

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
REABILITACAO10	FAIL	TIA Cat 6 Perm. Link	60 ft	-17.4 dB (NEXT)	10/10/2016 08:05 PM
REABILITACAO100	PASS	TIA 1005 Cat 5e Perm. Link	32 ft	7.0 dB (NEXT)	10/25/2016 10:19 AM
REABILITACAO101	PASS	TIA 1005 Cat 5e Perm. Link	16 ft	1.9 dB (NEXT)	10/26/2016 07:54 AM
REABILITACAO102	PASS	TIA 1005 Cat 5e Perm. Link	20 ft	6.0 dB (NEXT)	10/26/2016 07:55 AM
REABILITACAO103	PASS	TIA 1005 Cat 5e Perm. Link	20 ft	10.0 dB (NEXT)	10/26/2016 07:56 AM
REABILITACAO104	PASS	TIA 1005 Cat 5e Perm. Link	21 ft	9.1 dB (NEXT)	10/26/2016 07:57 AM
REABILITACAO105	FAIL	TIA Cat 6 Perm. Link	32 ft	-16.5 dB (NEXT)	11/07/2016 06:48 PM
REABILITACAO106	FAIL	TIA Cat 6 Perm. Link	32 ft	-16.5 dB (NEXT)	11/07/2016 06:49 PM
REABILITACAO107	FAIL	TIA 1005 Cat 5e Perm. Link	32 ft	-7.0 dB (NEXT)	11/07/2016 06:49 PM
REABILITACAO108	FAIL	TIA Cat 6 Perm. Link	32 ft	-16.5 dB (NEXT)	11/07/2016 06:50 PM
REABILITACAO109	FAIL	TIA Cat 6 Perm. Link	32 ft	-18.5 dB (NEXT)	11/07/2016 06:51 PM
REABILITACAO11	FAIL	TIA Cat 6 Perm. Link	62 ft	-13.2 dB (NEXT)	10/10/2016 08:06 PM
REABILITACAO110	PASS	TIA Cat 6 Perm. Link	27 ft	1.8 dB (NEXT)	11/07/2016 06:53 PM
REABILITACAO111	FAIL	TIA Cat 6 Perm. Link	26 ft	-6.8 dB (NEXT)	11/07/2016 06:56 PM
REABILITACAO112	FAIL	TIA Cat 6 Perm. Link	26 ft	-6.9 dB (NEXT)	11/07/2016 06:57 PM
REABILITACAO113	PASS	TIA Cat 6 Perm. Link	11 ft	2.2 dB (NEXT)	11/07/2016 07:08 PM
REABILITACAO114	FAIL	TIA Cat 6 Perm. Link	16 ft	-10.2 dB (NEXT)	11/07/2016 07:09 PM
REABILITACAO115	FAIL	TIA Cat 6 Perm. Link	26 ft	-6.7 dB (NEXT)	11/07/2016 07:38 PM
REABILITACAO116	FAIL	TIA Cat 6 Perm. Link	1 ft	-12.0 dB (NEXT)	11/07/2016 07:40 PM
REABILITACAO117	FAIL	TIA Cat 6 Perm. Link	27 ft	-12.1 dB (NEXT)	11/07/2016 07:41 PM
REABILITACAO118	PASS	TIA Cat 6 Perm. Link	27 ft	1.0 dB (NEXT)	11/07/2016 07:43 PM
REABILITACAO119	FAIL	TIA Cat 6 Perm. Link	27 ft	-12.0 dB (NEXT)	11/07/2016 07:44 PM
REABILITACAO12	FAIL	TIA Cat 6 Perm. Link	32 ft	-16.4 dB (NEXT)	10/10/2016 08:07 PM
REABILITACAO120	FAIL	TIA Cat 6 Perm. Link	16 ft	-9.5 dB (NEXT)	11/07/2016 07:51 PM
REABILITACAO121	FAIL	TIA Cat 6 Perm. Link	14 ft	-8.0 dB (NEXT)	11/07/2016 07:52 PM
REABILITACAO122	PASS	TIA Cat 6 Perm. Link	14 ft	3.6 dB (NEXT)	11/07/2016 07:52 PM
REABILITACAO123	FAIL	TIA Cat 6 Perm. Link	27 ft	-12.3 dB (NEXT)	11/07/2016 07:55 PM
REABILITACAO124	FAIL	TIA Cat 6 Perm. Link	22 ft	-0.2 dB (NEXT)	11/07/2016 08:03 PM
REABILITACAO125	FAIL	TIA Cat 6 Perm. Link	16 ft	-10.6 dB (NEXT)	11/07/2016 08:09 PM
REABILITACAO126	FAIL	TIA Cat 6 Perm. Link	14 ft	-7.8 dB (NEXT)	11/07/2016 08:11 PM
REABILITACAO127	FAIL	TIA Cat 6 Perm. Link	20 ft	-8.5 dB (NEXT)	11/09/2016 09:29 AM
REABILITACAO128	FAIL	TIA Cat 6 Perm. Link	20 ft	-8.3 dB (NEXT)	11/09/2016 09:36 AM
REABILITACAO129	FAIL	TIA Cat 6 Perm. Link	14 ft	-10.4 dB (NEXT)	11/09/2016 09:37 AM
REABILITACAO13	FAIL	TIA Cat 6 Perm. Link	31 ft	N/A	10/10/2016 08:10 PM
REABILITACAO130	FAIL	TIA Cat 6 Perm. Link	13 ft	-8.5 dB (NEXT)	11/09/2016 09:38 AM
REABILITACAO131	FAIL	TIA Cat 6 Perm. Link	13 ft	-5.6 dB (NEXT)	11/09/2016 09:38 AM
REABILITACAO132	PASS	TIA 1005 Cat 5e Perm. Link	20 ft	4.4 dB (NEXT)	11/09/2016 09:41 AM
REABILITACAO133	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-1.0 dB (NEXT)	11/09/2016 09:42 AM
REABILITACAO134	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	0.9 dB (NEXT)	11/09/2016 09:43 AM
REABILITACAO135	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	10.0 dB (NEXT)	11/09/2016 09:44 AM
REABILITACAO136	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.8 dB (NEXT)	11/09/2016 09:52 AM
REABILITACAO137	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.7 dB (NEXT)	11/09/2016 09:56 AM
REABILITACAO138	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-1.2 dB (NEXT)	11/09/2016 10:05 AM
REABILITACAO139	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.9 dB (NEXT)	11/09/2016 10:18 AM
REABILITACAO14	FAIL	TIA Cat 6 Perm. Link	27 ft	-41.2 dB (NEXT)	10/10/2016 08:12 PM
REABILITACAO15	PASS	TIA Cat 6 Perm. Link	27 ft	2.1 dB (NEXT)	10/10/2016 08:13 PM
REABILITACAO16	FAIL	TIA Cat 6 Perm. Link	52 ft	-15.8 dB (NEXT)	10/10/2016 08:14 PM
REABILITACAO17	FAIL	TIA Cat 6 Perm. Link	54 ft	-1.1 dB (NEXT)	10/10/2016 08:15 PM
REABILITACAO18	PASS	TIA Cat 6 Perm. Link	11 ft	1.1 dB (NEXT)	10/10/2016 08:35 PM
REABILITACAO19	FAIL	TIA Cat 6 Perm. Link	16 ft	N/A	10/10/2016 08:36 PM
REABILITACAO20	FAIL	TIA Cat 6 Perm. Link	14 ft	-8.5 dB (NEXT)	10/10/2016 08:38 PM
REABILITACAO21	PASS	TIA Cat 6 Perm. Link	14 ft	3.1 dB (NEXT)	10/10/2016 08:38 PM
REABILITACAO22	FAIL	TIA Cat 6 Perm. Link	75 ft	-16.6 dB (NEXT)	10/10/2016 08:40 PM
REABILITACAO23	FAIL	TIA Cat 6 Perm. Link	15 ft	-6.1 dB (NEXT)	10/10/2016 08:41 PM
REABILITACAO24	FAIL	TIA Cat 6 Perm. Link	15 ft	-6.1 dB (NEXT)	10/10/2016 08:42 PM
REABILITACAO25	FAIL	TIA Cat 6 Perm. Link	16 ft	-0.5 dB (NEXT)	10/10/2016 08:43 PM
REABILITACAO26	PASS	TIA Cat 6 Perm. Link	11 ft	4.9 dB (NEXT)	10/10/2016 08:44 PM
REABILITACAO27	PASS*	TIA Cat 6 Perm. Link	11 ft	0.8 dB (NEXT)	10/10/2016 08:44 PM
REABILITACAO28	FAIL	TIA Cat 6 Perm. Link	78 ft	-17.1 dB (NEXT)	10/10/2016 08:46 PM
REABILITACAO29	FAIL	TIA Cat 6 Perm. Link	68 ft	-18.0 dB (NEXT)	10/10/2016 08:46 PM
REABILITACAO30	FAIL	TIA Cat 6 Perm. Link	32 ft	-16.5 dB (NEXT)	10/10/2016 08:48 PM
REABILITACAO31	FAIL	TIA Cat 6 Perm. Link	32 ft	-19.2 dB (NEXT)	10/10/2016 08:48 PM
REABILITACAO32	FAIL	TIA Cat 6 Perm. Link	27 ft	N/A	10/10/2016 08:49 PM
REABILITACAO33	FAIL	TIA Cat 6 Perm. Link	16 ft	N/A	10/10/2016 08:50 PM
REABILITACAO34	FAIL	TIA Cat 6 Perm. Link	14 ft	-8.5 dB (NEXT)	10/10/2016 08:50 PM
REABILITACAO35	FAIL	TIA Cat 6 Perm. Link	77 ft	-19.3 dB (NEXT)	10/10/2016 08:51 PM
REABILITACAO36	FAIL	TIA Cat 6 Perm. Link	62 ft	-17.5 dB (NEXT)	10/10/2016 08:55 PM
REABILITACAO37	FAIL	TIA Cat 6 Perm. Link	78 ft	-17.1 dB (NEXT)	10/10/2016 09:00 PM
REABILITACAO38	FAIL	TIA Cat 6 Perm. Link	78 ft	-17.1 dB (NEXT)	10/10/2016 09:02 PM
REABILITACAO39	FAIL	TIA Cat 6 Perm. Link	22 ft	-13.1 dB (NEXT)	10/10/2016 09:12 PM
REABILITACAO40	FAIL	TIA Cat 6 Perm. Link	22 ft	-13.2 dB (NEXT)	10/10/2016 09:12 PM
REABILITACAO41	FAIL	TIA Cat 6 Perm. Link	22 ft	-1.4 dB (NEXT)	10/10/2016 09:12 PM
REABILITACAO42	FAIL	TIA Cat 6 Perm. Link	22 ft	-1.7 dB (NEXT)	10/10/2016 09:16 PM
REABILITACAO43	FAIL	TIA Cat 6 Perm. Link	22 ft	-0.7 dB (NEXT)	10/10/2016 09:18 PM
REABILITACAO44	PASS*	TIA Cat 6 Perm. Link	22 ft	0.0 dB (NEXT)	10/10/2016 09:20 PM
REABILITACAO45	FAIL	TIA Cat 6 Perm. Link	27 ft	-13.1 dB (NEXT)	10/10/2016 09:24 PM
REABILITACAO46	FAIL	TIA Cat 6 Perm. Link	16 ft	-11.2 dB (NEXT)	10/10/2016 09:27 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
REABILITACAO47	FAIL	TIA Cat 6 Perm. Link	68 ft	-18.0 dB (NEXT)	10/10/2016 09:28 PM
REABILITACAO48	FAIL	TIA Cat 6 Perm. Link	78 ft	-17.1 dB (NEXT)	10/10/2016 09:29 PM
REABILITACAO49	FAIL	TIA Cat 6 Perm. Link	27 ft	-13.4 dB (NEXT)	10/10/2016 09:31 PM
REABILITACAO5	FAIL	TIA Cat 6 Perm. Link	22 ft	-1.0 dB (NEXT)	10/10/2016 07:59 PM
REABILITACAO50	FAIL	TIA Cat 6 Perm. Link	27 ft	-13.4 dB (NEXT)	10/10/2016 09:32 PM
REABILITACAO51	FAIL	TIA Cat 6 Perm. Link	27 ft	-13.2 dB (NEXT)	10/10/2016 09:34 PM
REABILITACAO52	FAIL	TIA Cat 6 Perm. Link	27 ft	-13.2 dB (NEXT)	10/10/2016 09:35 PM
REABILITACAO53	FAIL	TIA Cat 6 Perm. Link	27 ft	-13.1 dB (NEXT)	10/10/2016 09:36 PM
REABILITACAO54	FAIL	TIA 1005 Cat 5e Perm. Link	32 ft	-7.0 dB (NEXT)	10/10/2016 09:40 PM
REABILITACAO55	FAIL	TIA 1005 Cat 5e Perm. Link	27 ft	-2.3 dB (NEXT)	10/10/2016 09:44 PM
REABILITACAO56	FAIL	TIA Cat 6A Perm. Link	27 ft	-12.7 dB (NEXT)	10/10/2016 09:44 PM
REABILITACAO57	FAIL	TIA Cat 6 Perm. Link	27 ft	-12.8 dB (NEXT)	10/10/2016 09:45 PM
REABILITACAO58	FAIL	TIA Cat 6 Perm. Link	68 ft	-17.9 dB (NEXT)	10/10/2016 09:48 PM
REABILITACAO59	FAIL	TIA Cat 6 Perm. Link	18 ft	-8.7 dB (NEXT)	10/20/2016 04:48 PM
REABILITACAO6	FAIL	TIA Cat 6 Perm. Link	22 ft	-13.8 dB (NEXT)	10/10/2016 08:00 PM
REABILITACAO60	FAIL	TIA Cat 6 Perm. Link	18 ft	-8.7 dB (NEXT)	10/20/2016 04:53 PM
REABILITACAO61	FAIL	TIA Cat 6 Perm. Link	18 ft	-8.7 dB (NEXT)	10/20/2016 04:54 PM
REABILITACAO62	FAIL	TIA Cat 6 Perm. Link	41 ft	-20.2 dB (NEXT)	10/20/2016 06:13 PM
REABILITACAO63	FAIL	TIA 1005 Cat 5e Perm. Link	41 ft	-10.7 dB (NEXT)	10/20/2016 06:14 PM
REABILITACAO64	FAIL	TIA 1005 Cat 5e Perm. Link	40 ft	-19.7 dB (NEXT)	10/20/2016 06:18 PM
REABILITACAO65	FAIL	TIA 1005 Cat 5e Perm. Link	65 ft	-7.0 dB (NEXT)	10/20/2016 06:20 PM
REABILITACAO66	FAIL	TIA Cat 6 Perm. Link	65 ft	-16.5 dB (NEXT)	10/20/2016 06:20 PM
REABILITACAO67	FAIL	TIA Cat 6 Perm. Link	69 ft	-16.6 dB (NEXT)	10/20/2016 06:26 PM
REABILITACAO68	FAIL	TIA Cat 6 Perm. Link	79 ft	-16.0 dB (NEXT)	10/20/2016 06:32 PM
REABILITACAO69	FAIL	TIA Cat 6 Perm. Link	79 ft	-21.7 dB (NEXT)	10/20/2016 06:36 PM
REABILITACAO7	FAIL	TIA Cat 6 Perm. Link	22 ft	-13.8 dB (NEXT)	10/10/2016 08:01 PM
REABILITACAO70	FAIL	TIA Cat 6 Perm. Link	63 ft	-18.9 dB (NEXT)	10/20/2016 06:38 PM
REABILITACAO71	FAIL	TIA Cat 6 Perm. Link	48 ft	-16.3 dB (NEXT)	10/20/2016 06:40 PM
REABILITACAO72	FAIL	TIA Cat 6 Perm. Link	65 ft	-16.6 dB (NEXT)	10/20/2016 06:53 PM
REABILITACAO73	FAIL	TIA Cat 6 Perm. Link	12 ft	-12.2 dB (NEXT)	10/20/2016 06:55 PM
REABILITACAO74	FAIL	TIA Cat 6 Perm. Link	19 ft	-14.1 dB (NEXT)	10/20/2016 06:57 PM
REABILITACAO75	FAIL	TIA Cat 6 Perm. Link	29 ft	-15.6 dB (NEXT)	10/20/2016 06:59 PM
REABILITACAO76	FAIL	TIA Cat 6 Perm. Link	29 ft	-12.7 dB (NEXT)	10/20/2016 07:00 PM
REABILITACAO77	PASS*	TIA Cat 6 Perm. Link	27 ft	0.4 dB (NEXT)	10/20/2016 07:00 PM
REABILITACAO78	FAIL	TIA Cat 6 Perm. Link	32 ft	-17.9 dB (NEXT)	10/20/2016 07:02 PM
REABILITACAO79	FAIL	TIA Cat 6 Perm. Link	31 ft	-14.9 dB (NEXT)	10/20/2016 07:03 PM
REABILITACAO8	FAIL	TIA Cat 6 Perm. Link	28 ft	-14.7 dB (NEXT)	10/10/2016 08:02 PM
REABILITACAO80	FAIL	TIA Cat 6 Perm. Link	18 ft	-9.1 dB (NEXT)	10/20/2016 07:04 PM
REABILITACAO81	FAIL	TIA Cat 6 Perm. Link	20 ft	-10.8 dB (NEXT)	10/20/2016 07:04 PM
REABILITACAO82	FAIL	TIA Cat 6 Perm. Link	20 ft	-10.8 dB (NEXT)	10/20/2016 07:05 PM
REABILITACAO83	FAIL	TIA 1005 Cat 5e Perm. Link	29 ft	-5.4 dB (NEXT)	10/20/2016 07:07 PM
REABILITACAO84	PASS	TIA Cat 6 Perm. Link	14 ft	5.5 dB (NEXT)	10/20/2016 07:10 PM
REABILITACAO85	PASS	TIA Cat 6 Perm. Link	18 ft	3.8 dB (NEXT)	10/20/2016 07:12 PM
REABILITACAO86	FAIL	TIA Cat 6 Perm. Link	1 ft	-8.6 dB (NEXT)	10/20/2016 07:13 PM
REABILITACAO87	PASS	TIA 1005 Cat 5e Perm. Link	16 ft	17.8 dB (NEXT)	10/25/2016 09:42 AM
REABILITACAO88	PASS	TIA 1005 Cat 5e Perm. Link	18 ft	12.3 dB (NEXT)	10/25/2016 09:44 AM
REABILITACAO89	PASS	TIA 1005 Cat 5e Perm. Link	16 ft	12.4 dB (NEXT)	10/25/2016 09:44 AM
REABILITACAO9	FAIL	TIA Cat 6 Perm. Link	20 ft	N/A	10/10/2016 08:03 PM
REABILITACAO90	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	14.1 dB (NEXT)	10/25/2016 09:57 AM
REABILITACAO91	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	14.1 dB (NEXT)	10/25/2016 09:57 AM
REABILITACAO92	PASS	TIA 1005 Cat 5e Perm. Link	10 ft	8.0 dB (NEXT)	10/25/2016 09:59 AM
REABILITACAO93	FAIL	TIA 1005 Cat 5e Perm. Link	19 ft	-0.4 dB (NEXT)	10/25/2016 10:00 AM
REABILITACAO94	PASS	TIA 1005 Cat 5e Perm. Link	21 ft	16.4 dB (NEXT)	10/25/2016 10:03 AM
REABILITACAO95	PASS	TIA 1005 Cat 5e Perm. Link	29 ft	13.8 dB (NEXT)	10/25/2016 10:05 AM
REABILITACAO96	PASS*	TIA 1005 Cat 5e Perm. Link	11 ft	0.3 dB (NEXT)	10/25/2016 10:12 AM
REABILITACAO97	PASS	TIA 1005 Cat 5e Perm. Link	11 ft	16.5 dB (NEXT)	10/25/2016 10:13 AM
REABILITACAO98	FAIL	TIA 1005 Cat 5e Perm. Link	24 ft	-5.4 dB (NEXT)	10/25/2016 10:14 AM
REABILITACAO99	PASS	TIA 1005 Cat 5e Perm. Link	24 ft	15.4 dB (NEXT)	10/25/2016 10:17 AM

Total Length:	3891 ft
Number of Reports:	135
Number of Passing Reports:	32
Number of Failing Reports:	103
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: REABILITACAO10

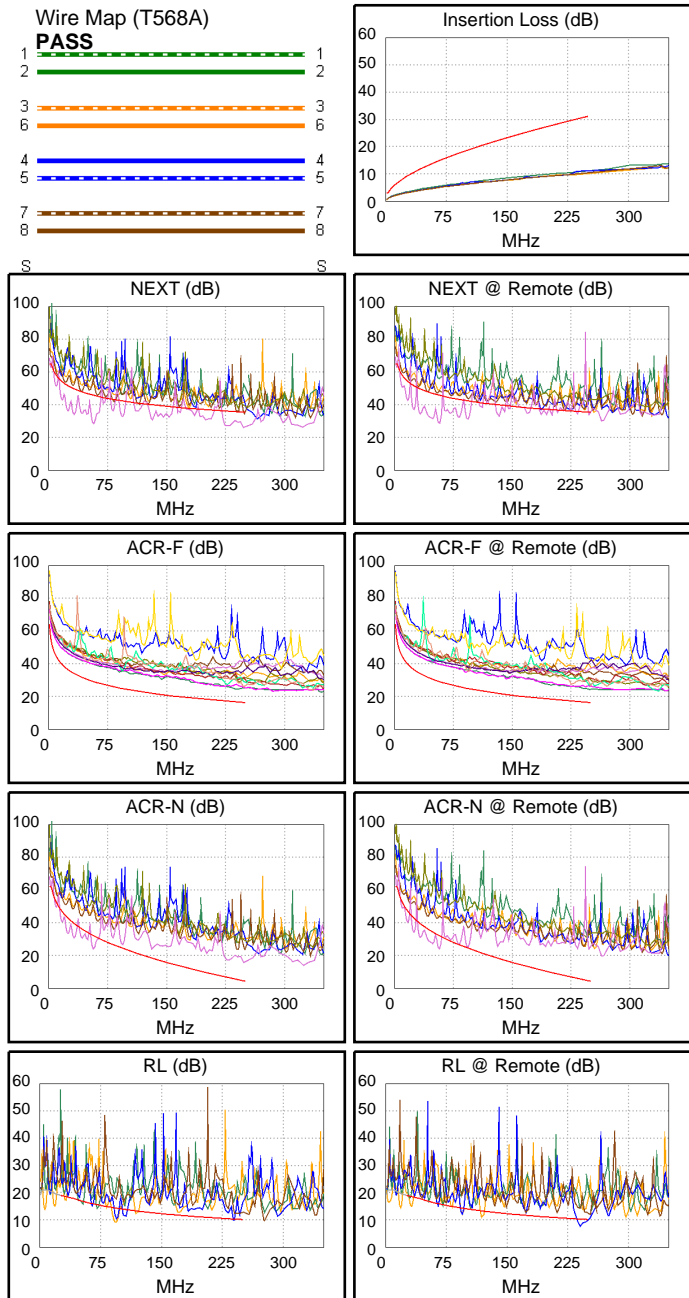
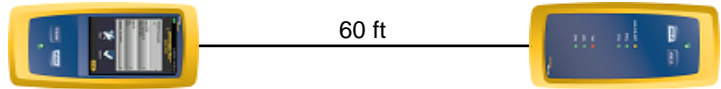
Date / Time: 10/10/2016 08:05:54 PM
Headroom -17.4 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	60
Prop. Delay (ns), Limit 498	[Pair 36]	91
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	8.0
Insertion Loss Margin (dB)	[Pair 45]	18.4
Frequency (MHz)	[Pair 45]	240.5
Limit (dB)	[Pair 45]	30.4



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-17.4 F	-17.3 F	-10.3	-17.3
Freq. (MHz)	57.3	57.0	249.5	57.0
Limit (dB)	45.8	45.8	35.4	45.8
Worst Pair	45	45	45	45
PS NEXT (dB)	-14.9 F	-14.9 F	-8.1	-14.8
Freq. (MHz)	57.3	56.5	249.5	57.0
Limit (dB)	43.3	43.4	32.7	43.3
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	7.7	7.9	7.7	7.9
Freq. (MHz)	239.5	247.5	239.5	247.5
Limit (dB)	16.6	16.3	16.6	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	8.4	8.6	8.6	8.6
Freq. (MHz)	242.0	250.0	248.5	250.0
Limit (dB)	13.5	13.2	13.3	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.6	-8.9	10.8	17.9
Freq. (MHz)	24.1	24.3	249.5	249.5
Limit (dB)	43.1	43.0	4.3	4.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	-7.2	-6.6	12.1	19.3
Freq. (MHz)	24.1	24.3	249.5	249.5
Limit (dB)	40.6	40.6	1.7	1.7
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	45
RL (dB)	-5.3 F	-3.7 F	-5.3	-2.7
Freq. (MHz)	94.3	32.0	94.3	240.0
Limit (dB)	14.3	18.5	14.3	10.2



