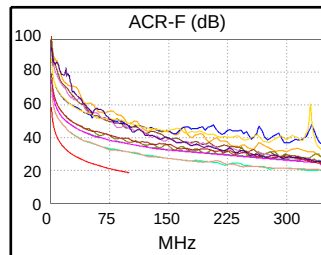
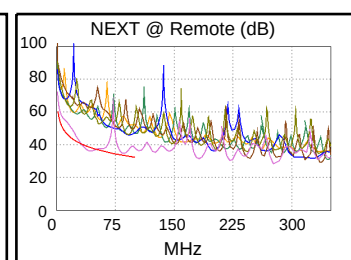
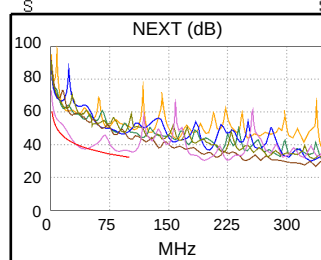
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.1 F	-2.4 F	2.6	1.4
Freq. (MHz)	39.8	41.3	87.5	86.8
Limit (dB)	38.9	38.6	33.3	33.3
Worst Pair	45	45	45	78
PS NEXT (dB)	1.8	0.6	6.0	4.0
Freq. (MHz)	40.8	41.3	100.0	87.3
Limit (dB)	35.7	35.6	29.3	30.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	78-45
ACR-F (dB)	11.3	11.5	12.0	11.9
Freq. (MHz)	75.5	75.5	100.0	100.0
Limit (dB)	21.1	21.1	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.9	13.0	13.6	13.4
Freq. (MHz)	77.3	61.3	100.0	100.0
Limit (dB)	17.9	19.9	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	9.3	9.3	20.3	19.0
Freq. (MHz)	4.0	40.8	87.5	86.8
Limit (dB)	50.9	25.8	13.8	13.9
Worst Pair	78	45	45	78
PS ACR-N (dB)	12.0	12.2	25.0	21.7
Freq. (MHz)	4.0	39.0	100.0	87.3
Limit (dB)	47.9	23.4	8.3	10.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	-1.5	-1.9	-1.2	-1.6
Freq. (MHz)	48.5	48.5	65.8	64.5
Limit (dB)	15.2	15.2	13.8	13.9



Cable ID: 043

Date / Time: 06/17/2016 05:25:25 PM

Headroom -2.4 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

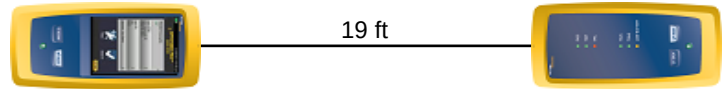
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	19
Prop. Delay (ns), Limit 498	[Pair 36]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.7
Insertion Loss Margin (dB)	[Pair 36]	18.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

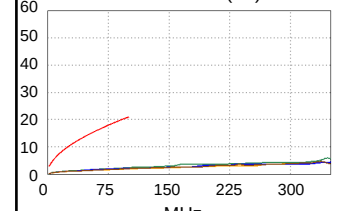


Wire Map (T568A)

PASS

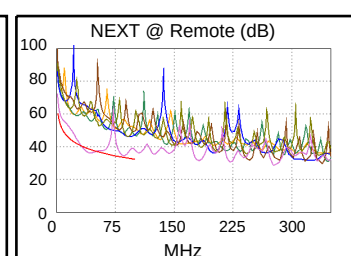
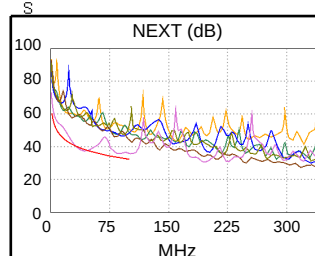


Insertion Loss (dB)

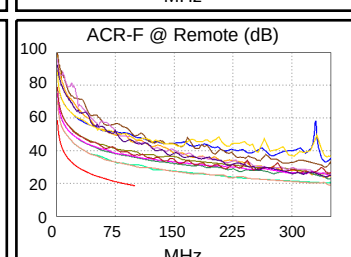
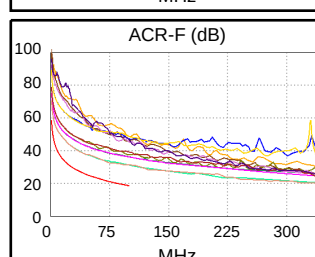


Worst Case Margin Worst Case Value

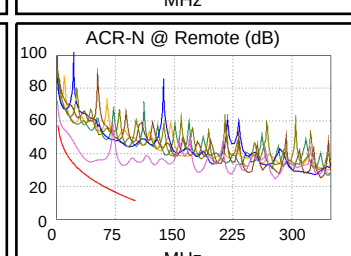
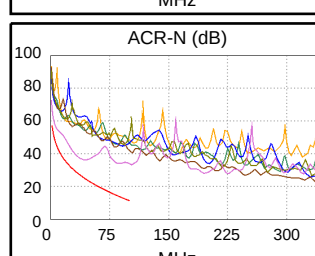
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.1 F	-2.4 F	2.6	1.3
Freq. (MHz)	40.3	41.3	88.0	86.8
Limit (dB)	38.8	38.6	33.2	33.3
Worst Pair	45	45	45	78
PS NEXT (dB)	1.8	0.6	5.9	3.9
Freq. (MHz)	40.3	41.3	100.0	86.8
Limit (dB)	35.8	35.6	29.3	30.3



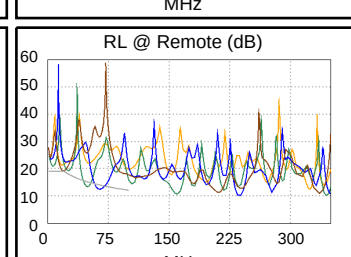
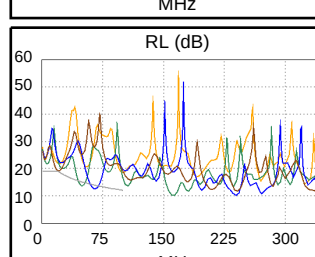
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	78-45
ACR-F (dB)	11.2	11.4	12.0	11.9
Freq. (MHz)	75.5	75.5	100.0	100.0
Limit (dB)	21.1	21.1	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.8	13.1	13.7	13.4
Freq. (MHz)	76.3	63.5	100.0	100.0
Limit (dB)	18.0	19.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	9.3	9.3	22.8	19.0
Freq. (MHz)	4.0	39.0	100.0	86.8
Limit (dB)	50.9	26.4	11.3	13.9
Worst Pair	78	45	45	45
PS ACR-N (dB)	12.0	12.2	24.9	21.1
Freq. (MHz)	4.0	39.0	100.0	84.5
Limit (dB)	47.9	23.4	8.3	11.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	-1.5	-1.9	-1.1	-1.4
Freq. (MHz)	49.5	48.5	67.0	65.8
Limit (dB)	15.1	15.2	13.7	13.8



Cable ID: 044

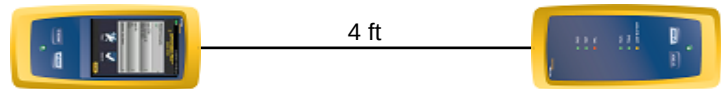
Date / Time: 06/23/2016 07:49:11 PM
Headroom -1.1 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

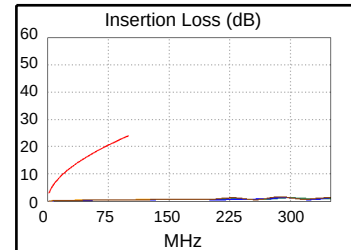
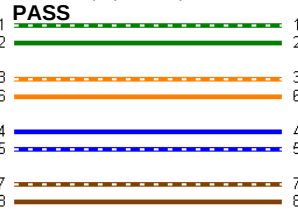
Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 78]	4
Prop. Delay (ns), Limit 555	[Pair 12]	7
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	0.1
Resist. Unbal. (ohms), Limit 0.20	[Pair 78]	0.01
Insertion Loss Margin (dB)	[Pair 12]	23.5
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

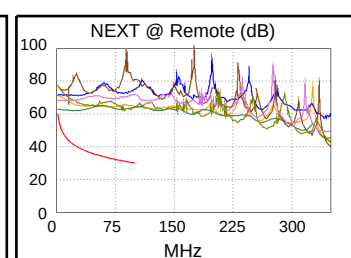
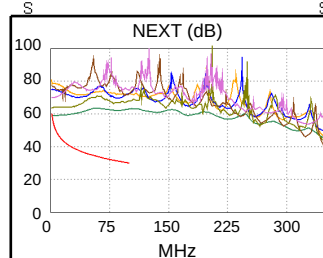


Wire Map (T568A)

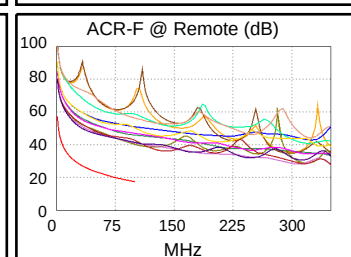
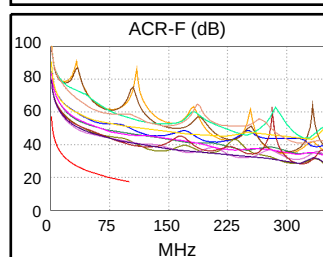


Worst Case Margin Worst Case Value

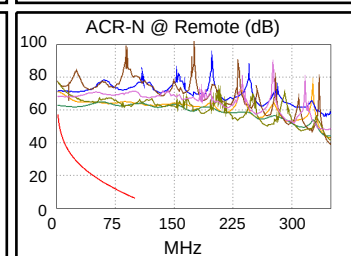
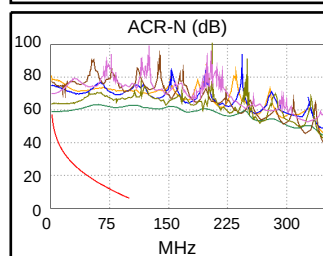
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	-1.1 F	2.7	-1.1	19.4
Freq. (MHz)	1.1	1.5	1.1	18.5
Limit (dB)	60.0	60.0	60.0	42.5
Worst Pair	45	45	45	12
PS NEXT (dB)	1.5	4.5	1.5	24.3
Freq. (MHz)	1.1	1.5	1.1	31.0
Limit (dB)	57.0	57.0	57.0	35.8



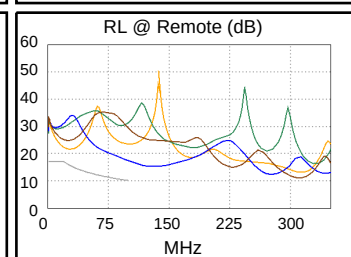
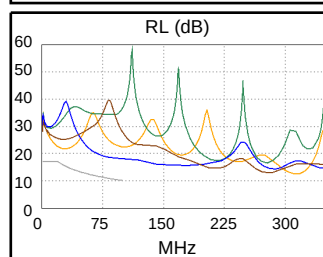
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	45-36	36-45
ACR-F (dB)	22.7	22.7	22.7	22.7
Freq. (MHz)	40.5	100.0	100.0	100.0
Limit (dB)	25.3	17.4	17.4	17.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	22.2	22.5	23.2	24.3
Freq. (MHz)	1.1	1.0	100.0	100.0
Limit (dB)	53.4	54.4	14.4	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-78
ACR-N (dB)	1.9	5.7	1.9	54.1
Freq. (MHz)	1.1	1.5	1.1	93.5
Limit (dB)	57.0	57.0	57.0	7.4
Worst Pair	45	45	45	12
PS ACR-N (dB)	4.5	7.5	4.5	36.8
Freq. (MHz)	1.1	1.5	1.1	31.0
Limit (dB)	54.0	54.0	54.0	23.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	5.5	5.2	8.3	7.2
Freq. (MHz)	21.6	20.1	100.0	100.0
Limit (dB)	16.7	17.0	10.0	10.0





Cable ID: 044

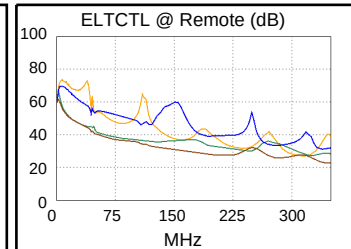
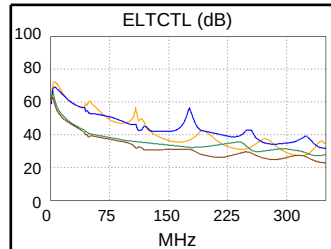
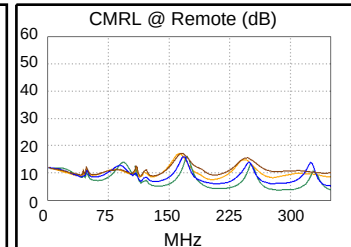
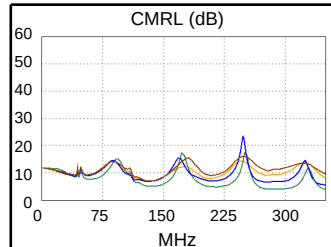
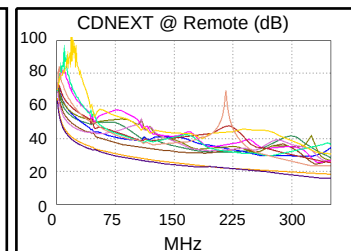
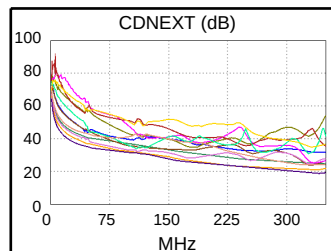
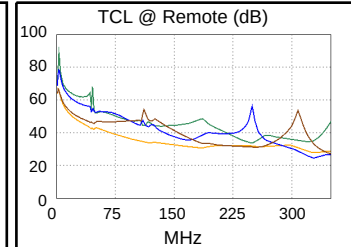
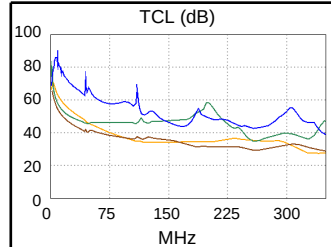
Date / Time: 06/23/2016 07:49:11 PM
Headroom -1.1 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel (+All)
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Worst Case Margin			Worst Case Value	
N/A	MAIN	SR	MAIN	SR
Worst Pair			12	45
TCL (dB)			27.3	24.4
Freq. (MHz)			332.0	329.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78-36	78-36
CDNEXT (dB)			18.5	15.6
Freq. (MHz)			331.0	336.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			36	36
CMRL (dB)			3.7	3.6
Freq. (MHz)			280.0	281.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			78	78
ELTCTL (dB)			22.9	22.7
Freq. (MHz)			347.0	345.0
Limit (dB)				





Cable ID: 045

Date / Time: 06/23/2016 07:54:42 PM

Headroom 7.2 dB (NEXT 45-78)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 45]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 45]	16.8
Insertion Loss Margin (dB)	[Pair 78]	43.9
Frequency (MHz)	[Pair 78]	451.0
Limit (dB)	[Pair 78]	46.6



10 ft

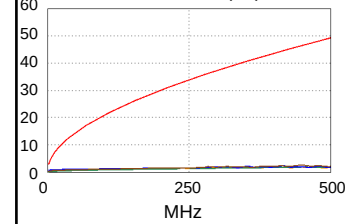


Wire Map (T568A)

PASS

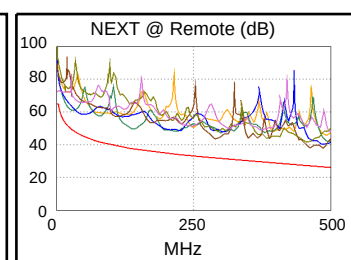
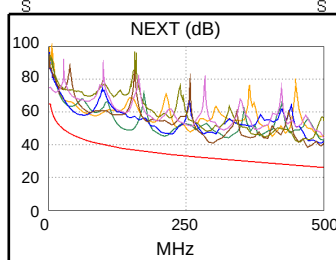


Insertion Loss (dB)

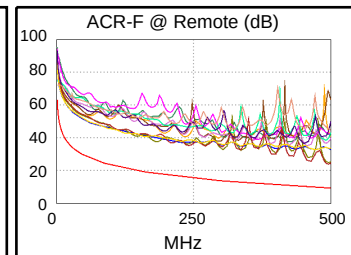
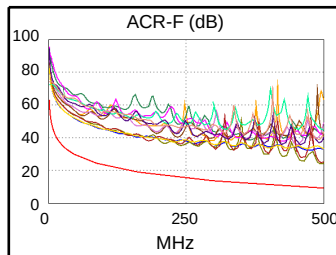


Worst Case Margin Worst Case Value

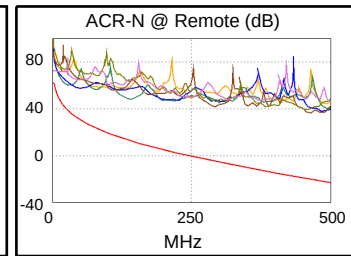
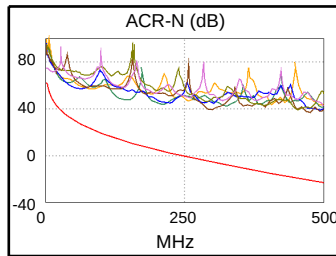
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	36-45
NEXT (dB)	9.0	7.2	11.1	11.5
Freq. (MHz)	298.0	1.0	474.0	486.0
Limit (dB)	31.8	65.0	26.7	26.4
Worst Pair	45	45	36	36
PS NEXT (dB)	11.1	9.9	12.7	12.2
Freq. (MHz)	298.0	2.8	474.0	458.0
Limit (dB)	28.8	62.0	23.8	24.2



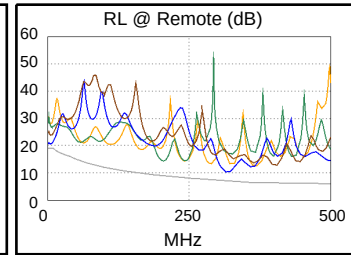
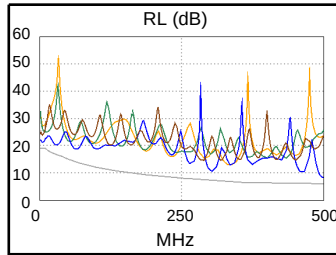
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	14.6	14.5	14.7	14.6
Freq. (MHz)	495.0	495.0	496.0	496.0
Limit (dB)	9.4	9.4	9.3	9.3
Worst Pair	78	45	45	36
PS ACR-F (dB)	11.7	11.5	17.5	17.6
Freq. (MHz)	1.0	1.0	496.0	496.0
Limit (dB)	60.3	60.3	6.3	6.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	12.5	10.0	57.1	58.0
Freq. (MHz)	1.8	1.0	474.0	486.0
Limit (dB)	62.0	62.0	-21.2	-22.1
Worst Pair	45	45	36	36
PS ACR-N (dB)	15.0	12.5	59.0	57.4
Freq. (MHz)	1.8	1.0	474.0	458.0
Limit (dB)	59.0	59.0	-24.0	-22.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	2.1	1.5	2.2	3.1
Freq. (MHz)	4.9	3.6	500.0	317.0
Limit (dB)	19.0	19.0	6.0	7.0



Compliant Network Standards:

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

Cable ID: 046

Date / Time: 06/23/2016 08:01:10 PM

Headroom -18.5 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	56
Prop. Delay (ns), Limit 498	[Pair 36]	85
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	7.3
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	230.5
Limit (dB)	[Pair 36]	29.7



56 ft

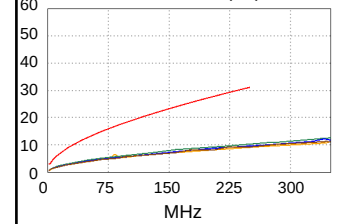


Wire Map (T568A)

PASS



Insertion Loss (dB)



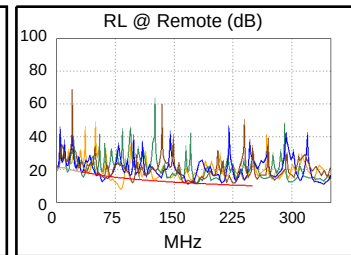
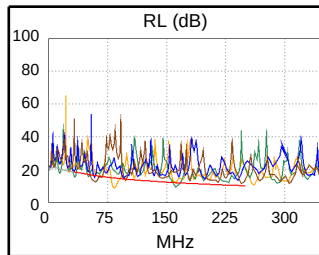
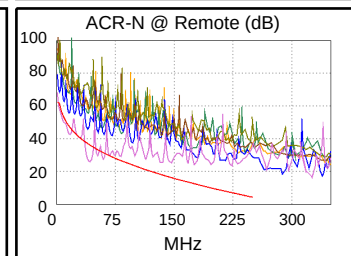
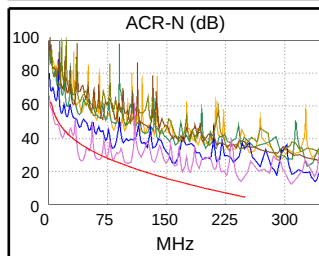
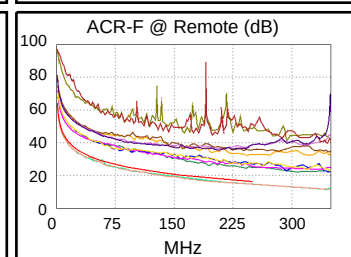
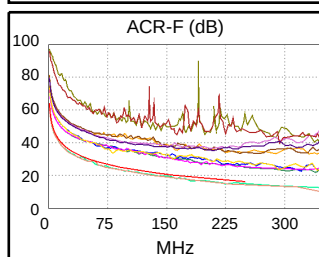
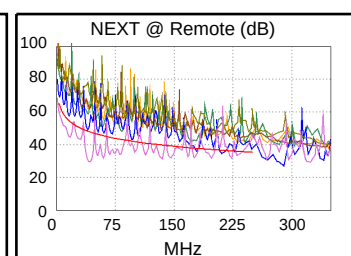
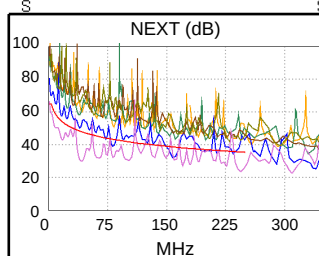
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-18.2 F	-18.5 F	-12.0	-18.5
Freq. (MHz)	41.8	42.3	244.5	42.3
Limit (dB)	48.0	47.9	35.5	47.9
Worst Pair	45	45	78	45
PS NEXT (dB)	-15.7 F	-16.1 F	-9.5	-16.0
Freq. (MHz)	42.0	42.0	244.5	42.3
Limit (dB)	45.5	45.5	32.9	45.4

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	45-78
ACR-F (dB)	-2.9 F	-2.5 F	-2.9	-2.3
Freq. (MHz)	238.5	227.0	238.5	237.5
Limit (dB)	16.6	17.1	16.6	16.7
Worst Pair	45	45	45	78
PS ACR-F (dB)	-0.2 F	0.2*	-0.1	0.5
Freq. (MHz)	238.0	227.0	238.5	237.5
Limit (dB)	13.7	14.1	13.6	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-10.1	-10.3	9.2	15.2
Freq. (MHz)	41.0	42.3	244.5	223.0
Limit (dB)	36.6	36.2	4.8	7.0
Worst Pair	45	45	78	78
PS ACR-N (dB)	-7.8	-8.1	11.7	17.2
Freq. (MHz)	41.5	41.5	244.5	223.0
Limit (dB)	34.0	34.0	2.2	4.4

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-6.2 F	-6.9 F	-6.2	-6.8
Freq. (MHz)	84.0	82.0	84.0	82.3
Limit (dB)	14.8	14.9	14.8	14.8



* Measurement is within the accuracy limits of the instrument.

Cable ID: 047

Date / Time: 06/23/2016 08:02:23 PM

Headroom -18.6 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

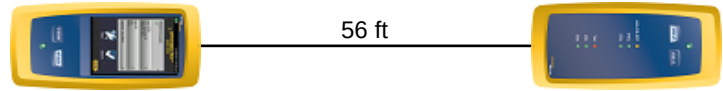
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	56
Prop. Delay (ns), Limit 498	[Pair 36]	85
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	7.3
Insertion Loss Margin (dB)	[Pair 36]	19.3
Frequency (MHz)	[Pair 36]	230.0
Limit (dB)	[Pair 36]	29.6

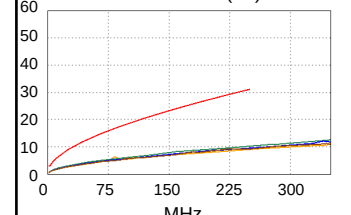


Wire Map (T568A)

PASS

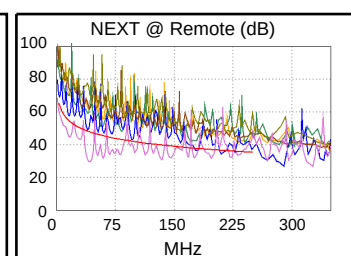
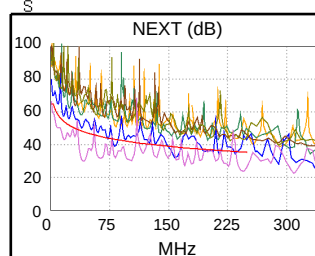


Insertion Loss (dB)

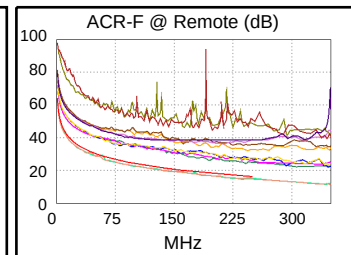
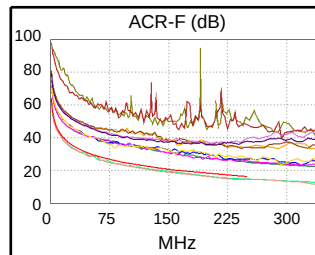


Worst Case Margin Worst Case Value

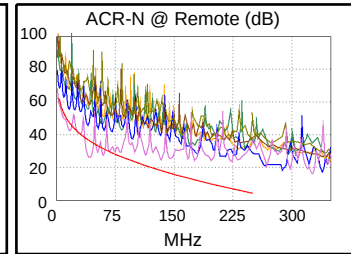
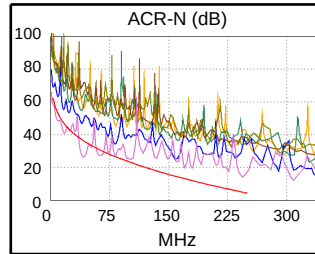
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-18.2 F	-18.6 F	-12.0	-18.4
Freq. (MHz)	41.8	41.8	244.5	42.5
Limit (dB)	48.0	48.0	35.5	47.8
Worst Pair	45	45	78	45
PS NEXT (dB)	-15.8 F	-16.1 F	-9.5	-16.0
Freq. (MHz)	41.3	42.0	244.5	42.5
Limit (dB)	45.6	45.5	32.9	45.4



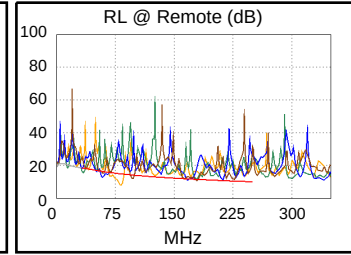
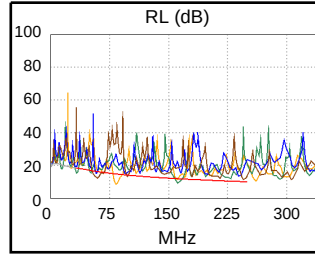
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	45-78
ACR-F (dB)	-2.9 F	-2.5 F	-2.8	-2.3
Freq. (MHz)	238.0	227.0	239.0	238.0
Limit (dB)	16.7	17.1	16.6	16.7
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.2 F	0.2*	-0.2	0.6
Freq. (MHz)	238.0	227.0	238.0	240.0
Limit (dB)	13.7	14.1	13.7	13.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-10.1	-10.4	9.3	15.2
Freq. (MHz)	41.3	41.8	244.5	223.0
Limit (dB)	36.5	36.4	4.8	7.0
Worst Pair	45	45	45	78
PS ACR-N (dB)	-7.8	-8.1	11.8	17.2
Freq. (MHz)	41.3	41.8	244.5	223.0
Limit (dB)	34.1	33.9	2.2	4.4



FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-6.2 F	-7.0 F	-6.2	-6.9
Freq. (MHz)	84.0	82.0	84.0	82.3
Limit (dB)	14.8	14.9	14.8	14.8



* Measurement is within the accuracy limits of the instrument.

Cable ID: 048

Date / Time: 06/23/2016 08:05:11 PM

Headroom -18.2 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

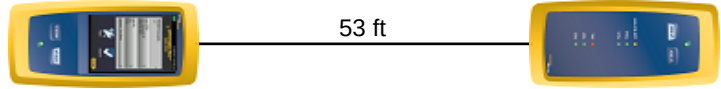
Main S/N: 2420012

Remote S/N: 2420016

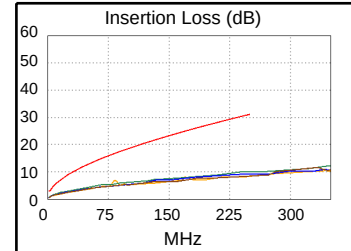
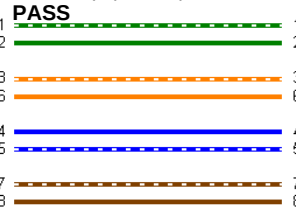
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	53
Prop. Delay (ns), Limit 498	[Pair 36]	80
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	6.9
Insertion Loss Margin (dB)	[Pair 36]	20.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6

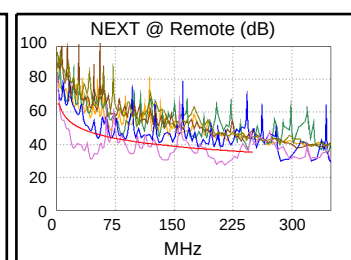
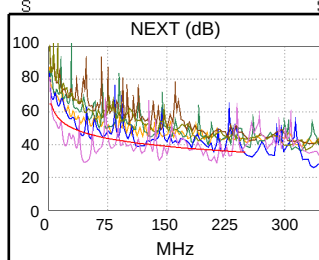


Wire Map (T568A)

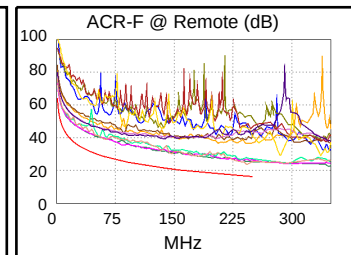
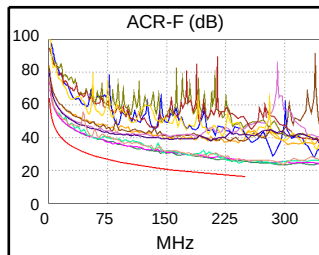


Worst Case Margin Worst Case Value

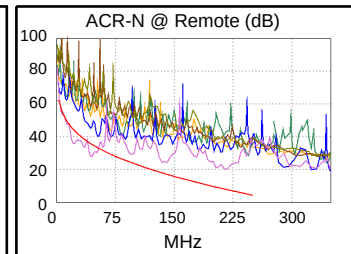
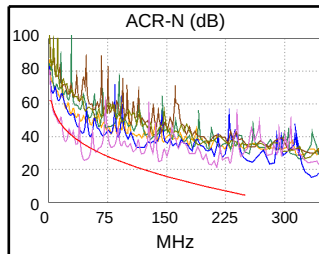
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-18.2 F	-16.6 F	-7.5	-8.8
Freq. (MHz)	45.5	44.3	213.5	215.0
Limit (dB)	47.4	47.6	36.5	36.4
Worst Pair	78	78	78	78
PS NEXT (dB)	-15.9 F	-14.2 F	-5.4	-6.4
Freq. (MHz)	45.0	44.3	213.0	214.5
Limit (dB)	45.0	45.1	33.9	33.8



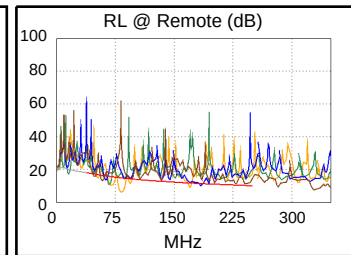
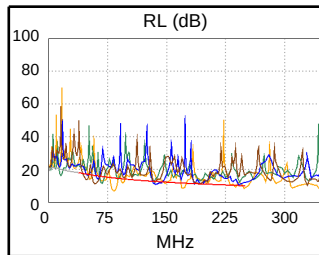
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	7.8	7.0	7.8	7.1
Freq. (MHz)	243.5	243.5	243.5	244.0
Limit (dB)	16.5	16.5	16.5	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	9.0	7.7	9.0	7.8
Freq. (MHz)	233.5	243.5	233.5	244.0
Limit (dB)	13.8	13.5	13.8	13.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.7	-8.7	13.3	12.1
Freq. (MHz)	45.0	21.5	213.5	215.5
Limit (dB)	35.4	44.4	8.1	7.8
Worst Pair	78	45	45	45
PS ACR-N (dB)	-7.3	-6.4	15.4	14.3
Freq. (MHz)	45.0	21.5	213.5	215.5
Limit (dB)	32.9	42.0	5.5	5.2



FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-7.9 F	-8.8 F	-7.9	-8.8
Freq. (MHz)	83.8	83.3	83.8	83.3
Limit (dB)	14.8	14.8	14.8	14.8



Cable ID: 049

Date / Time: 06/23/2016 08:08:43 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: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	19
Prop. Delay (ns), Limit 498	[Pair 45]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.3
Insertion Loss Margin (dB)	[Pair 36]	26.1
Frequency (MHz)	[Pair 36]	216.0
Limit (dB)	[Pair 36]	28.6



19 ft

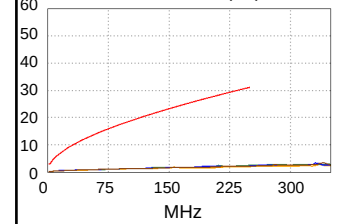


Wire Map (T568A)

PASS

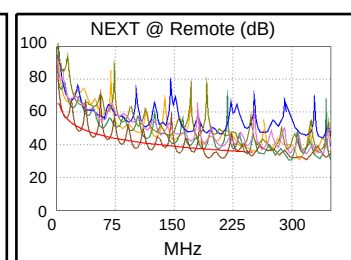
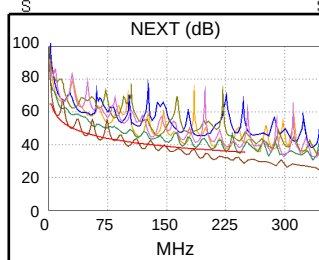


Insertion Loss (dB)

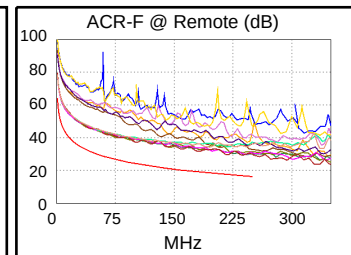
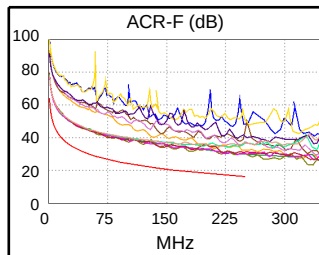


Worst Case Margin Worst Case Value

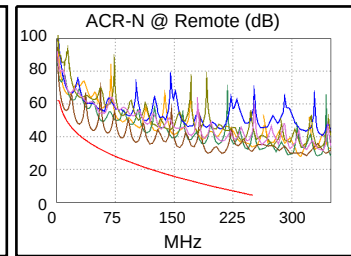
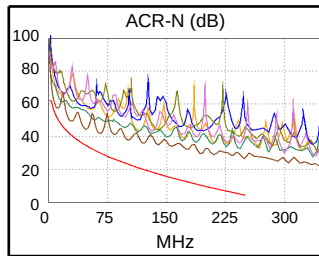
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	-6.9 F	-5.3 F	-6.8	-4.8
Freq. (MHz)	249.5	193.5	250.0	212.5
Limit (dB)	35.4	37.2	35.3	36.5
Worst Pair	36	45	36	45
PS NEXT (dB)	-4.5 F	-3.6 F	-4.5	-3.5
Freq. (MHz)	249.5	210.5	249.5	211.0
Limit (dB)	32.7	34.0	32.7	33.9



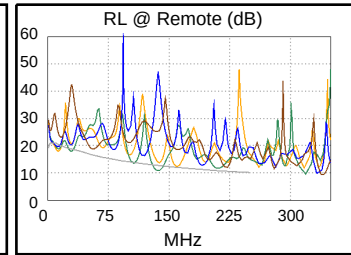
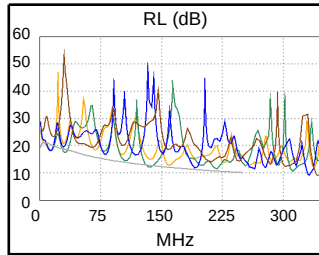
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-45	45-36
ACR-F (dB)	12.4	12.1	12.8	12.5
Freq. (MHz)	180.5	217.0	242.0	237.5
Limit (dB)	19.1	17.5	16.5	16.7
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.3	12.6	12.7	12.8
Freq. (MHz)	217.0	75.3	242.0	239.5
Limit (dB)	14.5	23.7	13.5	13.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	5.4	4.5	22.3	21.5
Freq. (MHz)	9.1	10.0	250.0	211.0
Limit (dB)	53.2	52.3	4.2	8.3
Worst Pair	36	36	36	45
PS ACR-N (dB)	7.4	6.6	24.1	22.8
Freq. (MHz)	8.6	9.9	249.5	211.0
Limit (dB)	51.4	50.1	1.7	5.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	12	36	36
RL (dB)	-2.4	-2.6	0.8	-1.8
Freq. (MHz)	12.9	12.3	218.0	138.0
Limit (dB)	20.5	20.6	10.6	12.6





Cable ID: 050

Date / Time: 06/23/2016 08:10:03 PM

Headroom 5.6 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	19
Prop. Delay (ns), Limit 498	[Pair 45]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.2
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



19 ft

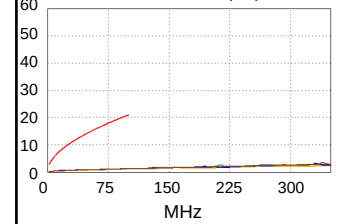


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

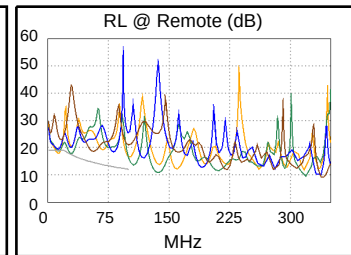
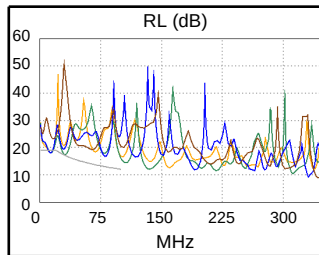
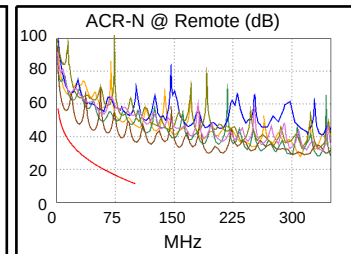
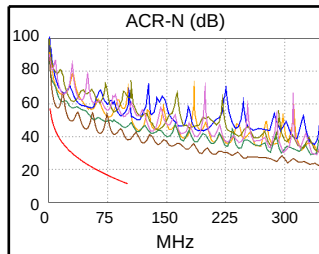
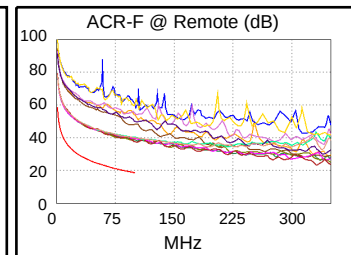
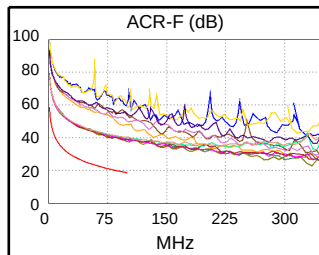
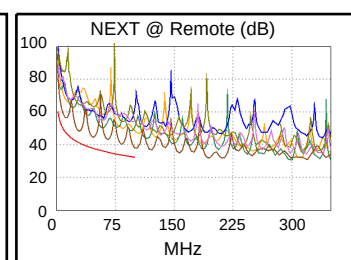
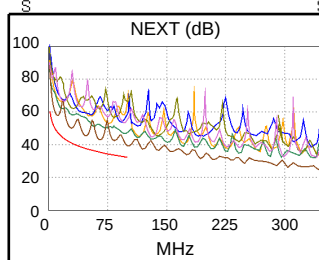
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.0	5.6	7.0	5.6
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	32.3	32.3	32.3	32.3
Worst Pair	45	36	45	36
PS NEXT (dB)	9.3	8.1	9.3	8.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	29.3	29.3	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	18.9	18.8	19.0	18.9
Freq. (MHz)	99.5	99.5	100.0	100.0
Limit (dB)	18.7	18.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.3	18.2	18.5	18.7
Freq. (MHz)	81.8	75.5	100.0	100.0
Limit (dB)	17.4	18.1	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	15.3	14.5	26.9	25.5
Freq. (MHz)	8.6	9.9	100.0	100.0
Limit (dB)	43.8	42.4	11.3	11.3
Worst Pair	45	36	45	36
PS ACR-N (dB)	18.0	17.2	29.2	27.9
Freq. (MHz)	8.6	9.3	100.0	100.0
Limit (dB)	40.8	40.1	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	12	36	36
RL (dB)	-1.0	-1.1	4.0	4.2
Freq. (MHz)	13.5	13.6	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 051

Date / Time: 06/23/2016 08:12:56 PM

Headroom 7.1 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

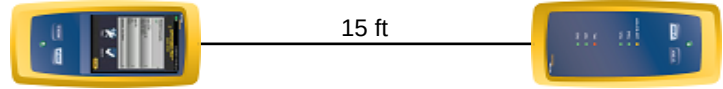
Main S/N: 2420012

Remote S/N: 2420016

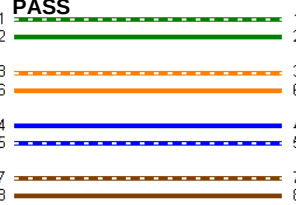
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

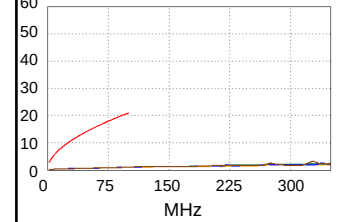
Length (ft), Limit 295	[Pair 36]	15
Prop. Delay (ns), Limit 498	[Pair 12]	23
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.1
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

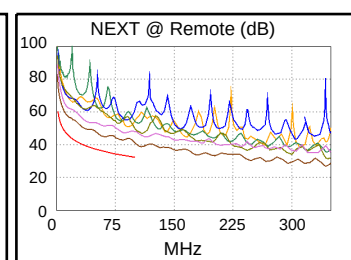
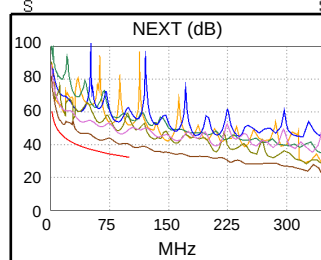


Insertion Loss (dB)

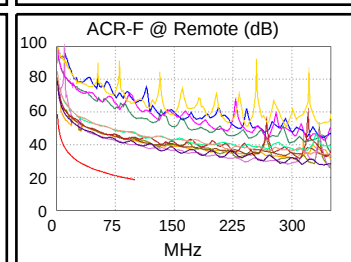
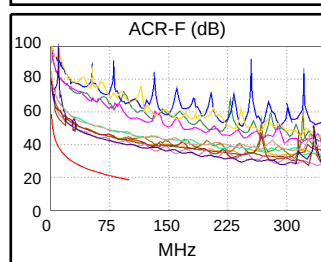


Worst Case Margin Worst Case Value

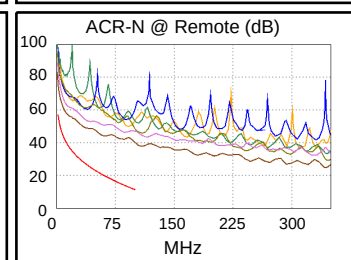
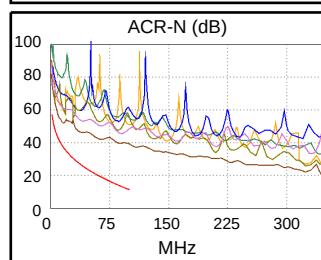
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.1	8.9	7.9	8.9
Freq. (MHz)	61.5	100.0	100.0	100.0
Limit (dB)	35.8	32.3	32.3	32.3
Worst Pair	36	45	45	45
PS NEXT (dB)	9.1	10.9	9.3	10.9
Freq. (MHz)	15.9	100.0	90.0	100.0
Limit (dB)	42.3	29.3	30.1	29.3



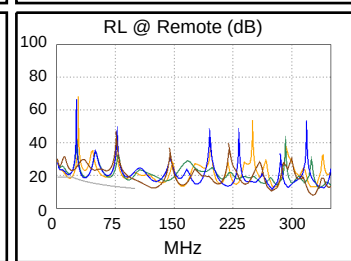
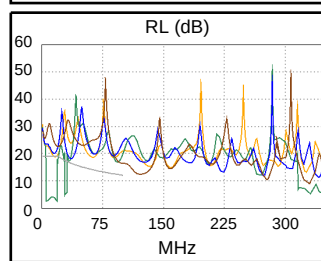
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	78-36	36-78
ACR-F (dB)	17.3	17.3	21.4	21.4
Freq. (MHz)	6.0	6.0	100.0	100.0
Limit (dB)	43.1	43.1	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.8	17.9	21.6	22.1
Freq. (MHz)	1.3	6.3	100.0	100.0
Limit (dB)	53.7	39.7	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	13.6	17.5	28.0	29.0
Freq. (MHz)	11.1	9.3	100.0	100.0
Limit (dB)	41.2	43.1	11.3	11.3
Worst Pair	36	45	45	45
PS ACR-N (dB)	16.1	19.4	28.2	31.0
Freq. (MHz)	11.1	9.3	90.0	100.0
Limit (dB)	38.2	40.1	10.3	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	36
RL (dB)	-16.6	-0.7	-16.6	5.0
Freq. (MHz)	5.6	17.0	5.6	93.0
Limit (dB)	19.0	19.0	19.0	12.3



Compliant Network Standards:
10BASE-T 100BASE-TX

Cable ID: 052

Date / Time: 06/23/2016 08:14:31 PM

Headroom -2.5 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

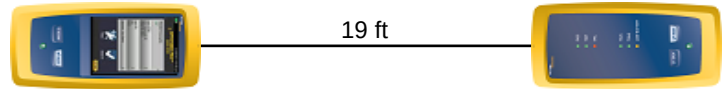
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	19
Prop. Delay (ns), Limit 498	[Pair 36]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.6
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

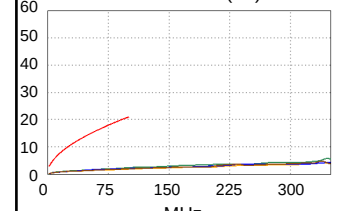


Wire Map (T568A)

PASS

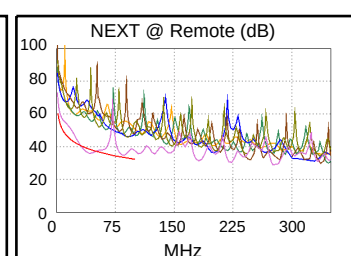
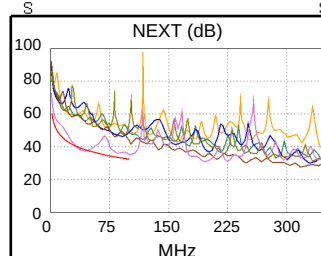


Insertion Loss (dB)

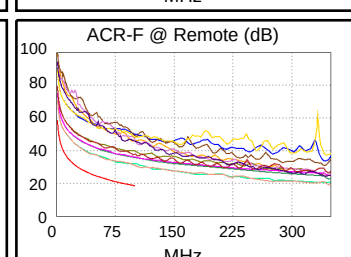
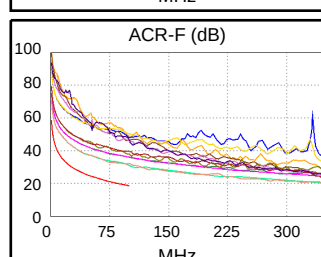


Worst Case Margin Worst Case Value

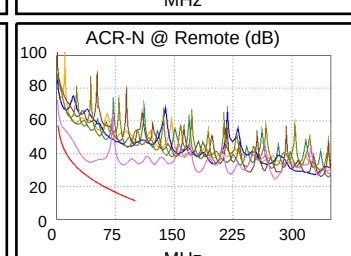
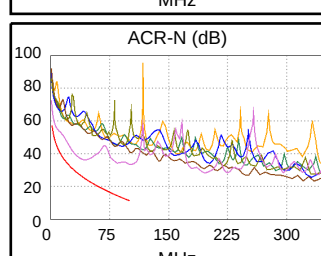
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.1 F	-2.5 F	2.9	1.5
Freq. (MHz)	42.0	42.0	100.0	86.0
Limit (dB)	38.5	38.5	32.3	33.4
Worst Pair	45	45	45	78
PS NEXT (dB)	1.7	0.5	5.2	4.0
Freq. (MHz)	42.0	42.0	100.0	86.0
Limit (dB)	35.5	35.5	29.3	30.4



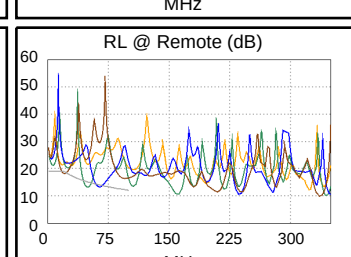
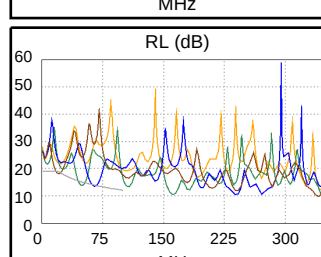
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	78-45
ACR-F (dB)	11.6	11.7	12.3	12.3
Freq. (MHz)	75.8	75.8	100.0	100.0
Limit (dB)	21.0	21.0	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.0	13.3	14.2	13.7
Freq. (MHz)	75.8	42.3	100.0	100.0
Limit (dB)	18.0	23.1	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	9.5	9.1	22.0	19.1
Freq. (MHz)	4.0	39.0	100.0	86.0
Limit (dB)	50.9	26.4	11.3	14.1
Worst Pair	78	45	45	78
PS ACR-N (dB)	12.2	12.0	24.3	21.6
Freq. (MHz)	4.0	39.0	100.0	86.0
Limit (dB)	47.9	23.4	8.3	11.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	36
RL (dB)	-1.4	-2.1	-0.3	-1.9
Freq. (MHz)	49.5	48.5	66.3	50.3
Limit (dB)	15.1	15.2	13.8	15.0



Cable ID: 053

Date / Time: 06/23/2016 08:18:17 PM

Headroom -5.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

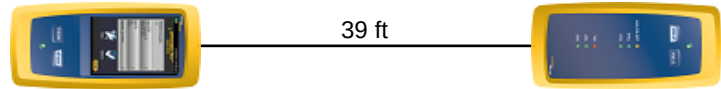
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	39
Prop. Delay (ns), Limit 498	[Pair 36]	59
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 12]	5.2
Insertion Loss Margin (dB)	[Pair 36]	16.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

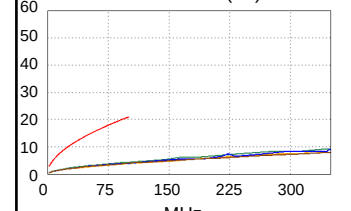


Wire Map (T568A)

PASS

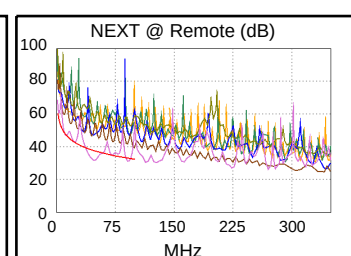
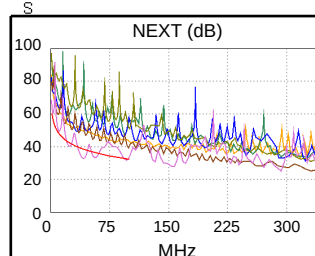


Insertion Loss (dB)

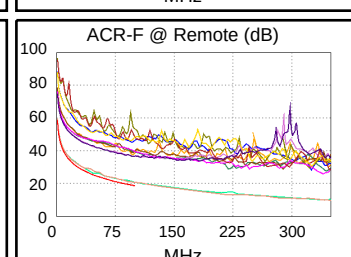
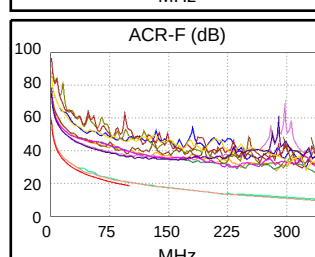


Worst Case Margin Worst Case Value

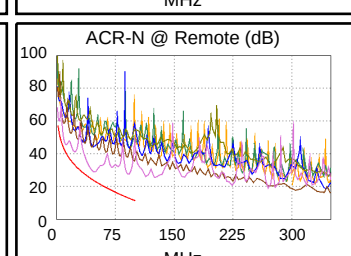
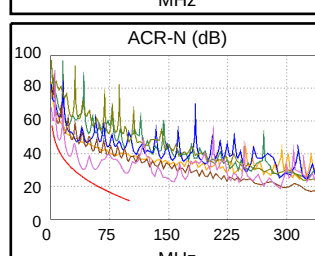
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.8 F	-5.9 F	-0.8	-1.8
Freq. (MHz)	41.3	47.8	96.5	91.8
Limit (dB)	38.6	37.6	32.6	32.9
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.8 F	-3.0 F	1.8	0.8
Freq. (MHz)	42.0	47.8	97.8	91.8
Limit (dB)	35.5	34.6	29.5	29.9



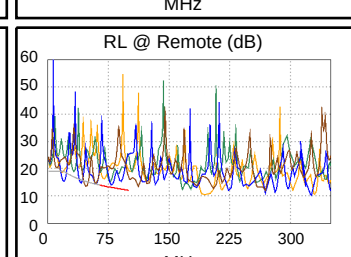
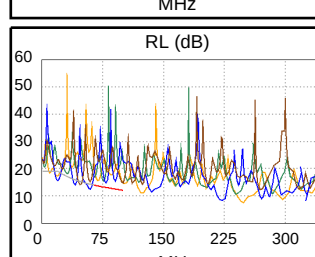
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-F (dB)	1.0	1.0	2.0	2.1
Freq. (MHz)	2.5	47.5	100.0	100.0
Limit (dB)	50.7	25.1	18.6	18.6
Worst Pair	45	45	78	45
PS ACR-F (dB)	3.9	3.9	4.9	5.0
Freq. (MHz)	1.8	2.5	100.0	100.0
Limit (dB)	50.8	47.7	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.7	4.7	16.0	14.5
Freq. (MHz)	40.8	10.8	96.5	91.8
Limit (dB)	25.8	41.6	12.0	12.9
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.5	7.5	18.8	17.0
Freq. (MHz)	41.3	10.8	97.8	91.8
Limit (dB)	22.6	38.6	8.7	9.9



FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-1.9 F	0.0*	-1.8	0.9
Freq. (MHz)	59.5	59.5	59.8	79.5
Limit (dB)	14.3	14.3	14.2	13.0



* Measurement is within the accuracy limits of the instrument.