Cable ID: REABILITACAO100

Date / Time: 10/25/2016 10:19:06 AM

Headroom 7.0 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

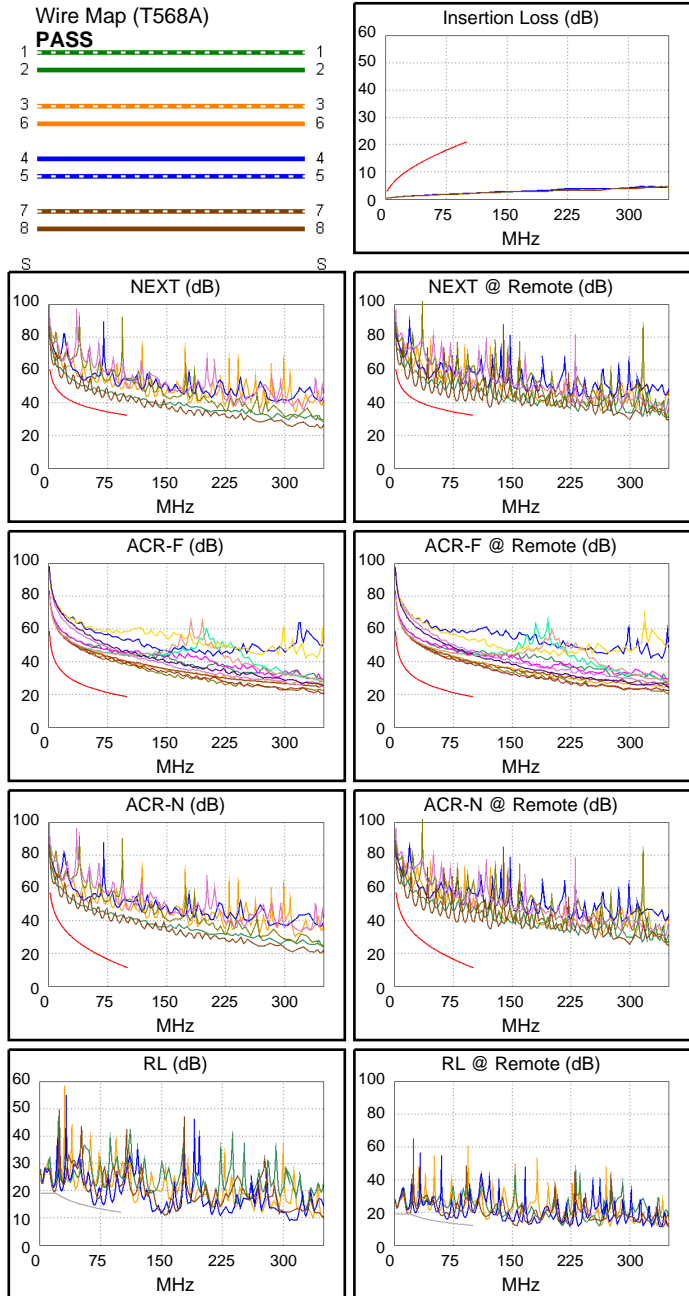
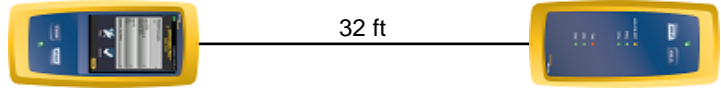
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 45]	50
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 12]	1.9
Insertion Loss Margin (dB)	[Pair 45]	18.9
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	7.6	7.0	7.8	8.0
Freq. (MHz)	79.3	79.3	90.3	90.3
Limit (dB)	34.0	34.0	33.0	33.0
Worst Pair	45	45	45	45
PS NEXT (dB)	9.0	9.5	9.4	10.9
Freq. (MHz)	89.8	79.0	100.0	100.0
Limit (dB)	30.1	31.0	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.4	19.5	19.6	19.7
Freq. (MHz)	92.8	92.8	100.0	100.0
Limit (dB)	19.3	19.3	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	20.0	19.8	20.0	19.9
Freq. (MHz)	97.0	93.5	97.0	100.0
Limit (dB)	15.9	16.2	15.9	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	15.1	15.2	27.5	25.8
Freq. (MHz)	5.1	4.6	100.0	90.3
Limit (dB)	48.7	49.6	11.3	13.2
Worst Pair	45	45	45	45
PS ACR-N (dB)	17.2	17.3	28.3	29.8
Freq. (MHz)	5.1	4.6	100.0	100.0
Limit (dB)	45.7	46.6	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	45
RL (dB)	0.5	-0.4	0.9	2.2
Freq. (MHz)	18.4	18.0	67.8	67.3
Limit (dB)	19.0	19.0	13.7	13.7

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



Cable ID: REABILITACAO101

Date / Time: 10/26/2016 07:54:04 AM

Headroom 1.9 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

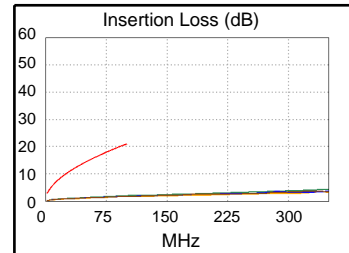
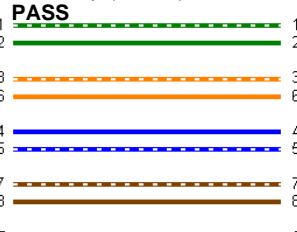
Length (ft), Limit 295	[Pair 12]	16
Prop. Delay (ns), Limit 498	[Pair 36]	23
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	19.1
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



16 ft

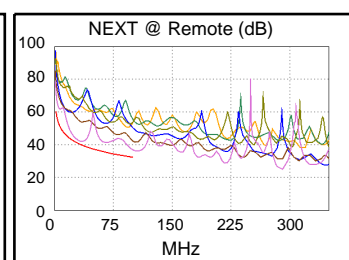
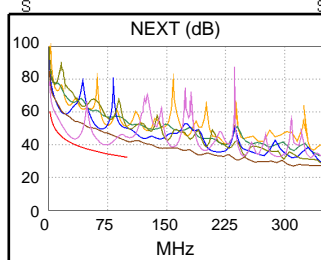


Wire Map (T568A)

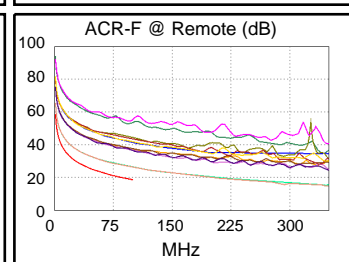
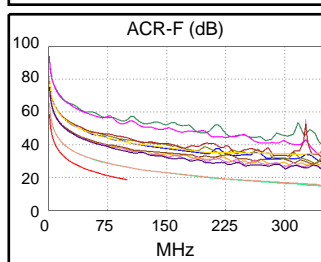


Worst Case Margin Worst Case Value

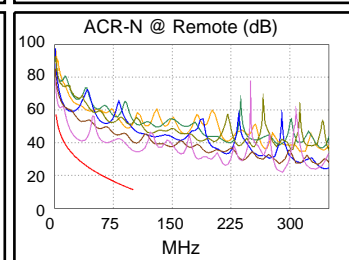
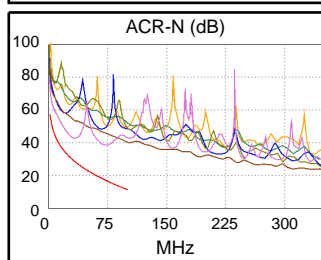
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	3.2	1.9	5.3	4.5
Freq. (MHz)	31.5	33.0	73.3	100.0
Limit (dB)	40.5	40.2	34.5	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	5.9	4.6	7.6	6.4
Freq. (MHz)	31.5	33.0	75.0	100.0
Limit (dB)	37.5	37.2	31.4	29.3



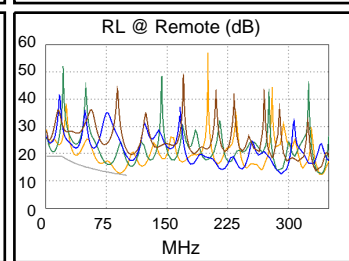
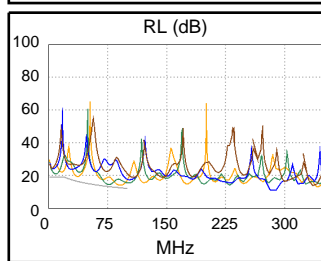
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	6.9	6.9	7.5	7.5
Freq. (MHz)	1.1	4.0	100.0	100.0
Limit (dB)	57.6	46.6	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	9.4	9.4	10.1	10.1
Freq. (MHz)	1.1	4.0	100.0	100.0
Limit (dB)	54.6	43.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	13.1	11.8	21.6	23.9
Freq. (MHz)	27.5	26.4	73.3	100.0
Limit (dB)	31.0	31.5	16.8	11.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.8	14.6	24.2	25.7
Freq. (MHz)	27.5	26.4	75.0	100.0
Limit (dB)	28.0	28.5	13.4	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	12	12
RL (dB)	1.2	0.4	1.6	0.4
Freq. (MHz)	76.8	92.0	92.3	92.0
Limit (dB)	13.2	12.4	12.4	12.4



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



Cable ID: REABILITACAO102

Date / Time: 10/26/2016 07:55:38 AM

Headroom **6.0 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

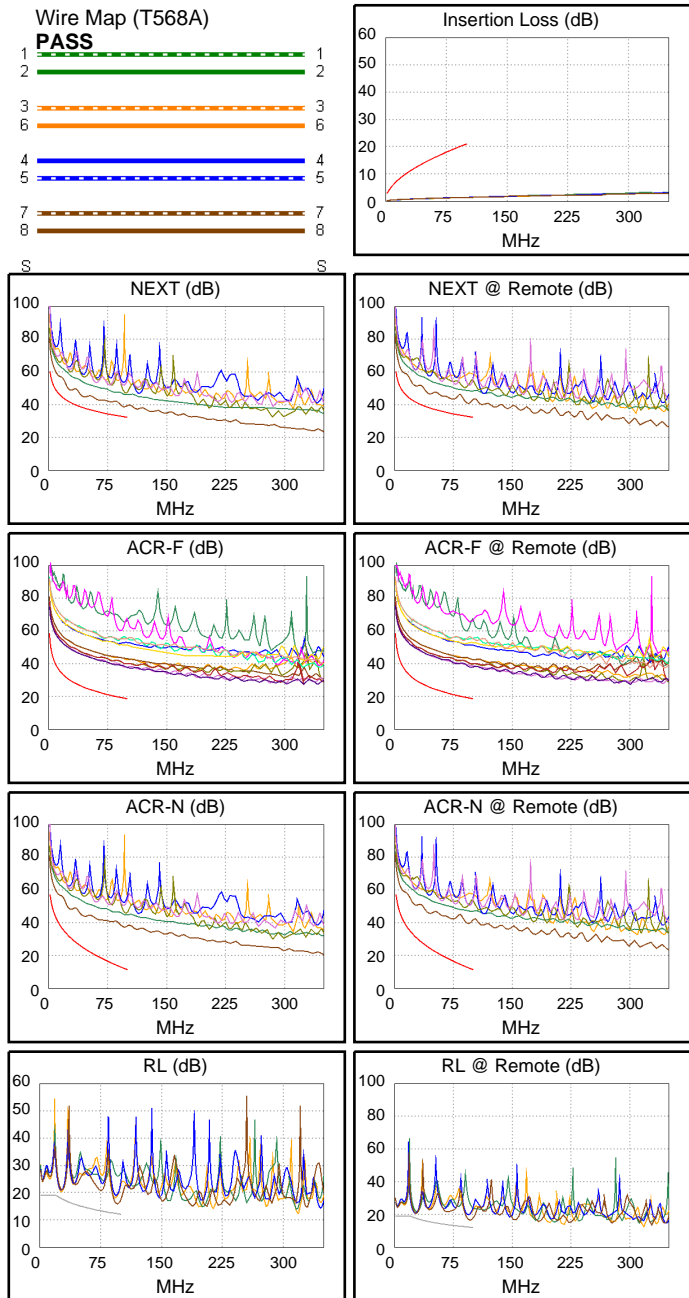
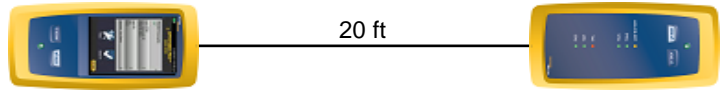
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	20
Prop. Delay (ns), Limit 498	[Pair 12]	31
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.4
Insertion Loss Margin (dB)	[Pair 45]	19.6
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.0	8.0	6.2	8.1
Freq. (MHz)	95.3	93.8	96.8	94.5
Limit (dB)	32.7	32.8	32.5	32.7
Worst Pair	45	45	45	45
PS NEXT (dB)	8.1	10.0	8.3	10.1
Freq. (MHz)	95.3	93.8	96.8	94.5
Limit (dB)	29.7	29.8	29.5	29.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	36-78
ACR-F (dB)	17.5	17.4	19.1	19.1
Freq. (MHz)	3.0	3.0	100.0	100.0
Limit (dB)	49.1	49.1	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.1	17.2	19.2	19.2
Freq. (MHz)	1.0	1.1	100.0	98.0
Limit (dB)	55.6	54.6	15.6	15.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	16.1	16.5	25.4	27.1
Freq. (MHz)	4.5	6.3	96.8	94.5
Limit (dB)	49.8	46.9	11.9	12.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	18.2	18.4	27.5	29.1
Freq. (MHz)	6.9	6.3	96.8	94.5
Limit (dB)	43.0	43.9	8.9	9.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	45	78	78
RL (dB)	2.4	2.9	3.6	4.5
Freq. (MHz)	26.0	26.6	96.3	97.0
Limit (dB)	17.9	17.8	12.2	12.1

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



Cable ID: REABILITACAO103

Date / Time: 10/26/2016 07:56:33 AM

Headroom 10.0 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

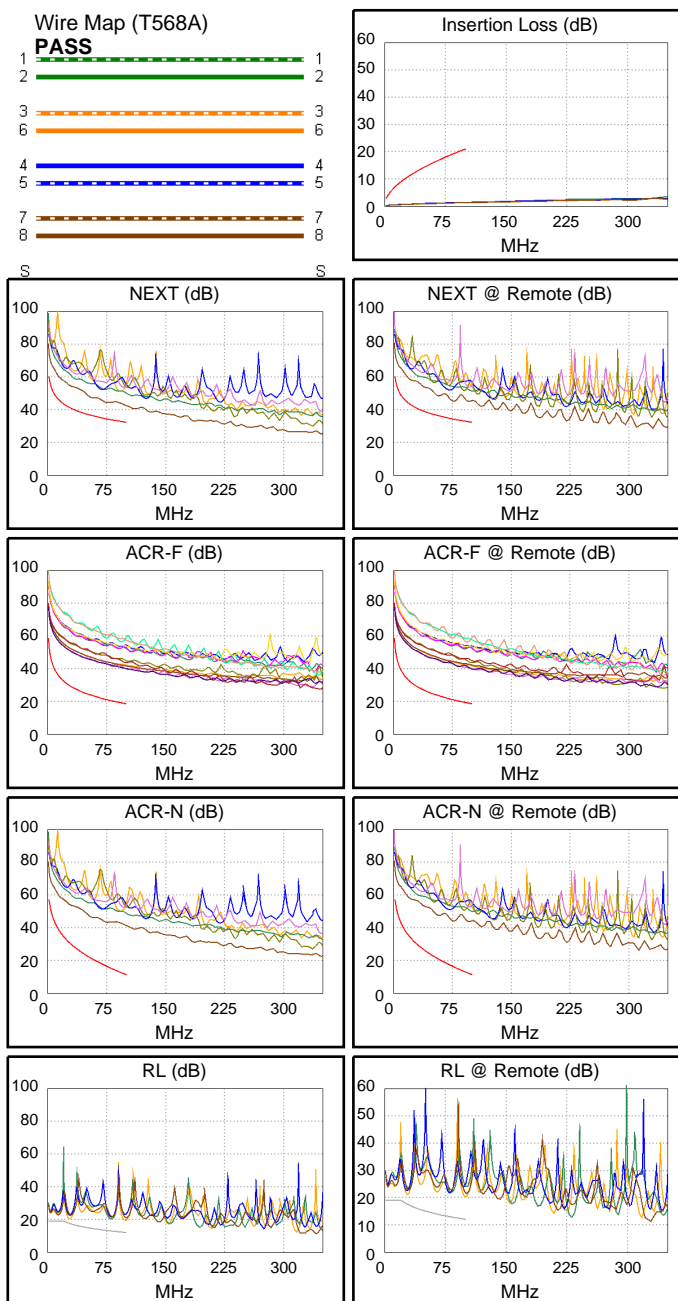
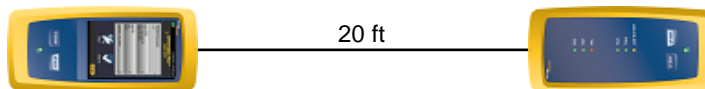
Main S/N: 2420012

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 78]	1.3
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	10.0	10.9	10.2	12.4
Freq. (MHz)	74.0	76.0	100.0	96.5
Limit (dB)	34.5	34.3	32.3	32.6
Worst Pair	45	45	45	45
PS NEXT (dB)	12.1	13.2	12.3	14.1
Freq. (MHz)	74.0	76.0	100.0	96.5
Limit (dB)	31.5	31.3	29.3	29.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	78-36
ACR-F (dB)	20.0	20.0	21.3	21.2
Freq. (MHz)	4.0	3.9	100.0	100.0
Limit (dB)	46.6	46.8	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.0	18.7	21.4	21.3
Freq. (MHz)	1.5	1.1	100.0	100.0
Limit (dB)	52.1	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)	17.0	17.6	29.9	32.0
Freq. (MHz)	2.4	1.9	100.0	97.3
Limit (dB)	55.3	57.0	11.3	11.8
Worst Pair	36	45	45	45
PS ACR-N (dB)	19.6	20.0	32.0	33.7
Freq. (MHz)	2.4	1.9	100.0	97.5
Limit (dB)	52.3	54.0	8.3	8.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	2.8	3.6	7.4	8.1
Freq. (MHz)	27.9	27.9	99.5	100.0
Limit (dB)	17.6	17.6	12.0	12.0

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



Cable ID: REABILITACAO104

Date / Time: 10/26/2016 07:57:51 AM

Headroom 9.1 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

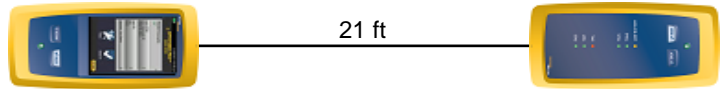
Main S/N: 2420012

Remote S/N: 2420016

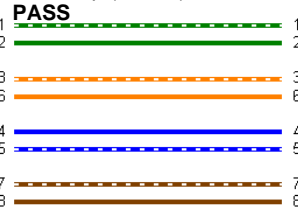
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

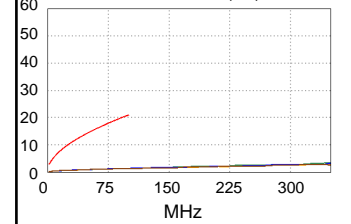
Length (ft), Limit 295	[Pair 36]	21
Prop. Delay (ns), Limit 498	[Pair 45]	32
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.4
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

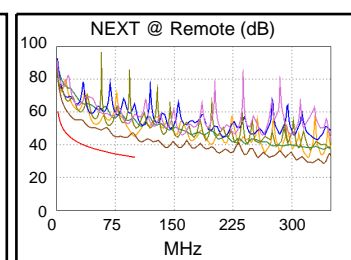
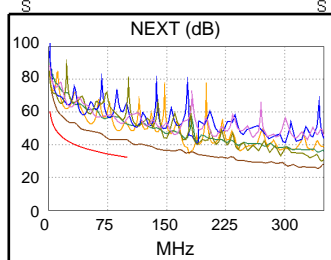


Insertion Loss (dB)

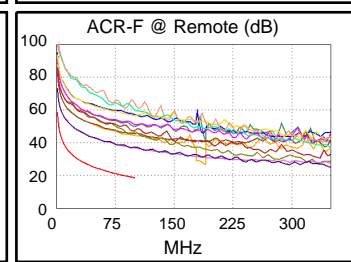
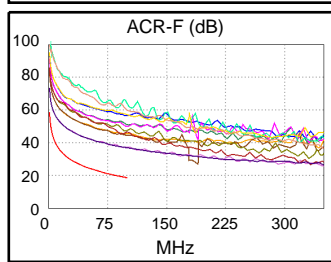


Worst Case Margin Worst Case Value

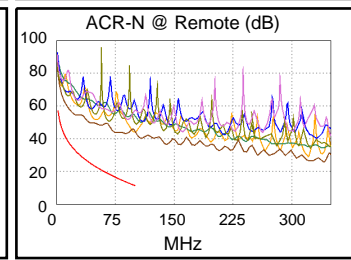
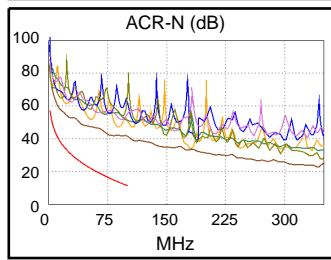
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	9.1	10.5	10.7	11.3
Freq. (MHz)	79.3	76.0	100.0	89.0
Limit (dB)	34.0	34.3	32.3	33.1
Worst Pair	36	36	36	36
PS NEXT (dB)	11.7	12.7	11.9	12.7
Freq. (MHz)	86.0	100.0	90.8	100.0
Limit (dB)	30.4	29.3	30.0	29.3



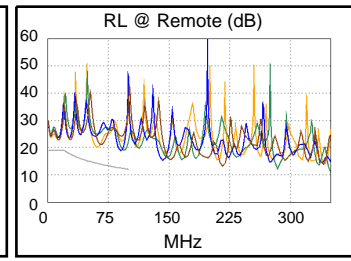
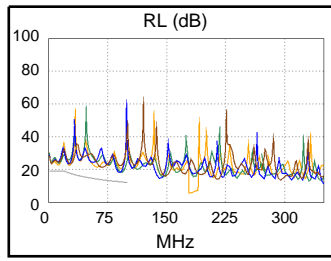
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	78-36	36-78
ACR-F (dB)	15.2	15.2	17.9	18.0
Freq. (MHz)	2.3	2.3	100.0	100.0
Limit (dB)	51.6	51.6	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.0	16.9	20.0	20.1
Freq. (MHz)	1.1	1.0	100.0	96.3
Limit (dB)	54.6	55.6	15.6	15.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	19.2	20.3	30.4	29.9
Freq. (MHz)	10.8	10.1	100.0	89.8
Limit (dB)	41.6	42.2	11.3	13.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	19.7	20.5	30.9	32.4
Freq. (MHz)	2.4	1.9	92.5	100.0
Limit (dB)	52.3	54.0	9.8	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	3.7	3.8	5.7	6.5
Freq. (MHz)	12.4	13.1	91.0	91.0
Limit (dB)	19.0	19.0	12.4	12.4



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



Cable ID: REABILITACAO105

Date / Time: 11/07/2016 06:48:21 PM

Headroom -16.5 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

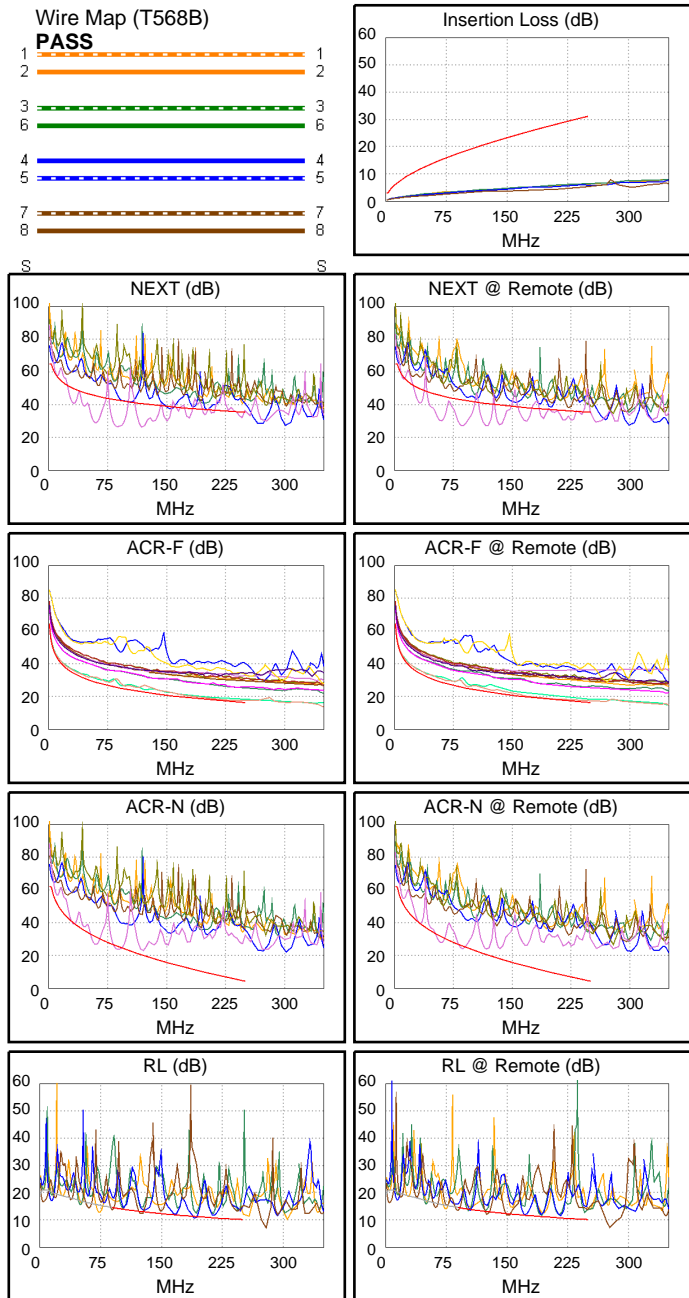
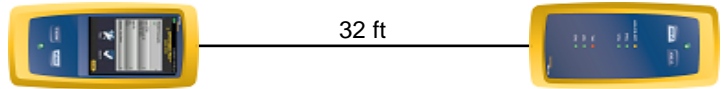
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.4
Insertion Loss Margin (dB)	[Pair 36]	24.2
Frequency (MHz)	[Pair 36]	246.0
Limit (dB)	[Pair 36]	30.8



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.5 F	-15.9 F	-14.3	-13.6
Freq. (MHz)	59.8	86.3	120.0	118.5
Limit (dB)	45.5	42.9	40.6	40.6
Worst Pair	45	45	45	45
PS NEXT (dB)	-14.0 F	-13.4 F	-11.7	-11.1
Freq. (MHz)	59.8	86.3	120.0	118.5
Limit (dB)	43.0	40.4	38.0	38.1

	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	0.0*	0.1*	1.2	0.9
Freq. (MHz)	207.0	191.0	250.0	245.0
Limit (dB)	17.9	18.6	16.2	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.4	2.5	3.4	3.1
Freq. (MHz)	207.0	191.0	250.0	245.0
Limit (dB)	14.9	15.6	13.2	13.4

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.8	-3.8	2.9	3.5
Freq. (MHz)	59.5	58.8	120.0	118.5
Limit (dB)	31.5	31.7	20.0	20.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	-2.6	-1.7	5.0	8.1
Freq. (MHz)	59.5	58.0	120.0	135.0
Limit (dB)	29.0	29.4	17.5	15.2

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	12	12	45	78
RL (dB)	-2.7 F	-1.4 F	-0.7	-0.8
Freq. (MHz)	73.3	74.8	192.0	152.0
Limit (dB)	15.4	15.3	11.2	12.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO106

Date / Time: 11/07/2016 06:49:11 PM

Headroom -16.5 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

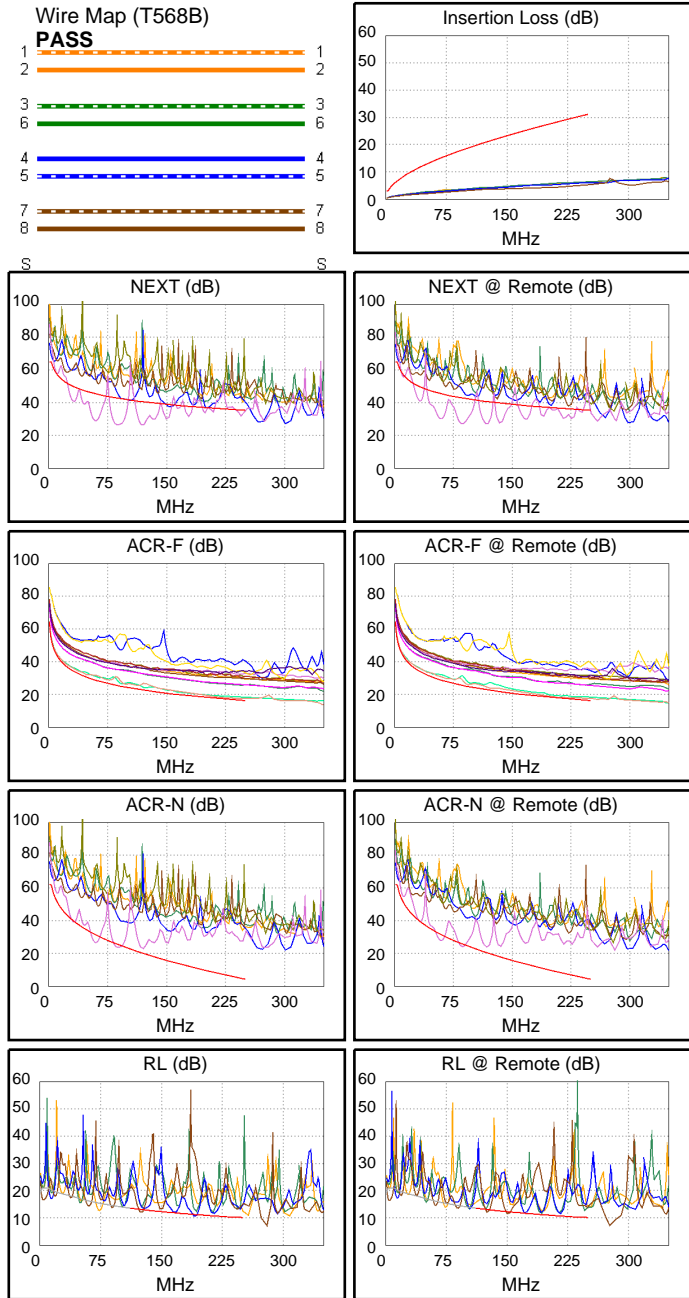
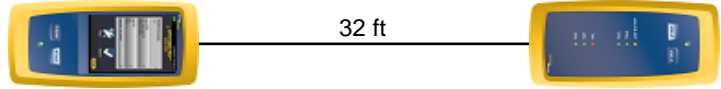
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.4
Insertion Loss Margin (dB)	[Pair 36]	24.1
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.5 F	-15.9 F	-14.4	-13.6
Freq. (MHz)	59.8	86.3	120.0	118.5
Limit (dB)	45.5	42.9	40.6	40.6
Worst Pair	45	45	45	45
PS NEXT (dB)	-14.0 F	-13.4 F	-11.8	-11.1
Freq. (MHz)	59.8	86.3	120.0	118.5
Limit (dB)	43.0	40.4	38.0	38.1
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	0.0*	0.1*	1.2	0.9
Freq. (MHz)	209.5	209.5	249.5	244.5
Limit (dB)	17.8	17.8	16.2	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.4	2.5	3.4	3.1
Freq. (MHz)	209.5	191.0	249.5	244.5
Limit (dB)	14.8	15.6	13.2	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.9	-3.8	2.9	3.5
Freq. (MHz)	58.8	59.0	120.0	118.5
Limit (dB)	31.7	31.6	20.0	20.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	-2.7	-1.6	4.9	5.6
Freq. (MHz)	58.8	59.0	120.0	118.5
Limit (dB)	29.2	29.1	17.5	17.7
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	78
RL (dB)	-2.8 F	-1.5 F	-0.8	-0.8
Freq. (MHz)	73.3	74.8	192.0	152.0
Limit (dB)	15.4	15.3	11.2	12.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO107

Date / Time: 11/07/2016 06:49:37 PM

Headroom -7.0 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

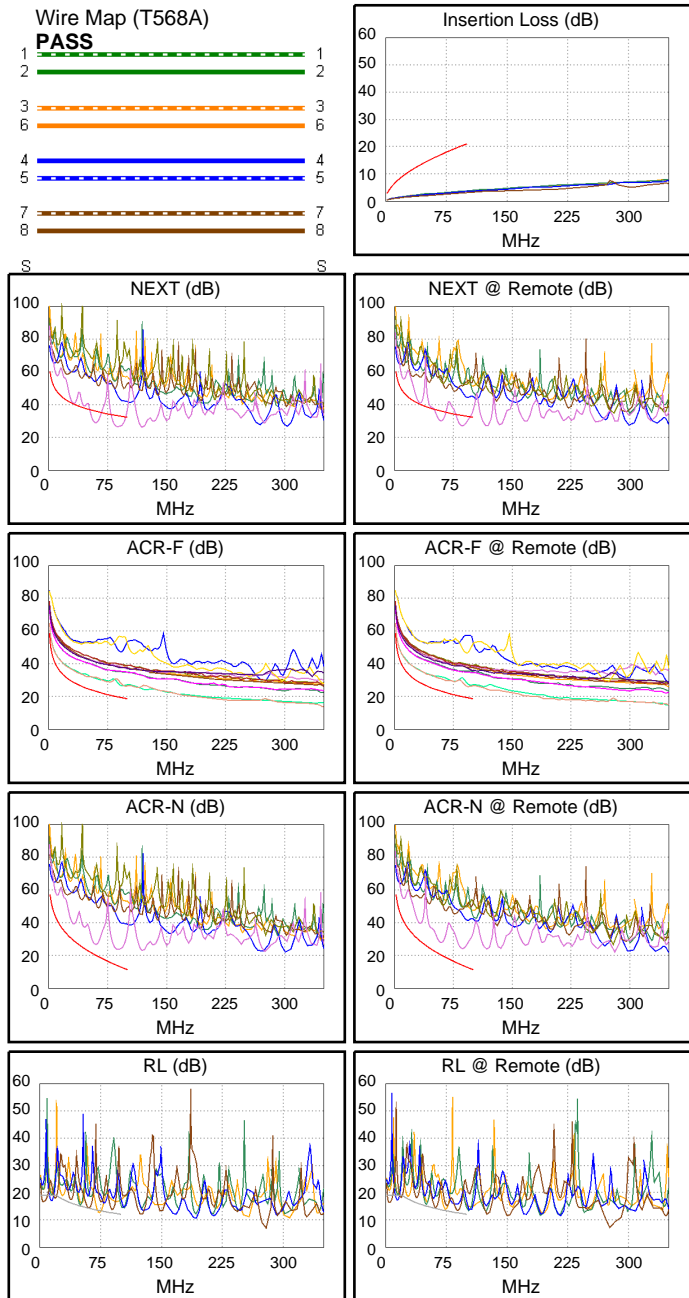
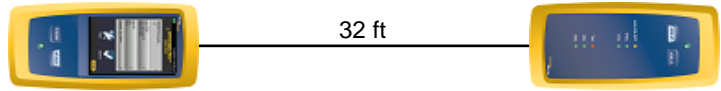
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.4
Insertion Loss Margin (dB)	[Pair 36]	17.1
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-7.0F	-6.4F	-6.6	-6.4
Freq. (MHz)	59.8	86.3	88.5	86.3
Limit (dB)	36.0	33.4	33.2	33.4
Worst Pair	45	45	78	45
PS NEXT (dB)	-4.0F	-3.4F	-3.7	-3.4
Freq. (MHz)	59.8	86.3	88.5	86.3
Limit (dB)	33.0	30.4	30.2	30.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	6.3	6.3	7.6	6.9
Freq. (MHz)	1.3	2.5	99.5	94.8
Limit (dB)	56.7	50.7	18.7	19.1
Worst Pair	45	45	45	45
PS ACR-F (dB)	8.5	8.5	9.8	9.2
Freq. (MHz)	7.6	1.1	99.5	94.8
Limit (dB)	38.0	54.6	15.7	16.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	6.4	7.5	10.1	10.2
Freq. (MHz)	58.8	59.0	88.5	86.3
Limit (dB)	20.4	20.3	13.6	14.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	9.1	10.1	12.7	13.0
Freq. (MHz)	58.8	58.3	88.5	87.3
Limit (dB)	17.4	17.5	10.6	10.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-0.8F	0.5*	-0.7	0.9
Freq. (MHz)	73.3	74.5	74.0	89.5
Limit (dB)	13.4	13.3	13.3	12.5

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO108

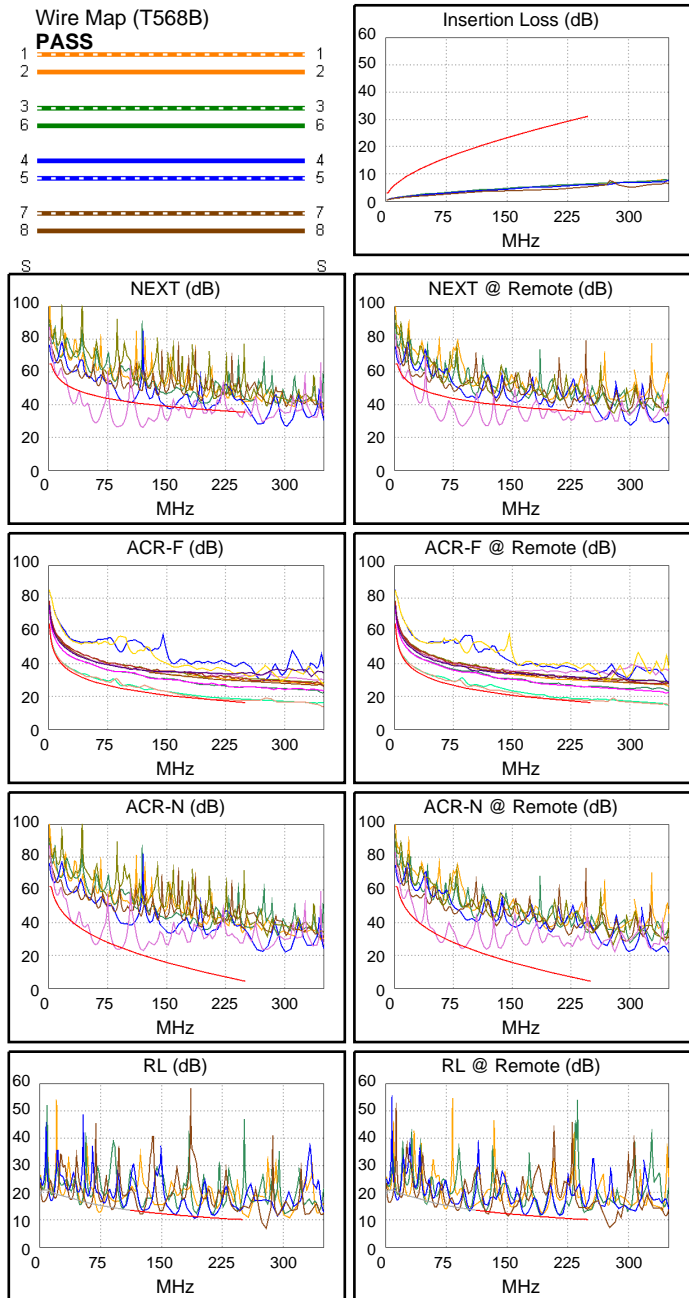
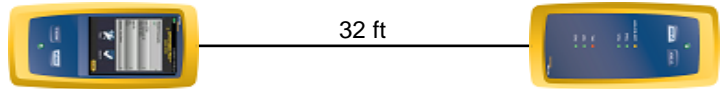
Date / Time: 11/07/2016 06:50:11 PM
Headroom -16.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.4
Insertion Loss Margin (dB)	[Pair 36]	24.1
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.5 F	-15.9 F	-14.4	-13.6
Freq. (MHz)	59.8	86.5	120.0	118.5
Limit (dB)	45.5	42.9	40.6	40.6
Worst Pair	45	45	45	45
PS NEXT (dB)	-14.0 F	-13.4 F	-11.8	-11.1
Freq. (MHz)	59.8	86.3	120.0	118.5
Limit (dB)	43.0	40.4	38.0	38.1
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	0.0*	0.1*	1.1	0.9
Freq. (MHz)	209.5	209.5	250.0	244.5
Limit (dB)	17.8	17.8	16.2	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.4	2.5	3.3	3.1
Freq. (MHz)	209.5	191.0	250.0	244.5
Limit (dB)	14.8	15.6	13.2	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.9	-3.8	2.9	3.5
Freq. (MHz)	58.8	59.0	120.0	118.5
Limit (dB)	31.7	31.6	20.0	20.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	-2.7	-1.7	4.9	8.1
Freq. (MHz)	58.8	58.3	120.0	135.0
Limit (dB)	29.2	29.3	17.5	15.2
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	78
RL (dB)	-2.8 F	-1.5 F	-0.8	-0.8
Freq. (MHz)	73.3	74.5	192.0	152.0
Limit (dB)	15.4	15.3	11.2	12.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO109

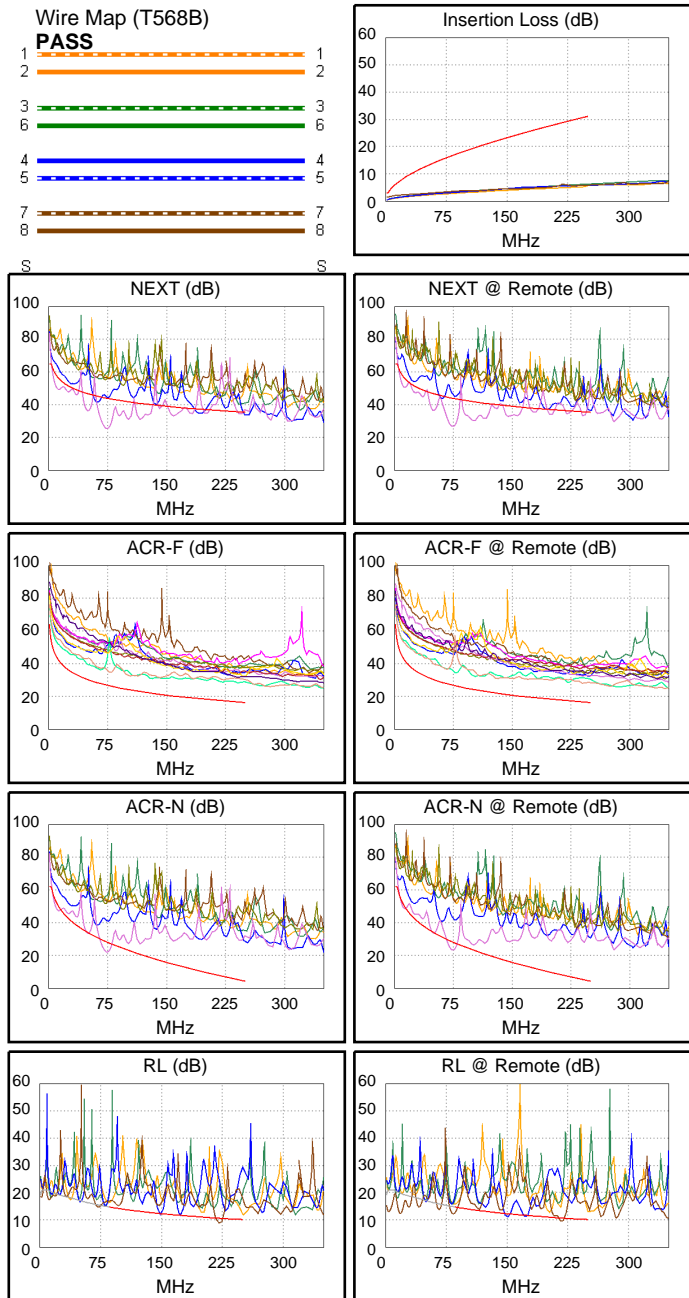
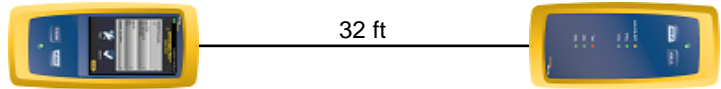
Date / Time: 11/07/2016 06:51:36 PM
Headroom -18.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 78]	46.4
Insertion Loss Margin (dB)	[Pair 78]	22.6
Frequency (MHz)	[Pair 78]	223.5
Limit (dB)	[Pair 78]	29.2



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-18.5 F	-17.2 F	-18.4	-17.2
Freq. (MHz)	74.0	74.5	75.0	74.5
Limit (dB)	44.0	43.9	43.9	43.9
Worst Pair	78	45	78	45
PS NEXT (dB)	-16.1 F	-14.7 F	-16.0	-14.7
Freq. (MHz)	74.0	74.5	75.0	74.5
Limit (dB)	41.5	41.4	41.4	41.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	78-45
ACR-F (dB)	8.4	8.0	11.7	11.4
Freq. (MHz)	78.8	77.8	240.5	240.5
Limit (dB)	26.3	26.4	16.6	16.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	10.9	10.7	12.5	12.4
Freq. (MHz)	65.5	77.8	220.5	221.5
Limit (dB)	24.9	23.4	14.3	14.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-6.2	-5.0	-5.9	-4.8
Freq. (MHz)	73.8	73.3	75.0	74.5
Limit (dB)	28.3	28.4	28.0	28.1
Worst Pair	78	78	78	78
PS ACR-N (dB)	-3.8	-2.4	-3.5	-2.1
Freq. (MHz)	73.5	73.5	75.0	75.3
Limit (dB)	25.8	25.8	25.5	25.4

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-1.8 F	-2.7 F	-1.8	-1.4
Freq. (MHz)	222.5	84.0	222.5	218.0
Limit (dB)	10.5	14.8	10.5	10.6



Cable ID: REABILITACAO11

Date / Time: 10/10/2016 08:06:39 PM

Headroom -13.2 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

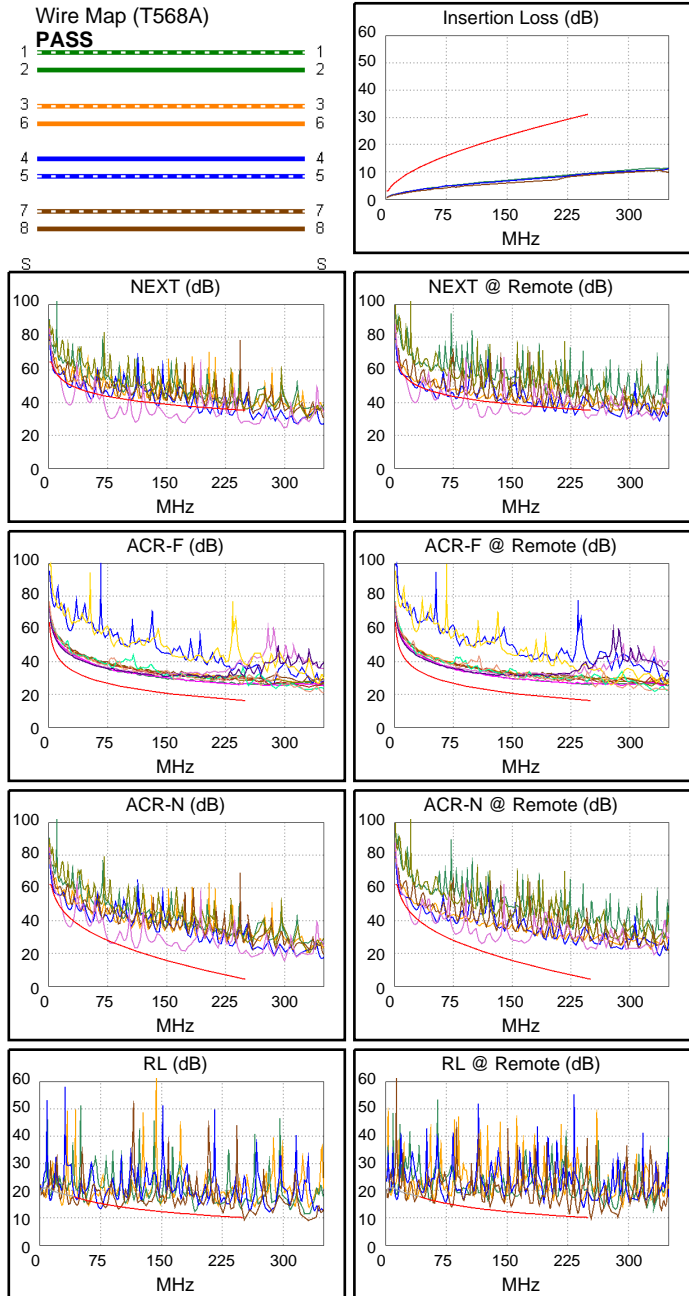
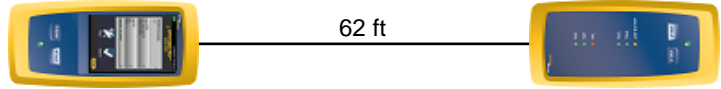
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	62
Prop. Delay (ns), Limit 498	[Pair 45]	94
Delay Skew (ns), Limit 44	[Pair 45]	3
Resistance (ohms)	[Pair 36]	6.1
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.2F	-11.3F	-8.0	-5.2
Freq. (MHz)	111.5	25.6	246.0	246.0
Limit (dB)	41.1	51.4	35.5	35.5
Worst Pair	45	78	78	78
PS NEXT (dB)	-10.7F	-9.3F	-5.9	-2.9
Freq. (MHz)	111.0	25.9	246.5	247.0
Limit (dB)	38.6	48.9	32.8	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	45-12	12-45
ACR-F (dB)	8.4	8.5	8.8	9.3
Freq. (MHz)	33.3	2.6	232.0	246.0
Limit (dB)	33.8	55.8	16.9	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	7.9	7.9	8.9	8.4
Freq. (MHz)	160.0	157.0	246.0	214.5
Limit (dB)	17.1	17.3	13.4	14.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-5.9	-4.7	15.0	17.8
Freq. (MHz)	25.1	25.1	246.0	246.0
Limit (dB)	42.6	42.6	4.6	4.6
Worst Pair	78	78	45	45
PS ACR-N (dB)	-3.9	-2.7	15.9	19.0
Freq. (MHz)	25.1	25.1	247.0	246.5
Limit (dB)	40.2	40.2	1.9	2.0