Cable ID: 054

Date / Time: 06/23/2016 08:20:16 PM

Headroom -6.2 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

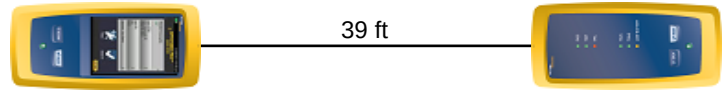
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	39
Prop. Delay (ns), Limit 498	[Pair 36]	59
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	5.1
Insertion Loss Margin (dB)	[Pair 36]	16.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

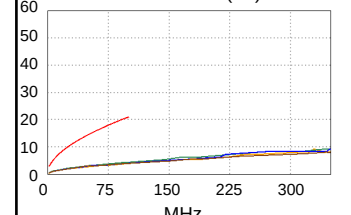


Wire Map (T568A)

PASS

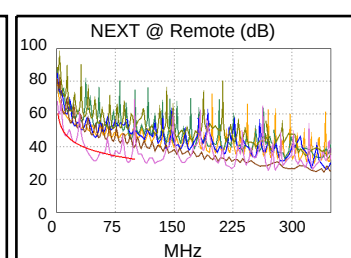
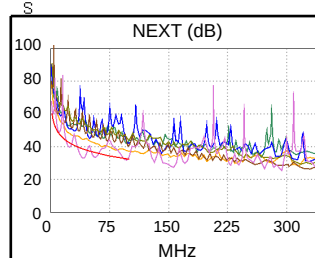


Insertion Loss (dB)

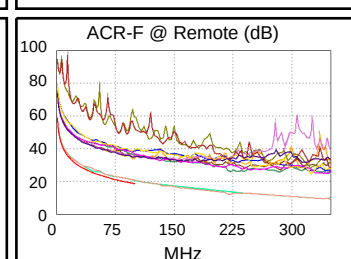
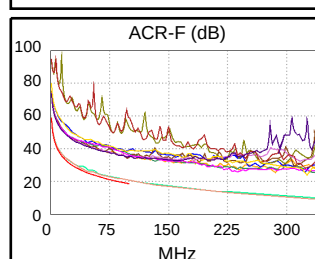


Worst Case Margin Worst Case Value

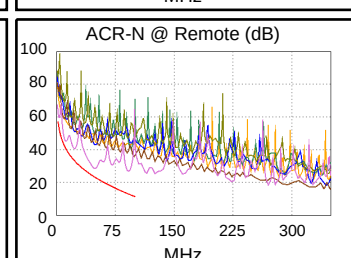
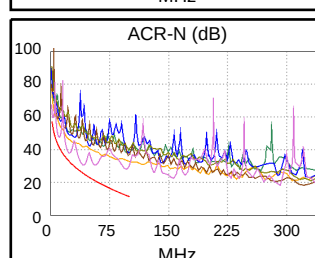
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.6 F	-6.2 F	-0.8	-2.4
Freq. (MHz)	41.3	48.3	95.8	92.0
Limit (dB)	38.6	37.5	32.6	32.9
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.7 F	-3.3 F	1.7	0.3
Freq. (MHz)	41.3	47.8	97.3	92.0
Limit (dB)	35.6	34.6	29.5	29.9



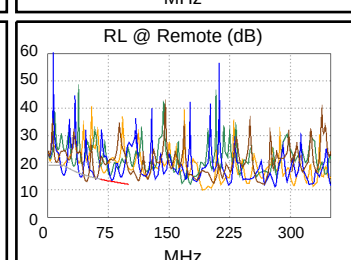
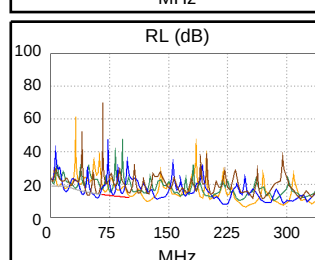
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-F (dB)	0.8	0.7	1.7	1.8
Freq. (MHz)	2.5	46.0	100.0	100.0
Limit (dB)	50.7	25.4	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	3.6	3.5	4.5	4.6
Freq. (MHz)	1.9	46.0	100.0	100.0
Limit (dB)	50.2	22.4	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.8	4.2	16.2	14.1
Freq. (MHz)	1.9	10.8	96.8	92.5
Limit (dB)	57.0	41.6	11.9	12.8
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.5	7.0	18.6	16.4
Freq. (MHz)	41.0	10.8	97.3	92.0
Limit (dB)	22.7	38.6	8.8	9.9



FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-2.6 F	-0.4 F	-2.5	0.4
Freq. (MHz)	59.5	59.5	59.8	80.0
Limit (dB)	14.3	14.3	14.2	13.0



Cable ID: 055

Date / Time: 06/23/2016 08:20:47 PM

Headroom -6.2 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

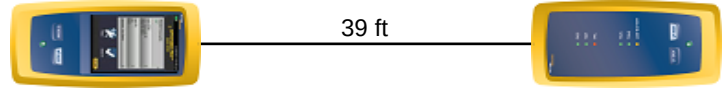
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	39
Prop. Delay (ns), Limit 498	[Pair 36]	59
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	5.2
Insertion Loss Margin (dB)	[Pair 36]	16.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

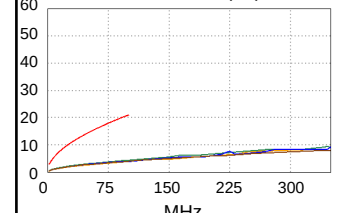


Wire Map (T568A)

PASS



Insertion Loss (dB)



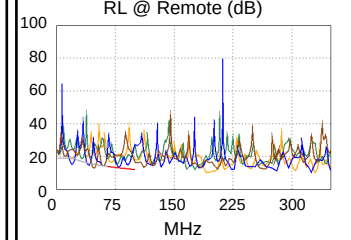
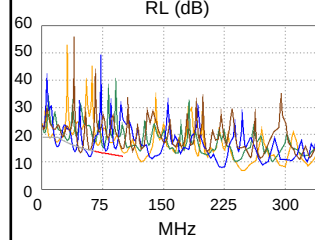
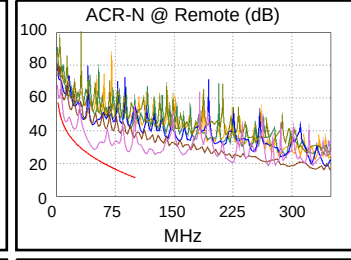
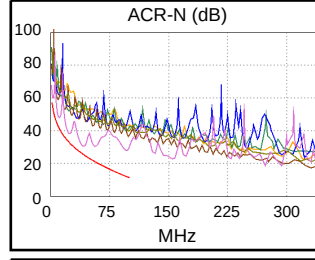
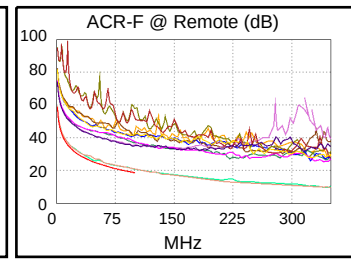
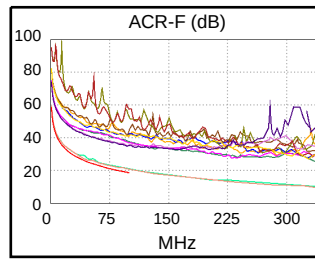
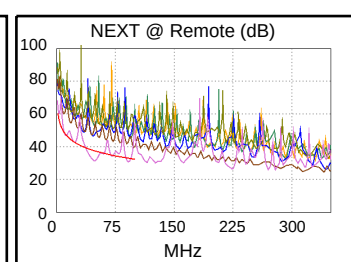
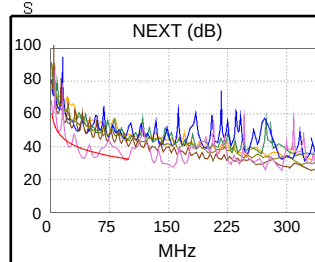
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.7 F	-6.2 F	-0.7	-2.1
Freq. (MHz)	41.8	47.8	96.8	92.3
Limit (dB)	38.5	37.6	32.5	32.9
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.7 F	-3.3 F	1.7	0.5
Freq. (MHz)	41.8	47.8	97.3	91.5
Limit (dB)	35.5	34.6	29.5	29.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-F (dB)	0.9	0.9	1.9	2.0
Freq. (MHz)	1.8	47.0	100.0	100.0
Limit (dB)	53.8	25.2	18.6	18.6
Worst Pair	78	45	78	78
PS ACR-F (dB)	3.7	3.8	4.8	4.9
Freq. (MHz)	1.8	1.8	100.0	100.0
Limit (dB)	50.8	50.8	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.8	4.5	16.1	14.3
Freq. (MHz)	41.0	10.8	96.8	92.3
Limit (dB)	25.7	41.6	11.9	12.8
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.5	7.3	18.6	16.6
Freq. (MHz)	41.0	10.8	97.3	91.5
Limit (dB)	22.7	38.6	8.8	10.0

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-2.5 F	-0.4 F	-2.4	0.5
Freq. (MHz)	59.5	59.5	59.8	80.0
Limit (dB)	14.3	14.3	14.2	13.0



Cable ID: 056

Date / Time: 06/24/2016 01:39:05 PM

Headroom -5.8 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

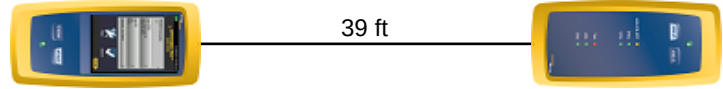
Main S/N: 2420012

Remote S/N: 2420016

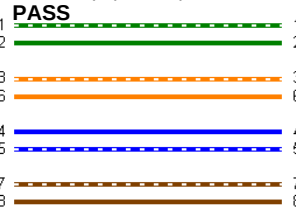
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

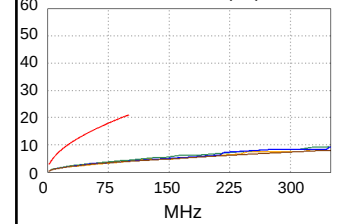
Length (ft), Limit 295	[Pair 78]	39
Prop. Delay (ns), Limit 498	[Pair 36]	59
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	5.3
Insertion Loss Margin (dB)	[Pair 36]	16.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)



Insertion Loss (dB)



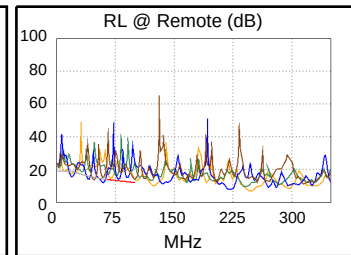
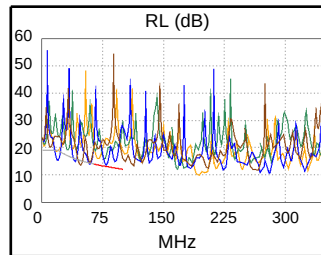
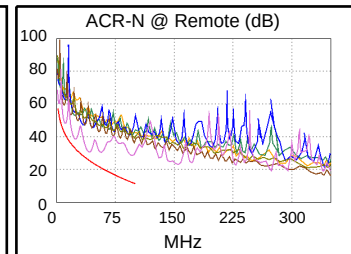
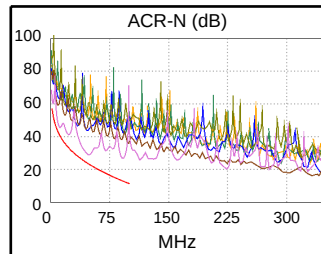
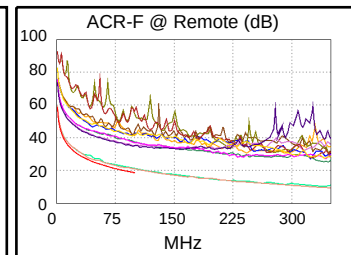
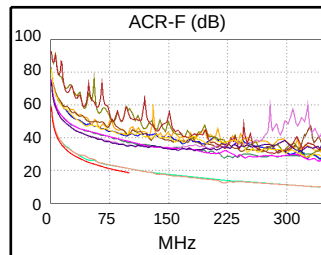
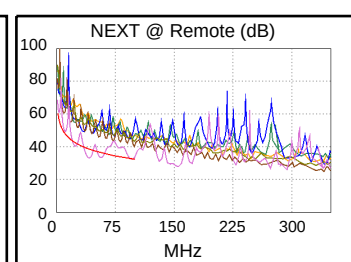
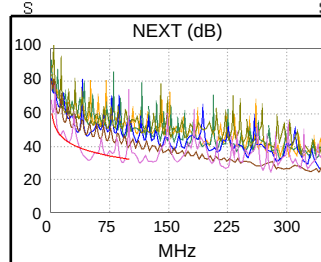
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.8 F	-5.6 F	-2.5	-0.1
Freq. (MHz)	48.3	40.8	92.3	97.0
Limit (dB)	37.5	38.7	32.9	32.5
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.9 F	-2.6 F	0.2	2.3
Freq. (MHz)	47.8	40.8	92.3	97.3
Limit (dB)	34.6	35.7	29.9	29.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	45-78
ACR-F (dB)	1.1	1.1	2.2	2.1
Freq. (MHz)	1.9	1.0	100.0	100.0
Limit (dB)	53.2	58.6	18.6	18.6
Worst Pair	78	45	45	78
PS ACR-F (dB)	3.9	4.0	5.1	5.0
Freq. (MHz)	1.9	1.0	100.0	100.0
Limit (dB)	50.2	55.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.6	4.9	13.9	16.8
Freq. (MHz)	10.8	40.8	92.3	97.3
Limit (dB)	41.6	25.8	12.8	11.8
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.4	7.7	16.5	19.2
Freq. (MHz)	10.8	41.0	92.3	97.3
Limit (dB)	38.6	22.7	9.8	8.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-0.5 F	-2.4 F	0.6	-2.4
Freq. (MHz)	59.5	59.5	79.5	59.5
Limit (dB)	14.3	14.3	13.0	14.3



Cable ID: 057

Date / Time: 06/24/2016 02:01:40 PM

Headroom -5.7 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	39
Prop. Delay (ns), Limit 498	[Pair 36]	58
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	5.2
Insertion Loss Margin (dB)	[Pair 36]	16.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



39 ft

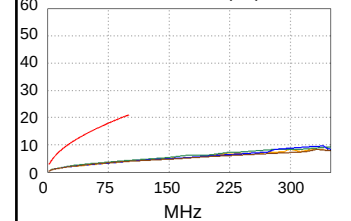


Wire Map (T568A)

PASS



Insertion Loss (dB)



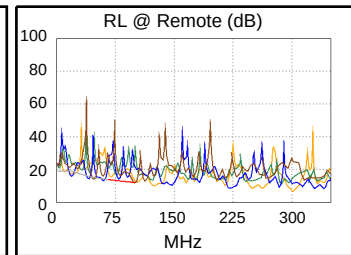
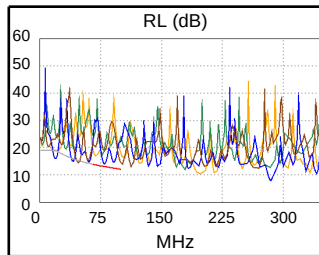
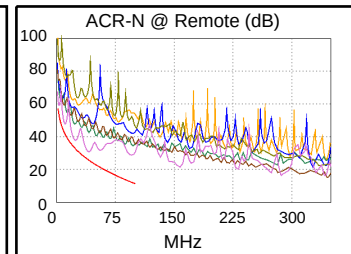
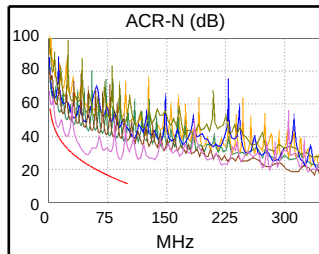
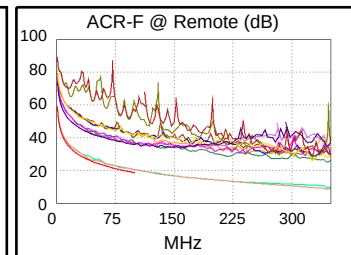
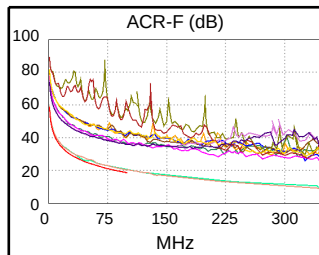
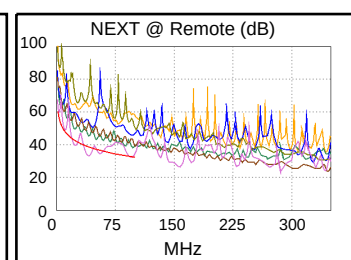
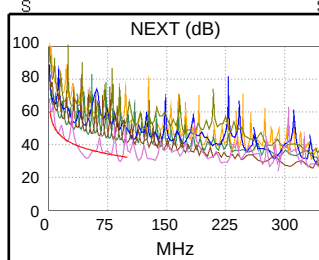
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.7 F	-5.5 F	-3.2	0.0
Freq. (MHz)	47.8	40.8	91.3	96.0
Limit (dB)	37.6	38.7	33.0	32.6
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.9 F	-2.8 F	-0.4	1.9
Freq. (MHz)	47.8	40.8	91.3	97.3
Limit (dB)	34.6	35.7	30.0	29.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	45-78
ACR-F (dB)	0.7	0.6	1.6	1.5
Freq. (MHz)	46.0	41.5	100.0	100.0
Limit (dB)	25.4	26.3	18.6	18.6
Worst Pair	78	45	78	78
PS ACR-F (dB)	3.6	3.5	4.5	4.4
Freq. (MHz)	46.0	41.5	100.0	100.0
Limit (dB)	22.4	23.3	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.7	4.8	13.2	16.8
Freq. (MHz)	10.6	2.4	91.3	96.5
Limit (dB)	41.7	55.3	13.0	12.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.4	7.4	15.8	18.8
Freq. (MHz)	10.6	23.1	91.3	97.3
Limit (dB)	38.7	30.1	10.0	8.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	78
RL (dB)	0.5*	-1.2 F	1.0	-0.2
Freq. (MHz)	61.0	60.0	80.0	100.0
Limit (dB)	14.2	14.2	13.0	12.0



* Measurement is within the accuracy limits of the instrument.

Cable ID: 058

Date / Time: 06/24/2016 02:04:09 PM

Headroom -5.5 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

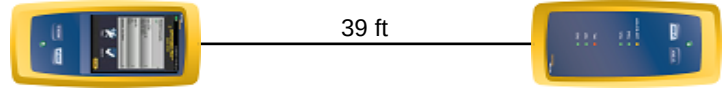
Main S/N: 2420012

Remote S/N: 2420016

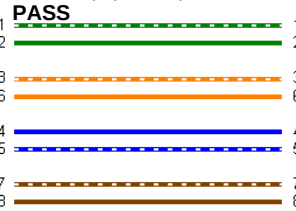
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

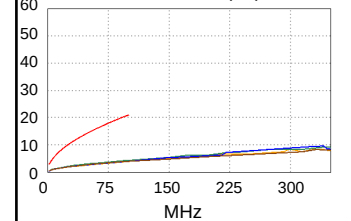
Length (ft), Limit 295	[Pair 12]	39
Prop. Delay (ns), Limit 498	[Pair 36]	58
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	5.1
Insertion Loss Margin (dB)	[Pair 36]	16.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

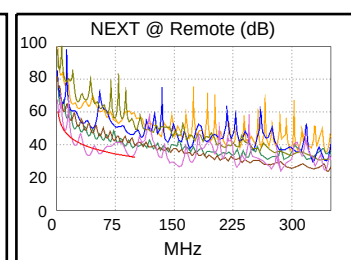
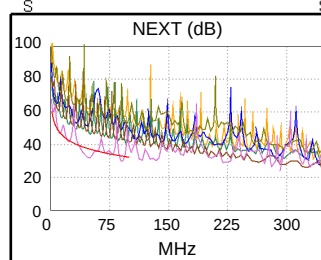


Insertion Loss (dB)

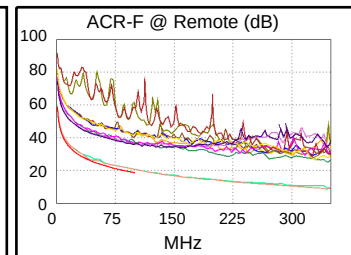
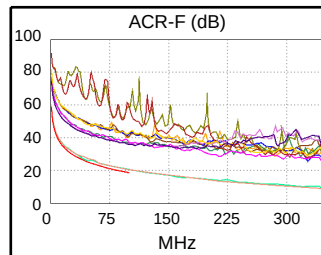


Worst Case Margin Worst Case Value

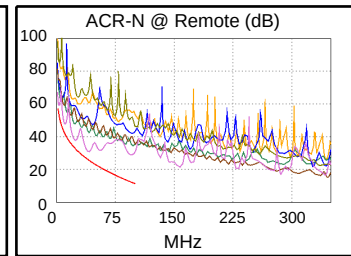
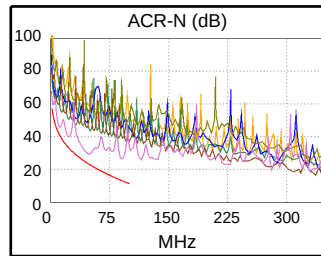
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.5 F	-5.5 F	-3.1	0.2
Freq. (MHz)	49.0	40.3	91.0	96.0
Limit (dB)	37.4	38.8	33.0	32.6
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.7 F	-2.8 F	-0.3	2.0
Freq. (MHz)	48.3	39.8	91.0	96.8
Limit (dB)	34.5	35.9	30.0	29.5



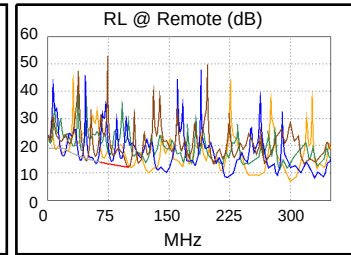
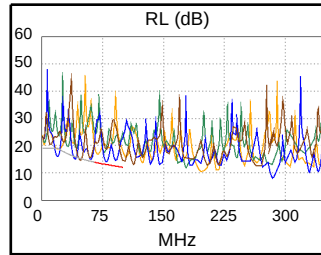
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	45-78
ACR-F (dB)	0.7	0.7	1.6	1.6
Freq. (MHz)	45.5	43.3	100.0	100.0
Limit (dB)	25.5	25.9	18.6	18.6
Worst Pair	78	45	78	78
PS ACR-F (dB)	3.6	3.6	4.5	4.5
Freq. (MHz)	45.5	43.3	100.0	100.0
Limit (dB)	22.5	22.9	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.7	4.7	13.2	16.8
Freq. (MHz)	10.9	2.3	91.0	96.0
Limit (dB)	41.4	55.7	13.1	12.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.4	7.2	15.8	18.8
Freq. (MHz)	10.8	2.1	91.0	96.8
Limit (dB)	38.6	53.1	10.1	8.9



FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	78
RL (dB)	0.6*	-0.9 F	0.9	-0.1
Freq. (MHz)	60.8	59.5	79.8	100.0
Limit (dB)	14.2	14.3	13.0	12.0



* Measurement is within the accuracy limits of the instrument.

Cable ID: 059

Date / Time: 06/24/2016 02:26:54 PM

Headroom -5.8 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

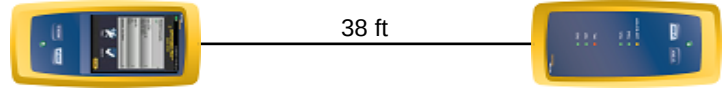
Main S/N: 2420012

Remote S/N: 2420016

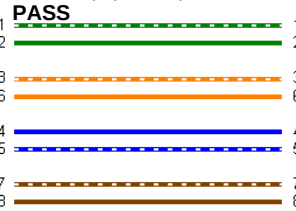
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

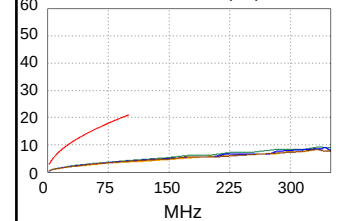
Length (ft), Limit 295	[Pair 12]	38
Prop. Delay (ns), Limit 498	[Pair 36]	57
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	5.2
Insertion Loss Margin (dB)	[Pair 36]	16.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

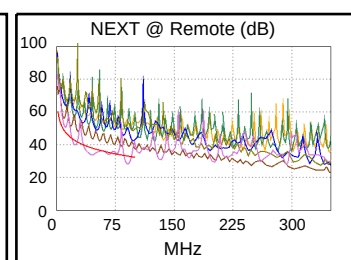
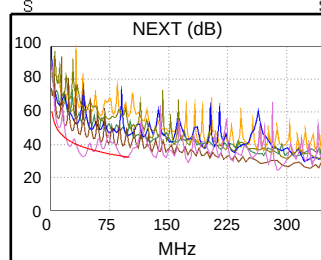


Insertion Loss (dB)

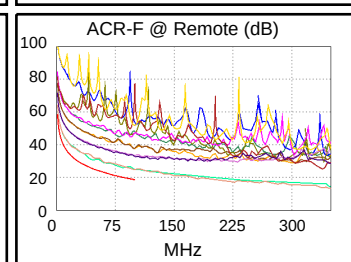
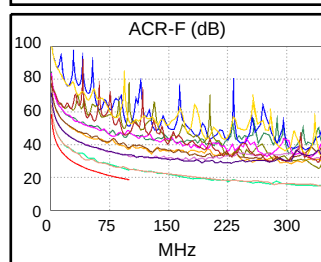


Worst Case Margin Worst Case Value

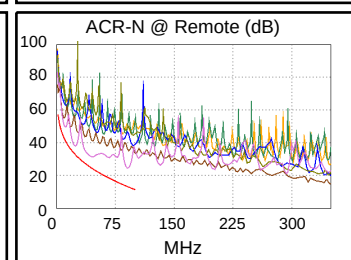
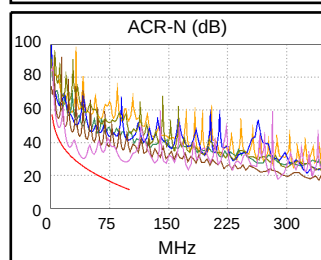
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.8 F	-4.8 F	-0.4	-4.8
Freq. (MHz)	41.3	91.0	95.5	91.0
Limit (dB)	38.6	33.0	32.6	33.0
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.8 F	-2.1 F	1.6	-2.1
Freq. (MHz)	41.3	91.0	93.5	91.0
Limit (dB)	35.6	30.0	29.8	30.0



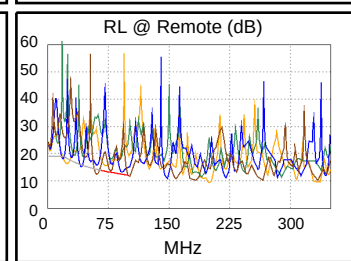
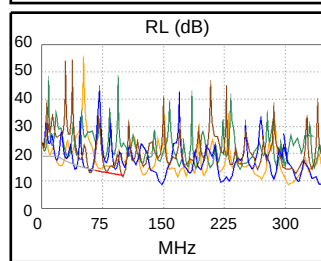
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	45-78
ACR-F (dB)	5.1	5.2	6.0	6.2
Freq. (MHz)	44.3	44.3	99.8	100.0
Limit (dB)	25.7	25.7	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	8.0	7.7	8.4	8.7
Freq. (MHz)	1.1	44.3	99.8	100.0
Limit (dB)	54.6	22.7	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.6	5.0	16.5	11.4
Freq. (MHz)	23.8	22.4	97.0	91.0
Limit (dB)	32.8	33.5	11.9	13.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.5	7.8	17.9	14.0
Freq. (MHz)	41.0	22.4	93.5	91.0
Limit (dB)	22.7	30.5	9.6	10.1



FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-1.4 F	-1.8 F	-0.6	-0.4
Freq. (MHz)	60.0	61.0	100.0	100.0
Limit (dB)	14.2	14.2	12.0	12.0



Cable ID: 060

Date / Time: 06/24/2016 02:27:25 PM

Headroom -5.8 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

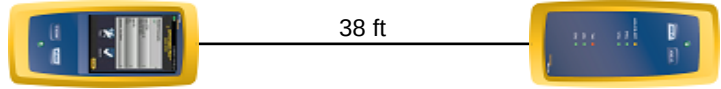
Main S/N: 2420012

Remote S/N: 2420016

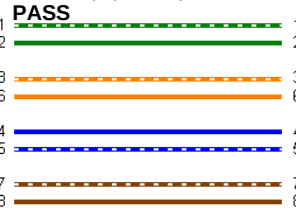
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

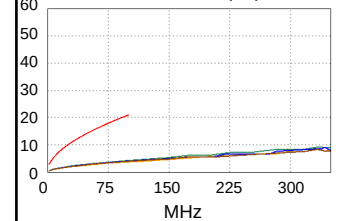
Length (ft), Limit 295	[Pair 12]	38
Prop. Delay (ns), Limit 498	[Pair 36]	57
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	5.1
Insertion Loss Margin (dB)	[Pair 36]	16.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

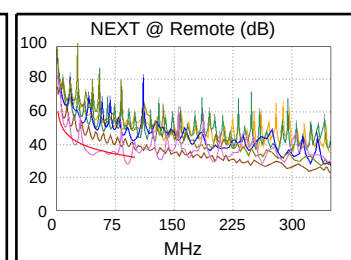
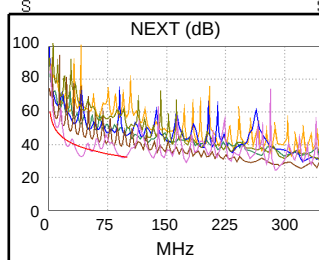


Insertion Loss (dB)

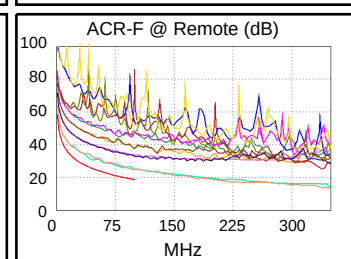
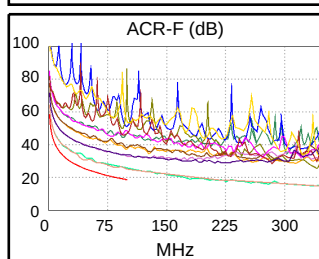


Worst Case Margin Worst Case Value

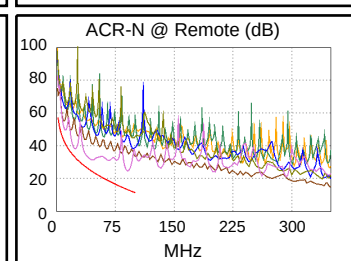
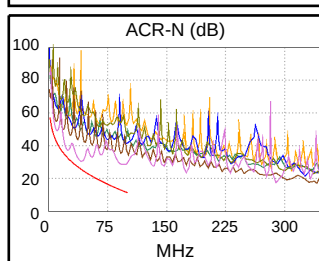
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.8 F	-4.8 F	-0.4	-4.8
Freq. (MHz)	41.3	90.8	95.5	90.8
Limit (dB)	38.6	33.0	32.6	33.0
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.8 F	-2.1 F	1.6	-2.1
Freq. (MHz)	41.3	90.8	93.5	90.8
Limit (dB)	35.6	30.0	29.8	30.0



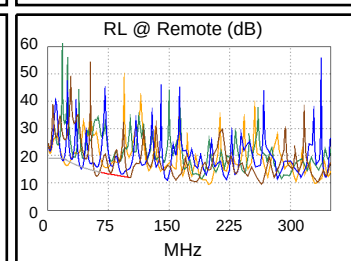
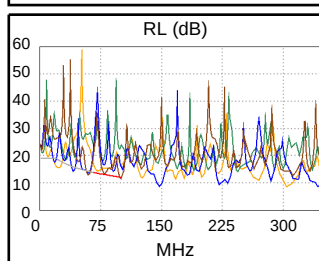
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	45-78
ACR-F (dB)	5.1	5.2	6.0	6.2
Freq. (MHz)	44.8	44.8	99.8	100.0
Limit (dB)	25.6	25.6	18.6	18.6
Worst Pair	45	78	78	78
PS ACR-F (dB)	8.1	7.7	8.4	8.7
Freq. (MHz)	44.8	44.8	99.8	100.0
Limit (dB)	22.6	22.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	4.6	5.1	16.5	11.4
Freq. (MHz)	23.9	22.9	97.0	90.8
Limit (dB)	32.7	33.2	11.9	13.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	7.5	7.9	17.9	14.2
Freq. (MHz)	41.0	23.3	93.5	91.8
Limit (dB)	22.7	30.0	9.6	9.9



FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-1.4 F	-1.8 F	-0.6	-0.3
Freq. (MHz)	60.3	61.0	100.0	100.0
Limit (dB)	14.2	14.2	12.0	12.0





Cable ID: 061

Date / Time: 06/24/2016 02:52:24 PM

Headroom 2.3 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

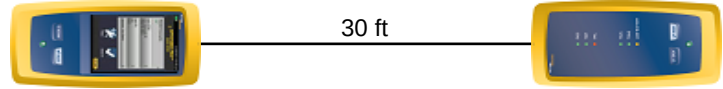
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

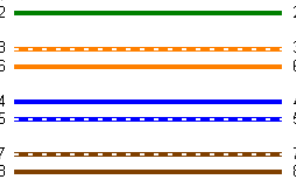
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	30
Prop. Delay (ns), Limit 498	[Pair 45]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	3.8
Insertion Loss Margin (dB)	[Pair 78]	19.0
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	21.0

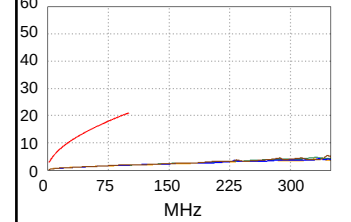


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

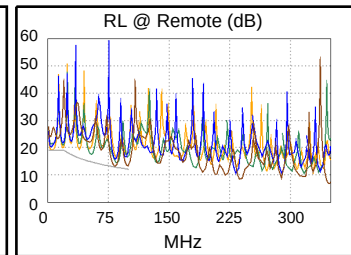
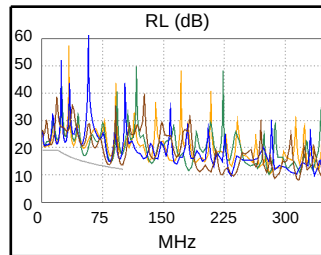
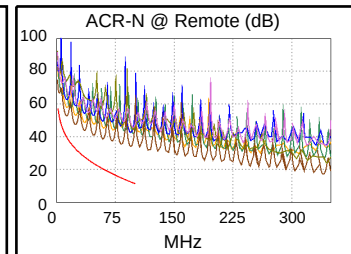
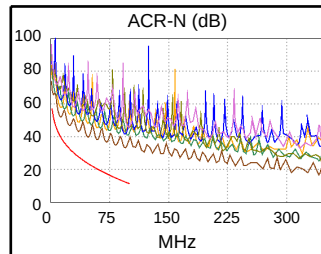
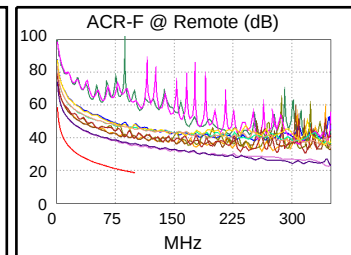
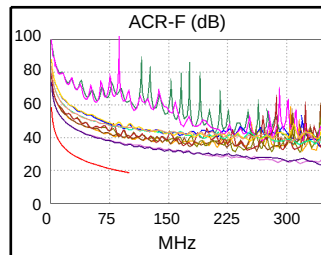
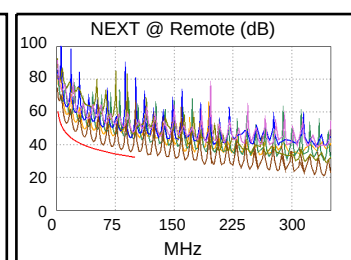
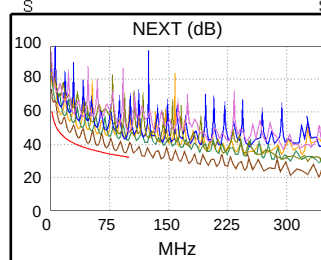
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.3	3.1	2.3	3.1
Freq. (MHz)	95.0	95.0	95.0	95.0
Limit (dB)	32.7	32.7	32.7	32.7
Worst Pair	45	36	45	36
PS NEXT (dB)	4.8	5.4	4.8	5.4
Freq. (MHz)	95.0	95.3	95.0	95.3
Limit (dB)	29.7	29.7	29.7	29.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	78-36	36-78
ACR-F (dB)	15.8	15.8	16.4	16.4
Freq. (MHz)	2.5	2.5	95.3	96.5
Limit (dB)	50.7	50.7	19.0	18.9
Worst Pair	36	36	36	36
PS ACR-F (dB)	16.1	16.3	17.9	18.2
Freq. (MHz)	1.0	1.1	100.0	100.0
Limit (dB)	55.6	54.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	11.6	12.1	21.1	21.9
Freq. (MHz)	1.9	2.0	95.3	95.3
Limit (dB)	57.0	56.5	12.2	12.2
Worst Pair	36	36	45	36
PS ACR-N (dB)	13.7	14.3	23.6	24.2
Freq. (MHz)	11.5	11.5	95.5	95.3
Limit (dB)	37.9	37.9	9.2	9.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	78
RL (dB)	0.8	0.0	1.5	0.3
Freq. (MHz)	83.0	5.6	99.5	83.5
Limit (dB)	12.8	19.0	12.0	12.8

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 062

Date / Time: 06/24/2016 02:52:41 PM

Headroom 2.3 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

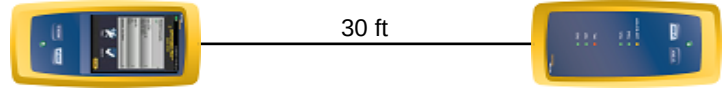
Main S/N: 2420012

Remote S/N: 2420016

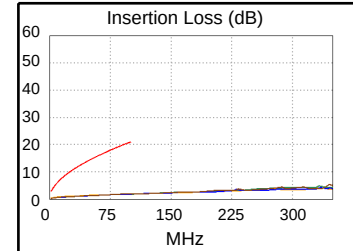
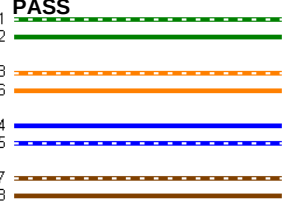
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	30
Prop. Delay (ns), Limit 498	[Pair 45]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	5.9
Insertion Loss Margin (dB)	[Pair 78]	19.0
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	21.0



Wire Map (T568A)



Worst Case Margin Worst Case Value

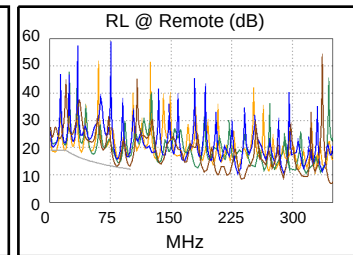
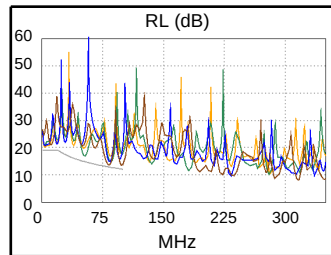
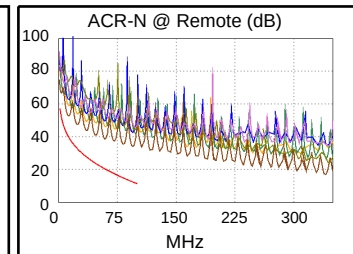
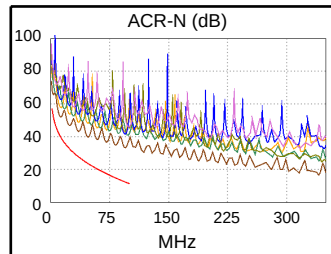
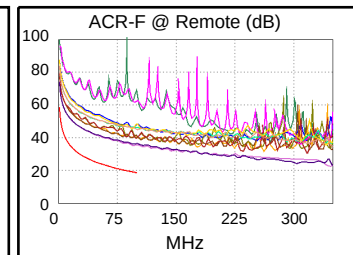
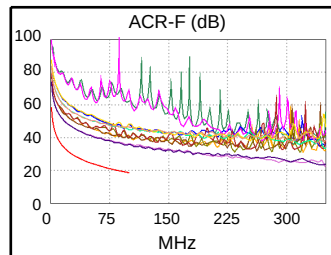
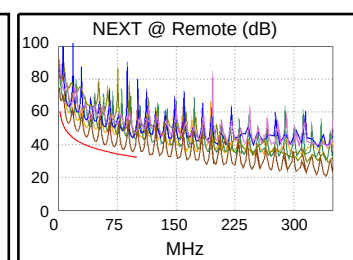
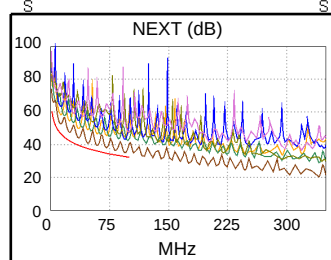
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.3	3.1	2.3	3.1
Freq. (MHz)	94.8	95.0	94.8	95.0
Limit (dB)	32.7	32.7	32.7	32.7
Worst Pair	36	36	36	36
PS NEXT (dB)	4.8	5.4	4.8	5.4
Freq. (MHz)	94.5	95.0	94.5	95.0
Limit (dB)	29.7	29.7	29.7	29.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	36-78
ACR-F (dB)	15.7	15.7	16.4	16.4
Freq. (MHz)	2.5	2.5	95.8	96.5
Limit (dB)	50.7	50.7	19.0	18.9
Worst Pair	36	36	36	36
PS ACR-F (dB)	16.2	16.3	17.9	18.2
Freq. (MHz)	1.1	1.1	99.8	100.0
Limit (dB)	54.6	54.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	11.6	11.9	21.1	21.9
Freq. (MHz)	1.9	1.9	95.3	95.3
Limit (dB)	57.0	57.0	12.2	12.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	13.7	14.3	23.4	24.1
Freq. (MHz)	11.5	1.9	94.5	95.0
Limit (dB)	37.9	54.0	9.4	9.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	78
RL (dB)	0.8	-0.9	1.3	0.3
Freq. (MHz)	83.3	6.8	99.0	83.5
Limit (dB)	12.8	19.0	12.1	12.8

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 063

Date / Time: 06/24/2016 03:15:44 PM

Headroom 11.5 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

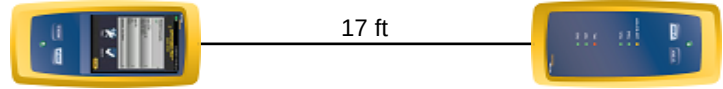
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	17
Prop. Delay (ns), Limit 498	[Pair 45]	26
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	6.1
Insertion Loss Margin (dB)	[Pair 12]	4.8
Frequency (MHz)	[Pair 12]	10.9
Limit (dB)	[Pair 12]	6.5

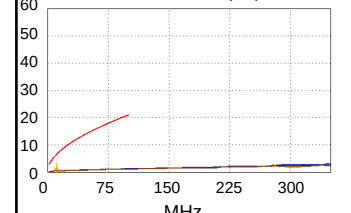


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

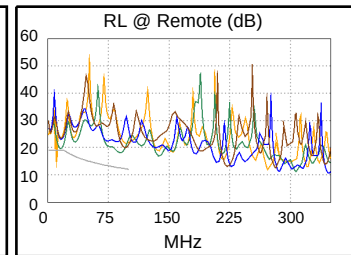
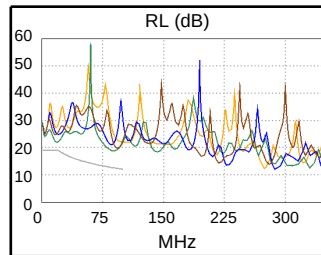
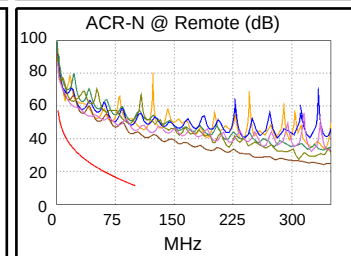
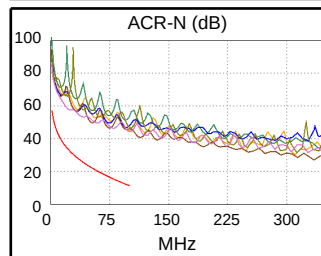
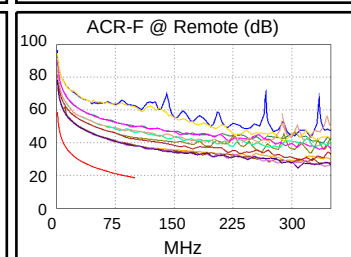
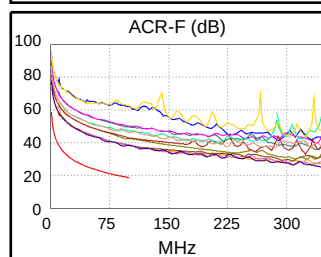
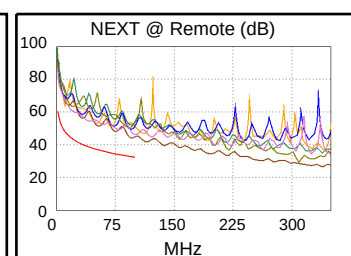
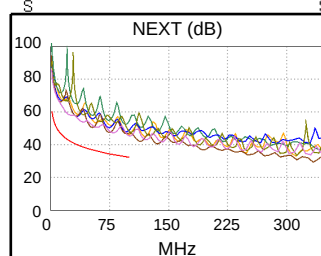
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	36-45
NEXT (dB)	13.1	11.5	13.1	11.7
Freq. (MHz)	75.0	95.3	100.0	96.8
Limit (dB)	34.4	32.7	32.3	32.5
Worst Pair	36	45	36	45
PS NEXT (dB)	12.9	12.5	13.0	12.6
Freq. (MHz)	99.0	97.8	99.8	98.3
Limit (dB)	29.4	29.5	29.3	29.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	36-78	78-36
ACR-F (dB)	18.6	18.7	19.5	19.4
Freq. (MHz)	90.8	90.8	100.0	100.0
Limit (dB)	19.5	19.5	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.6	18.5	19.0	19.0
Freq. (MHz)	91.8	1.1	100.0	100.0
Limit (dB)	16.4	54.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	36-45
ACR-N (dB)	23.8	20.3	33.0	31.2
Freq. (MHz)	3.0	10.9	100.0	96.8
Limit (dB)	53.3	41.4	11.3	11.9
Worst Pair	45	12	36	45
PS ACR-N (dB)	23.7	21.0	32.7	32.2
Freq. (MHz)	8.1	10.9	99.8	98.3
Limit (dB)	41.4	38.4	8.4	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	3.0	-4.2	6.3	-4.2
Freq. (MHz)	19.9	10.8	89.5	10.8
Limit (dB)	19.0	19.0	12.5	19.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 064

Date / Time: 06/24/2016 03:17:12 PM

Headroom 10.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

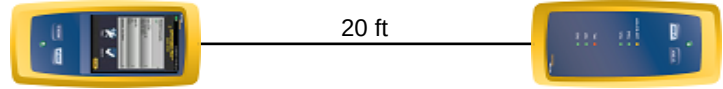
Main S/N: 2420012

Remote S/N: 2420016

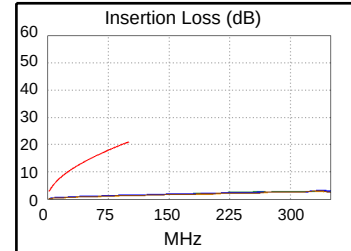
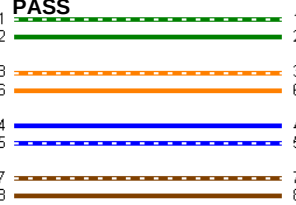
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	20
Prop. Delay (ns), Limit 498	[Pair 45]	30
Delay Skew (ns), Limit 44	[Pair 45]	1
Resistance (ohms)	[Pair 45]	5.1
Insertion Loss Margin (dB)	[Pair 45]	19.6
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0

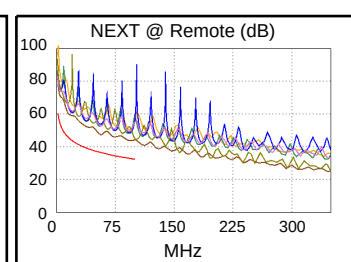
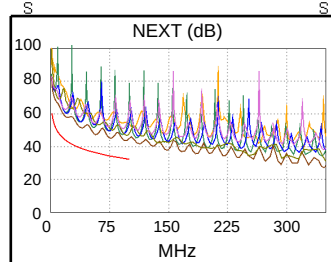


Wire Map (T568A)

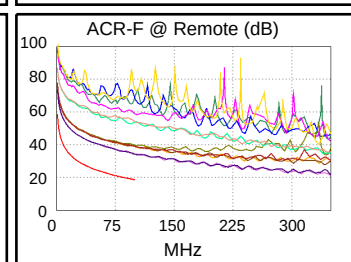
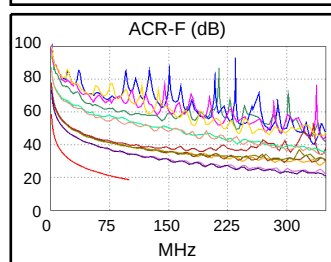


Worst Case Margin Worst Case Value

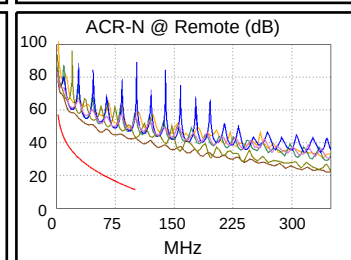
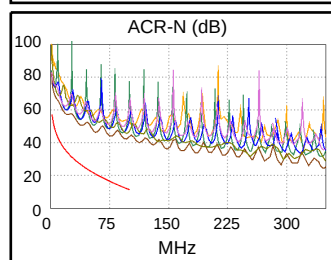
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	10.9	10.8	11.0	10.9
Freq. (MHz)	95.3	93.8	95.8	94.0
Limit (dB)	32.7	32.8	32.6	32.7
Worst Pair	45	45	36	36
PS NEXT (dB)	12.0	11.8	12.1	12.1
Freq. (MHz)	55.8	92.5	95.5	100.0
Limit (dB)	33.5	29.9	29.6	29.3



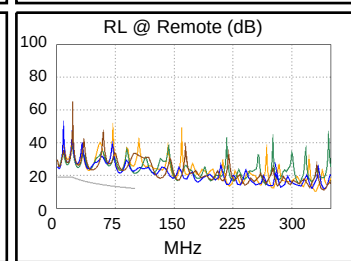
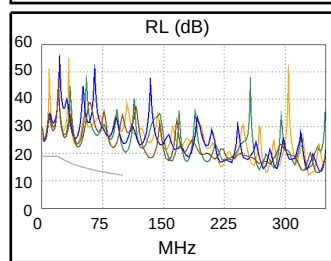
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	36-78
ACR-F (dB)	15.4	15.4	15.4	15.5
Freq. (MHz)	100.0	99.5	100.0	100.0
Limit (dB)	18.6	18.7	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	15.5	15.5	16.5	16.3
Freq. (MHz)	1.1	1.5	100.0	100.0
Limit (dB)	54.6	52.1	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	19.5	19.9	30.1	30.3
Freq. (MHz)	2.9	2.3	95.8	96.3
Limit (dB)	53.7	55.7	12.1	12.0
Worst Pair	45	45	36	36
PS ACR-N (dB)	20.0	19.8	31.3	31.8
Freq. (MHz)	1.9	2.1	95.5	100.0
Limit (dB)	54.0	53.1	9.2	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	36	36
RL (dB)	5.4	5.0	9.7	9.3
Freq. (MHz)	3.9	2.9	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0



Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 065

Date / Time: 06/24/2016 04:46:37 PM

Headroom 1.7 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	16
Prop. Delay (ns), Limit 498	[Pair 36]	24
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.3
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



16 ft

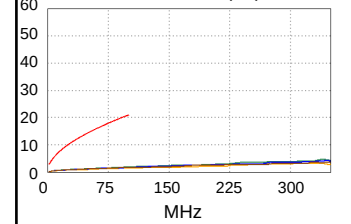


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

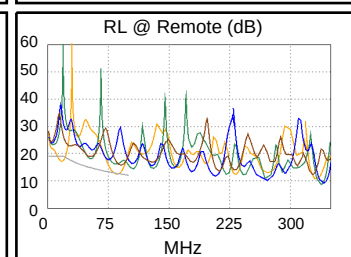
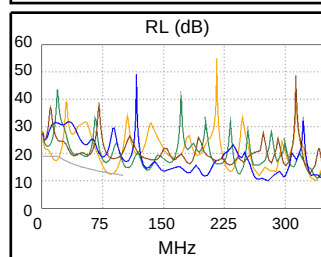
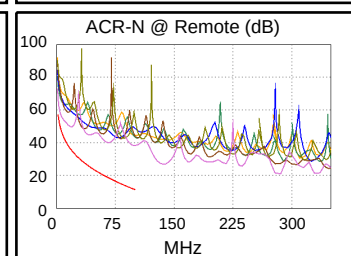
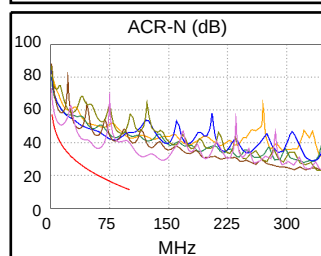
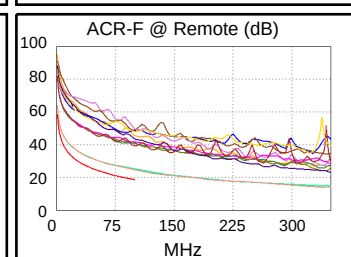
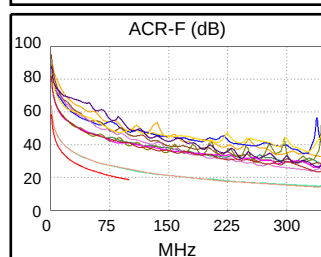
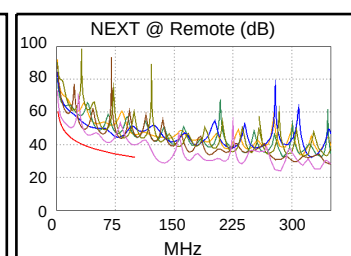
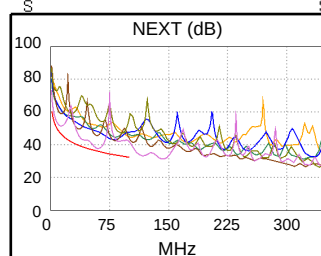
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	1.7	4.4	1.9	7.5
Freq. (MHz)	59.8	5.6	61.5	100.0
Limit (dB)	36.0	52.5	35.8	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	3.8	6.7	3.8	8.6
Freq. (MHz)	59.8	5.9	59.8	100.0
Limit (dB)	33.0	49.2	33.0	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	5.3	5.3	6.0	6.1
Freq. (MHz)	2.5	2.5	100.0	100.0
Limit (dB)	50.7	50.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	8.1	8.1	8.8	9.0
Freq. (MHz)	2.5	2.5	100.0	100.0
Limit (dB)	47.7	47.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	8.4	8.3	16.8	26.9
Freq. (MHz)	6.4	3.1	61.5	100.0
Limit (dB)	46.7	53.0	19.7	11.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	10.7	10.6	18.5	27.9
Freq. (MHz)	6.4	4.1	59.8	100.0
Limit (dB)	43.7	47.6	17.1	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-1.6	-1.9	-0.2	-0.2
Freq. (MHz)	18.0	17.5	86.5	86.8
Limit (dB)	19.0	19.0	12.6	12.6

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 066

Date / Time: 06/24/2016 06:02:03 PM

Headroom 7.6 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

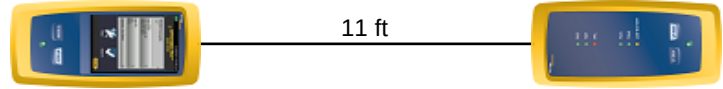
Main S/N: 2420012

Remote S/N: 2420016

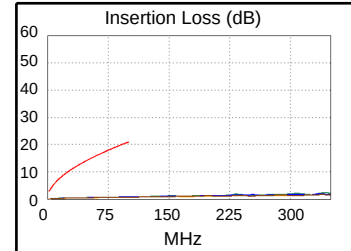
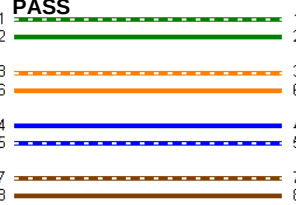
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 45]	17
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	0.8
Insertion Loss Margin (dB)	[Pair 36]	20.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)



Worst Case Margin Worst Case Value

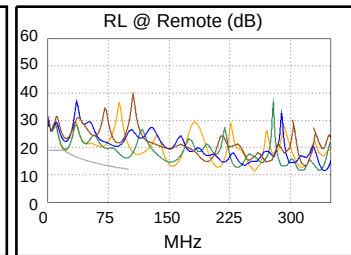
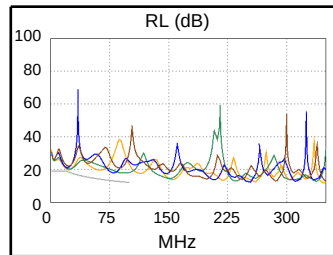
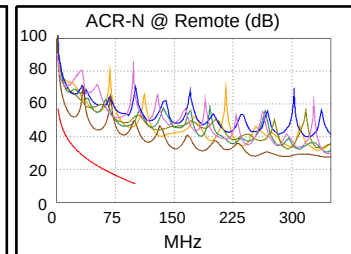
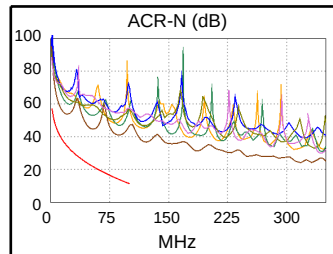
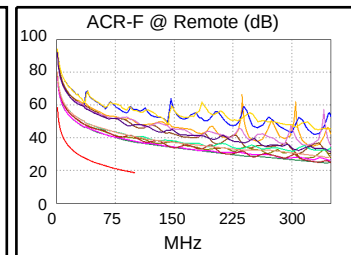
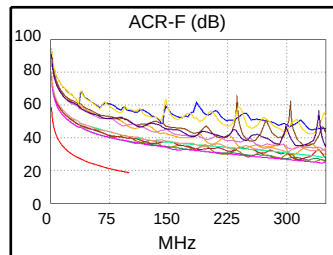
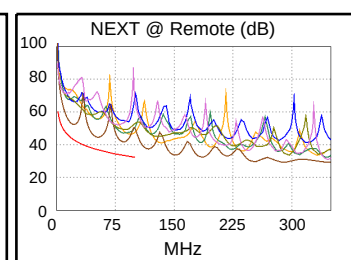
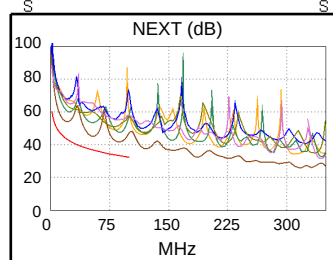
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.3	7.6	8.4	8.5
Freq. (MHz)	85.0	51.3	87.5	86.5
Limit (dB)	33.5	37.1	33.3	33.3
Worst Pair	36	36	45	36
PS NEXT (dB)	10.2	9.9	10.2	10.1
Freq. (MHz)	85.0	86.3	87.3	88.0
Limit (dB)	30.5	30.4	30.3	30.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	18.7	18.6	18.8	18.7
Freq. (MHz)	99.5	99.5	100.0	100.0
Limit (dB)	18.7	18.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.4	18.3	18.9	18.7
Freq. (MHz)	79.0	90.8	100.0	100.0
Limit (dB)	17.7	16.5	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	17.6	16.8	27.2	27.1
Freq. (MHz)	15.4	16.3	87.5	86.5
Limit (dB)	37.8	37.2	13.8	14.0
Worst Pair	45	36	45	36
PS ACR-N (dB)	19.9	19.5	29.0	28.9
Freq. (MHz)	15.4	15.5	87.3	88.0
Limit (dB)	34.8	34.7	10.8	10.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	36	36
RL (dB)	1.1	0.1	5.8	4.0
Freq. (MHz)	21.1	21.1	97.0	98.5
Limit (dB)	18.8	18.8	12.1	12.1

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 067

Date / Time: 06/24/2016 06:02:51 PM

Headroom 6.1 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	9
Prop. Delay (ns), Limit 498	[Pair 12]	13
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 45]	3.8
Insertion Loss Margin (dB)	[Pair 45]	20.2
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