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-2.9F	-1.1F	1.9	1.0
Freq. (MHz)	46.0	59.5	250.0	227.0
Limit (dB)	17.4	16.3	10.0	10.4



Cable ID: REABILITACAO110

Date / Time: 11/07/2016 06:53:25 PM

Headroom 1.8 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: PASS

Model: DSX-5000

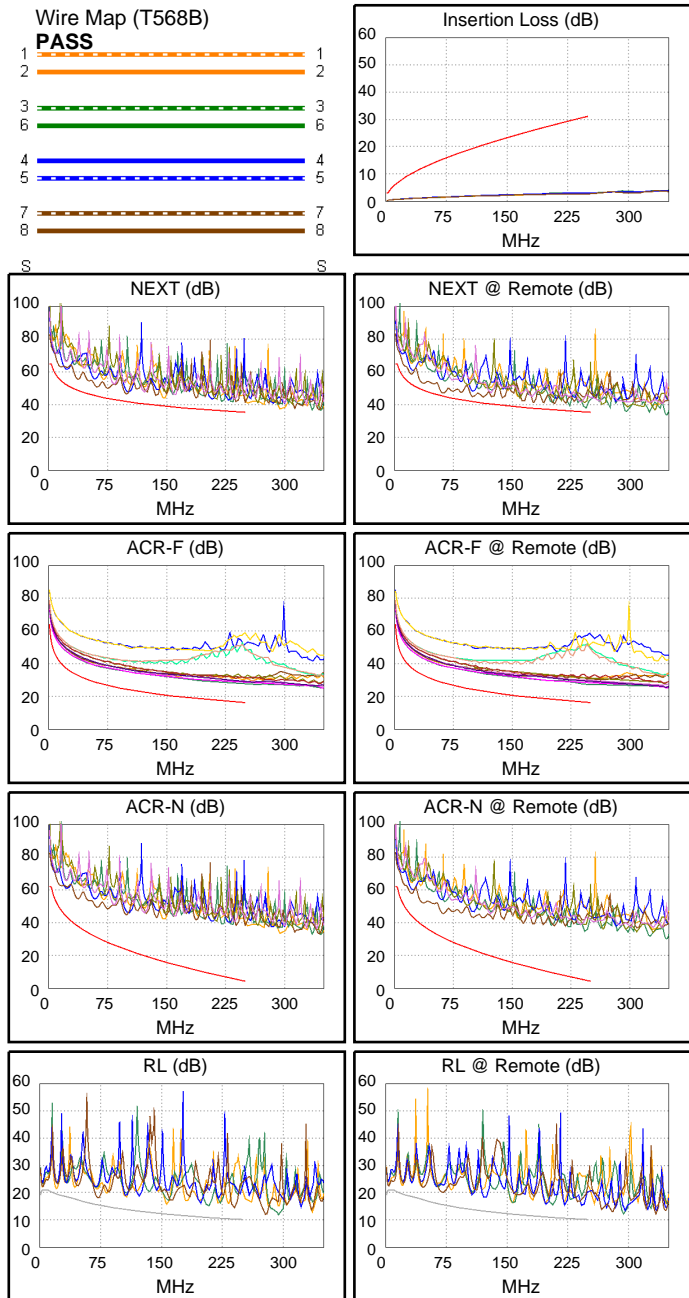
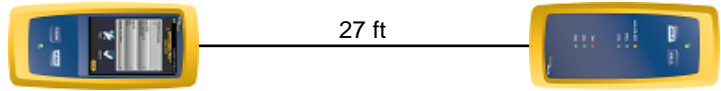
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	27
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 45]	1.7
Insertion Loss Margin (dB)	[Pair 45]	27.6
Frequency (MHz)	[Pair 45]	245.5
Limit (dB)	[Pair 45]	30.8



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
NEXT (dB)	4.7	1.8	5.3	2.2
Freq. (MHz)	99.8	62.0	233.0	243.5
Limit (dB)	41.9	45.2	35.8	35.5
Worst Pair	12	45	12	45
PS NEXT (dB)	4.7	3.4	4.8	3.4
Freq. (MHz)	231.5	243.0	232.5	243.0
Limit (dB)	33.3	32.9	33.2	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	10.0	10.0	10.8	10.8
Freq. (MHz)	49.8	55.8	250.0	243.5
Limit (dB)	30.3	29.3	16.2	16.5
Worst Pair	12	45	36	36
PS ACR-F (dB)	10.4	10.4	12.0	12.5
Freq. (MHz)	1.1	1.1	248.5	247.0
Limit (dB)	60.2	60.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
ACR-N (dB)	13.1	12.9	32.2	29.6
Freq. (MHz)	3.5	11.6	233.0	243.5
Limit (dB)	61.7	50.8	6.0	4.9
Worst Pair	45	36	12	45
PS ACR-N (dB)	14.2	14.1	31.7	30.8
Freq. (MHz)	3.9	3.9	231.5	243.0
Limit (dB)	58.5	58.5	3.5	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	45
RL (dB)	4.3	4.6	4.1	4.8
Freq. (MHz)	207.0	206.5	239.5	243.5
Limit (dB)	10.8	10.9	10.2	10.1

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: REABILITACAO111

Date / Time: 11/07/2016 06:56:02 PM

Headroom -6.8 dB (NEXT 36-78)

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

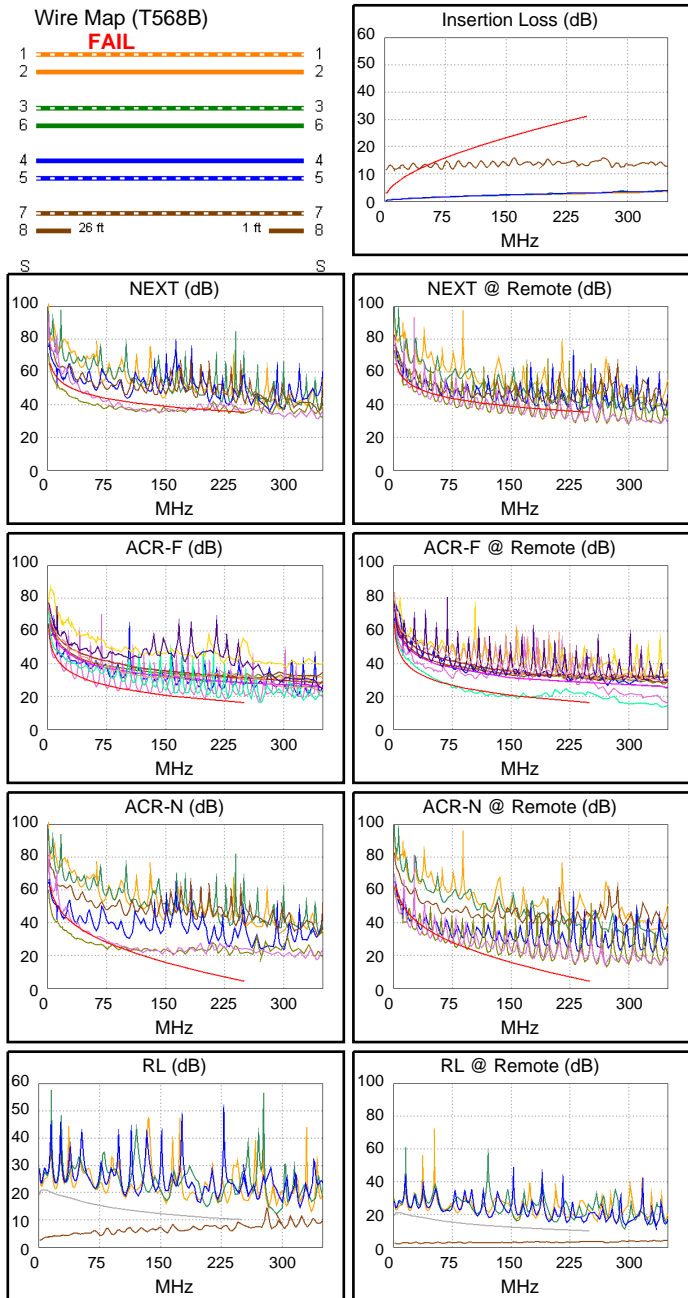
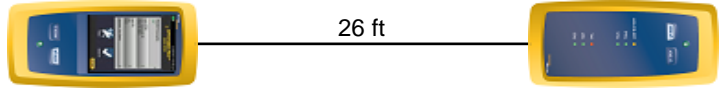
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	26
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.8 F
Frequency (MHz)	[Pair 78]	5.8
Limit (dB)	[Pair 78]	4.2



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	-6.5 F	-6.8 F	-1.3	-6.8
Freq. (MHz)	71.8	232.0	247.5	232.0
Limit (dB)	44.2	35.9	35.4	35.9
Worst Pair	78	78	78	78
PS NEXT (dB)	-5.5 F	-6.9 F	-4.7	-6.9
Freq. (MHz)	85.0	231.5	142.0	231.5
Limit (dB)	40.5	33.3	36.8	33.3

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
ACR-F (dB)	-3.4 F	-2.4 F	1.1	-1.4
Freq. (MHz)	6.6	119.0	226.5	159.5
Limit (dB)	47.8	22.7	17.1	20.1
Worst Pair	78	78	78	78
PS ACR-F (dB)	-1.2 F	-1.1 F	2.3	1.2
Freq. (MHz)	6.6	1.0	229.0	159.5
Limit (dB)	44.8	61.2	14.0	17.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	45-78	36-78
ACR-N (dB)	-12.6	-10.7	5.6	8.3
Freq. (MHz)	5.9	12.1	160.5	232.0
Limit (dB)	57.2	50.4	14.3	6.1
Worst Pair	78	78	78	78
PS ACR-N (dB)	-10.8	-9.1	5.5	8.2
Freq. (MHz)	6.4	12.0	160.5	231.5
Limit (dB)	54.2	48.1	11.8	3.5

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-18.4 F	-18.9 F	-18.4	-18.9
Freq. (MHz)	3.1	8.0	3.1	8.0
Limit (dB)	21.0	21.0	21.0	21.0



Cable ID: REABILITACAO112

Date / Time: 11/07/2016 06:57:43 PM

Headroom -6.9 dB (NEXT 36-78)

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

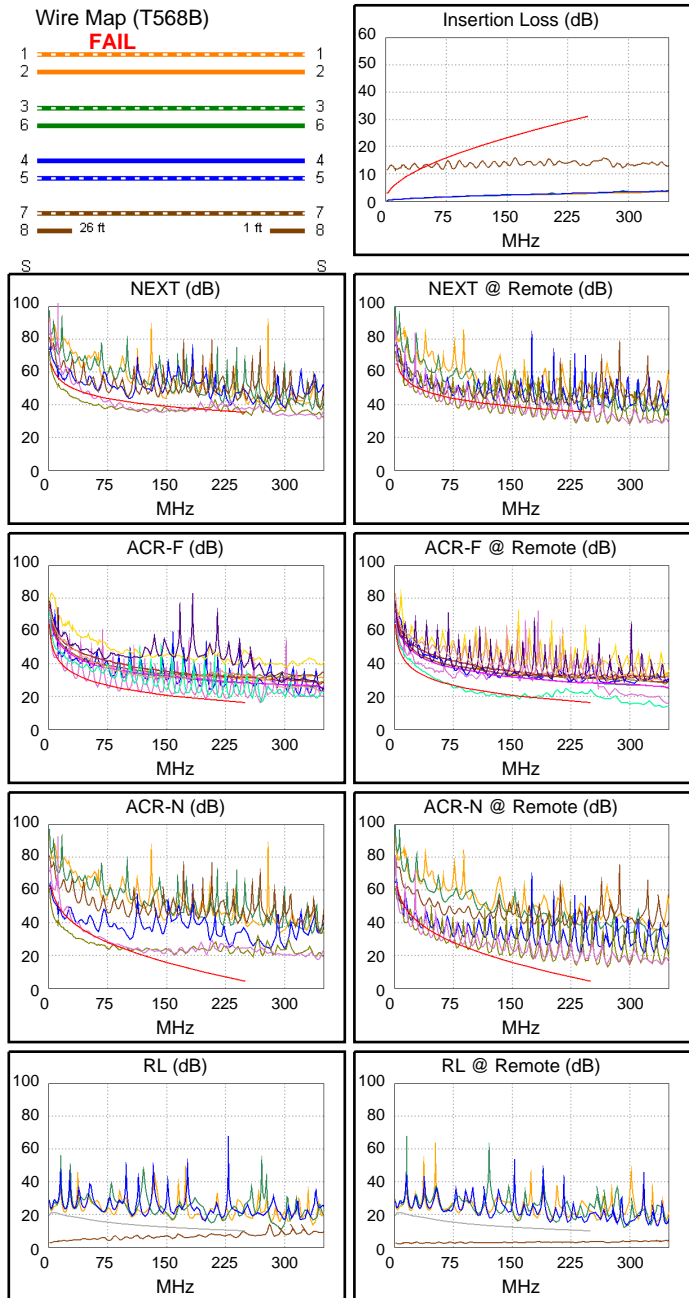
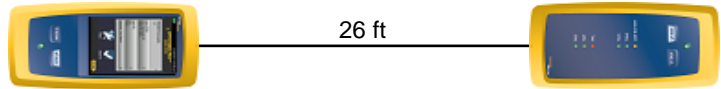
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	26
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.8 F
Frequency (MHz)	[Pair 78]	5.8
Limit (dB)	[Pair 78]	4.2



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	-6.6 F	-6.9 F	-1.3	-6.9
Freq. (MHz)	71.5	232.0	247.5	232.0
Limit (dB)	44.2	35.9	35.4	35.9
Worst Pair	78	78	78	78
PS NEXT (dB)	-5.7 F	-6.8 F	-4.4	-6.7
Freq. (MHz)	85.0	231.5	143.0	232.0
Limit (dB)	40.5	33.3	36.7	33.2

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
ACR-F (dB)	-3.3 F	-2.6 F	1.5	-1.8
Freq. (MHz)	6.8	119.0	227.0	159.0
Limit (dB)	47.6	22.7	17.1	20.2
Worst Pair	78	78	78	78
PS ACR-F (dB)	-1.1 F	-1.3 F	2.5	0.7
Freq. (MHz)	6.8	1.0	229.0	159.0
Limit (dB)	44.6	61.2	14.0	17.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	45-78	36-78
ACR-N (dB)	-12.6	-11.1	5.3	8.1
Freq. (MHz)	5.8	12.1	160.0	232.0
Limit (dB)	57.4	50.4	14.4	6.1
Worst Pair	78	78	78	78
PS ACR-N (dB)	-10.9	-9.3	5.3	8.2
Freq. (MHz)	5.8	12.1	160.0	232.0
Limit (dB)	55.1	48.0	11.8	3.5

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-18.4 F	-18.9 F	-18.4	-18.9
Freq. (MHz)	3.1	8.1	3.1	8.1
Limit (dB)	21.0	21.0	21.0	21.0



Cable ID: REABILITACAO113

Date / Time: 11/07/2016 07:08:59 PM

Headroom 2.2 dB (NEXT 12-78)

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: PASS

Model: DSX-5000

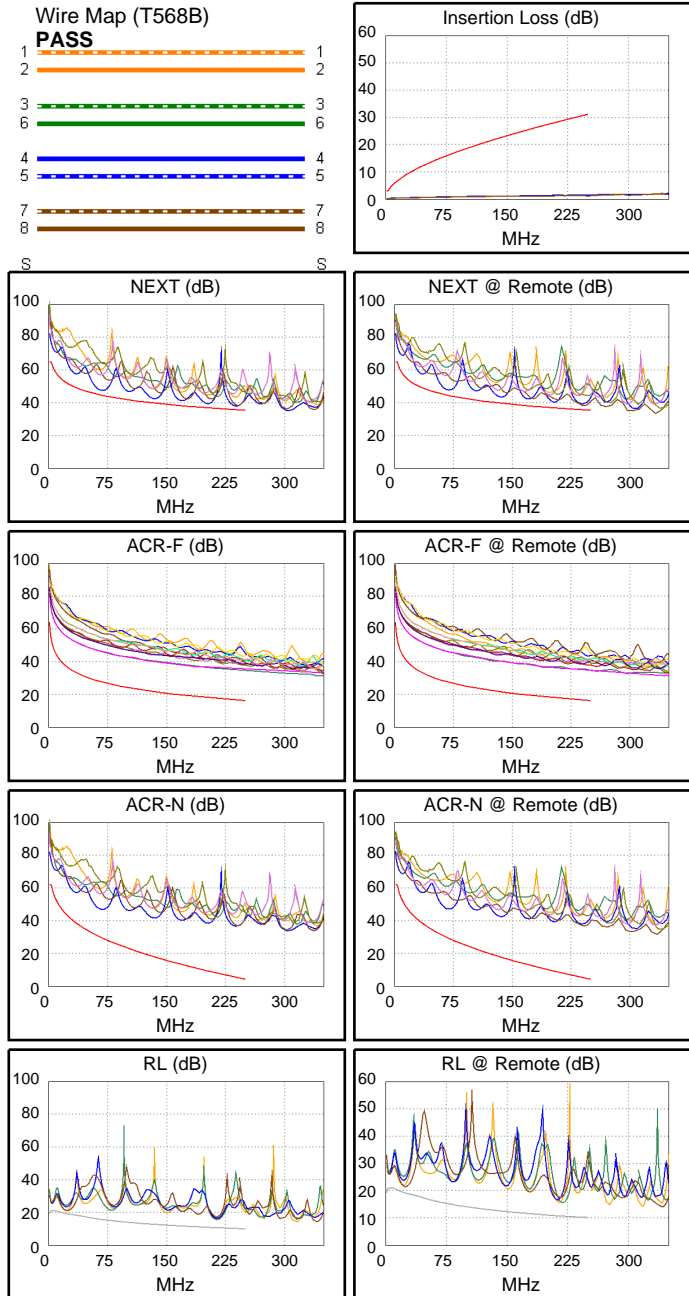
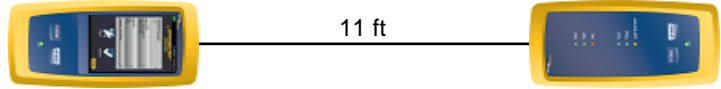
Main S/N: 2420012

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 45]	1.9
Insertion Loss Margin (dB)	[Pair 45]	26.8
Frequency (MHz)	[Pair 45]	213.5
Limit (dB)	[Pair 45]	28.4



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	12-78	36-45
NEXT (dB)	2.2	2.7	2.3	2.8
Freq. (MHz)	238.5	242.5	239.5	244.0
Limit (dB)	35.7	35.6	35.6	35.5
Worst Pair	12	36	12	36
PS NEXT (dB)	3.4	3.9	3.5	3.9
Freq. (MHz)	238.0	241.5	239.5	241.5
Limit (dB)	33.1	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-12
ACR-F (dB)	17.9	17.9	17.9	18.2
Freq. (MHz)	250.0	191.0	250.0	250.0
Limit (dB)	16.2	18.6	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.8	18.2	18.9	19.5
Freq. (MHz)	1.3	1.0	250.0	250.0
Limit (dB)	59.3	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	36-45
ACR-N (dB)	14.2	12.4	31.4	32.0
Freq. (MHz)	3.5	3.8	239.5	244.0
Limit (dB)	61.7	61.1	5.3	4.8
Worst Pair	78	78	12	36
PS ACR-N (dB)	15.5	14.1	32.5	32.9
Freq. (MHz)	3.9	3.9	239.5	241.5
Limit (dB)	58.5	58.5	2.7	2.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	78	36	36
RL (dB)	1.9	2.3	4.8	4.9
Freq. (MHz)	21.4	24.5	214.5	220.0
Limit (dB)	19.4	19.1	10.7	10.6

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: REABILITACAO114

Date / Time: 11/07/2016 07:09:45 PM

Headroom -10.2 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

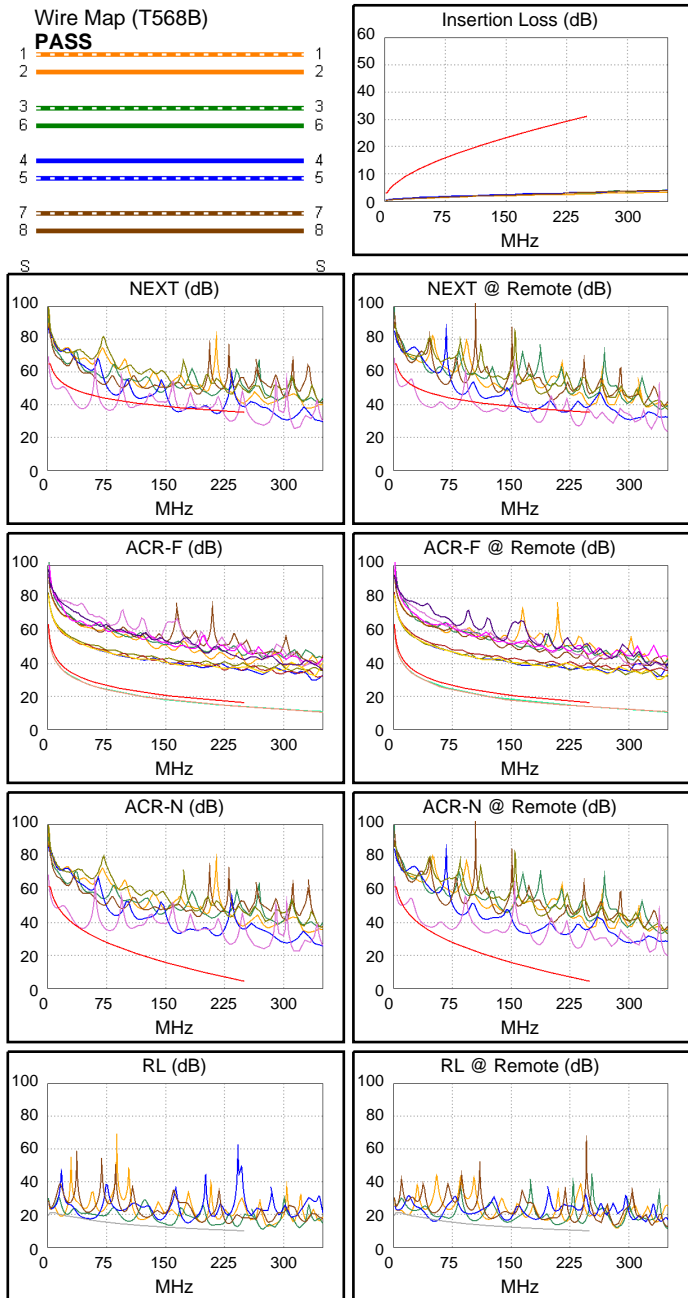
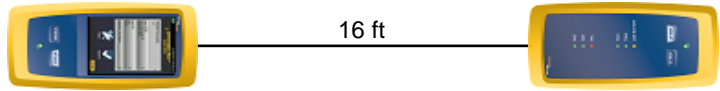
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	16
Prop. Delay (ns), Limit 498	[Pair 36]	24
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	7.9
Insertion Loss Margin (dB)	[Pair 36]	27.2
Frequency (MHz)	[Pair 36]	242.0
Limit (dB)	[Pair 36]	30.5