9 ft

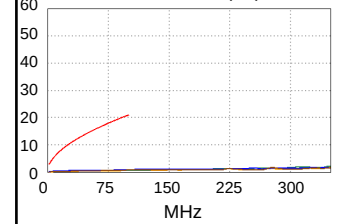


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

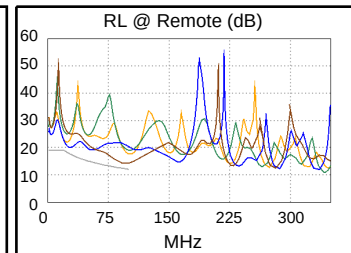
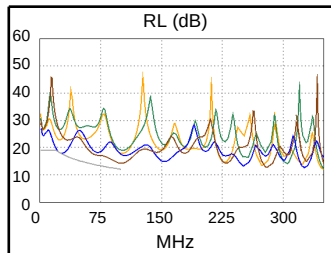
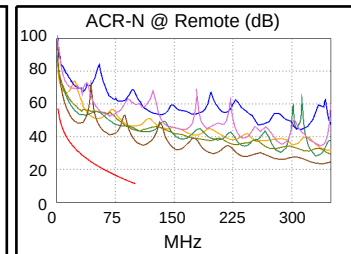
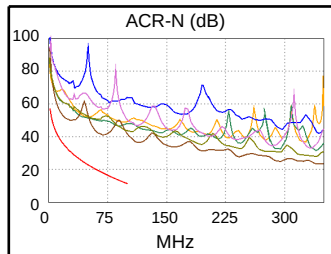
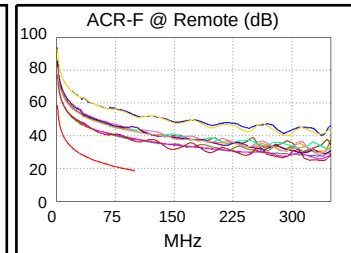
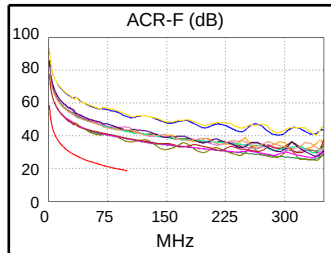
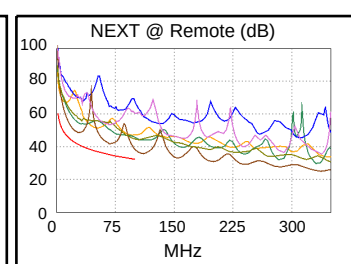
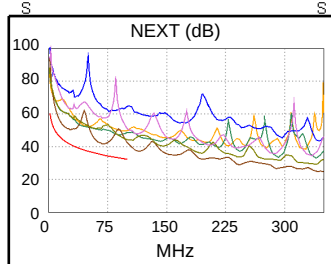
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.7	6.1	6.8	6.1
Freq. (MHz)	68.0	100.0	69.5	100.0
Limit (dB)	35.1	32.3	34.9	32.3
Worst Pair	36	36	36	36
PS NEXT (dB)	9.1	7.8	10.6	7.8
Freq. (MHz)	67.8	100.0	100.0	100.0
Limit (dB)	32.1	29.3	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	17.7	17.9	17.9	18.0
Freq. (MHz)	60.0	31.8	100.0	100.0
Limit (dB)	23.1	28.6	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.6	17.8	17.9	18.6
Freq. (MHz)	60.0	38.3	100.0	100.0
Limit (dB)	20.1	24.0	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.9	16.1	23.4	26.3
Freq. (MHz)	18.0	20.4	69.5	100.0
Limit (dB)	36.0	34.6	17.7	11.3
Worst Pair	45	45	36	36
PS ACR-N (dB)	19.1	18.2	30.9	28.1
Freq. (MHz)	15.6	19.9	100.0	100.0
Limit (dB)	34.6	31.9	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	78	78	78
RL (dB)	-0.1	1.8	2.2	2.2
Freq. (MHz)	24.9	92.3	100.0	99.5
Limit (dB)	18.1	12.4	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 068

Date / Time: 06/24/2016 06:04:40 PM

Headroom -14.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 78]	4198 F
Delay Skew (ns), Limit 44	[Pair 78]	4182 F
Resistance (ohms)	[Pair 78]	78.3
Insertion Loss Margin (dB)	[Pair 78]	-3.1 F
Frequency (MHz)	[Pair 78]	1.1
Limit (dB)	[Pair 78]	3.0



11 ft

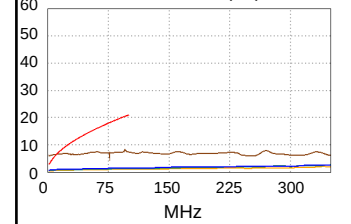


Wire Map (T568A)

PASS

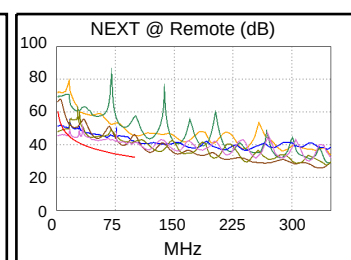
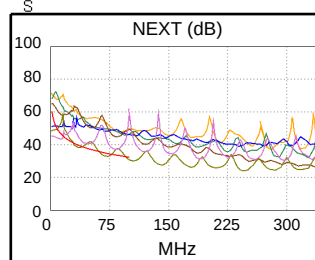


Insertion Loss (dB)

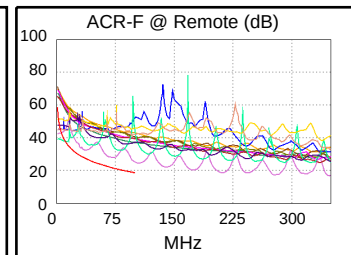
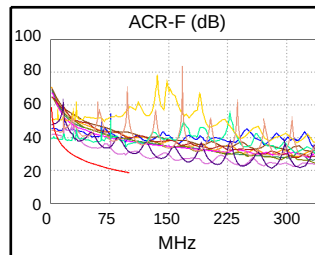


Worst Case Margin Worst Case Value

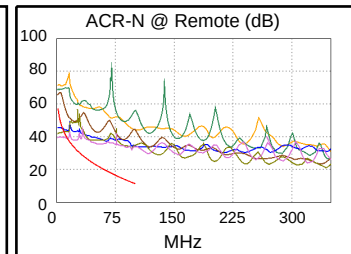
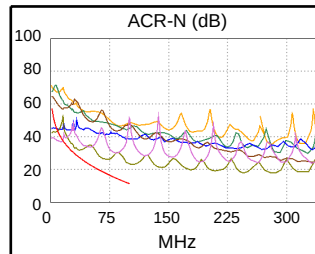
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-78	36-45
NEXT (dB)	-14.9 F	-14.6 F	-1.5	6.4
Freq. (MHz)	1.0	1.6	100.0	86.5
Limit (dB)	60.0	60.0	32.3	33.3
Worst Pair	78	78	36	78
PS NEXT (dB)	-14.3 F	-14.2 F	1.3	6.7
Freq. (MHz)	1.0	1.6	100.0	95.5
Limit (dB)	57.0	57.0	29.3	29.6



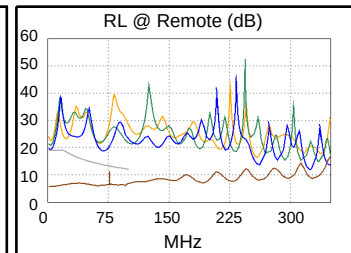
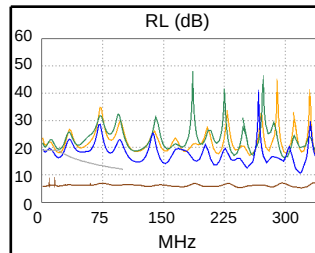
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-78	36-78
ACR-F (dB)	-19.3 F	-19.6 F	10.3	6.5
Freq. (MHz)	1.0	1.0	95.3	100.0
Limit (dB)	58.6	58.6	19.0	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	-18.8 F	-19.0 F	11.7	9.4
Freq. (MHz)	1.0	1.0	95.5	100.0
Limit (dB)	55.6	55.6	16.0	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-78	45-78
ACR-N (dB)	-18.0	-17.7	12.1	19.9
Freq. (MHz)	1.0	1.1	100.0	95.8
Limit (dB)	57.0	57.0	11.3	12.1
Worst Pair	78	78	78	78
PS ACR-N (dB)	-17.4	-17.3	15.0	18.9
Freq. (MHz)	1.0	1.1	100.0	95.5
Limit (dB)	54.0	54.0	8.3	9.2



FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-13.3 F	-13.4 F	-13.3	-13.4
Freq. (MHz)	4.1	6.1	4.1	6.1
Limit (dB)	19.0	19.0	19.0	19.0



Cable ID: 069

Date / Time: 06/24/2016 06:17:06 PM

Headroom -5.8 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

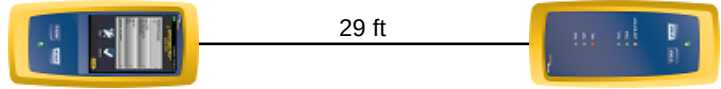
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	29
Prop. Delay (ns), Limit 498	[Pair 36]	44
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 12]	6.0
Insertion Loss Margin (dB)	[Pair 12]	17.6
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0

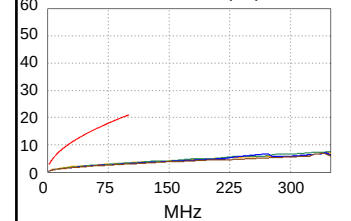


Wire Map (T568A)

PASS



Insertion Loss (dB)



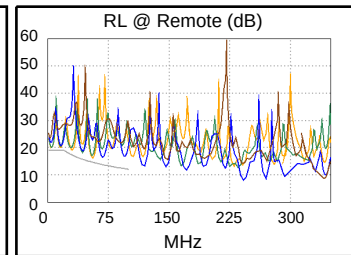
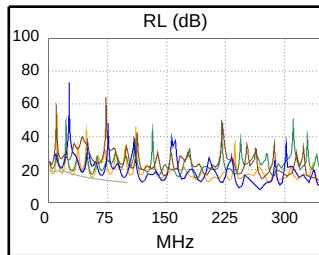
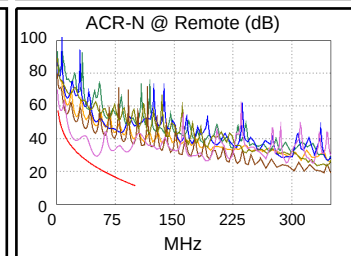
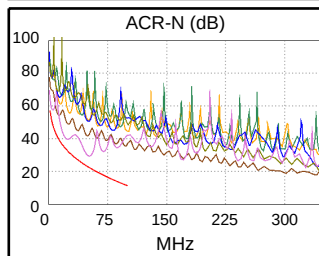
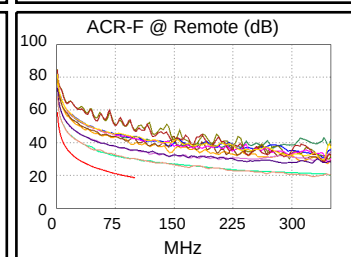
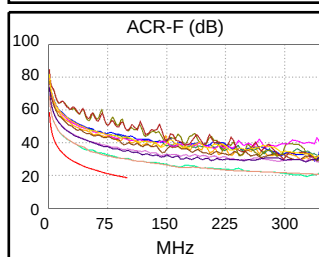
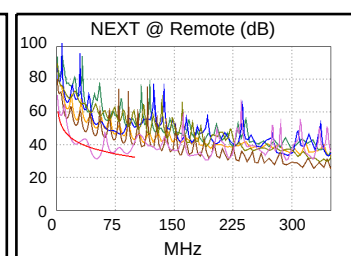
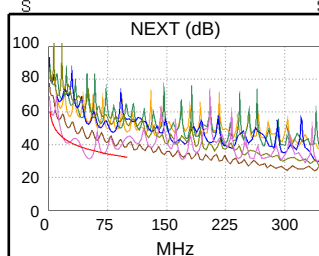
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.7 F	-5.8 F	-5.6	-5.6
Freq. (MHz)	51.3	50.5	51.8	51.8
Limit (dB)	37.1	37.2	37.0	37.0
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.9 F	-3.0 F	-2.8	-3.0
Freq. (MHz)	51.3	50.5	51.8	50.5
Limit (dB)	34.1	34.2	34.0	34.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	9.8	9.8	11.5	11.0
Freq. (MHz)	3.0	1.8	100.0	94.3
Limit (dB)	49.1	53.8	18.6	19.1
Worst Pair	78	78	78	78
PS ACR-F (dB)	11.6	11.6	13.6	13.0
Freq. (MHz)	3.0	1.8	100.0	97.3
Limit (dB)	46.1	50.8	15.6	15.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	6.4	5.9	7.0	7.0
Freq. (MHz)	21.6	21.1	51.8	51.8
Limit (dB)	33.9	34.2	22.3	22.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	9.0	8.7	9.8	9.4
Freq. (MHz)	2.4	21.1	51.8	50.5
Limit (dB)	52.3	31.2	19.3	19.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	2.9	4.5	2.9	4.6
Freq. (MHz)	96.0	94.5	96.0	95.5
Limit (dB)	12.2	12.3	12.2	12.2



Cable ID: 070

Date / Time: 06/24/2016 06:19:22 PM

Headroom -5.8 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

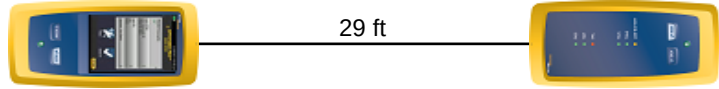
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	29
Prop. Delay (ns), Limit 498	[Pair 36]	44
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 78]	7.9
Insertion Loss Margin (dB)	[Pair 36]	17.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

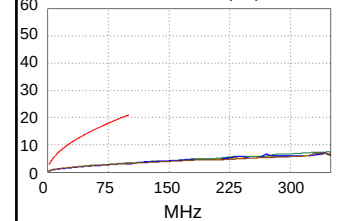


Wire Map (T568A)

PASS



Insertion Loss (dB)



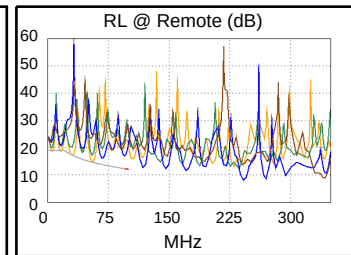
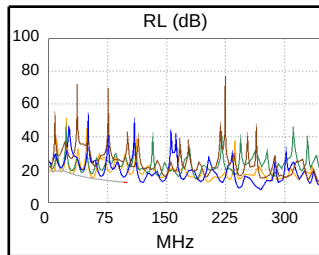
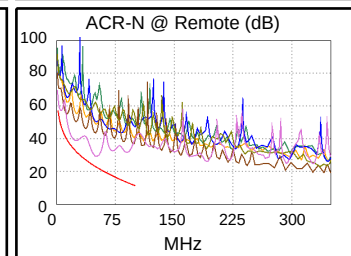
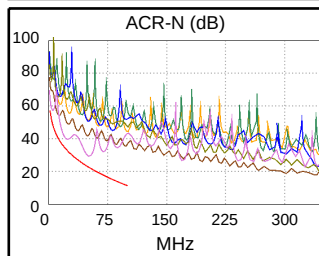
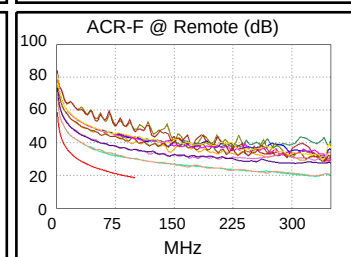
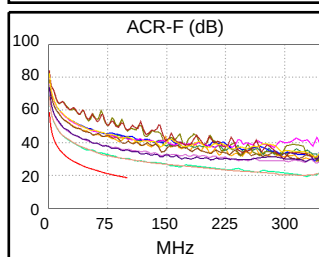
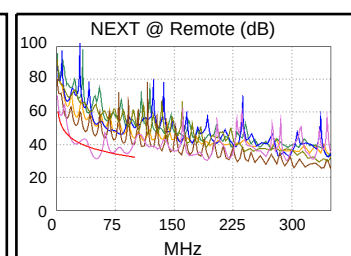
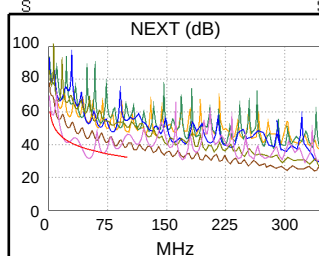
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.5 F	-5.8 F	-5.4	-5.7
Freq. (MHz)	51.3	50.5	51.5	51.3
Limit (dB)	37.1	37.2	37.0	37.1
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.7 F	-3.0 F	-2.6	-3.0
Freq. (MHz)	51.3	50.5	51.5	50.5
Limit (dB)	34.1	34.2	34.0	34.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	9.8	9.7	11.6	11.5
Freq. (MHz)	3.0	1.9	100.0	100.0
Limit (dB)	49.1	53.2	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	11.5	11.6	13.5	13.4
Freq. (MHz)	2.3	2.0	100.0	100.0
Limit (dB)	48.6	49.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	6.2	5.6	7.0	6.7
Freq. (MHz)	2.3	21.1	51.5	51.3
Limit (dB)	55.7	34.2	22.4	22.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	8.9	8.6	9.9	9.7
Freq. (MHz)	2.3	21.1	51.5	51.3
Limit (dB)	52.7	31.2	19.4	19.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.1	4.7	3.1	4.7
Freq. (MHz)	96.3	95.3	96.3	95.3
Limit (dB)	12.2	12.2	12.2	12.2





Cable ID: 071

Date / Time: 06/24/2016 06:32:12 PM

Headroom 5.6 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

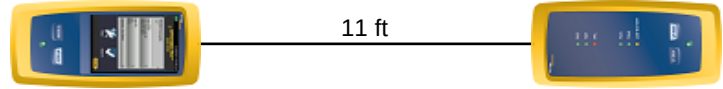
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 45]	18
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	6.8
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

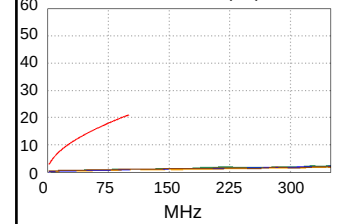


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

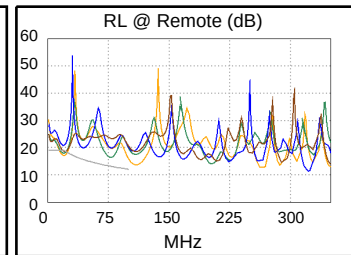
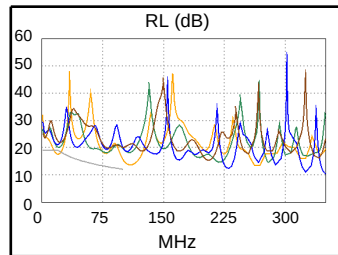
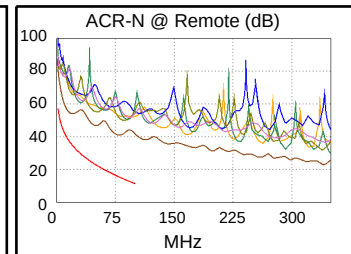
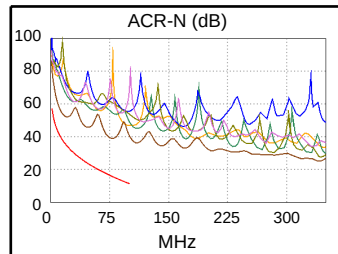
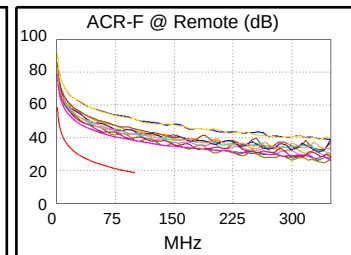
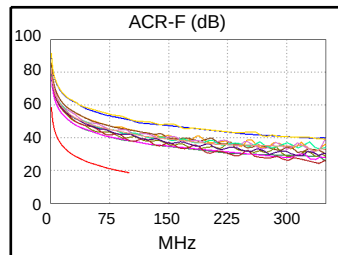
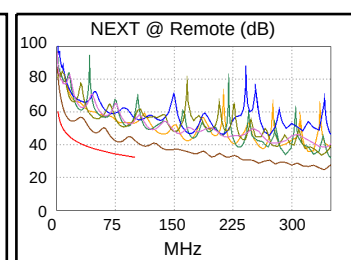
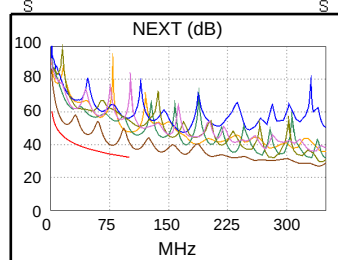
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.6	7.7	5.7	7.8
Freq. (MHz)	78.3	78.3	79.3	80.3
Limit (dB)	34.1	34.1	34.0	33.9
Worst Pair	45	36	45	36
PS NEXT (dB)	8.5	10.2	8.6	10.4
Freq. (MHz)	78.3	80.5	79.3	82.5
Limit (dB)	31.1	30.9	31.0	30.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	19.0	19.0	19.4	19.4
Freq. (MHz)	4.1	6.0	100.0	100.0
Limit (dB)	46.3	43.1	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.9	18.9	19.6	18.9
Freq. (MHz)	92.8	100.0	100.0	100.0
Limit (dB)	16.3	15.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.0	17.1	23.5	25.7
Freq. (MHz)	14.6	13.3	79.3	80.3
Limit (dB)	38.3	39.4	15.5	15.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	18.8	19.8	26.3	28.4
Freq. (MHz)	14.6	13.3	79.3	82.5
Limit (dB)	35.3	36.4	12.5	11.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-1.5	-1.9	3.6	3.8
Freq. (MHz)	20.1	20.1	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 072

Date / Time: 06/24/2016 06:47:22 PM

Headroom 0.6 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

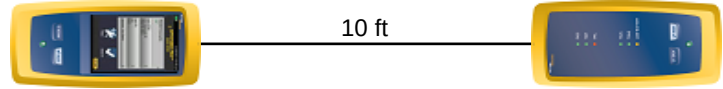
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	10
Prop. Delay (ns), Limit 498	[Pair 36]	15
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	1.8
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

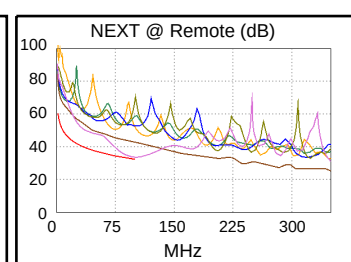
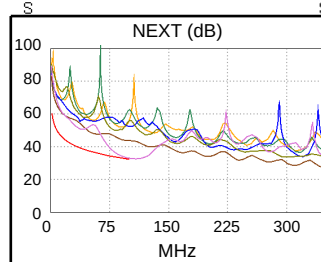


Wire Map (T568A)

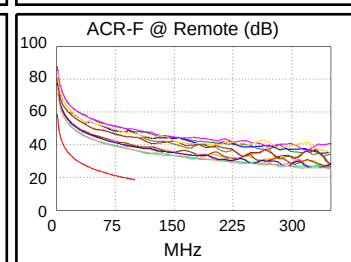
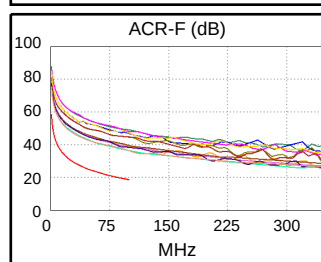


Worst Case Margin Worst Case Value

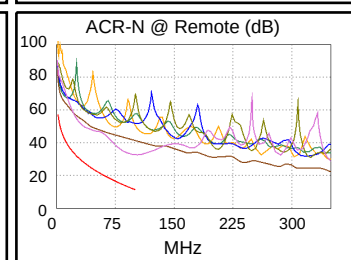
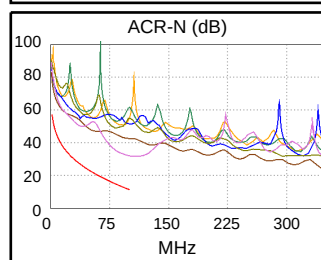
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	0.6	1.2	0.7	1.3
Freq. (MHz)	99.3	97.8	100.0	100.0
Limit (dB)	32.4	32.5	32.3	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	3.2	3.7	3.3	3.8
Freq. (MHz)	99.3	97.8	100.0	100.0
Limit (dB)	29.4	29.5	29.3	29.3



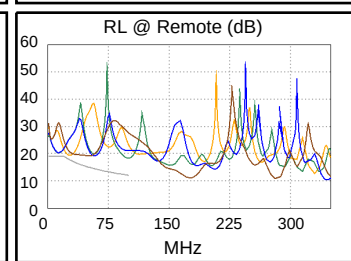
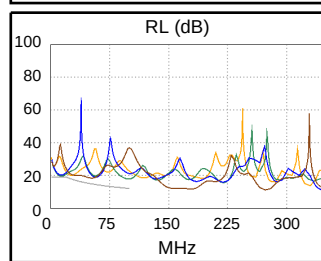
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	17.5	17.5	17.7	17.7
Freq. (MHz)	3.3	3.3	100.0	100.0
Limit (dB)	48.4	48.4	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	17.9	17.6	18.6	18.7
Freq. (MHz)	1.9	1.5	100.0	100.0
Limit (dB)	50.2	52.1	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	19.9	19.9	20.8	21.4
Freq. (MHz)	4.0	3.1	100.0	100.0
Limit (dB)	50.9	53.0	11.3	11.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	20.9	21.1	23.2	23.7
Freq. (MHz)	6.4	3.1	100.0	100.0
Limit (dB)	43.7	50.0	8.3	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	0.5	1.2	5.8	6.3
Freq. (MHz)	13.9	14.3	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0



Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 073

Date / Time: 06/24/2016 06:48:46 PM

Headroom 6.2 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	22
Prop. Delay (ns), Limit 498	[Pair 45]	34
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	5.9
Insertion Loss Margin (dB)	[Pair 78]	9.8
Frequency (MHz)	[Pair 78]	42.0
Limit (dB)	[Pair 78]	13.1



22 ft

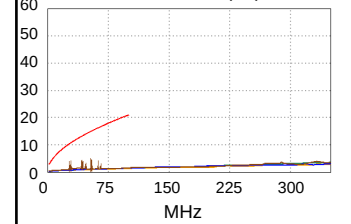


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

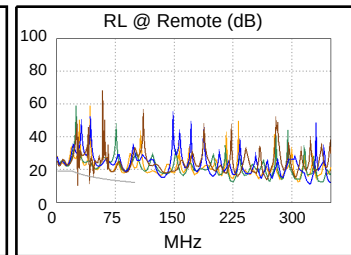
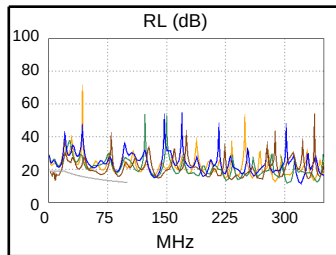
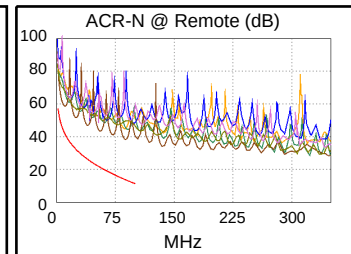
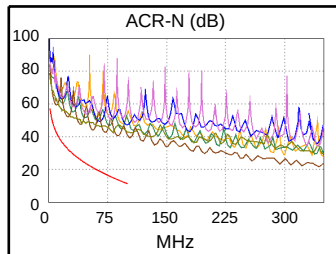
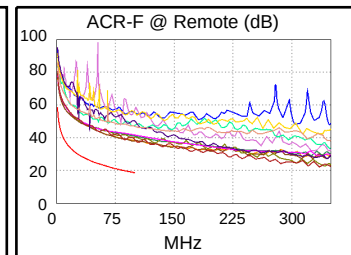
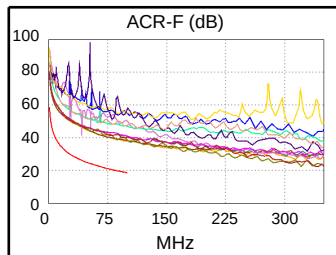
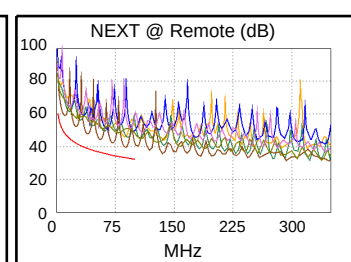
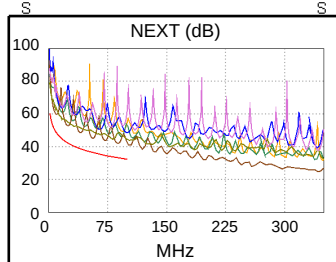
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.6	6.2	8.7	6.3
Freq. (MHz)	55.8	87.5	88.3	88.0
Limit (dB)	36.5	33.3	33.2	33.2
Worst Pair	36	36	36	36
PS NEXT (dB)	10.1	8.1	10.8	8.1
Freq. (MHz)	57.3	87.5	100.0	87.5
Limit (dB)	33.3	30.3	29.3	30.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-36	12-36	36-12
ACR-F (dB)	18.2	18.9	19.3	19.4
Freq. (MHz)	42.0	87.0	99.8	99.8
Limit (dB)	26.1	19.8	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.6	18.9	19.8	19.6
Freq. (MHz)	80.0	87.5	97.0	100.0
Limit (dB)	17.6	16.8	15.9	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	15.9	15.6	27.0	24.5
Freq. (MHz)	7.9	8.1	88.3	88.0
Limit (dB)	44.7	44.4	13.6	13.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	17.3	18.0	30.4	26.3
Freq. (MHz)	8.9	7.6	100.0	87.5
Limit (dB)	40.5	42.0	8.3	10.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	4.7	0.5*	5.0	0.5
Freq. (MHz)	53.3	42.0	86.3	42.0
Limit (dB)	14.7	15.8	12.7	15.8

Compliant Network Standards:
10BASE-T 100BASE-TX



* Measurement is within the accuracy limits of the instrument.