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-10.2F	-8.9F	-6.1	-8.7
Freq. (MHz)	42.3	44.3	233.5	236.5
Limit (dB)	47.9	47.6	35.8	35.7
Worst Pair	45	78	78	78
PS NEXT (dB)	-7.8F	-6.5F	-3.6	-6.2
Freq. (MHz)	42.0	184.5	233.5	236.5
Limit (dB)	45.5	34.9	33.2	33.1

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	-3.0F	-3.1F	-2.7	-2.7
Freq. (MHz)	1.1	144.5	250.0	250.0
Limit (dB)	63.2	21.0	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	0.0*	-0.1F	0.3	0.3
Freq. (MHz)	209.0	144.5	250.0	250.0
Limit (dB)	14.8	18.0	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.9	-5.2	20.8	18.6
Freq. (MHz)	4.9	4.1	233.5	236.5
Limit (dB)	58.9	60.3	5.9	5.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	-2.8	-3.0	23.3	21.0
Freq. (MHz)	4.9	4.3	233.5	236.5
Limit (dB)	56.6	57.8	3.3	3.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	2.3	4.2	2.3	4.2
Freq. (MHz)	241.5	241.0	241.5	241.0
Limit (dB)	10.2	10.2	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO115

Date / Time: 11/07/2016 07:38:02 PM

Headroom -6.7 dB (NEXT 36-78)

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

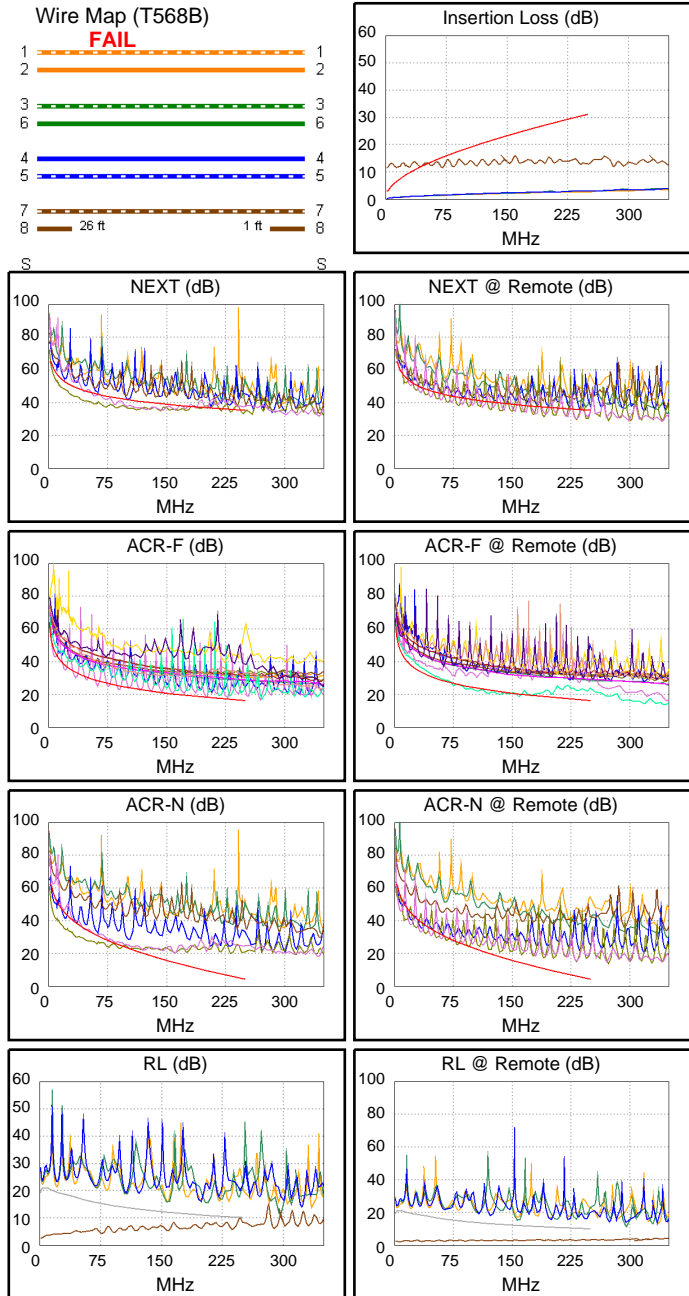
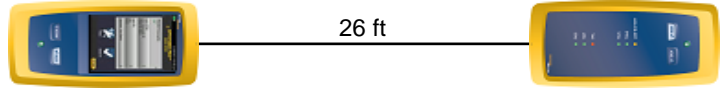
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	26
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.8 F
Frequency (MHz)	[Pair 78]	5.5
Limit (dB)	[Pair 78]	4.1



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	-6.7 F	-6.3 F	-2.2	-6.3
Freq. (MHz)	73.0	232.5	247.5	232.5
Limit (dB)	44.1	35.9	35.4	35.9
Worst Pair	78	78	78	78
PS NEXT (dB)	-5.8 F	-6.5 F	-1.2	-6.5
Freq. (MHz)	85.0	233.0	248.0	233.0
Limit (dB)	40.5	33.2	32.8	33.2

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-78	45-78	36-78	45-78
ACR-F (dB)	-3.8 F	-2.2 F	1.0	-1.7
Freq. (MHz)	6.8	119.0	227.5	159.0
Limit (dB)	47.6	22.7	17.0	20.2
Worst Pair	78	78	78	78
PS ACR-F (dB)	-1.7 F	-0.7 F	2.2	0.7
Freq. (MHz)	1.0	1.0	229.5	159.0
Limit (dB)	61.2	61.2	14.0	17.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	-12.7	-10.0	13.9	9.0
Freq. (MHz)	6.9	12.0	232.5	232.5
Limit (dB)	55.8	50.5	6.0	6.0
Worst Pair	78	78	78	78
PS ACR-N (dB)	-11.1	-8.8	5.2	8.7
Freq. (MHz)	6.5	5.9	160.0	233.0
Limit (dB)	54.0	54.9	11.8	3.4

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-18.4 F	-18.9 F	-18.4	-18.9
Freq. (MHz)	3.1	8.1	3.1	8.1
Limit (dB)	21.0	21.0	21.0	21.0



Cable ID: REABILITACAO116

Date / Time: 11/07/2016 07:40:08 PM

Headroom -12.0 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

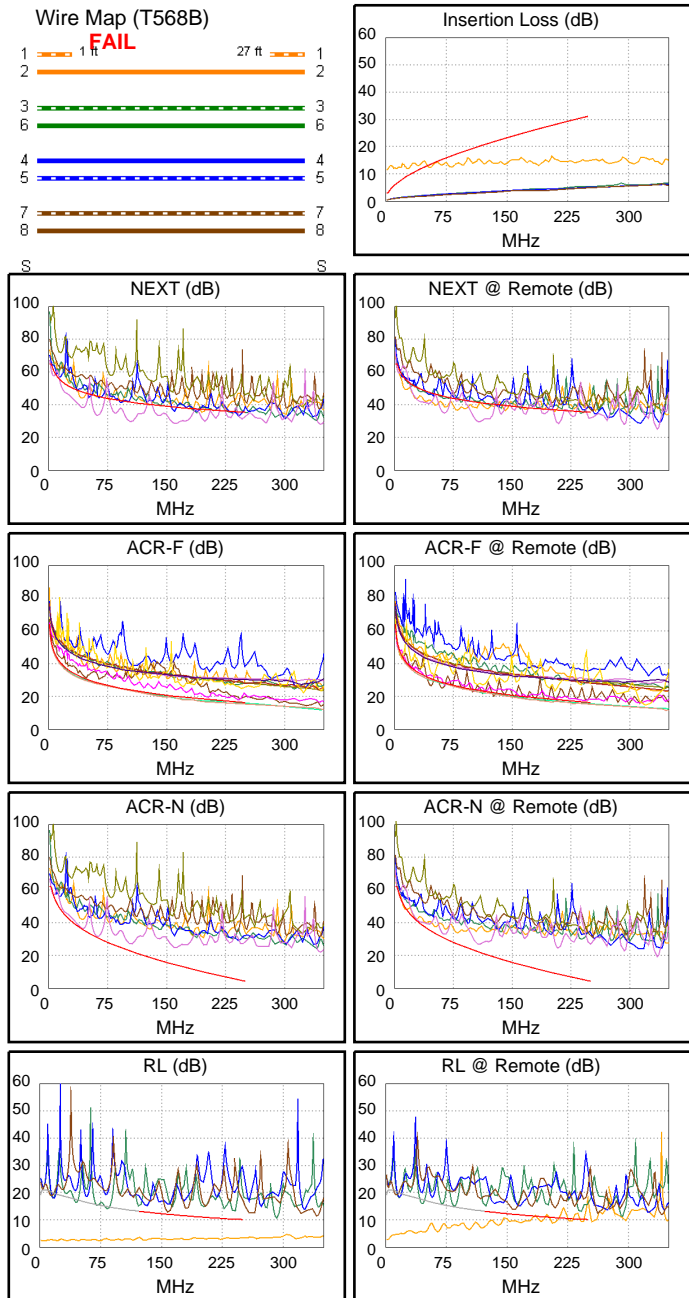
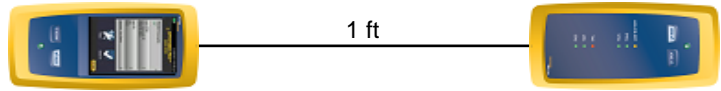
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	1
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 36]	40
Resistance (ohms)	[Pair 36]	3.8
Insertion Loss Margin (dB)	[Pair 12]	-8.9F
Frequency (MHz)	[Pair 12]	5.0
Limit (dB)	[Pair 12]	3.9



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.0F	-11.8F	-10.0	-8.2
Freq. (MHz)	104.0	108.0	162.0	209.0
Limit (dB)	41.6	41.3	38.4	36.6
Worst Pair	78	45	78	45
PS NEXT (dB)	-9.6F	-9.6F	-8.1	-6.2
Freq. (MHz)	105.0	108.0	161.0	209.0
Limit (dB)	39.0	38.8	35.9	34.0

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	36-12	78-45	78-45
ACR-F (dB)	-1.8F	-4.3F	-1.2	-1.0
Freq. (MHz)	172.5	46.3	250.0	250.0
Limit (dB)	19.5	30.9	16.2	16.2
Worst Pair	45	12	45	12
PS ACR-F (dB)	0.8*	-3.4F	1.4	-0.6
Freq. (MHz)	172.5	5.6	250.0	205.5
Limit (dB)	16.5	46.2	13.2	14.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	45-78
ACR-N (dB)	-1.6	-1.3	10.4	15.8
Freq. (MHz)	3.6	12.6	162.0	209.0
Limit (dB)	61.4	50.0	14.2	8.6
Worst Pair	12	12	12	12
PS ACR-N (dB)	-7.7	-12.3	14.7	15.0
Freq. (MHz)	4.3	3.9	244.0	243.5
Limit (dB)	57.8	58.5	2.2	2.3

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-18.8F	-18.2F	-13.1	-17.3
Freq. (MHz)	7.1	3.3	74.8	1.6
Limit (dB)	21.0	21.0	15.3	19.9

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO117

Date / Time: 11/07/2016 07:41:04 PM

Headroom -12.1 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

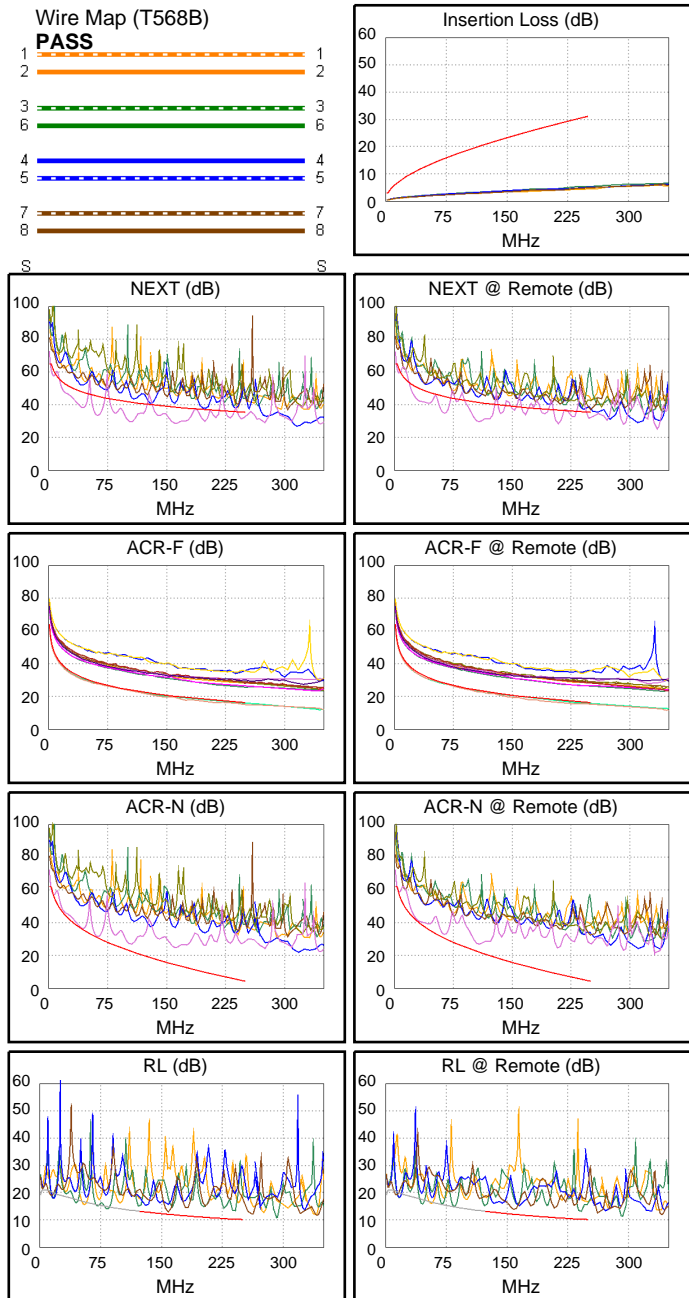
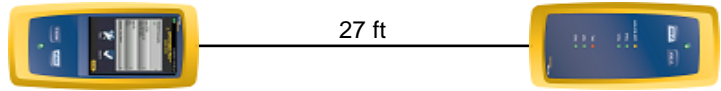
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.7
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	239.5
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.1 F	-11.8 F	-9.9	-8.2
Freq. (MHz)	104.0	107.0	162.0	209.0
Limit (dB)	41.6	41.4	38.4	36.6
Worst Pair	78	45	78	45
PS NEXT (dB)	-9.6 F	-9.4 F	-7.5	-5.8
Freq. (MHz)	105.0	106.5	162.0	209.0
Limit (dB)	39.0	38.9	35.8	34.0

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-1.7 F	-1.6 F	-1.2	-0.9
Freq. (MHz)	174.5	200.0	250.0	250.0
Limit (dB)	19.4	18.2	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	0.8*	1.0*	1.2	1.5
Freq. (MHz)	172.5	200.0	250.0	250.0
Limit (dB)	16.5	15.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-1.5	-0.8	10.5	15.8
Freq. (MHz)	3.6	3.6	162.0	209.0
Limit (dB)	61.4	61.4	14.2	8.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.7	1.5	12.8	17.8
Freq. (MHz)	4.3	4.0	162.0	209.0
Limit (dB)	57.8	58.3	11.6	6.0

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-0.9 F	0.1*	2.7	2.6
Freq. (MHz)	83.8	84.8	239.5	240.5
Limit (dB)	14.8	14.7	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO118

Date / Time: 11/07/2016 07:43:15 PM

Headroom 1.0 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: PASS

Model: DSX-5000

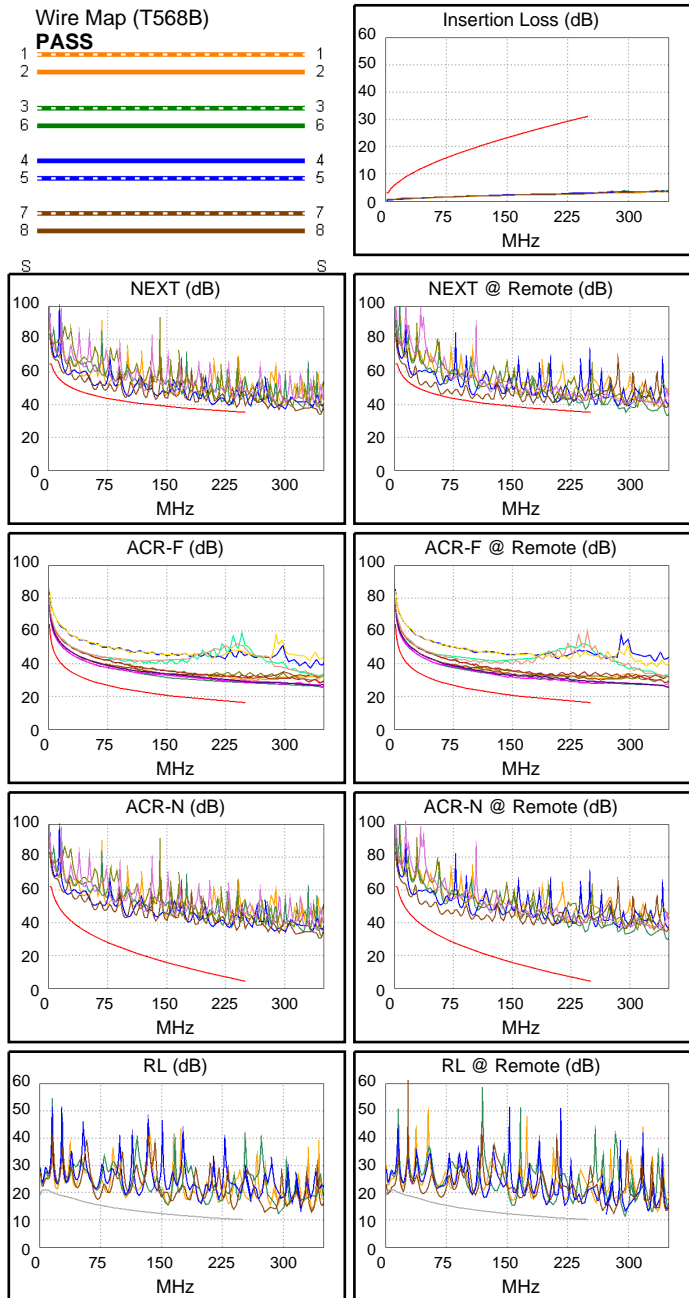
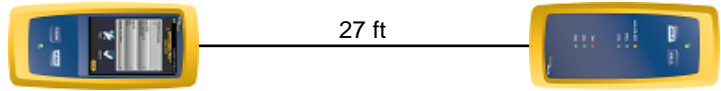
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	27
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	10.5
Insertion Loss Margin (dB)	[Pair 45]	27.7
Frequency (MHz)	[Pair 45]	245.5
Limit (dB)	[Pair 45]	30.8



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
NEXT (dB)	2.5	1.0	2.6	1.6
Freq. (MHz)	98.3	59.8	240.0	244.0
Limit (dB)	42.0	45.5	35.6	35.5
Worst Pair	12	45	12	45
PS NEXT (dB)	3.5	3.1	3.5	3.1
Freq. (MHz)	232.5	244.0	232.5	244.0
Limit (dB)	33.2	32.9	33.2	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	10.4	10.4	11.4	11.5
Freq. (MHz)	64.0	57.8	250.0	245.5
Limit (dB)	28.1	29.0	16.2	16.4
Worst Pair	12	12	36	12
PS ACR-F (dB)	10.9	10.9	12.1	12.9
Freq. (MHz)	1.0	1.0	248.0	250.0
Limit (dB)	61.2	61.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
ACR-N (dB)	11.6	10.7	30.0	29.2
Freq. (MHz)	5.5	19.4	240.0	244.0
Limit (dB)	57.8	45.5	5.3	4.8
Worst Pair	36	36	12	45
PS ACR-N (dB)	11.9	11.6	30.6	30.7
Freq. (MHz)	4.0	4.4	232.5	244.0
Limit (dB)	58.3	57.5	3.4	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	78	45
RL (dB)	7.2	5.4	3.6	5.4
Freq. (MHz)	245.5	244.0	239.5	244.0
Limit (dB)	10.1	10.1	10.2	10.1

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: REABILITACAO119

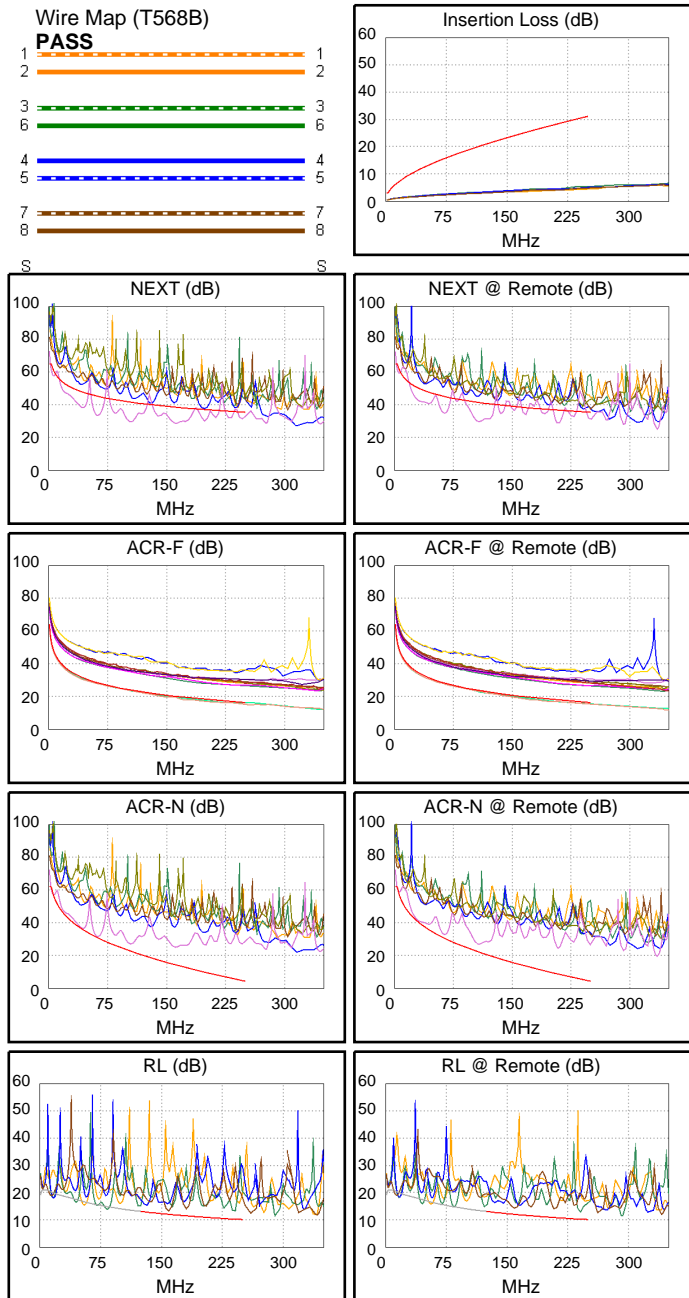
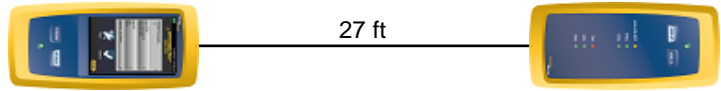
Date / Time: 11/07/2016 07:44:14 PM
Headroom -12.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.9
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	238.5
Limit (dB)	[Pair 36]	30.3



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.0 F	-11.8 F	-9.8	-8.1
Freq. (MHz)	104.0	107.0	163.0	208.5
Limit (dB)	41.6	41.4	38.4	36.6
Worst Pair	78	45	78	45
PS NEXT (dB)	-9.6 F	-9.3 F	-7.4	-5.7
Freq. (MHz)	103.5	108.0	163.0	208.5
Limit (dB)	39.1	38.8	35.8	34.0
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-1.7 F	-1.5 F	-1.1	-0.8
Freq. (MHz)	172.5	198.0	250.0	250.0
Limit (dB)	19.5	18.3	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	0.8*	1.1*	1.3	1.6
Freq. (MHz)	172.5	198.0	250.0	250.0
Limit (dB)	16.5	15.3	13.2	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-1.5	-0.9	10.9	15.9
Freq. (MHz)	3.5	3.5	163.0	208.5
Limit (dB)	61.7	61.7	14.0	8.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.8	1.4	13.2	18.0
Freq. (MHz)	4.3	3.9	163.0	208.5
Limit (dB)	57.8	58.5	11.4	6.0
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-1.0 F	0.0*	2.6	2.5
Freq. (MHz)	83.5	84.8	239.5	240.5
Limit (dB)	14.8	14.7	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO12

Date / Time: 10/10/2016 08:07:57 PM

Headroom -16.4 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

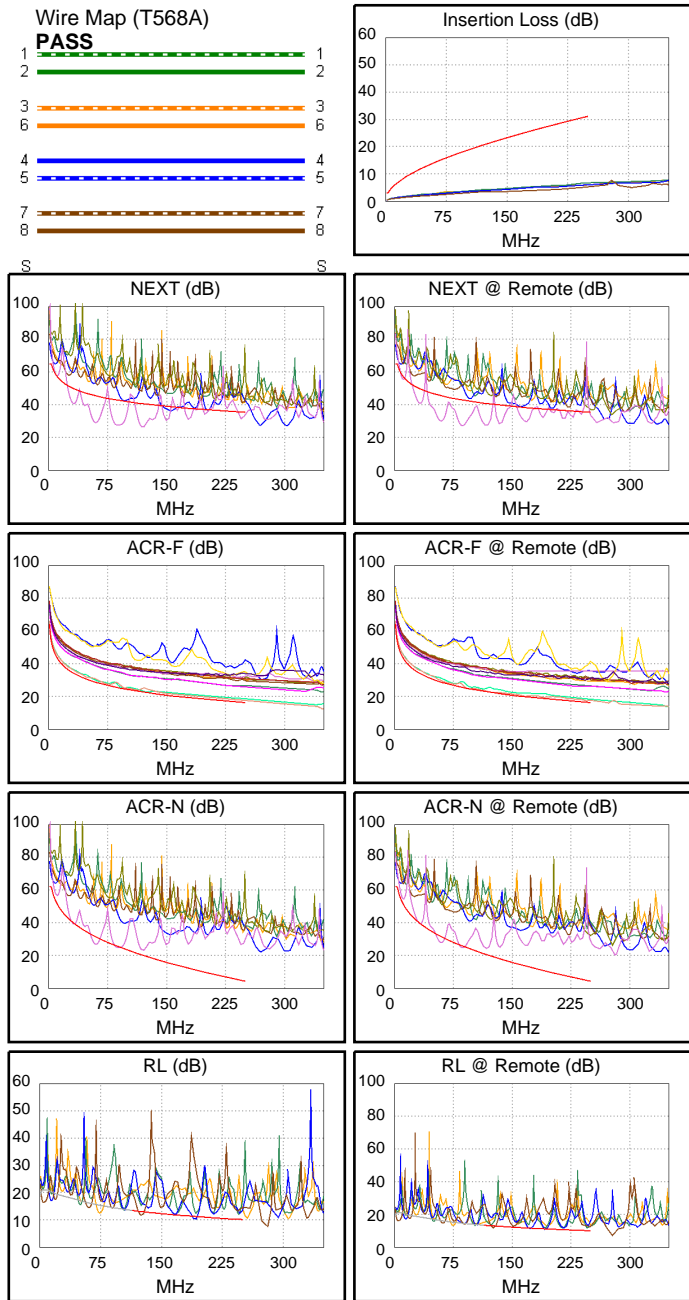
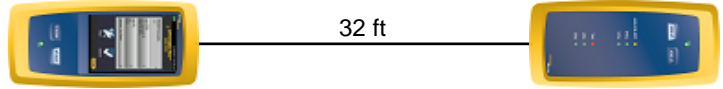
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.4
Insertion Loss Margin (dB)	[Pair 36]	24.1
Frequency (MHz)	[Pair 36]	244.5
Limit (dB)	[Pair 36]	30.7



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.4 F	-15.7 F	-14.1	-15.6
Freq. (MHz)	60.3	86.5	120.5	86.8
Limit (dB)	45.4	42.9	40.5	42.8
Worst Pair	45	45	45	45
PS NEXT (dB)	-13.9 F	-13.2 F	-11.6	-13.1
Freq. (MHz)	60.3	86.3	120.5	86.8
Limit (dB)	42.9	40.4	38.0	40.3

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	0.4*	-0.1 F	1.3	0.9
Freq. (MHz)	125.0	94.8	250.0	246.0
Limit (dB)	22.3	24.7	16.2	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.9	2.4	3.6	3.3
Freq. (MHz)	99.3	94.8	250.0	246.0
Limit (dB)	21.3	21.7	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.7	-3.8	3.2	3.8
Freq. (MHz)	58.8	58.8	120.5	117.5
Limit (dB)	31.7	31.7	19.9	20.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	-2.5	-1.6	5.3	5.8
Freq. (MHz)	58.8	58.8	120.5	117.5
Limit (dB)	29.2	29.2	17.4	17.9

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	-2.9 F	-2.0 F	-1.2	-0.3
Freq. (MHz)	74.3	74.8	192.0	193.0
Limit (dB)	15.3	15.3	11.2	11.1

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO120

Date / Time: 11/07/2016 07:51:18 PM

Headroom -9.5 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 12]	16
Prop. Delay (ns), Limit 498	[Pair 36]	23
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



16 ft

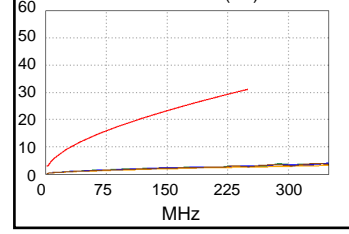


Wire Map (T568B)

PASS

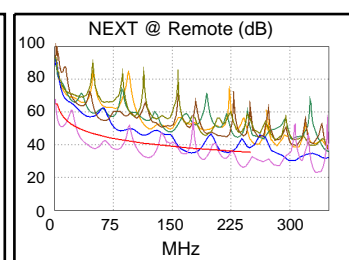
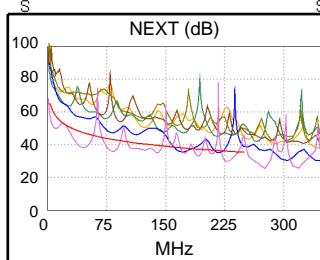


Insertion Loss (dB)

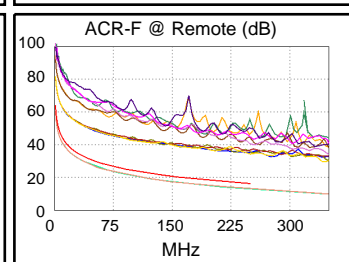
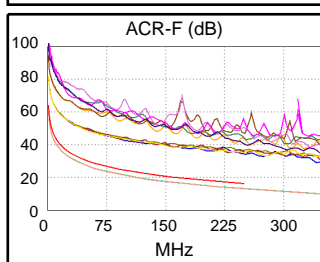


Worst Case Margin Worst Case Value

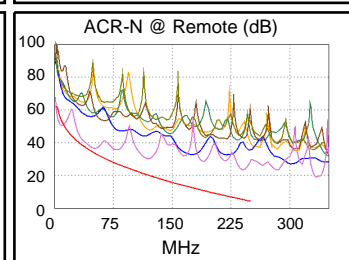
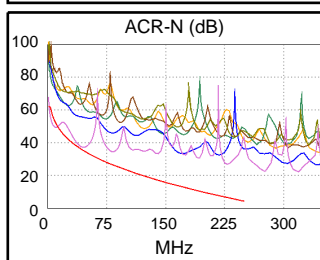
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-9.4 F	-9.5 F	-6.3	-9.5
Freq. (MHz)	5.9	241.0	229.0	241.0
Limit (dB)	61.5	35.6	36.0	35.6
Worst Pair	45	45	78	45
PS NEXT (dB)	-7.1 F	-7.0 F	-4.2	-7.0
Freq. (MHz)	5.9	241.0	228.0	241.0
Limit (dB)	59.2	33.0	33.4	33.0



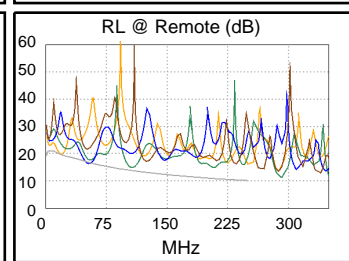
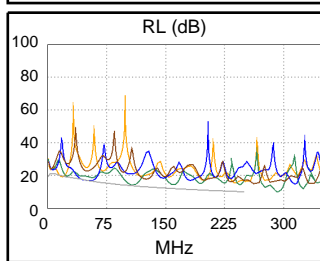
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.7 F	-3.7 F	-3.3	-3.3
Freq. (MHz)	1.0	1.0	249.5	250.0
Limit (dB)	64.2	64.2	16.2	16.2
Worst Pair	45	78	45	45
PS ACR-F (dB)	-0.7 F	-0.7 F	-0.3	-0.3
Freq. (MHz)	1.0	1.0	249.5	250.0
Limit (dB)	61.2	61.2	13.2	13.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-5.9	-5.9	20.4	18.3
Freq. (MHz)	4.4	4.0	229.0	241.0
Limit (dB)	59.8	60.6	6.4	5.1
Worst Pair	45	45	78	45
PS ACR-N (dB)	-3.6	-3.6	22.4	20.6
Freq. (MHz)	4.5	4.0	228.0	241.0
Limit (dB)	57.3	58.3	3.9	2.5



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	4.1	5.6	4.1	5.6
Freq. (MHz)	245.5	245.0	245.5	245.0
Limit (dB)	10.1	10.1	10.1	10.1





Cable ID: REABILITACAO121

Date / Time: 11/07/2016 07:52:19 PM

Headroom -8.0 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: 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]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 36]	27.1
Frequency (MHz)	[Pair 36]	240.5
Limit (dB)	[Pair 36]	30.4



14 ft

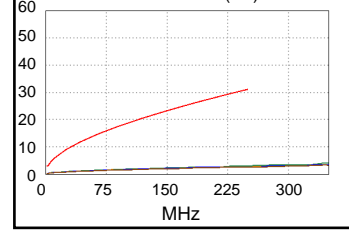


Wire Map (T568B)

PASS

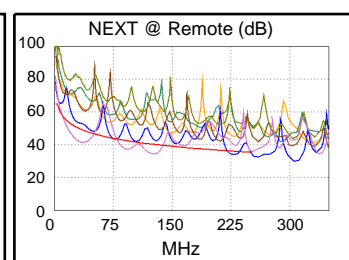
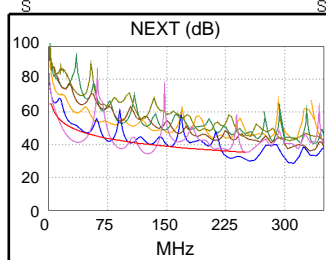


Insertion Loss (dB)

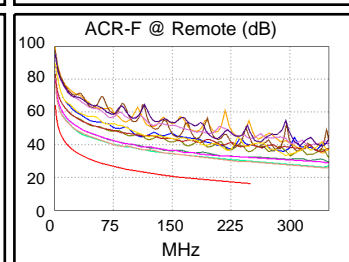
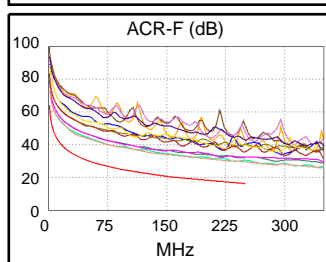


Worst Case Margin Worst Case Value

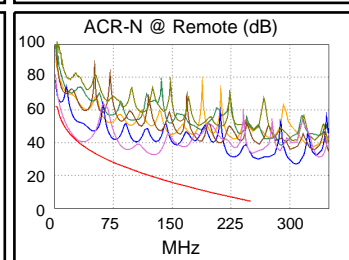
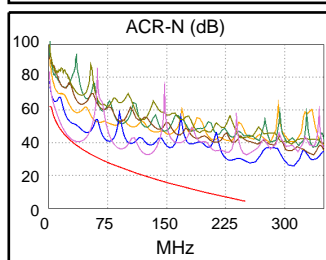
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	12-78
NEXT (dB)	-7.7 F	-8.0 F	-4.1	-2.0
Freq. (MHz)	33.0	32.8	250.0	229.0
Limit (dB)	49.6	49.7	35.3	36.0
Worst Pair	78	78	78	78
PS NEXT (dB)	-5.7 F	-5.9 F	-3.1	0.3
Freq. (MHz)	33.0	32.0	250.0	250.0
Limit (dB)	47.2	47.4	32.7	32.7



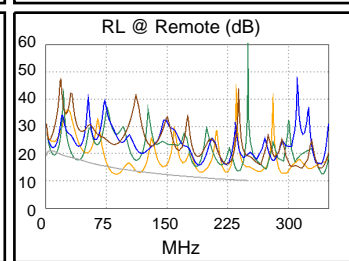
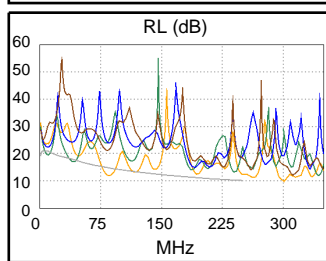
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	45-78
ACR-F (dB)	12.8	12.9	12.8	13.2
Freq. (MHz)	250.0	235.0	250.0	250.0
Limit (dB)	16.2	16.8	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.3	13.2	13.9	14.0
Freq. (MHz)	1.3	1.1	250.0	247.5
Limit (dB)	59.3	60.2	13.2	13.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	12-78
ACR-N (dB)	1.2	0.9	24.7	24.9
Freq. (MHz)	29.1	29.4	250.0	229.0
Limit (dB)	40.9	40.8	4.2	6.4
Worst Pair	78	78	78	78
PS ACR-N (dB)	3.2	3.0	25.7	26.6
Freq. (MHz)	27.9	28.8	250.0	229.5
Limit (dB)	39.0	38.6	1.6	3.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	12
RL (dB)	2.9	3.3	-2.7	-2.1
Freq. (MHz)	240.5	239.0	86.8	88.5
Limit (dB)	10.2	10.2	14.6	14.5





Cable ID: REABILITACAO122

Date / Time: 11/07/2016 07:52:51 PM

Headroom 3.6 dB (NEXT 12-36)

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-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	14
Prop. Delay (ns), Limit 498	[Pair 45]	22
Delay Skew (ns), Limit 44	[Pair 45]	1
Resistance (ohms)	[Pair 45]	1.0
Insertion Loss Margin (dB)	[Pair 36]	25.8
Frequency (MHz)	[Pair 36]	203.5
Limit (dB)	[Pair 36]	27.6



14 ft

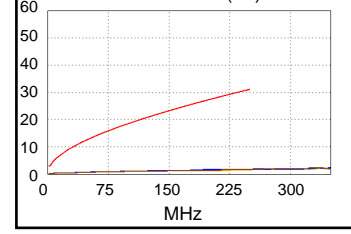


Wire Map (T568B)

PASS

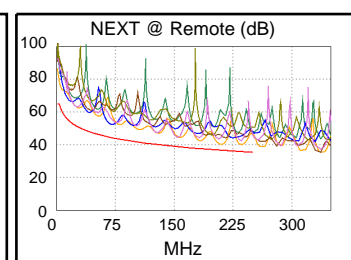
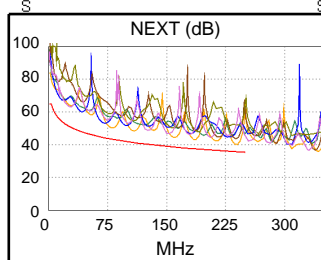


Insertion Loss (dB)

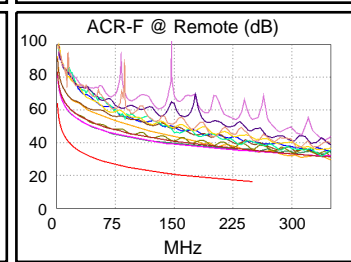
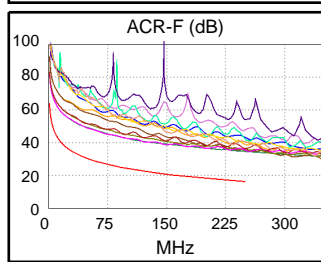


Worst Case Margin Worst Case Value

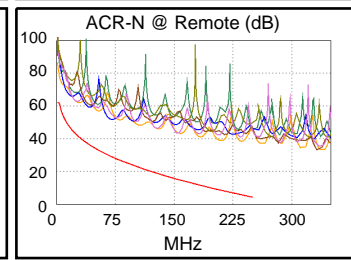
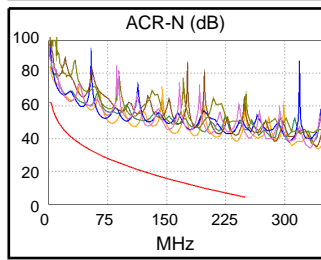
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.3	3.6	4.3	4.3
Freq. (MHz)	239.0	210.5	239.0	237.0
Limit (dB)	35.7	36.6	35.7	35.7
Worst Pair	36	36	36	12
PS NEXT (dB)	5.2	5.0	5.2	5.2
Freq. (MHz)	239.0	212.0	239.0	234.5
Limit (dB)	33.0	33.9	33.0	33.2



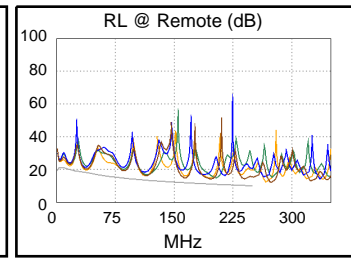
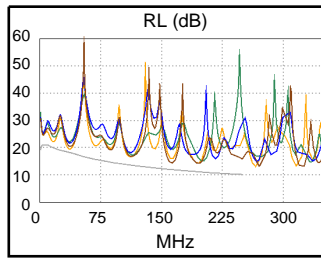
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	12-45	45-12
ACR-F (dB)	17.9	17.8	18.4	18.6
Freq. (MHz)	123.5	123.5	249.5	249.5
Limit (dB)	22.4	22.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.0	18.5	18.2	18.9
Freq. (MHz)	233.5	1.1	250.0	250.0
Limit (dB)	13.8	60.2	13.2	13.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	17.0	16.4	33.0	32.8
Freq. (MHz)	4.0	4.5	239.0	237.0
Limit (dB)	60.6	59.5	5.4	5.6
Worst Pair	12	12	36	12
PS ACR-N (dB)	17.8	17.6	33.9	33.7
Freq. (MHz)	4.3	4.5	239.0	234.5
Limit (dB)	57.8	57.3	2.7	3.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	78	78
RL (dB)	1.2	1.5	3.0	3.9
Freq. (MHz)	37.0	38.0	196.5	239.5
Limit (dB)	18.2	18.1	11.1	10.2



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: REABILITACAO123

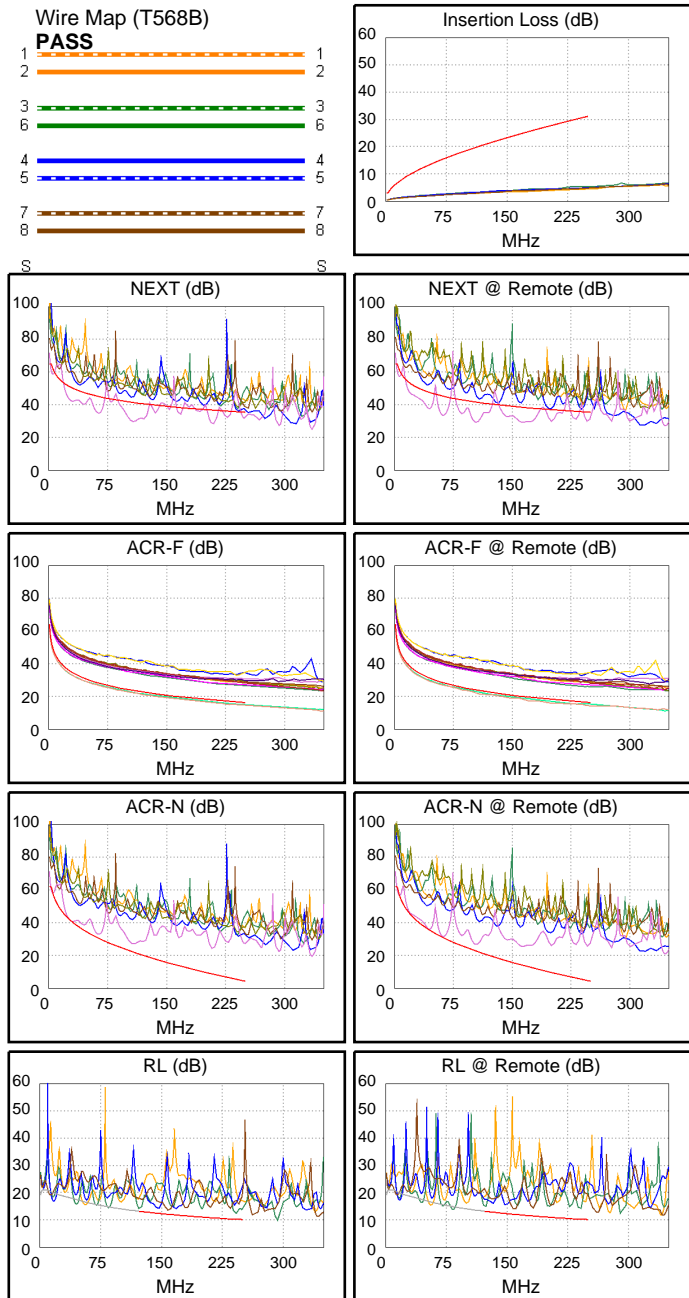
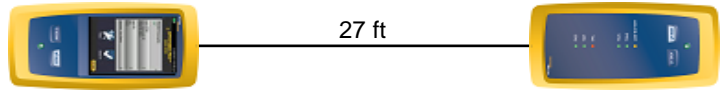
Date / Time: 11/07/2016 07:55:41 PM
Headroom -12.3 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.8
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	241.0
Limit (dB)	[Pair 36]	30.4



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-11.7 F	-12.3 F	-8.3	-9.1
Freq. (MHz)	108.5	104.0	209.5	164.0
Limit (dB)	41.3	41.6	36.6	38.3
Worst Pair	78	78	45	78
PS NEXT (dB)	-9.3 F	-9.9 F	-5.9	-6.9
Freq. (MHz)	106.5	103.5	209.5	162.0
Limit (dB)	38.9	39.1	34.0	35.8

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-2.2 F	-2.4 F	-1.5	-1.9
Freq. (MHz)	200.0	173.0	250.0	250.0
Limit (dB)	18.2	19.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	0.4*	0.3*	1.0	0.7
Freq. (MHz)	200.0	200.0	250.0	250.0
Limit (dB)	15.2	15.2	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-1.9	-2.0	15.6	11.4
Freq. (MHz)	3.6	4.0	208.5	163.5
Limit (dB)	61.4	60.6	8.6	14.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.4	0.2	17.8	22.9
Freq. (MHz)	3.9	4.3	209.5	247.0
Limit (dB)	58.5	57.8	5.9	1.9

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36	36	36	36
RL (dB)	-0.3 F	-1.0 F	2.0	3.5
Freq. (MHz)	85.0	84.0	241.5	240.5
Limit (dB)	14.7	14.8	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO124