Cable ID: 074

Date / Time: 06/24/2016 06:49:58 PM

Headroom 6.2 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

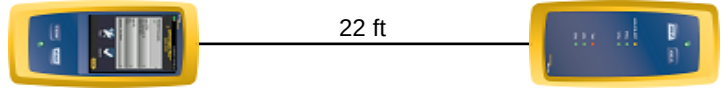
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	22
Prop. Delay (ns), Limit 498	[Pair 45]	34
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	2.6
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

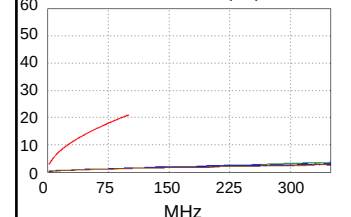


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

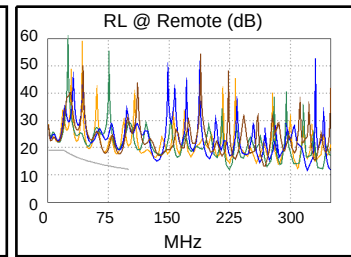
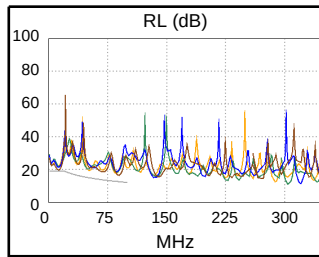
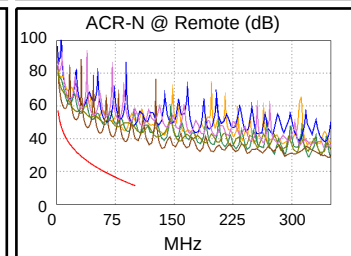
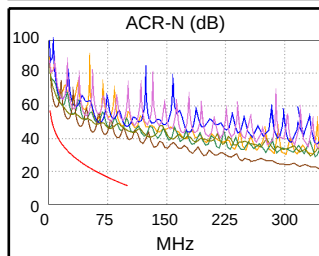
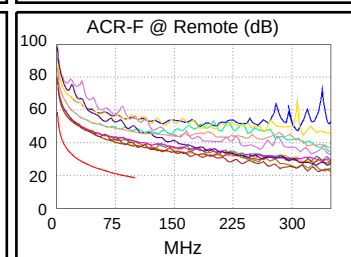
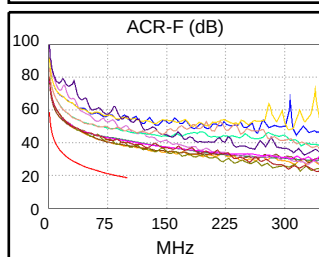
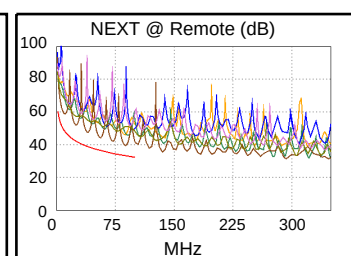
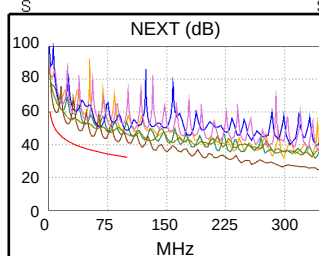
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.5	6.2	8.6	6.3
Freq. (MHz)	55.8	87.5	88.3	88.0
Limit (dB)	36.5	33.3	33.2	33.2
Worst Pair	36	36	36	36
PS NEXT (dB)	10.4	8.2	11.3	8.3
Freq. (MHz)	55.8	87.5	100.0	88.5
Limit (dB)	33.5	30.3	29.3	30.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
ACR-F (dB)	18.9	19.0	19.3	19.4
Freq. (MHz)	79.0	79.0	99.3	99.3
Limit (dB)	20.7	20.7	18.7	18.7
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.7	19.0	19.7	19.7
Freq. (MHz)	95.8	87.5	95.8	100.0
Limit (dB)	16.0	16.8	16.0	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	15.8	15.4	26.9	24.5
Freq. (MHz)	8.1	7.9	88.3	88.0
Limit (dB)	44.4	44.7	13.6	13.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	18.2	17.9	31.0	26.6
Freq. (MHz)	8.1	7.9	100.0	88.5
Limit (dB)	41.4	41.7	8.3	10.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	12
RL (dB)	0.7	2.9	3.9	4.9
Freq. (MHz)	12.9	14.3	89.8	85.8
Limit (dB)	19.0	19.0	12.5	12.7

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 075

Date / Time: 06/24/2016 06:50:27 PM

Headroom -2.2 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	20
Prop. Delay (ns), Limit 498	[Pair 36]	29
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.8
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



20 ft

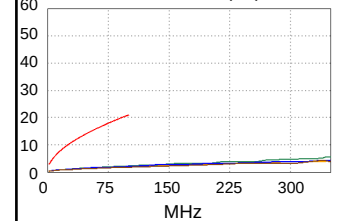


Wire Map (T568A)

PASS



Insertion Loss (dB)



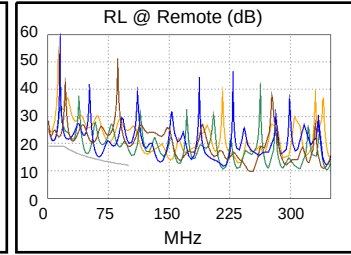
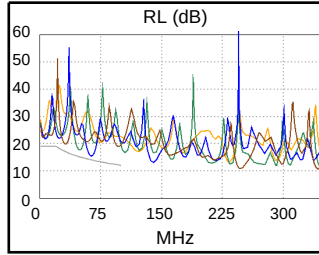
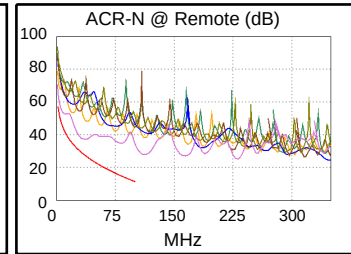
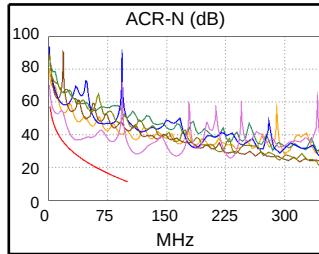
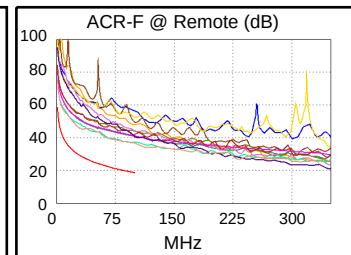
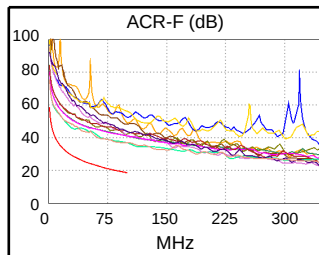
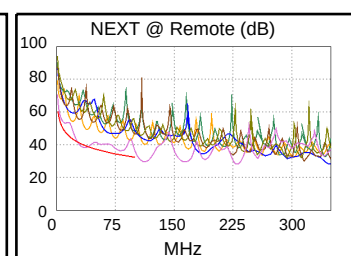
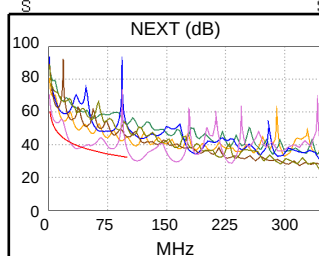
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-2.2 F	-1.7 F	4.7	3.9
Freq. (MHz)	34.0	34.0	100.0	100.0
Limit (dB)	40.0	40.0	32.3	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	0.7	1.2	6.9	6.3
Freq. (MHz)	34.0	33.3	100.0	100.0
Limit (dB)	37.0	37.1	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	16.5	16.4	17.9	18.2
Freq. (MHz)	4.9	29.4	96.5	100.0
Limit (dB)	44.9	29.3	18.9	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.2	17.8	18.8	19.1
Freq. (MHz)	4.8	29.4	98.0	100.0
Limit (dB)	42.1	26.3	15.8	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	7.3	7.5	23.9	23.1
Freq. (MHz)	3.8	3.1	100.0	100.0
Limit (dB)	51.4	53.0	11.3	11.3
Worst Pair	78	45	45	45
PS ACR-N (dB)	10.1	10.3	25.9	25.3
Freq. (MHz)	3.8	4.1	100.0	100.0
Limit (dB)	48.4	47.6	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	45
RL (dB)	1.4	1.1	1.5	1.2
Freq. (MHz)	63.8	48.8	64.0	64.3
Limit (dB)	14.0	15.1	13.9	13.9



Cable ID: 076

Date / Time: 06/24/2016 06:52:19 PM

Headroom -2.2 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	20
Prop. Delay (ns), Limit 498	[Pair 36]	29
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 78]	2.7
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



20 ft

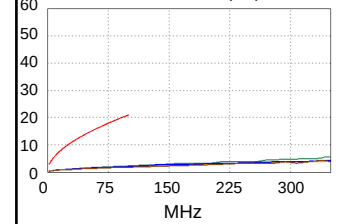


Wire Map (T568A)

PASS



Insertion Loss (dB)



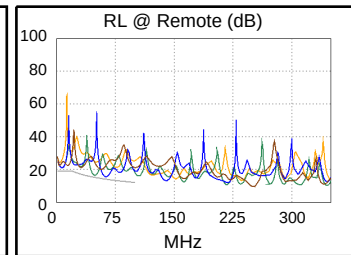
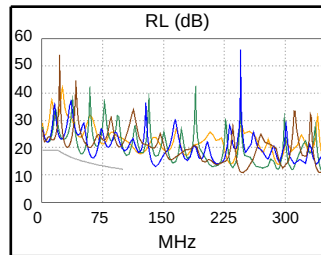
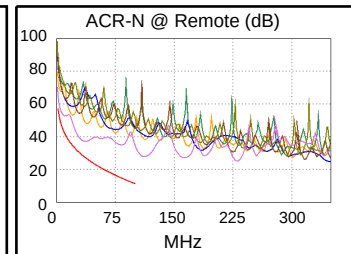
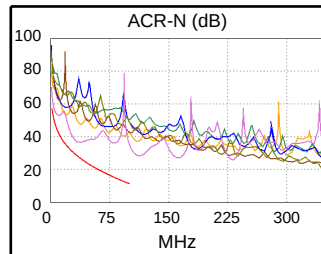
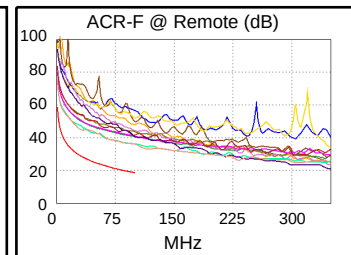
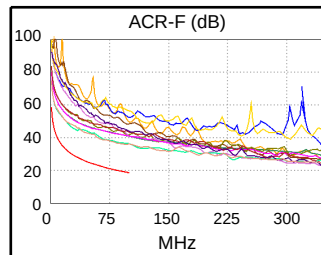
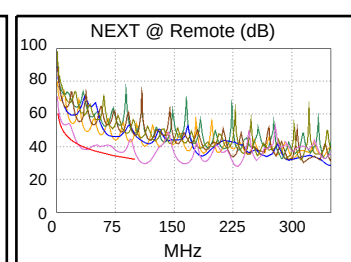
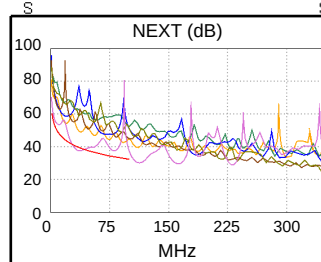
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-2.2 F	-1.7 F	4.9	4.2
Freq. (MHz)	34.8	34.0	100.0	100.0
Limit (dB)	39.8	40.0	32.3	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	0.7	1.2	7.1	6.5
Freq. (MHz)	34.8	33.0	100.0	100.0
Limit (dB)	36.8	37.2	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	15.9	15.8	17.1	17.5
Freq. (MHz)	4.9	4.0	96.5	100.0
Limit (dB)	44.9	46.6	18.9	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.6	17.4	18.5	18.6
Freq. (MHz)	4.0	4.0	100.0	100.0
Limit (dB)	43.6	43.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	6.9	7.2	24.2	23.5
Freq. (MHz)	3.1	3.6	100.0	100.0
Limit (dB)	53.0	51.7	11.3	11.3
Worst Pair	78	45	45	45
PS ACR-N (dB)	9.7	10.0	26.1	25.5
Freq. (MHz)	3.1	4.1	100.0	100.0
Limit (dB)	50.0	47.6	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	45
RL (dB)	2.1	1.2	2.2	1.6
Freq. (MHz)	62.5	48.5	63.8	63.8
Limit (dB)	14.1	15.2	14.0	14.0



Cable ID: 077

Date / Time: 07/01/2016 05:13:30 PM

Headroom -0.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	15
Prop. Delay (ns), Limit 498	[Pair 36]	23
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 45]	18.0
Frequency (MHz)	[Pair 45]	90.0
Limit (dB)	[Pair 45]	19.8



15 ft

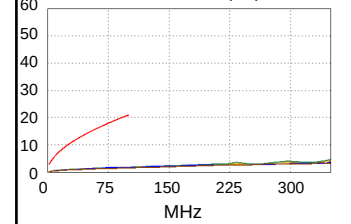


Wire Map (T568A)

PASS



Insertion Loss (dB)



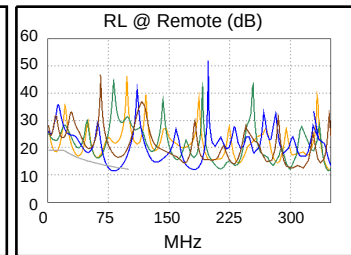
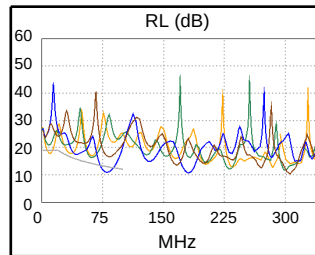
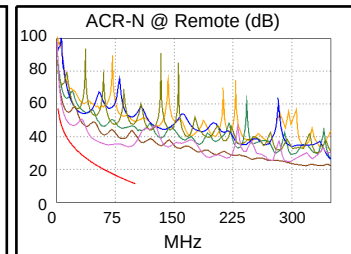
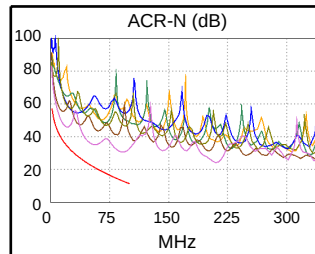
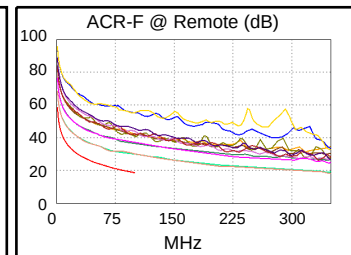
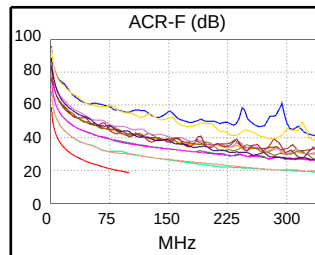
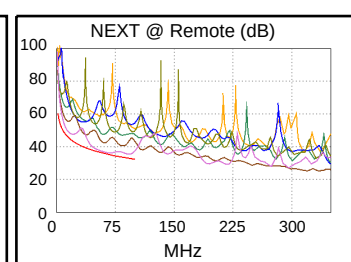
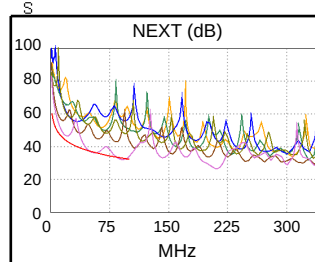
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-0.9 F	0.8	-0.8	2.4
Freq. (MHz)	91.3	65.0	92.5	92.0
Limit (dB)	33.0	35.4	32.9	32.9
Worst Pair	45	45	45	45
PS NEXT (dB)	1.9	2.5	2.0	4.5
Freq. (MHz)	88.8	61.5	91.3	92.0
Limit (dB)	30.2	32.8	30.0	29.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	10.0	9.8	11.4	11.5
Freq. (MHz)	68.8	68.8	100.0	100.0
Limit (dB)	21.9	21.9	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.3	12.2	13.3	13.3
Freq. (MHz)	77.3	71.3	100.0	100.0
Limit (dB)	17.9	18.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.3	10.2	18.0	21.2
Freq. (MHz)	16.3	13.0	92.8	92.8
Limit (dB)	37.2	39.6	12.7	12.7
Worst Pair	45	45	45	45
PS ACR-N (dB)	12.6	11.9	20.3	22.3
Freq. (MHz)	15.6	11.5	91.3	90.0
Limit (dB)	34.6	37.9	10.0	10.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-2.1	-1.6	-2.0	-1.6
Freq. (MHz)	80.5	81.3	81.8	81.3
Limit (dB)	13.0	12.9	12.9	12.9





Cable ID: 078

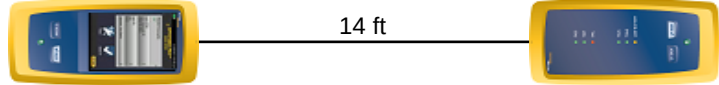
Date / Time: 07/01/2016 05:17:52 PM
Test Limit: TIA 1005 Cat 5e Perm. Link
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

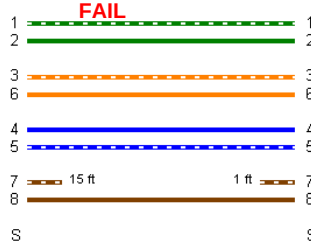
Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft)	[Pair 78]	14
Prop. Delay (ns)	[Pair 12]	23
Delay Skew (ns)	[Pair 12]	2
Resistance (ohms)	[Pair 78]	Open



Wire Map (T568A)



Cable ID: 079

Date / Time: 07/01/2016 05:20:35 PM

Headroom 0.7 dB (NEXT 36-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

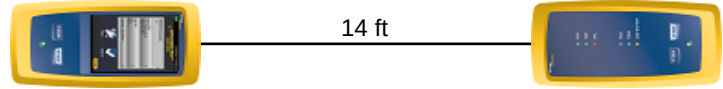
Main S/N: 2420012

Remote S/N: 2420016

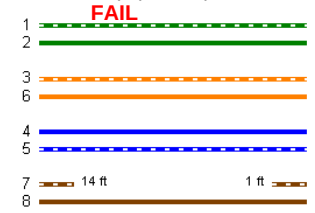
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

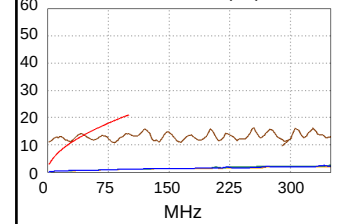
Length (ft), Limit 295	[Pair 78]	14
Prop. Delay (ns), Limit 498	[Pair 12]	23
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.1 F
Frequency (MHz)	[Pair 78]	2.3
Limit (dB)	[Pair 78]	3.0



Wire Map (T568A)



Insertion Loss (dB)



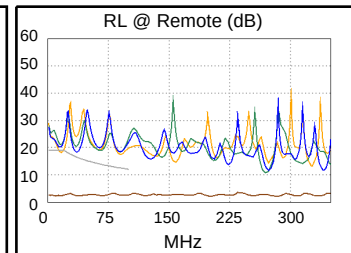
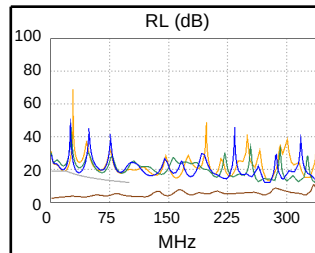
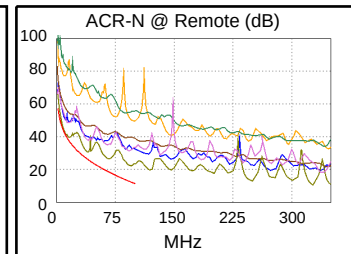
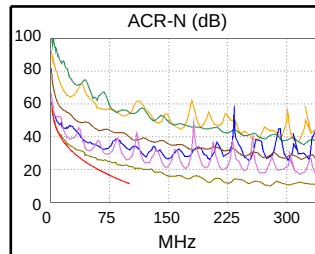
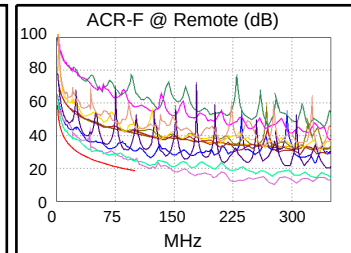
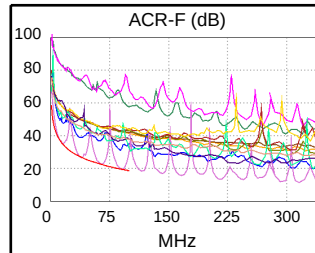
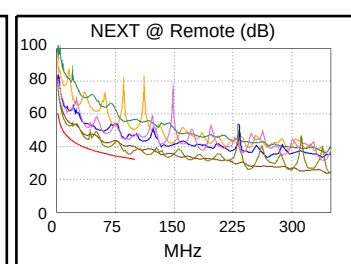
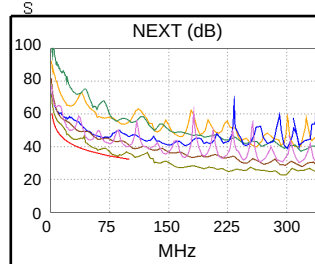
Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	0.7	2.6	0.9	2.6
Freq. (MHz)	85.0	92.3	86.5	92.3
Limit (dB)	33.5	32.9	33.3	32.9
Worst Pair	36	36	36	36
PS NEXT (dB)	3.2	4.4	3.4	4.6
Freq. (MHz)	85.0	92.5	86.5	94.3
Limit (dB)	30.5	29.9	30.3	29.7

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
ACR-F (dB)	-0.3 F	4.6	-0.2	5.9
Freq. (MHz)	39.0	43.5	90.3	100.0
Limit (dB)	26.8	25.8	19.5	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	2.3	3.6	2.6	5.4
Freq. (MHz)	37.8	1.0	90.3	100.0
Limit (dB)	24.1	55.6	16.5	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	-1.2	0.8	10.6	10.0
Freq. (MHz)	4.0	11.9	100.0	95.5
Limit (dB)	50.9	40.5	11.3	12.2
Worst Pair	78	78	78	78
PS ACR-N (dB)	-0.1	2.9	11.9	12.1
Freq. (MHz)	4.0	11.9	100.0	94.8
Limit (dB)	47.9	37.5	8.3	9.3

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-16.5 F	-16.8 F	-16.5	-13.5
Freq. (MHz)	4.0	17.3	4.0	42.5
Limit (dB)	19.0	19.0	19.0	15.7





Cable ID: 080

Date / Time: 07/01/2016 05:23:17 PM

Headroom 6.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

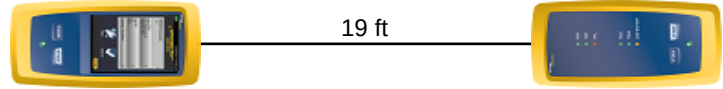
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	19
Prop. Delay (ns), Limit 498	[Pair 45]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.2
Insertion Loss Margin (dB)	[Pair 12]	19.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0

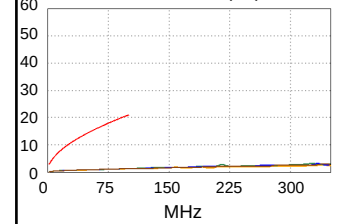


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

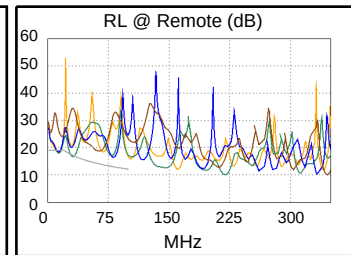
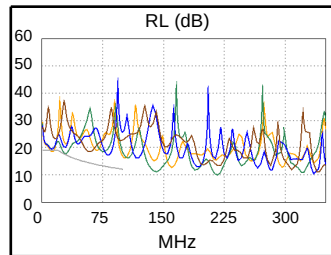
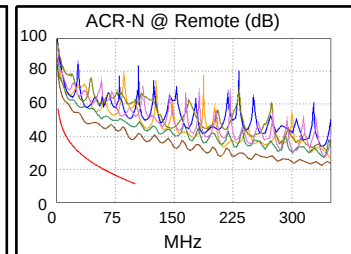
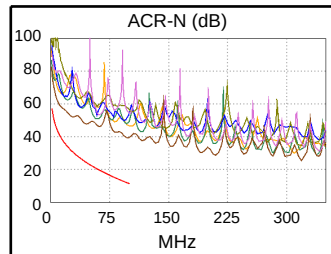
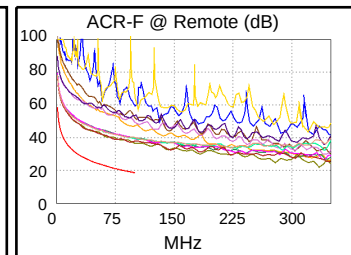
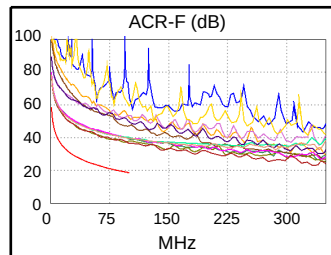
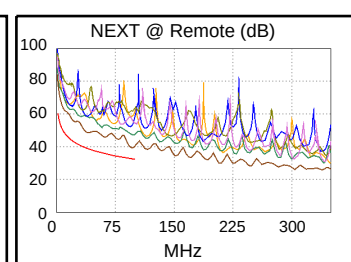
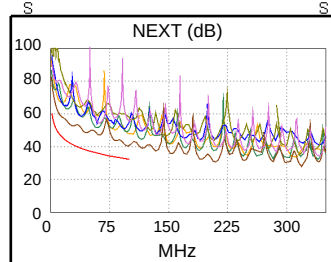
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.0	6.8	8.1	6.9
Freq. (MHz)	97.8	96.5	98.8	97.3
Limit (dB)	32.5	32.6	32.4	32.5
Worst Pair	36	45	36	45
PS NEXT (dB)	10.2	9.1	10.3	9.1
Freq. (MHz)	97.8	97.3	98.8	97.3
Limit (dB)	29.5	29.5	29.4	29.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	17.8	17.8	18.0	18.0
Freq. (MHz)	73.8	73.8	100.0	100.0
Limit (dB)	21.3	21.3	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.8	18.0	18.4	18.2
Freq. (MHz)	73.8	64.3	100.0	100.0
Limit (dB)	18.3	19.5	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	18.1	19.1	27.7	26.5
Freq. (MHz)	10.0	8.4	98.8	97.3
Limit (dB)	42.3	44.1	11.6	11.8
Worst Pair	36	45	36	45
PS ACR-N (dB)	20.6	21.2	29.9	28.7
Freq. (MHz)	10.9	6.5	98.8	97.3
Limit (dB)	38.4	43.5	8.6	8.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-0.5	-1.0	4.5	4.4
Freq. (MHz)	13.5	13.8	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 081

Date / Time: 07/01/2016 05:23:40 PM

Headroom 6.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

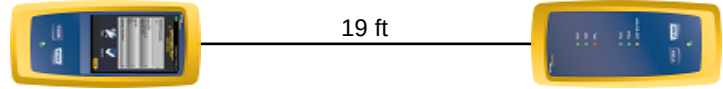
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	19
Prop. Delay (ns), Limit 498	[Pair 45]	29
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.2
Insertion Loss Margin (dB)	[Pair 12]	19.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0