Date / Time: 11/07/2016 08:03:14 PM

Headroom -0.2 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

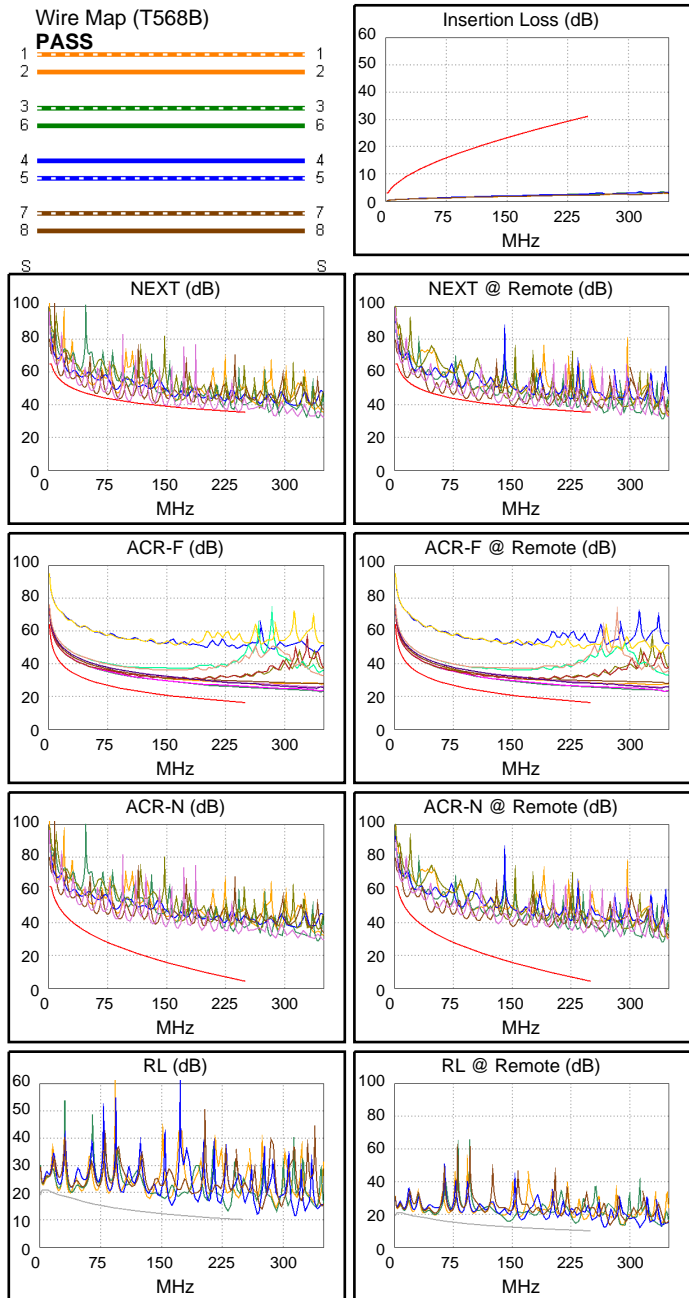
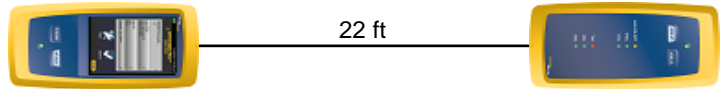
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	22
Prop. Delay (ns), Limit 498	[Pair 45]	35
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 45]	1.5
Insertion Loss Margin (dB)	[Pair 36]	27.2
Frequency (MHz)	[Pair 36]	234.0
Limit (dB)	[Pair 36]	29.9



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	45-78
NEXT (dB)	-0.2 F	0.0*	-0.2	0.2
Freq. (MHz)	242.0	46.0	242.0	241.5
Limit (dB)	35.6	47.3	35.6	35.6
Worst Pair	45	45	78	45
PS NEXT (dB)	0.7	0.9	1.7	1.5
Freq. (MHz)	135.0	150.0	242.5	244.5
Limit (dB)	37.2	36.4	32.9	32.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
ACR-F (dB)	7.9	7.9	9.2	9.1
Freq. (MHz)	4.8	4.8	250.0	249.0
Limit (dB)	50.7	50.7	16.2	16.3
Worst Pair	45	45	12	12
PS ACR-F (dB)	7.3	7.1	10.6	10.8
Freq. (MHz)	7.9	1.0	248.0	250.0
Limit (dB)	43.3	61.2	13.3	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	8.9	7.8	28.3	28.6
Freq. (MHz)	14.3	14.8	242.0	241.5
Limit (dB)	48.8	48.4	5.0	5.1
Worst Pair	45	36	45	45
PS ACR-N (dB)	10.4	9.6	29.9	29.7
Freq. (MHz)	4.0	13.8	242.0	244.5
Limit (dB)	58.3	46.8	2.4	2.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	36	36
RL (dB)	1.6	1.9	2.9	4.3
Freq. (MHz)	23.4	12.3	232.0	232.0
Limit (dB)	19.2	20.6	10.3	10.3

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO125

Date / Time: 11/07/2016 08:09:43 PM

Headroom -10.6 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

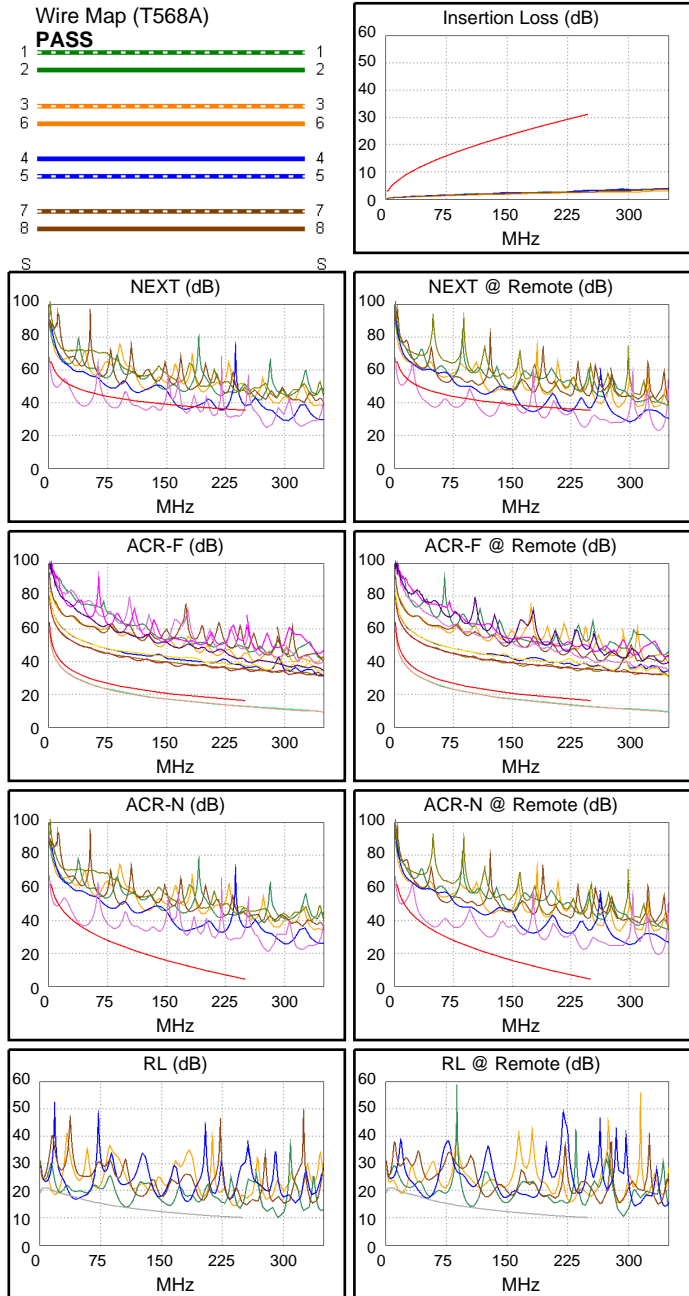
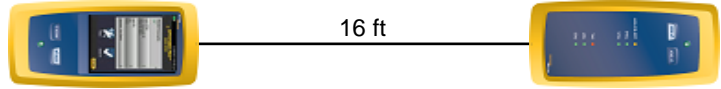
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	16
Prop. Delay (ns), Limit 498	[Pair 36]	23
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-9.7 F	-10.6 F	-4.9	-10.6
Freq. (MHz)	43.0	242.5	230.5	242.5
Limit (dB)	47.8	35.6	35.9	35.6
Worst Pair	45	78	78	78
PS NEXT (dB)	-7.4 F	-8.1 F	-2.9	-8.0
Freq. (MHz)	6.1	241.5	229.0	243.5
Limit (dB)	58.9	33.0	33.3	32.9

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	-4.0 F	-4.0 F	-3.9	-3.7
Freq. (MHz)	4.1	4.8	245.0	250.0
Limit (dB)	51.9	50.7	16.4	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-1.0 F	-1.0 F	-0.9	-0.7
Freq. (MHz)	4.8	243.5	245.0	250.0
Limit (dB)	47.7	13.5	13.4	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-6.3	-6.2	22.1	17.3
Freq. (MHz)	4.0	4.1	231.5	242.5
Limit (dB)	60.6	60.3	6.1	5.0
Worst Pair	45	45	78	45
PS ACR-N (dB)	-4.0	-3.9	23.8	19.7
Freq. (MHz)	4.3	4.3	229.0	242.5
Limit (dB)	57.8	57.8	3.8	2.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.4	4.3	3.4	4.3
Freq. (MHz)	247.0	246.5	247.0	246.5
Limit (dB)	10.1	10.1	10.1	10.1



Cable ID: REABILITACAO126

Date / Time: 11/07/2016 08:11:38 PM

Headroom -7.8 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: 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

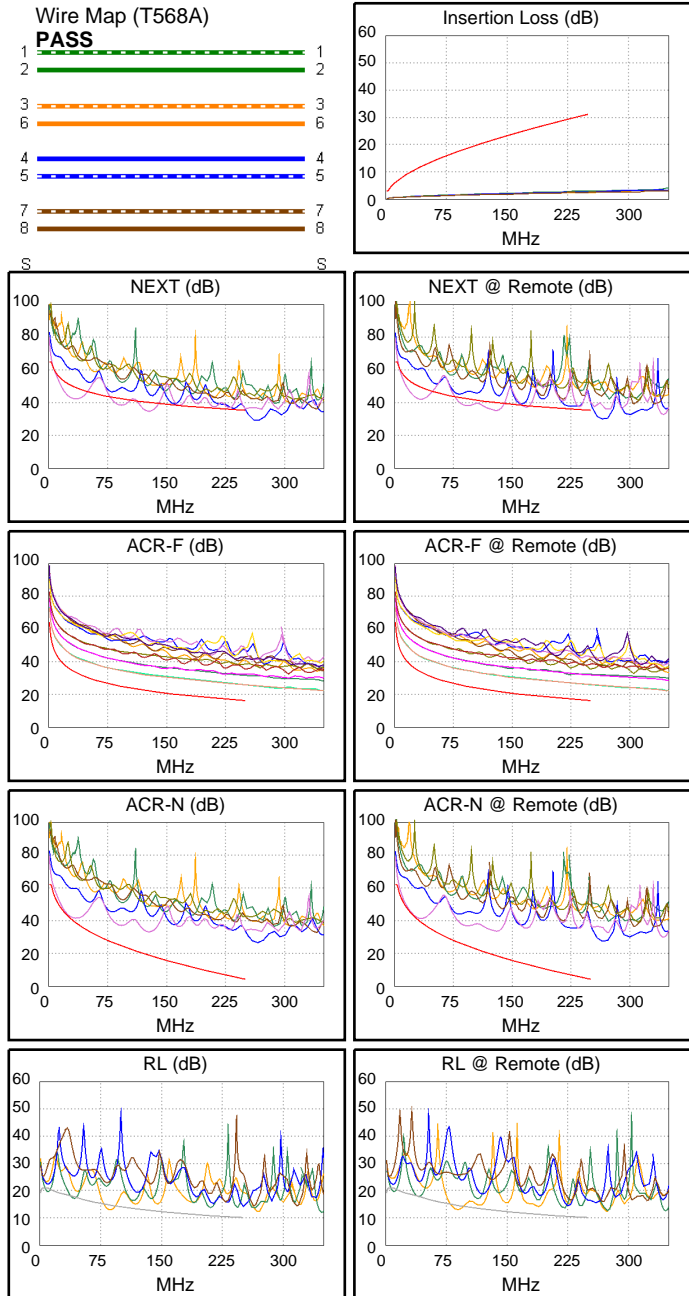
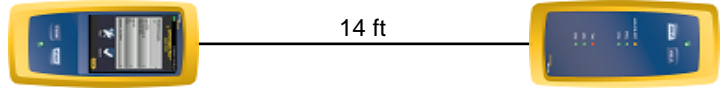
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	14
Prop. Delay (ns), Limit 498	[Pair 36]	21
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	242.5
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-7.6 F	-7.8 F	-5.4	-4.8
Freq. (MHz)	28.3	30.9	127.5	130.5
Limit (dB)	50.7	50.1	40.1	40.0
Worst Pair	78	78	78	78
PS NEXT (dB)	-5.3 F	-5.5 F	0.3	1.5
Freq. (MHz)	28.3	29.4	250.0	235.5
Limit (dB)	48.3	48.0	32.7	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	8.9	8.9	9.1	9.3
Freq. (MHz)	4.8	4.1	250.0	244.5
Limit (dB)	50.7	51.9	16.2	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	10.5	10.5	10.9	11.3
Freq. (MHz)	1.1	1.5	250.0	247.0
Limit (dB)	60.2	57.7	13.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	0.8	0.5	14.2	15.4
Freq. (MHz)	25.0	23.5	127.5	132.0
Limit (dB)	42.7	43.4	18.9	18.2
Worst Pair	78	78	78	78
PS ACR-N (dB)	3.1	2.8	29.2	29.1
Freq. (MHz)	24.8	23.5	250.0	235.5
Limit (dB)	40.4	41.0	1.6	3.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	12
RL (dB)	3.7	4.0	-1.7	-1.5
Freq. (MHz)	244.0	241.5	87.8	90.0
Limit (dB)	10.1	10.2	14.6	14.5



Cable ID: REABILITACAO127

Date / Time: 11/09/2016 09:29:37 AM

Headroom -8.5 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

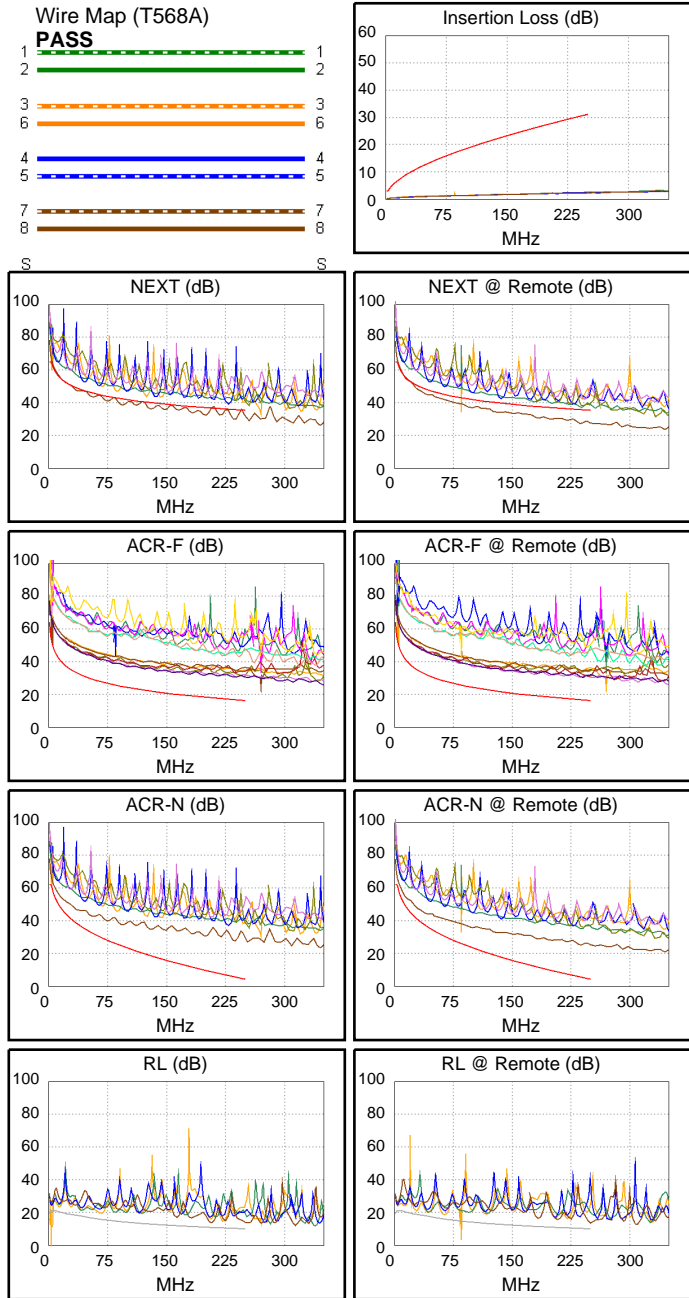
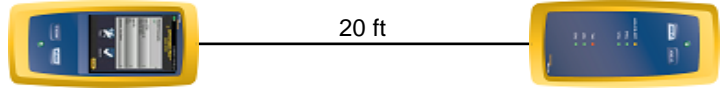
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	20
Prop. Delay (ns), Limit 498	[Pair 45]	30
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.3
Insertion Loss Margin (dB)	[Pair 36]	28.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	-5.9 F	-8.5 F	-5.9	-8.5
Freq. (MHz)	237.0	237.5	237.0	237.5
Limit (dB)	35.7	35.7	35.7	35.7
Worst Pair	36	45	36	45
PS NEXT (dB)	-3.8 F	-6.4 F	-3.8	-6.4
Freq. (MHz)	237.0	237.5	237.0	237.5
Limit (dB)	33.1	33.1	33.1	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	78-36	78-36
ACR-F (dB)	3.0	3.0	14.1	13.7
Freq. (MHz)	3.5	3.5	250.0	240.0
Limit (dB)	53.3	53.3	16.2	16.6
Worst Pair	12	36	36	36
PS ACR-F (dB)	5.9	5.3	14.1	13.7
Freq. (MHz)	3.5	3.5	239.0	240.5
Limit (dB)	50.3	50.3	13.6	13.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
ACR-N (dB)	1.9	4.4	22.1	19.6
Freq. (MHz)	3.5	3.8	237.0	237.5
Limit (dB)	61.7	61.1	5.6	5.5
Worst Pair	36	45	36	36
PS ACR-N (dB)	2.8	6.2	24.2	21.7
Freq. (MHz)	3.8	4.0	237.0	237.5
Limit (dB)	58.6	58.3	2.9	2.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-18.4	-8.2	-18.4	-8.2
Freq. (MHz)	3.4	85.3	3.4	85.3
Limit (dB)	21.0	14.7	21.0	14.7



Cable ID: REABILITACAO128

Date / Time: 11/09/2016 09:36:47 AM

Headroom -8.3 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

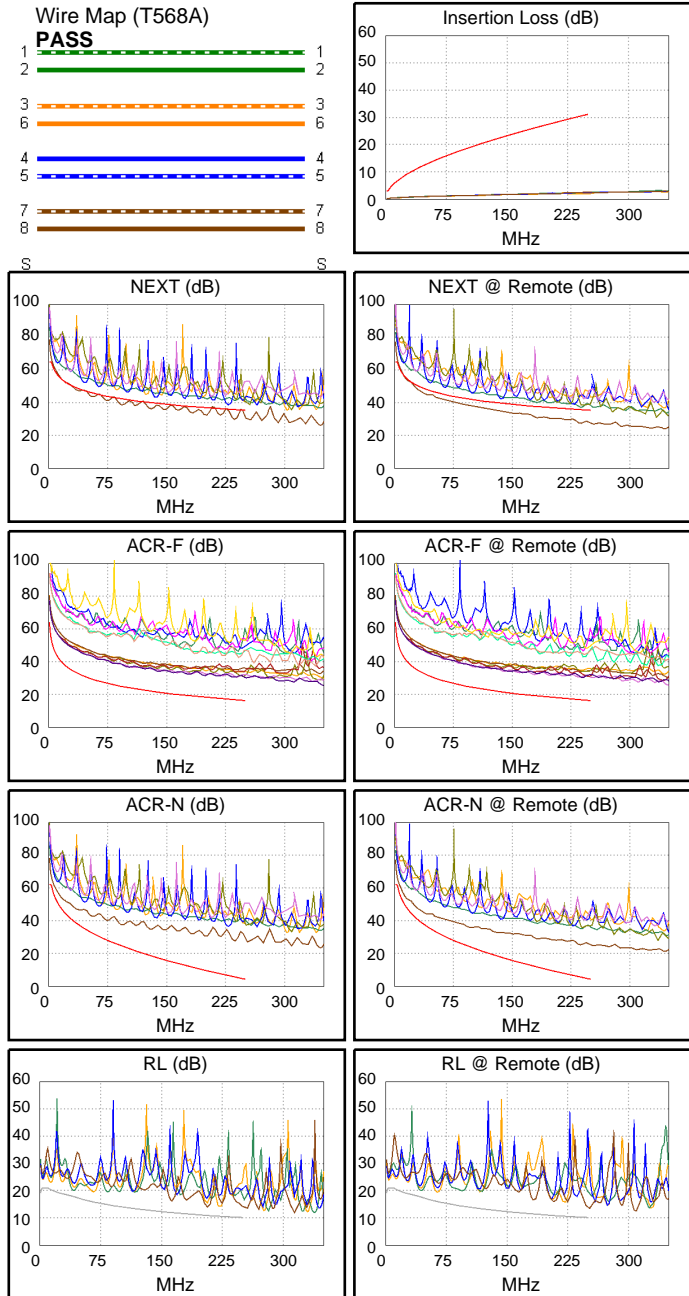
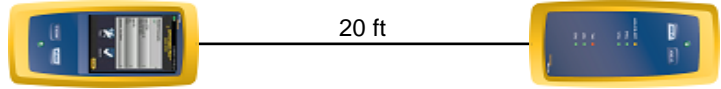
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	20
Prop. Delay (ns), Limit 498	[Pair 45]	30
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.3
Insertion Loss Margin (dB)	[Pair 36]	28.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



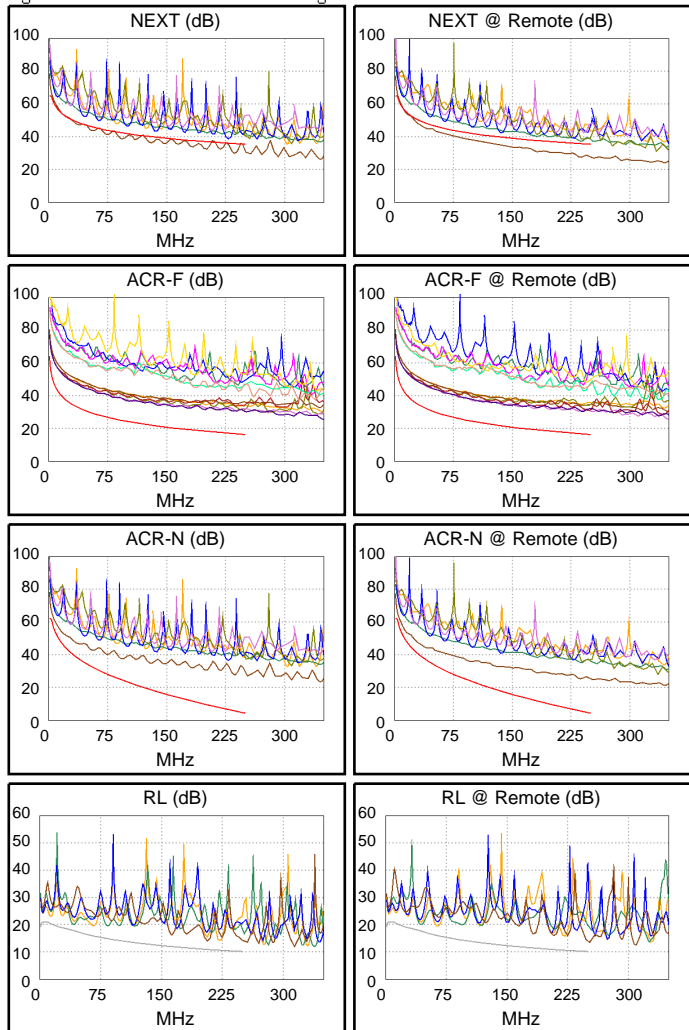
Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	-5.9 F	-8.3 F	-5.9	-8.3
Freq. (MHz)	237.5	238.0	237.5	238.0
Limit (dB)	35.7	35.7	35.7	35.7
Worst Pair	36	45	36	45
PS NEXT (dB)	-3.6 F	-6.2 F	-3.6	-6.1
Freq. (MHz)	237.5	238.0	237.5	238.5
Limit (dB)	33.1	33.1	33.1	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	78-36
ACR-F (dB)	12.6	12.7	14.1	13.6
Freq. (MHz)	99.3	138.5	250.0	240.0
Limit (dB)	24.3	21.4	16.2	16.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.0	12.0	13.9	13.7
Freq. (MHz)	1.1	1.3	238.0	240.5
Limit (dB)	60.2	59.3	13.7	13.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	5.3	4.4	22.2	21.1
Freq. (MHz)	4.8	3.5	237.5	250.0
Limit (dB)	59.1	61.7	5.5	4.2
Worst Pair	45	45	36	36
PS ACR-N (dB)	7.0	6.2	24.4	23.1
Freq. (MHz)	5.1	4.0	237.5	250.0
Limit (dB)	56.1	58.3	2.9	1.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	78
RL (dB)	2.2	2.4	3.3	3.5
Freq. (MHz)	42.0	44.0	222.0	250.0
Limit (dB)	17.8	17.6	10.5	10.0