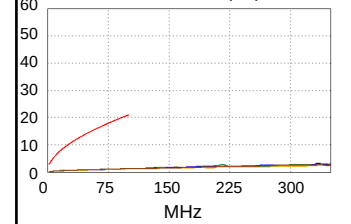


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

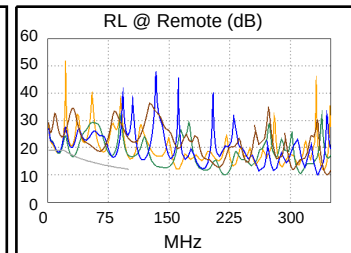
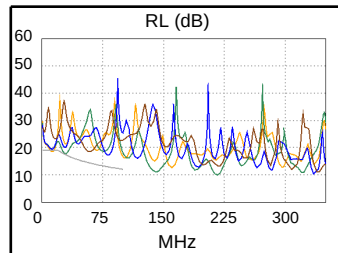
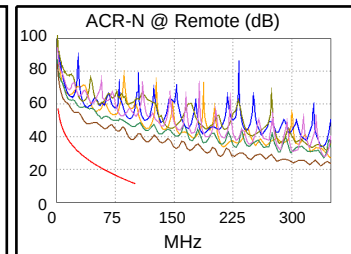
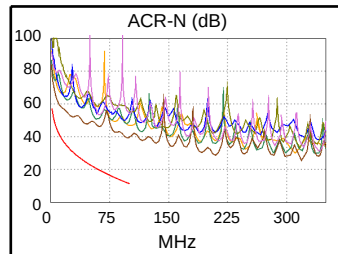
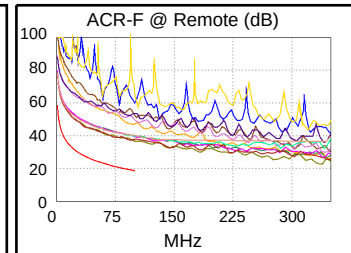
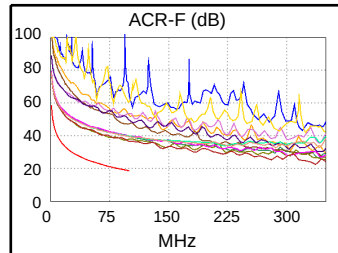
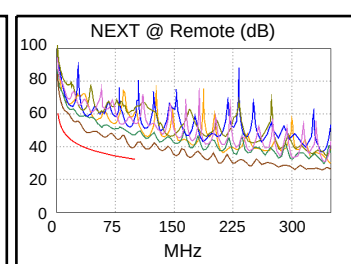
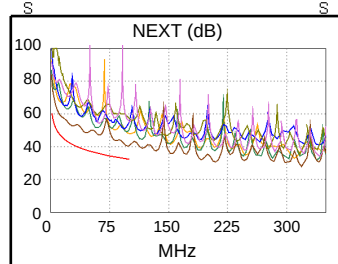
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.0	6.8	8.1	6.9
Freq. (MHz)	97.8	96.5	98.8	97.5
Limit (dB)	32.5	32.6	32.4	32.5
Worst Pair	36	45	36	45
PS NEXT (dB)	10.2	9.1	10.3	9.1
Freq. (MHz)	97.8	97.5	98.8	97.5
Limit (dB)	29.5	29.5	29.4	29.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	17.8	17.8	18.0	18.0
Freq. (MHz)	74.5	74.5	100.0	100.0
Limit (dB)	21.2	21.2	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.8	18.0	18.4	18.2
Freq. (MHz)	73.8	65.0	100.0	100.0
Limit (dB)	18.3	19.4	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	18.1	19.0	27.8	26.5
Freq. (MHz)	8.1	7.4	98.8	97.5
Limit (dB)	44.4	45.3	11.6	11.8
Worst Pair	36	45	36	45
PS ACR-N (dB)	20.5	21.2	29.9	28.7
Freq. (MHz)	8.1	6.9	98.8	97.5
Limit (dB)	41.4	43.0	8.6	8.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-0.5	-1.1	4.5	4.3
Freq. (MHz)	13.8	13.5	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 082

Date / Time: 07/01/2016 05:24:33 PM

Headroom -1.1 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	18
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.7
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



18 ft

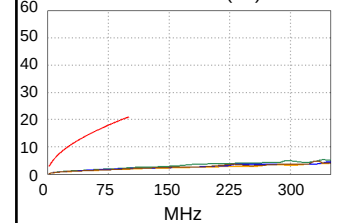


Wire Map (T568A)

PASS



Insertion Loss (dB)



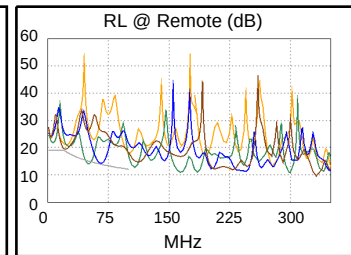
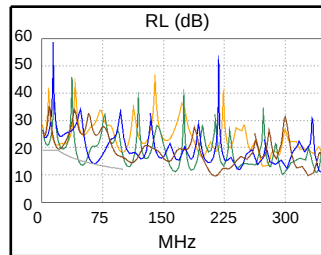
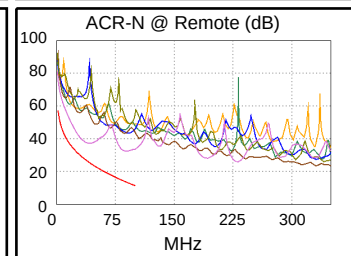
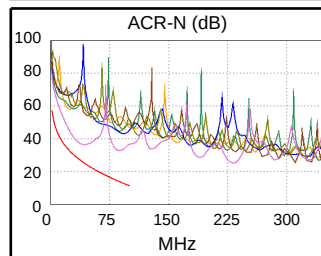
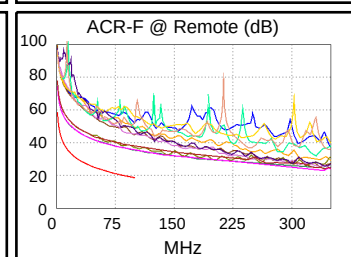
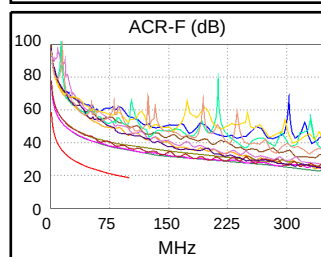
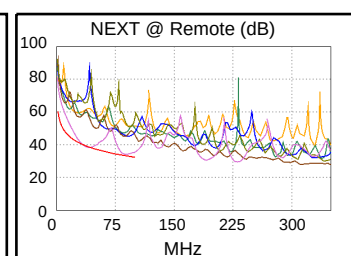
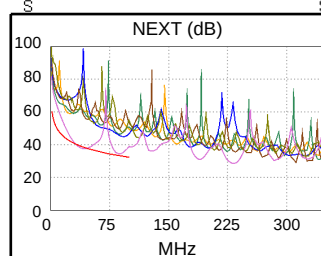
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.1 F	-0.5 F	1.4	1.0
Freq. (MHz)	40.3	39.8	89.0	89.5
Limit (dB)	38.8	38.9	33.1	33.1
Worst Pair	45	45	78	45
PS NEXT (dB)	1.9	2.5	3.9	3.5
Freq. (MHz)	40.3	39.8	89.8	89.5
Limit (dB)	35.8	35.9	30.1	30.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-12
ACR-F (dB)	16.3	16.5	16.5	16.6
Freq. (MHz)	59.3	4.0	100.0	100.0
Limit (dB)	23.2	46.6	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.4	17.2	17.7	17.4
Freq. (MHz)	60.5	81.8	100.0	100.0
Limit (dB)	20.0	17.4	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.1	10.6	19.3	19.3
Freq. (MHz)	36.8	34.3	89.0	91.0
Limit (dB)	27.2	28.1	13.5	13.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.0	13.3	21.8	21.4
Freq. (MHz)	36.0	34.0	89.0	89.5
Limit (dB)	24.5	25.2	10.5	10.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-1.6	-1.0	-1.5	-0.9
Freq. (MHz)	49.5	50.8	50.8	51.3
Limit (dB)	15.1	15.0	15.0	14.9



Cable ID: 083

Date / Time: 07/01/2016 05:24:55 PM

Headroom -1.1 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

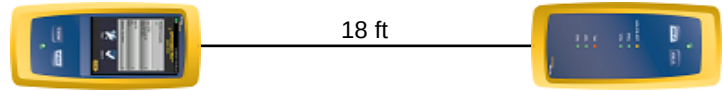
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	18
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.7
Insertion Loss Margin (dB)	[Pair 36]	18.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

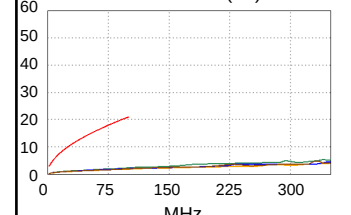


Wire Map (T568A)

PASS



Insertion Loss (dB)



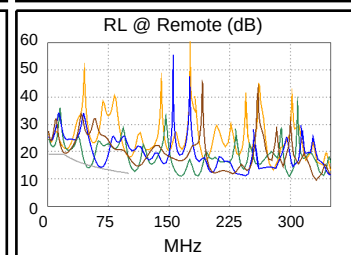
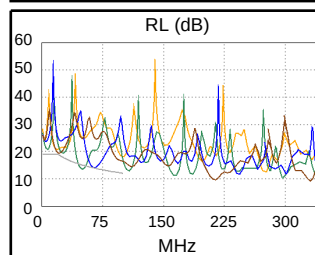
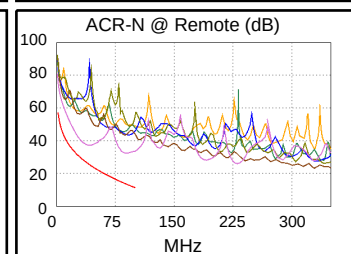
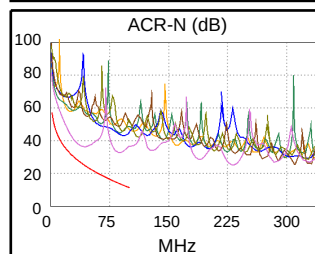
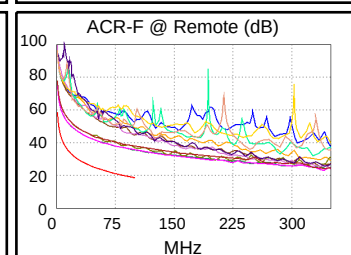
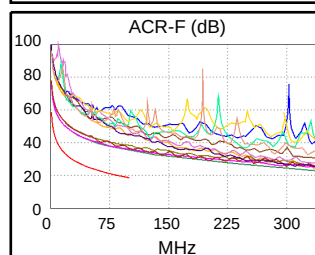
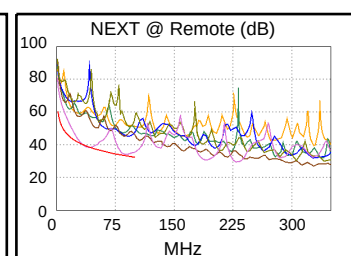
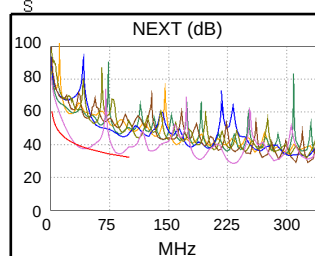
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.1 F	-0.5 F	1.4	1.2
Freq. (MHz)	40.3	38.5	89.0	90.8
Limit (dB)	38.8	39.1	33.1	33.0
Worst Pair	45	45	78	45
PS NEXT (dB)	1.9	2.5	3.9	3.7
Freq. (MHz)	40.3	38.5	89.8	90.5
Limit (dB)	35.8	36.1	30.1	30.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-12
ACR-F (dB)	16.3	16.5	16.6	16.7
Freq. (MHz)	58.5	4.0	100.0	100.0
Limit (dB)	23.3	46.6	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.4	17.3	17.7	17.4
Freq. (MHz)	59.3	99.5	100.0	99.8
Limit (dB)	20.2	15.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.1	10.6	19.3	19.6
Freq. (MHz)	37.0	34.3	89.0	91.8
Limit (dB)	27.1	28.1	13.5	12.9
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.0	13.3	21.8	21.7
Freq. (MHz)	36.0	34.0	88.8	90.5
Limit (dB)	24.5	25.2	10.5	10.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-1.6	-1.0	-1.5	-1.0
Freq. (MHz)	49.5	50.8	50.5	50.8
Limit (dB)	15.1	15.0	15.0	15.0



Cable ID: 084

Date / Time: 07/01/2016 05:28:30 PM

Headroom -1.1 dB (NEXT 36-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

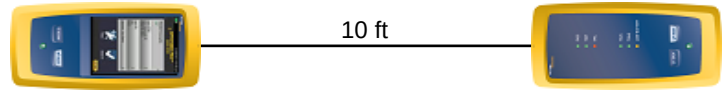
Main S/N: 2420012

Remote S/N: 2420016

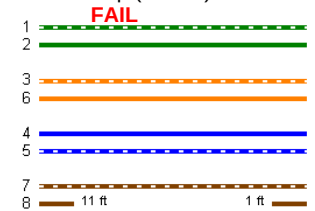
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

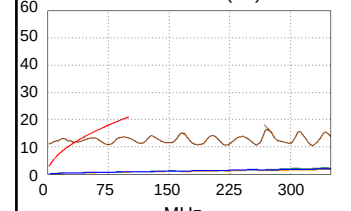
Length (ft), Limit 295	[Pair 78]	10
Prop. Delay (ns), Limit 498	[Pair 45]	17
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.1 F
Frequency (MHz)	[Pair 78]	1.1
Limit (dB)	[Pair 78]	3.0



Wire Map (T568A)

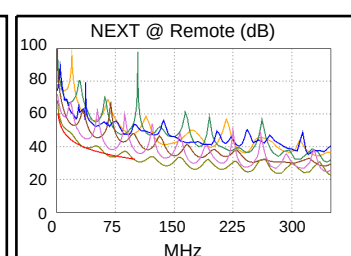
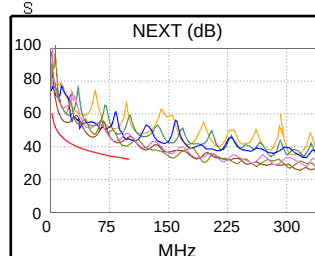


Insertion Loss (dB)

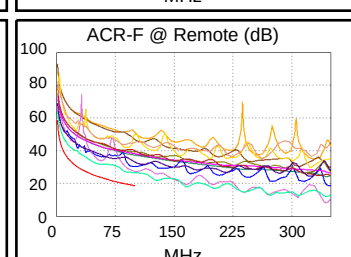
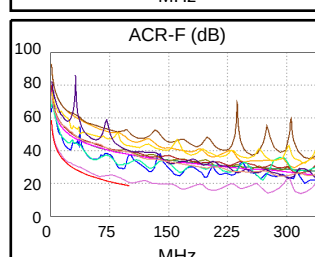


Worst Case Margin Worst Case Value

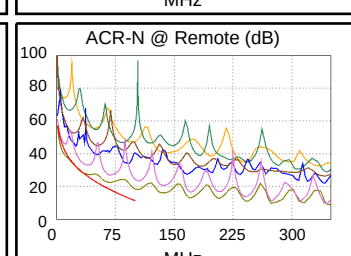
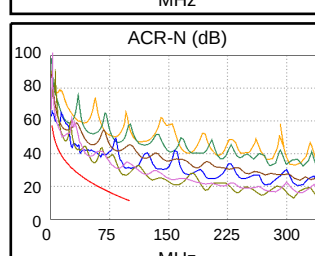
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	7.6	-1.1 F	7.6	-0.6
Freq. (MHz)	94.8	69.8	94.8	100.0
Limit (dB)	32.7	34.9	32.7	32.3
Worst Pair	45	78	78	78
PS NEXT (dB)	8.7	0.6	8.9	1.4
Freq. (MHz)	83.5	69.8	96.8	100.0
Limit (dB)	30.6	31.9	29.5	29.3



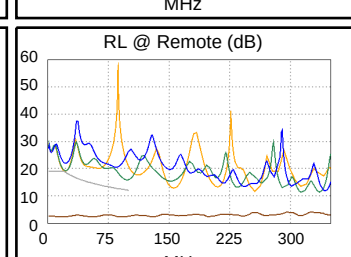
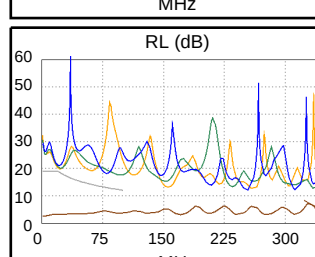
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
ACR-F (dB)	0.6	7.4	2.0	8.1
Freq. (MHz)	1.8	91.0	100.0	100.0
Limit (dB)	53.8	19.4	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	0.9	4.2	4.6	7.5
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	55.6	55.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-78	36-78	36-78
ACR-N (dB)	6.0	-4.4	14.4	7.2
Freq. (MHz)	1.0	4.4	94.8	100.0
Limit (dB)	57.0	50.1	12.3	11.3
Worst Pair	78	78	78	78
PS ACR-N (dB)	7.0	-2.4	16.0	9.2
Freq. (MHz)	1.0	4.4	96.8	100.0
Limit (dB)	54.0	47.1	8.9	8.3



FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-16.5 F	-16.8 F	-16.5	-10.0
Freq. (MHz)	4.0	20.1	4.0	95.5
Limit (dB)	19.0	19.0	19.0	12.2





Cable ID: 085

Date / Time: 07/01/2016 05:30:35 PM

Headroom 6.4 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

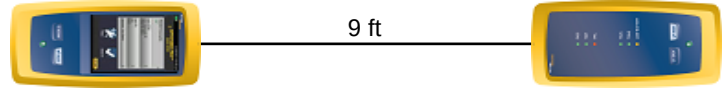
Main S/N: 2420012

Remote S/N: 2420016

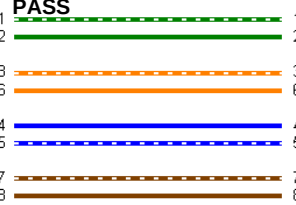
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

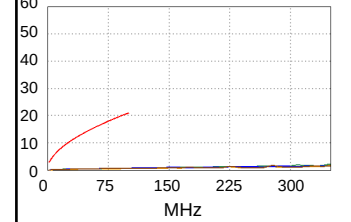
Length (ft), Limit 295	[Pair 12]	9
Prop. Delay (ns), Limit 498	[Pair 12]	13
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 12]	1.1
Insertion Loss Margin (dB)	[Pair 78]	20.3
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	21.0



Wire Map (T568A)

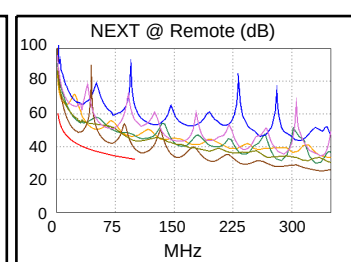
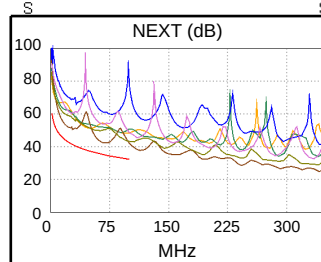


Insertion Loss (dB)

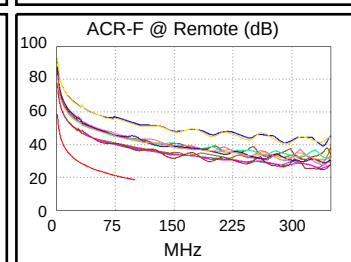
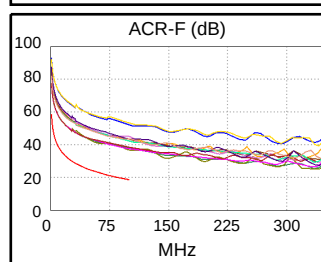


Worst Case Margin Worst Case Value

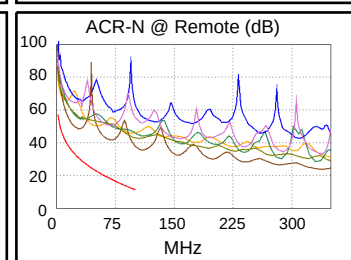
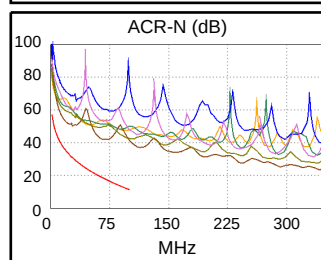
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.3	6.4	9.9	6.4
Freq. (MHz)	66.0	100.0	100.0	100.0
Limit (dB)	35.3	32.3	32.3	32.3
Worst Pair	36	36	36	36
PS NEXT (dB)	9.3	7.7	9.9	7.7
Freq. (MHz)	64.3	100.0	100.0	100.0
Limit (dB)	32.5	29.3	29.3	29.3



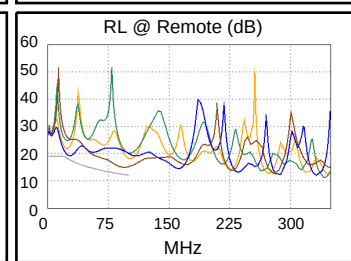
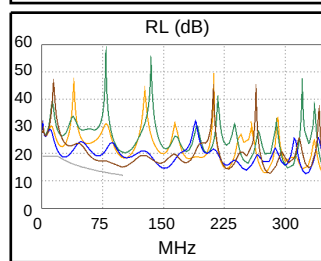
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	17.8	17.9	18.2	18.2
Freq. (MHz)	59.3	59.3	100.0	100.0
Limit (dB)	23.2	23.2	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.6	18.0	18.1	18.7
Freq. (MHz)	57.3	41.5	100.0	100.0
Limit (dB)	20.5	23.3	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	17.4	16.4	30.3	26.8
Freq. (MHz)	15.5	19.0	100.0	100.0
Limit (dB)	37.7	35.4	11.3	11.3
Worst Pair	36	45	36	36
PS ACR-N (dB)	19.2	18.5	30.3	28.1
Freq. (MHz)	15.5	19.0	100.0	100.0
Limit (dB)	34.7	32.4	8.3	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	78	78
RL (dB)	0.8	1.3	3.0	2.7
Freq. (MHz)	24.9	26.0	100.0	96.3
Limit (dB)	18.1	17.9	12.0	12.2



Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 086

Date / Time: 07/01/2016 05:31:03 PM

Headroom 6.7 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

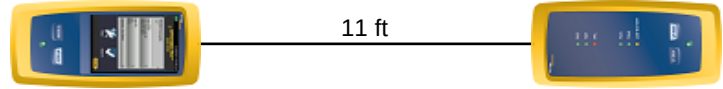
Main S/N: 2420012

Remote S/N: 2420016

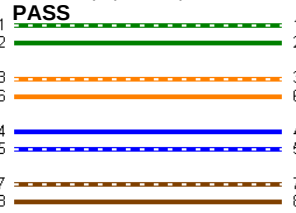
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

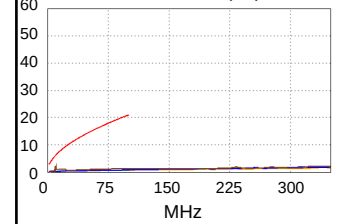
Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 45]	17
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	3.8
Insertion Loss Margin (dB)	[Pair 78]	4.8
Frequency (MHz)	[Pair 78]	10.5
Limit (dB)	[Pair 78]	6.4



Wire Map (T568A)



Insertion Loss (dB)



Worst Case Margin Worst Case Value

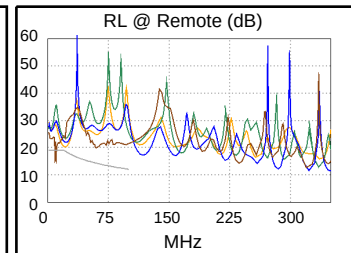
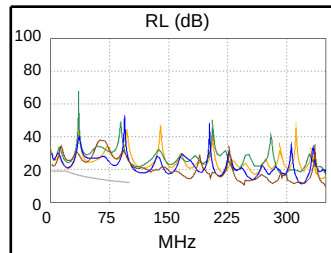
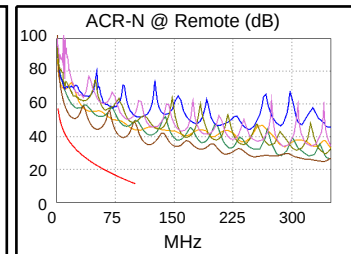
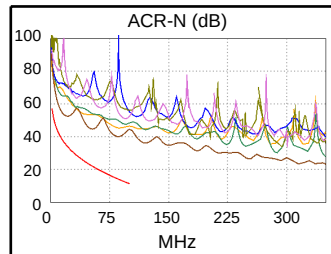
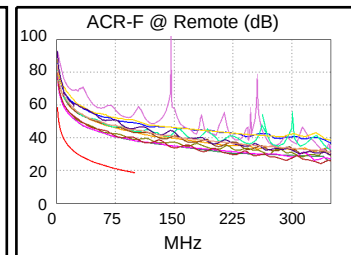
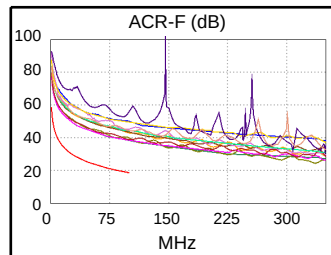
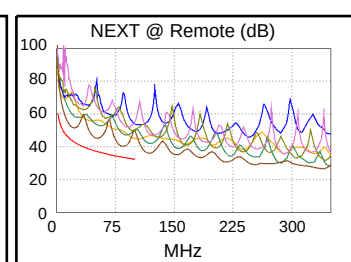
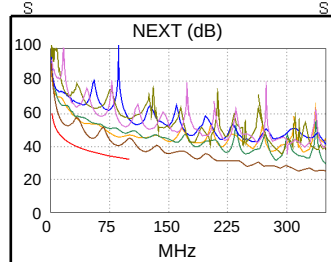
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.4	6.7	7.4	6.8
Freq. (MHz)	85.8	85.0	85.8	85.5
Limit (dB)	33.4	33.5	33.4	33.4
Worst Pair	36	45	36	45
PS NEXT (dB)	9.3	8.8	9.5	9.0
Freq. (MHz)	86.3	85.0	87.8	86.8
Limit (dB)	30.4	30.5	30.2	30.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	19.2	19.2	19.5	19.5
Freq. (MHz)	34.5	35.3	100.0	100.0
Limit (dB)	27.9	27.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	19.1	19.3	19.7	19.4
Freq. (MHz)	76.8	99.5	100.0	100.0
Limit (dB)	17.9	15.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.4	16.0	26.0	25.3
Freq. (MHz)	15.3	16.3	85.8	85.5
Limit (dB)	37.9	37.2	14.1	14.2
Worst Pair	45	45	36	45
PS ACR-N (dB)	19.0	18.5	28.4	27.7
Freq. (MHz)	15.3	16.3	87.8	86.8
Limit (dB)	34.9	34.2	10.7	10.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	78	12	78
RL (dB)	1.9	-2.8	2.2	-2.8
Freq. (MHz)	21.6	10.5	22.9	10.5
Limit (dB)	18.7	19.0	18.4	19.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 087

Date / Time: 07/01/2016 05:31:33 PM

Headroom 9.9 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 45]	18
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	2.3
Insertion Loss Margin (dB)	[Pair 36]	20.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



11 ft

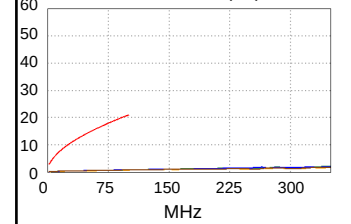


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

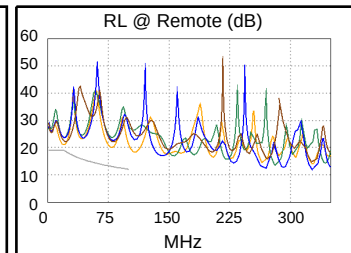
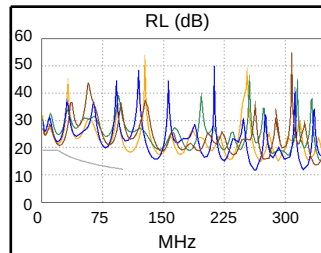
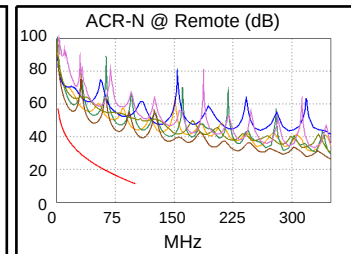
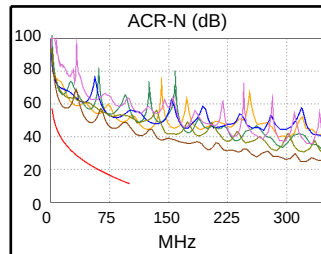
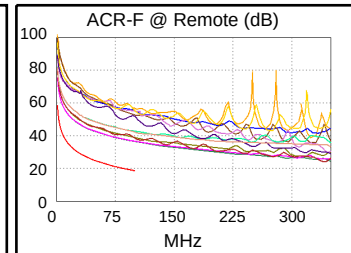
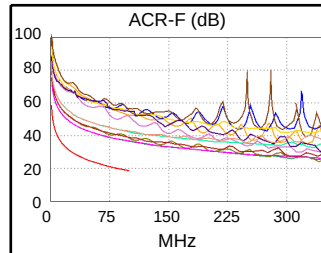
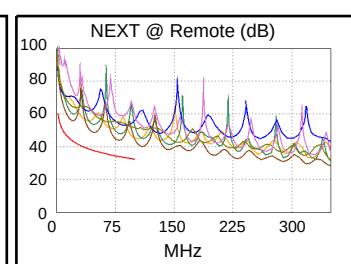
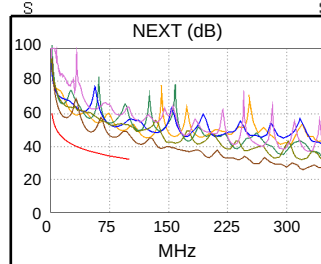
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	11.8	9.9	11.9	10.0
Freq. (MHz)	80.5	78.3	81.0	80.3
Limit (dB)	33.9	34.1	33.8	33.9
Worst Pair	36	45	36	36
PS NEXT (dB)	13.6	11.5	13.9	12.0
Freq. (MHz)	80.5	80.5	84.0	100.0
Limit (dB)	30.9	30.9	30.5	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	17.5	17.4	17.8	17.8
Freq. (MHz)	6.5	3.3	100.0	100.0
Limit (dB)	42.4	48.4	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.9	18.1	18.1	18.2
Freq. (MHz)	75.5	99.5	100.0	100.0
Limit (dB)	18.1	15.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	20.3	19.8	29.9	27.9
Freq. (MHz)	13.3	16.3	81.0	80.3
Limit (dB)	39.4	37.2	15.1	15.3
Worst Pair	36	45	36	36
PS ACR-N (dB)	22.5	21.6	32.2	32.2
Freq. (MHz)	13.3	16.3	84.0	100.0
Limit (dB)	36.4	34.2	11.5	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	12	45	12
RL (dB)	2.0	2.0	6.9	7.0
Freq. (MHz)	21.1	19.9	79.0	79.0
Limit (dB)	18.8	19.0	13.0	13.0

Compliant Network Standards:
10BASE-T 100BASE-TX



Cable ID: 088

Date / Time: 07/01/2016 05:33:15 PM

Headroom -17.3 dB (NEXT 12-36)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

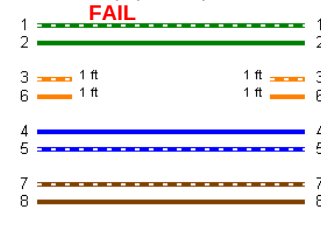
Length (ft), Limit 295	[Pair 36]	1
Prop. Delay (ns), Limit 498	[Pair 45]	46
Delay Skew (ns), Limit 44	[Pair 45]	45 F
Resistance (ohms)	[Pair 36]	Open
Insertion Loss Margin (dB)	[Pair 36]	-26.8 F
Frequency (MHz)	[Pair 36]	11.6
Limit (dB)	[Pair 36]	6.7



1 ft

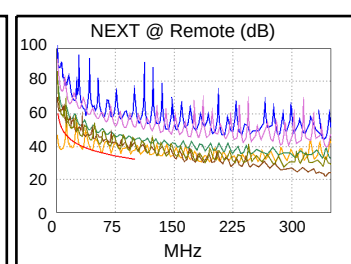
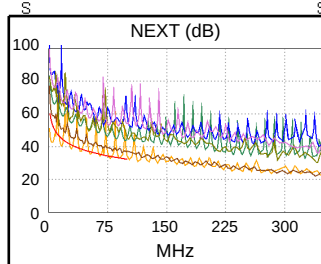


Wire Map (T568A)

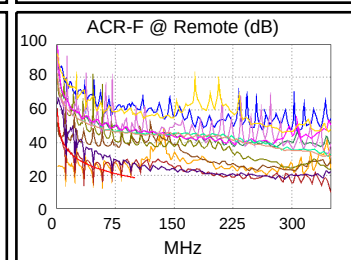
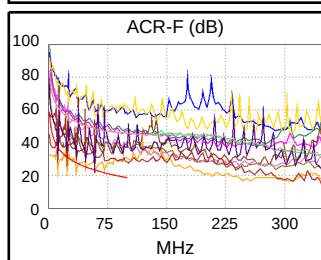


Worst Case Margin Worst Case Value

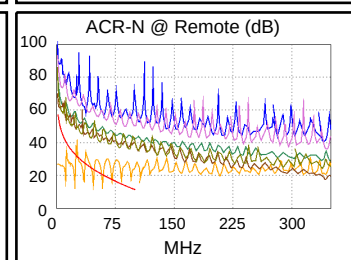
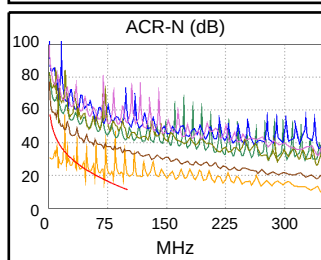
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	-13.7 F	-17.3 F	-1.2	2.9
Freq. (MHz)	1.9	1.9	78.5	94.8
Limit (dB)	60.0	60.0	34.0	32.7
Worst Pair	12	12	36	36
PS NEXT (dB)	-10.7 F	-14.3 F	0.8	3.6
Freq. (MHz)	1.9	1.9	78.5	94.5
Limit (dB)	57.0	57.0	31.0	29.7



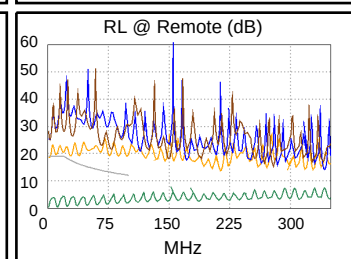
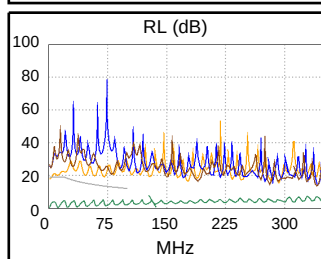
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-F (dB)	-26.1 F	-33.3 F	-6.3	-10.8
Freq. (MHz)	1.0	1.0	35.0	46.8
Limit (dB)	58.6	58.6	27.7	25.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	-23.1 F	-30.3 F	0.3	-9.9
Freq. (MHz)	1.0	1.0	58.8	46.8
Limit (dB)	55.6	55.6	20.2	22.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	-26.3	-30.4	-1.7	-6.8
Freq. (MHz)	1.9	1.0	70.8	58.8
Limit (dB)	57.0	57.0	17.4	20.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	-23.3	-27.4	-0.4	-4.8
Freq. (MHz)	1.9	1.0	70.8	58.8
Limit (dB)	54.0	54.0	14.4	17.4



FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-18.9 F	-18.9 F	-18.9	-18.9
Freq. (MHz)	1.0	1.0	1.0	1.0
Limit (dB)	19.0	19.0	19.0	19.0



Cable ID: 089

Date / Time: 07/01/2016 05:33:50 PM

Headroom -7.3 dB (NEXT 12-36)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

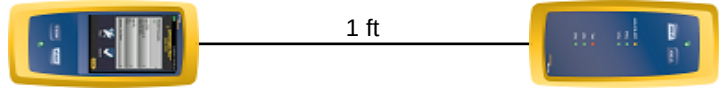
Main S/N: 2420012

Remote S/N: 2420016

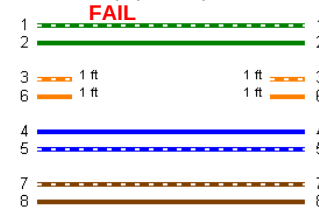
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

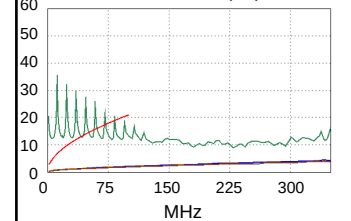
Length (ft), Limit 295	[Pair 36]	1
Prop. Delay (ns), Limit 498	[Pair 45]	46
Delay Skew (ns), Limit 44	[Pair 45]	45 F
Resistance (ohms)	[Pair 36]	Open
Insertion Loss Margin (dB)	[Pair 36]	-26.8 F
Frequency (MHz)	[Pair 36]	11.6
Limit (dB)	[Pair 36]	6.7



Wire Map (T568A)



Insertion Loss (dB)



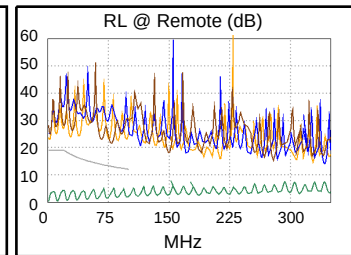
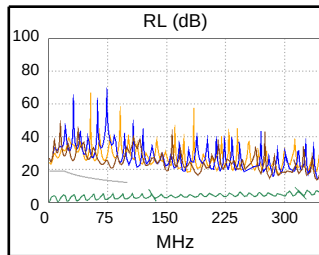
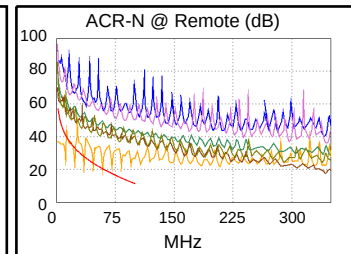
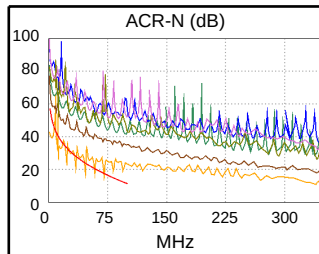
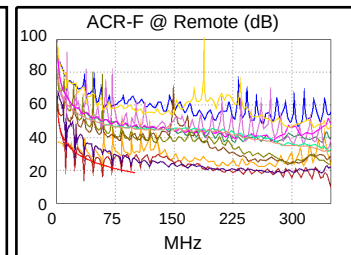
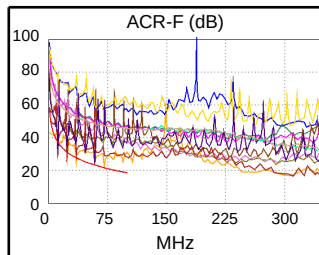
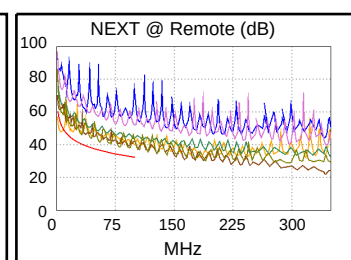
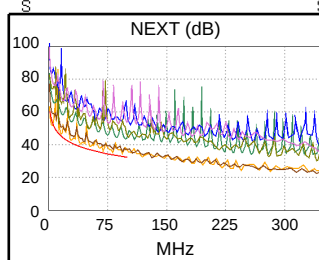
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-78
NEXT (dB)	-3.7 F	-7.3 F	1.3	5.2
Freq. (MHz)	3.0	2.1	94.5	93.5
Limit (dB)	56.8	59.1	32.7	32.8
Worst Pair	36	36	36	36
PS NEXT (dB)	-1.2 F	-4.6 F	2.1	5.0
Freq. (MHz)	3.4	2.1	94.3	92.8
Limit (dB)	53.0	56.1	29.7	29.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	45-36
ACR-F (dB)	-15.4 F	-21.2 F	1.0	-7.0
Freq. (MHz)	1.0	1.0	70.8	58.8
Limit (dB)	58.6	58.6	21.6	23.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	-12.5 F	-18.2 F	3.3	-5.5
Freq. (MHz)	1.0	1.0	70.8	58.5
Limit (dB)	55.6	55.6	18.6	20.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	-15.7	-20.2	-1.8	-0.9
Freq. (MHz)	1.9	1.0	70.5	58.8
Limit (dB)	57.0	57.0	17.5	20.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	-13.0	-17.4	-0.5	-1.2
Freq. (MHz)	1.9	1.3	70.5	58.8
Limit (dB)	54.0	54.0	14.5	17.4

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-18.9 F	-18.9 F	-18.9	-18.9
Freq. (MHz)	1.0	1.0	1.0	1.0
Limit (dB)	19.0	19.0	19.0	19.0



Cable ID: 090

Date / Time: 07/01/2016 05:34:47 PM

Headroom -5.9 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

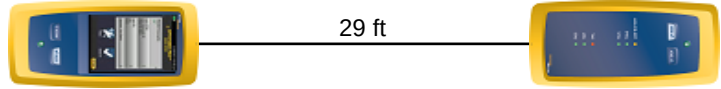
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	29
Prop. Delay (ns), Limit 498	[Pair 36]	44
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.1
Insertion Loss Margin (dB)	[Pair 36]	17.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0

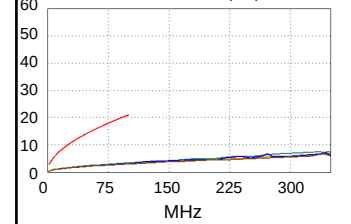


Wire Map (T568A)

PASS

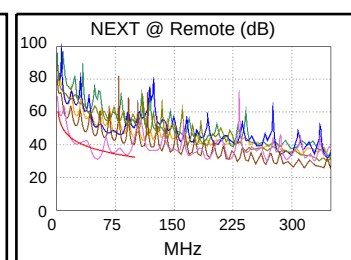
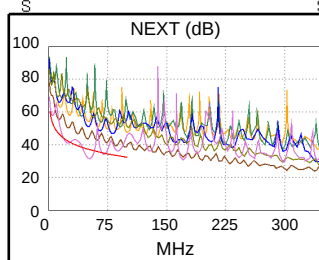


Insertion Loss (dB)

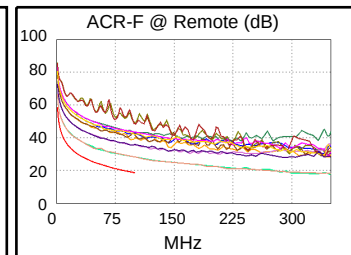
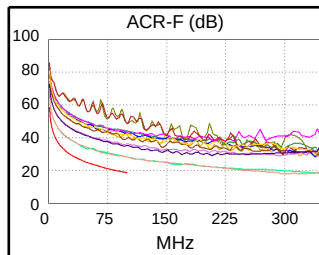


Worst Case Margin Worst Case Value

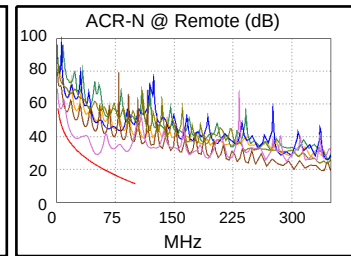
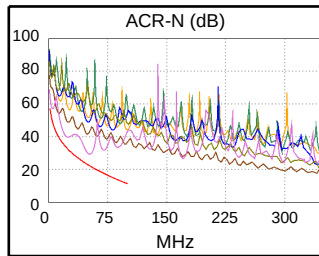
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.6 F	-5.9 F	-5.5	-5.7
Freq. (MHz)	52.0	51.3	52.3	52.5
Limit (dB)	37.0	37.1	36.9	36.9
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.8 F	-3.0 F	-2.7	-2.8
Freq. (MHz)	52.0	51.3	52.3	52.5
Limit (dB)	34.0	34.1	33.9	33.9



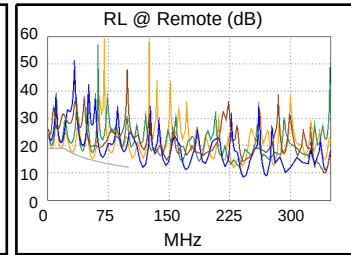
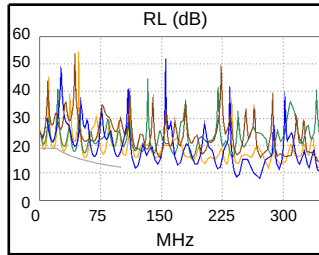
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	7.9	7.9	9.6	9.7
Freq. (MHz)	2.5	2.5	100.0	100.0
Limit (dB)	50.7	50.7	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	9.9	10.0	12.0	11.9
Freq. (MHz)	1.0	1.8	100.0	100.0
Limit (dB)	55.6	50.8	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	5.9	6.1	7.1	7.0
Freq. (MHz)	2.3	21.1	52.3	52.5
Limit (dB)	55.7	34.2	22.2	22.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	8.5	8.8	9.9	9.9
Freq. (MHz)	2.3	2.4	52.3	52.5
Limit (dB)	52.7	52.3	19.2	19.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.7	5.4	3.7	5.4
Freq. (MHz)	96.3	94.3	96.3	94.3
Limit (dB)	12.2	12.3	12.2	12.3





Cable ID: 091

Date / Time: 07/01/2016 05:39:18 PM

Headroom 5.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 45]	18
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	2.8
Insertion Loss Margin (dB)	[Pair 36]	20.1
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



11 ft

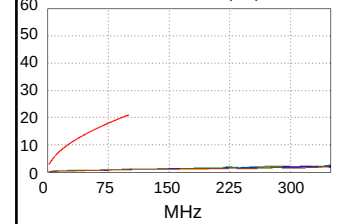


Wire Map (T568A)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

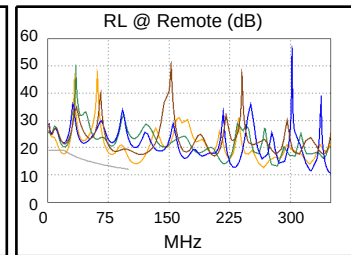
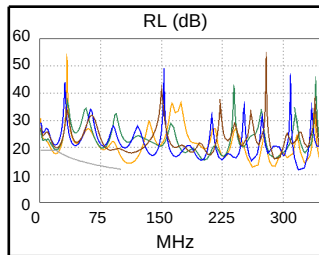
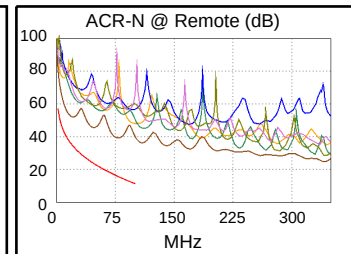
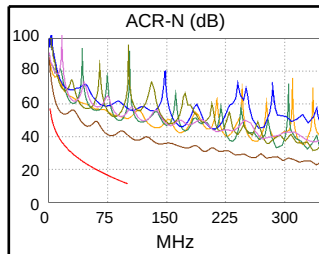
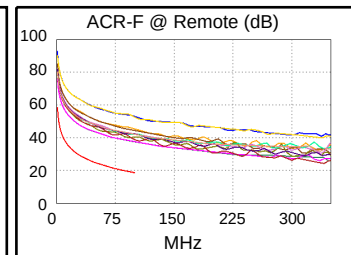
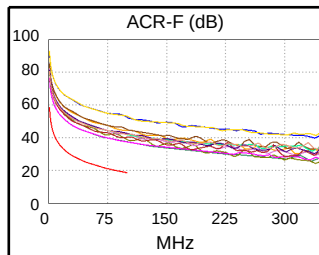
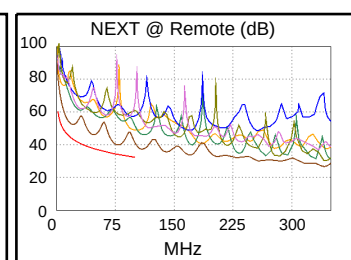
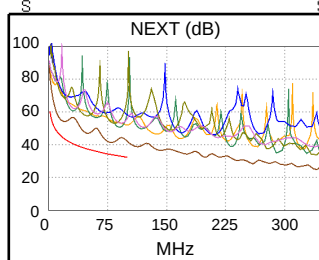
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.4	5.8	7.6	5.9
Freq. (MHz)	79.3	78.3	80.8	79.3
Limit (dB)	34.0	34.1	33.8	34.0
Worst Pair	36	36	36	36
PS NEXT (dB)	10.0	8.7	10.0	8.8
Freq. (MHz)	80.5	78.3	80.5	79.3
Limit (dB)	30.9	31.1	30.9	31.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-12
ACR-F (dB)	18.3	18.3	18.7	18.7
Freq. (MHz)	6.0	6.0	100.0	100.0
Limit (dB)	43.1	43.1	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.3	18.3	18.6	19.1
Freq. (MHz)	1.0	1.3	100.0	100.0
Limit (dB)	55.6	53.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.8	16.0	25.5	23.7
Freq. (MHz)	12.6	14.3	80.8	79.3
Limit (dB)	39.9	38.6	15.2	15.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	19.7	18.9	27.9	26.5
Freq. (MHz)	14.1	14.3	80.5	79.3
Limit (dB)	35.7	35.6	12.2	12.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-1.2	-1.4	4.7	4.2
Freq. (MHz)	20.1	19.9	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0

Compliant Network Standards:
10BASE-T 100BASE-TX





Cable ID: 092

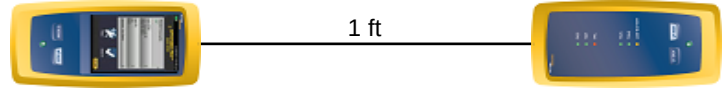
Date / Time: 07/01/2016 05:40:02 PM
Test Limit: TIA 1005 Cat 5e Perm. Link
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Operator: CLEBER
Software Version: V3.0 Build 6
Limits Version: V3.0
Calibration Date:
Main (Module): 06/06/2013
Remote (Module): 06/04/2013

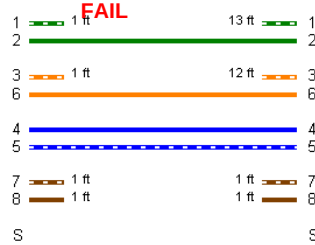
Test Summary: FAIL

Model: DSX-5000
Main S/N: 2420012
Remote S/N: 2420016
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft)	[Pair 12]	1
Prop. Delay (ns)	[Pair 45]	19
Delay Skew (ns)	[Pair 45]	18
Resistance (ohms)	[Pair 36]	Open



Wire Map (T568A)





Cable ID: 093

Date / Time: 07/01/2016 05:43:05 PM

Headroom 1.3 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: PASS

Model: DSX-5000

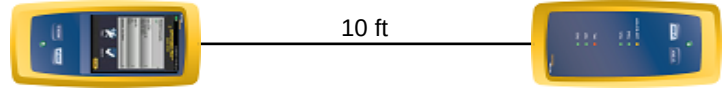
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

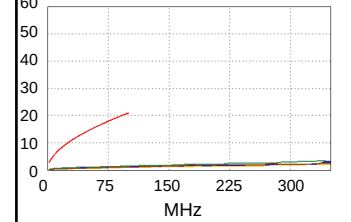
Length (ft), Limit 295	[Pair 12]	10
Prop. Delay (ns), Limit 498	[Pair 36]	15
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	7.7
Insertion Loss Margin (dB)	[Pair 36]	19.6
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

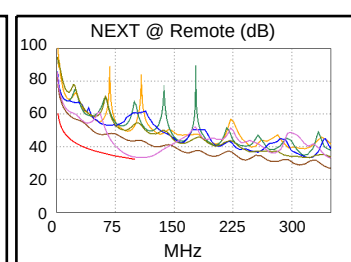
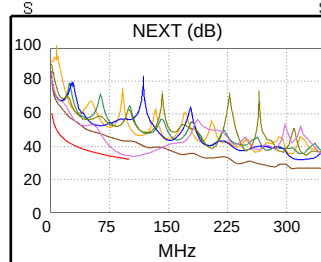


Insertion Loss (dB)

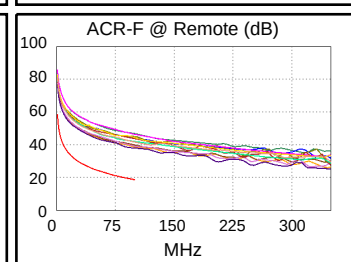
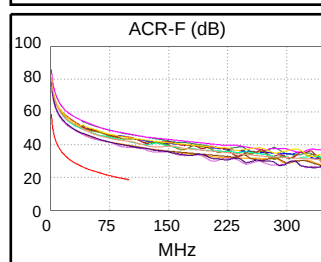


Worst Case Margin Worst Case Value

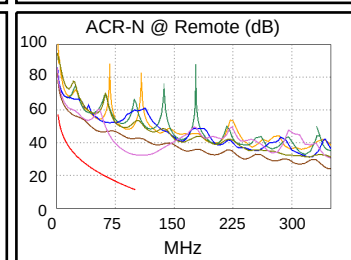
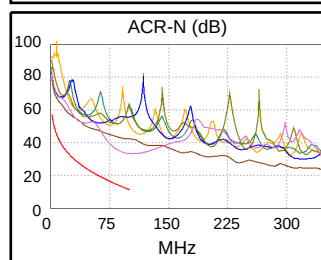
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	2.0	1.3	2.1	1.4
Freq. (MHz)	99.3	99.3	100.0	100.0
Limit (dB)	32.4	32.4	32.3	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	4.5	3.9	4.6	4.0
Freq. (MHz)	99.3	99.3	100.0	100.0
Limit (dB)	29.4	29.4	29.3	29.3



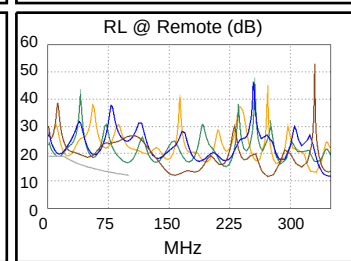
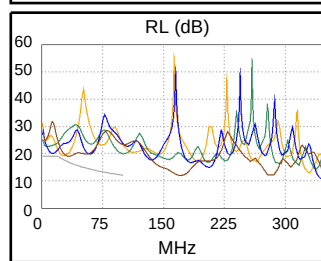
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-78	78-36
ACR-F (dB)	19.3	18.8	19.8	19.4
Freq. (MHz)	92.8	89.8	100.0	100.0
Limit (dB)	19.3	19.6	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.4	17.8	19.7	19.0
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	55.6	55.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	21.0	19.3	22.1	21.4
Freq. (MHz)	2.4	4.4	100.0	100.0
Limit (dB)	55.3	50.1	11.3	11.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	20.9	19.5	24.5	23.9
Freq. (MHz)	2.4	2.4	100.0	100.0
Limit (dB)	52.3	52.3	8.3	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	36	78	36
RL (dB)	1.1	-0.1	2.5	4.7
Freq. (MHz)	15.0	14.3	35.3	100.0
Limit (dB)	19.0	19.0	16.5	12.0



Compliant Network Standards:
10BASE-T 100BASE-TX

Cable ID: 094

Date / Time: 07/01/2016 05:43:46 PM

Headroom -2.2 dB (NEXT 36-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

Test Summary: FAIL

Model: DSX-5000

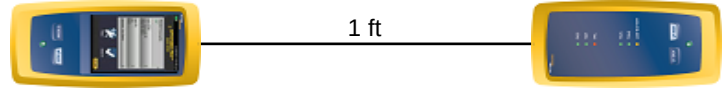
Main S/N: 2420012

Remote S/N: 2420016

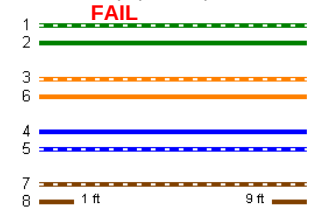
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

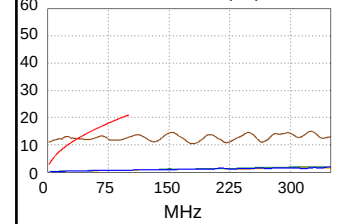
Length (ft), Limit 295	[Pair 78]	1
Prop. Delay (ns), Limit 498	[Pair 12]	15
Delay Skew (ns), Limit 44	[Pair 12]	14
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.1 F
Frequency (MHz)	[Pair 78]	1.1
Limit (dB)	[Pair 78]	3.0



Wire Map (T568A)

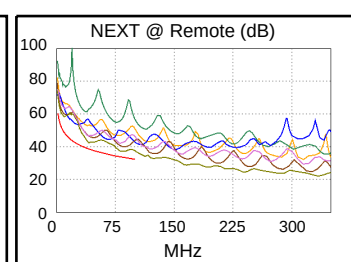
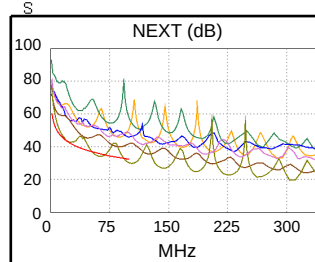


Insertion Loss (dB)

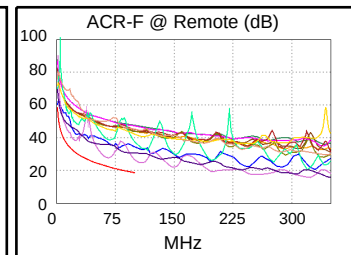
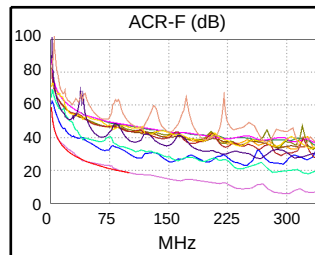


Worst Case Margin Worst Case Value

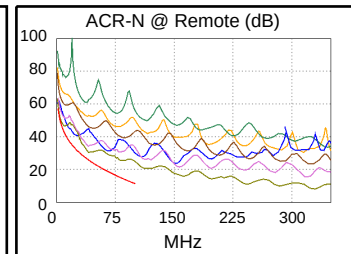
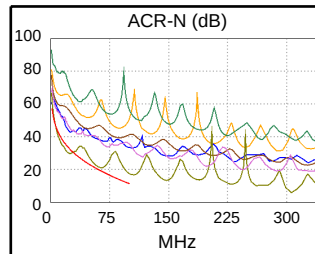
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	-2.2 F	3.4	-2.2	3.4
Freq. (MHz)	100.0	82.3	100.0	82.3
Limit (dB)	32.3	33.7	32.3	33.7
Worst Pair	36	36	36	36
PS NEXT (dB)	0.5	4.5	0.5	5.0
Freq. (MHz)	100.0	82.8	100.0	87.8
Limit (dB)	29.3	30.7	29.3	30.2



FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-F (dB)	-0.7 F	5.4	0.0	7.8
Freq. (MHz)	40.5	65.8	100.0	100.0
Limit (dB)	26.5	22.3	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	0.4	3.7	2.6	9.8
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	55.6	55.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	-3.7	1.4	6.1	13.6
Freq. (MHz)	19.4	3.9	100.0	100.0
Limit (dB)	35.2	51.1	11.3	11.3
Worst Pair	78	78	78	78
PS ACR-N (dB)	-0.9	2.4	8.9	15.1
Freq. (MHz)	21.3	1.9	100.0	100.0
Limit (dB)	31.1	54.0	8.3	8.3



FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-16.8 F	-16.4 F	-15.8	-16.4
Freq. (MHz)	20.1	5.6	25.9	5.6
Limit (dB)	19.0	19.0	17.9	19.0