Cable ID: REABILITACAO129

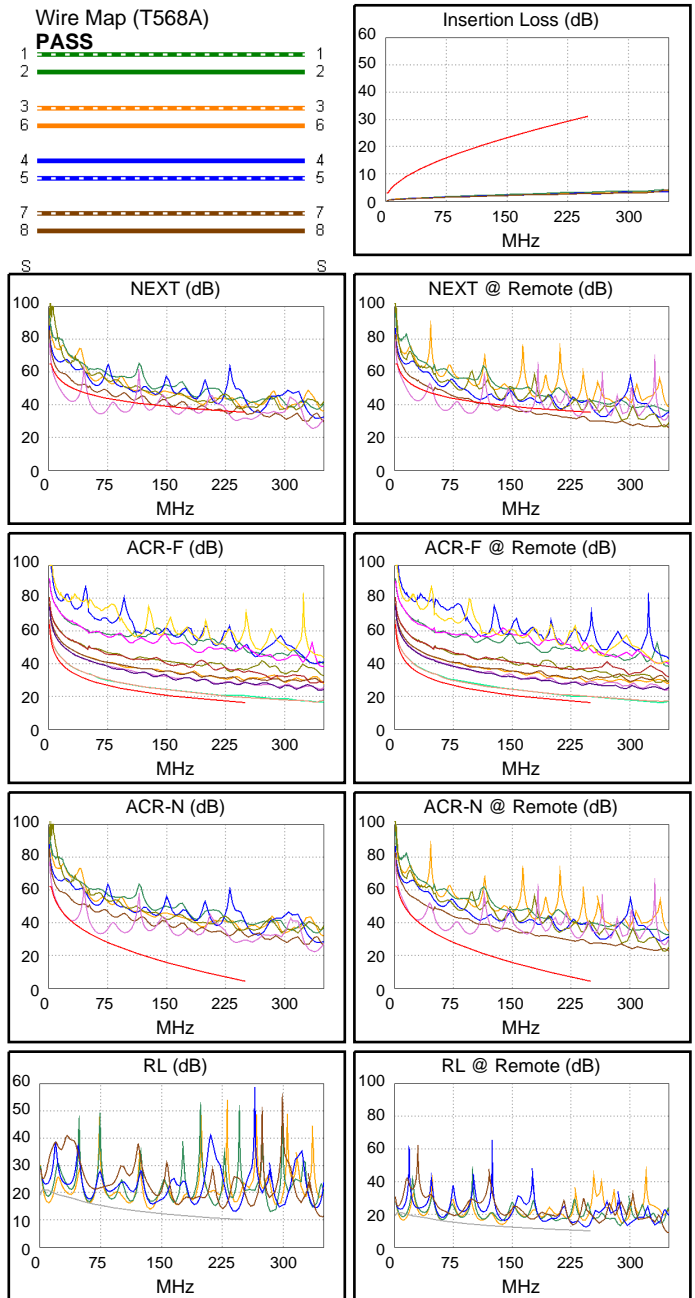
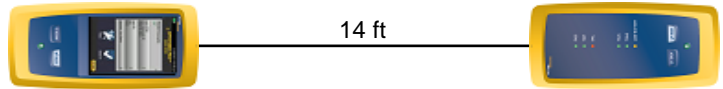
Date / Time: 11/09/2016 09:37:23 AM
Headroom -10.4 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	2.4
Insertion Loss Margin (dB)	[Pair 36]	27.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
NEXT (dB)	-10.4 F	-8.5 F	-5.3	-5.3
Freq. (MHz)	65.0	64.0	239.5	250.0
Limit (dB)	44.9	45.0	35.6	35.3
Worst Pair	45	45	45	45
PS NEXT (dB)	-8.1 F	-6.3 F	-3.7	-4.1
Freq. (MHz)	65.0	64.3	237.5	232.0
Limit (dB)	42.4	42.5	33.1	33.2
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	2.3	2.6	2.3	2.7
Freq. (MHz)	238.0	235.0	238.0	237.0
Limit (dB)	16.7	16.8	16.7	16.7
Worst Pair	45	78	45	78
PS ACR-F (dB)	5.2	5.1	5.2	5.2
Freq. (MHz)	238.0	235.0	238.0	238.0
Limit (dB)	13.7	13.8	13.7	13.7
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
ACR-N (dB)	-0.5	-0.2	22.5	23.0
Freq. (MHz)	23.5	24.1	239.5	250.0
Limit (dB)	43.4	43.1	5.3	4.2
Worst Pair	45	45	45	36
PS ACR-N (dB)	1.7	1.9	23.9	24.7
Freq. (MHz)	24.8	22.6	240.0	250.0
Limit (dB)	40.4	41.4	2.6	1.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	2.9	2.2	2.9	2.2
Freq. (MHz)	241.5	244.5	241.5	244.5
Limit (dB)	10.2	10.1	10.2	10.1



Cable ID: REABILITACAO13

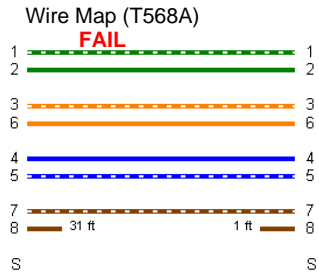
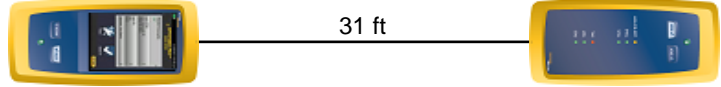
Date / Time: 10/10/2016 08:10:13 PM
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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)	[Pair 78]	31
Prop. Delay (ns)	[Pair 36]	48
Delay Skew (ns)	[Pair 36]	2
Resistance (ohms)	[Pair 78]	Open





Cable ID: REABILITACAO130

Date / Time: 11/09/2016 09:38:10 AM

Headroom -8.5 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

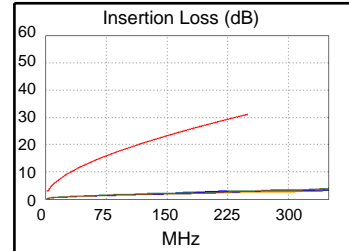
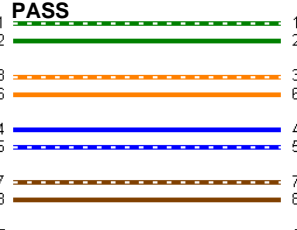
Length (ft), Limit 295	[Pair 45]	13
Prop. Delay (ns), Limit 498	[Pair 36]	21
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	3.6
Insertion Loss Margin (dB)	[Pair 36]	27.7
Frequency (MHz)	[Pair 36]	246.0
Limit (dB)	[Pair 36]	30.8



13 ft

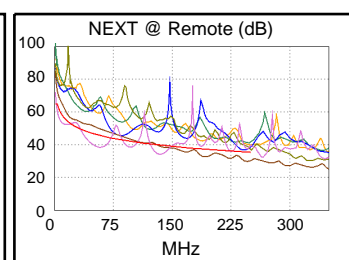
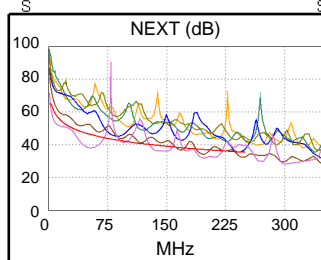


Wire Map (T568A)

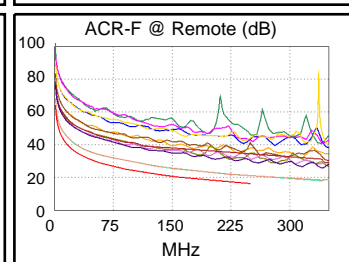
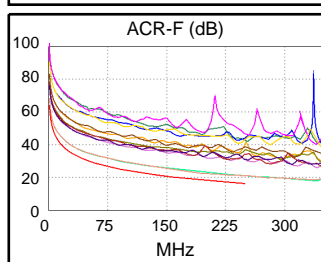


Worst Case Margin Worst Case Value

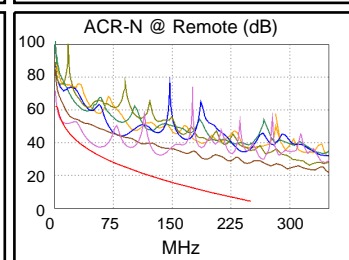
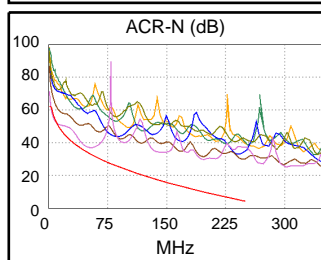
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
NEXT (dB)	-8.5 F	-7.4 F	-5.3	-5.6
Freq. (MHz)	50.3	57.3	196.5	246.5
Limit (dB)	46.7	45.8	37.1	35.4
Worst Pair	45	45	45	45
PS NEXT (dB)	-6.2 F	-5.2 F	-4.7	-4.0
Freq. (MHz)	51.3	57.3	196.5	246.5
Limit (dB)	44.1	43.3	34.4	32.8



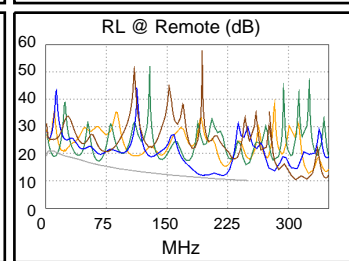
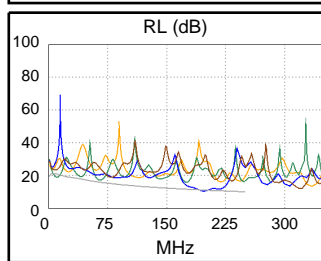
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	4.0	4.0	4.8	4.8
Freq. (MHz)	5.5	5.4	250.0	250.0
Limit (dB)	49.4	49.6	16.2	16.2
Worst Pair	78	78	78	78
PS ACR-F (dB)	6.3	6.4	7.5	7.5
Freq. (MHz)	1.1	2.4	250.0	250.0
Limit (dB)	60.2	53.7	13.2	13.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
ACR-N (dB)	-1.9	-1.7	19.7	22.8
Freq. (MHz)	4.8	4.9	196.5	246.5
Limit (dB)	59.1	58.9	10.0	4.6
Worst Pair	45	45	45	36
PS ACR-N (dB)	0.1	0.3	19.6	24.2
Freq. (MHz)	4.8	4.5	196.5	249.0
Limit (dB)	56.8	57.3	7.4	1.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.0	5.8	-0.6	1.3
Freq. (MHz)	248.0	249.0	198.0	219.5
Limit (dB)	10.1	10.0	11.0	10.6





Cable ID: REABILITACAO131

Date / Time: 11/09/2016 09:38:37 AM

Headroom -5.6 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

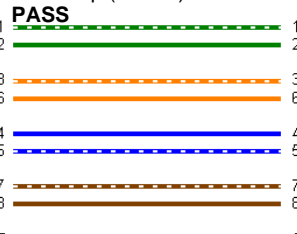
Length (ft), Limit 295	[Pair 36]	13
Prop. Delay (ns), Limit 498	[Pair 45]	20
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.0
Insertion Loss Margin (dB)	[Pair 36]	29.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



13 ft

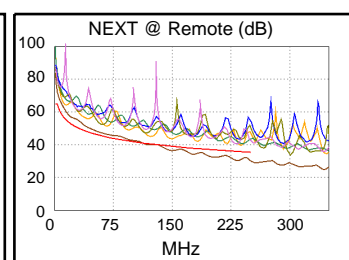
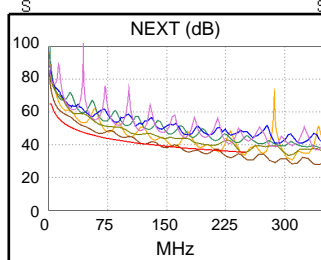


Wire Map (T568A)

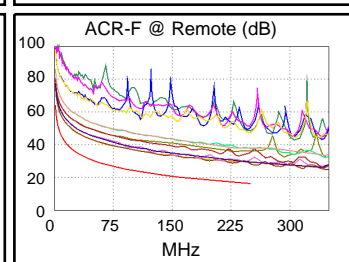
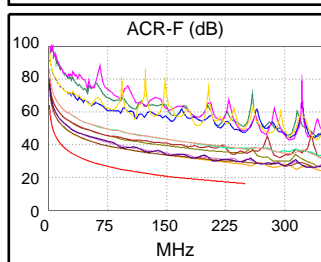


Worst Case Margin Worst Case Value

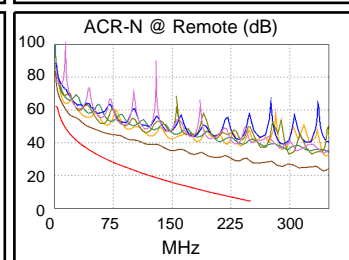
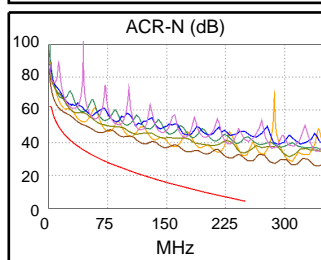
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	-3.8 F	-5.6 F	-3.8	-5.1
Freq. (MHz)	250.0	234.0	250.0	250.0
Limit (dB)	35.3	35.8	35.3	35.3
Worst Pair	36	45	36	45
PS NEXT (dB)	-4.2 F	-3.7 F	-4.2	-3.7
Freq. (MHz)	250.0	234.0	250.0	234.0
Limit (dB)	32.7	33.2	32.7	33.2



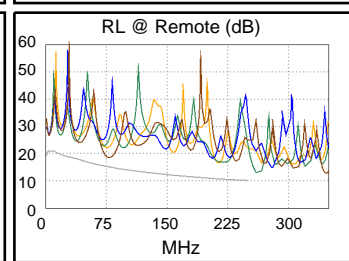
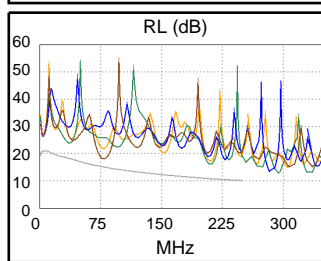
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
ACR-F (dB)	11.4	11.7	11.7	12.0
Freq. (MHz)	227.0	227.0	250.0	250.0
Limit (dB)	17.1	17.1	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	11.5	11.6	12.3	12.3
Freq. (MHz)	1.3	1.5	250.0	247.5
Limit (dB)	59.3	57.7	13.2	13.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	10.2	10.2	25.7	24.4
Freq. (MHz)	4.9	4.0	250.0	250.0
Limit (dB)	58.9	60.6	4.2	4.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	11.4	11.3	25.1	24.7
Freq. (MHz)	4.9	10.5	250.0	233.5
Limit (dB)	56.6	49.5	1.6	3.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	36	12
RL (dB)	3.0	3.4	5.3	5.7
Freq. (MHz)	78.5	78.5	211.5	214.5
Limit (dB)	15.1	15.1	10.7	10.7





Cable ID: REABILITACAO132

Date / Time: 11/09/2016 09:41:07 AM

Headroom 4.4 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

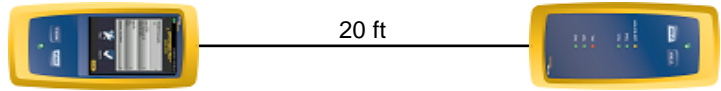
Main S/N: 2420012

Remote S/N: 2420016

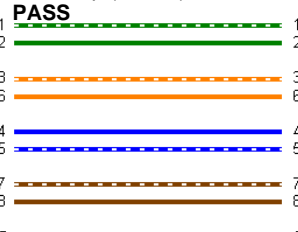
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

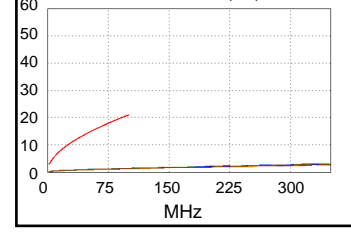
Length (ft), Limit 295	[Pair 36]	20
Prop. Delay (ns), Limit 498	[Pair 45]	30
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.4
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

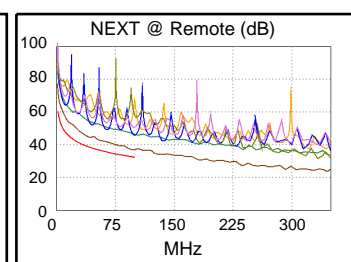
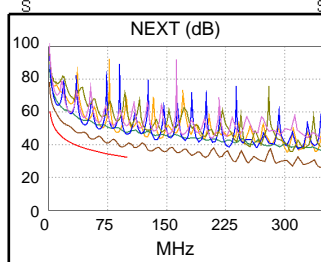


Insertion Loss (dB)

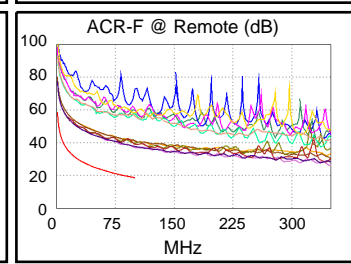
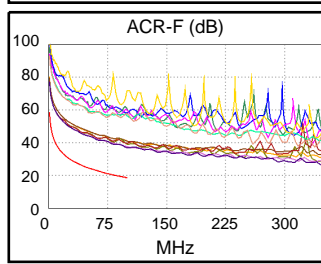


Worst Case Margin Worst Case Value

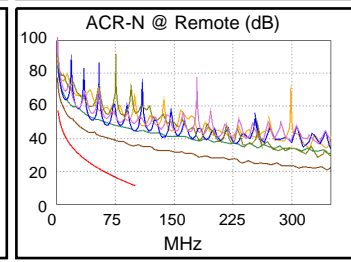
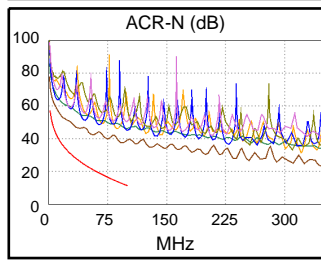
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	5.8	4.4	5.8	4.7
Freq. (MHz)	93.5	96.5	93.5	99.8
Limit (dB)	32.8	32.6	32.8	32.3
Worst Pair	45	45	45	45
PS NEXT (dB)	8.3	6.8	8.3	7.0
Freq. (MHz)	93.5	97.8	93.5	99.8
Limit (dB)	29.8	29.5	29.8	29.3



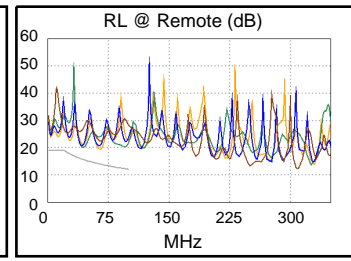
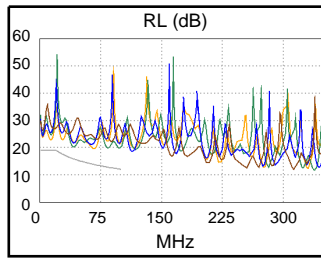
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	36-78	78-36	36-78
ACR-F (dB)	18.3	18.4	18.3	18.4
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	18.6	18.6	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.7	17.6	18.4	18.6
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	53.7	53.7	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	14.5	14.0	24.8	24.3
Freq. (MHz)	2.8	3.8	93.5	99.8
Limit (dB)	54.0	51.4	12.6	11.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	16.9	16.5	27.3	26.6
Freq. (MHz)	2.8	3.8	93.5	99.8
Limit (dB)	51.0	48.4	9.6	8.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	12
RL (dB)	3.8	4.4	5.9	5.5
Freq. (MHz)	14.0	44.3	67.8	65.0
Limit (dB)	19.0	15.6	13.7	13.9



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



Cable ID: REABILITACAO133

Date / Time: 11/09/2016 09:42:06 AM

Headroom -1.0 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

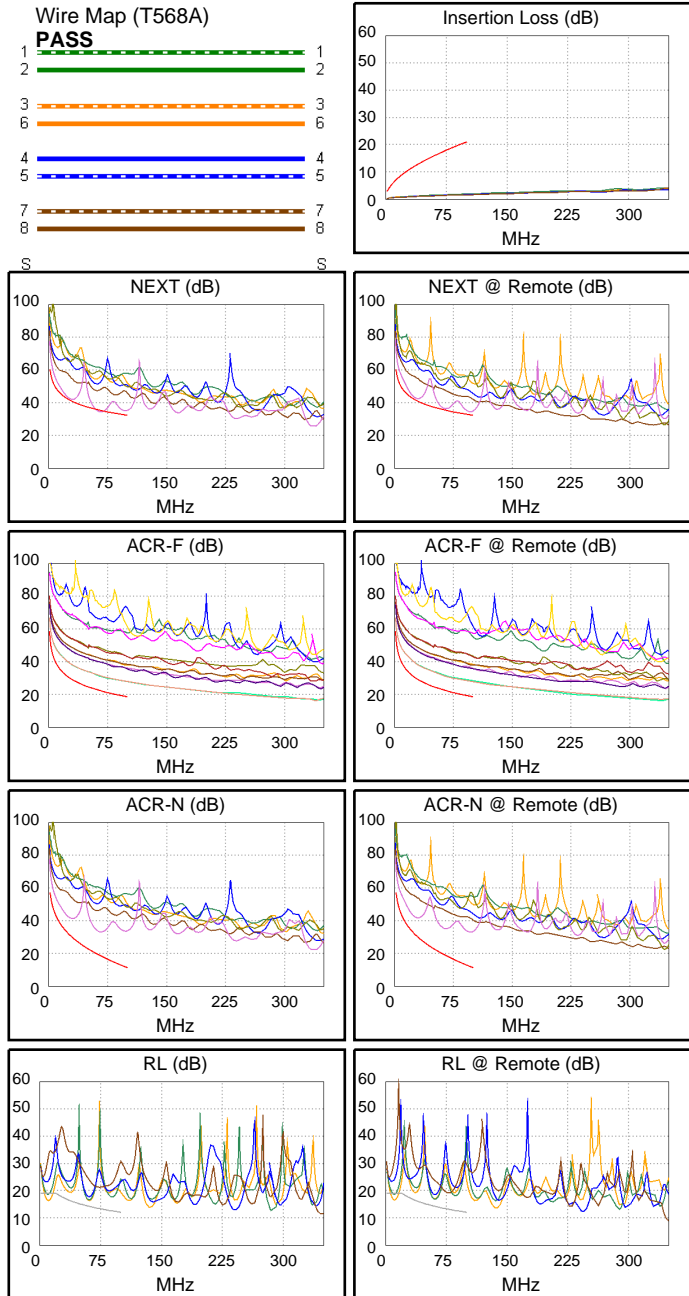
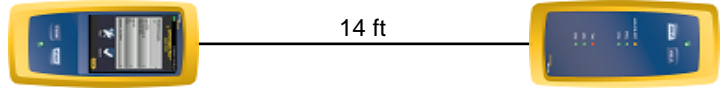
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.0 F	0.9	-0.7	2.0
Freq. (MHz)	65.0	64.3	67.8	97.8
Limit (dB)	35.4	35.5	35.1	32.5
Worst Pair	45	45	45	45
PS NEXT (dB)	1.8	3.6	2.1	4.4
Freq. (MHz)	65.0	64.3	67.8	97.8
Limit (dB)	32.4	32.5	32.1	29.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
ACR-F (dB)	8.5	8.5	9.0	8.9
Freq. (MHz)	1.8	4.9	100.0	100.0
Limit (dB)	53.8	44.9	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	10.8	10.8	11.5	11.7
Freq. (MHz)	1.3	1.8	100.0	100.0
Limit (dB)	53.7	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	10.3	15.1	21.3
Freq. (MHz)	24.1	23.1	67.8	97.8
Limit (dB)	32.6	33.1	18.1	11.7
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.0	13.1	17.8	23.7
Freq. (MHz)	24.1	23.1	67.8	97.8
Limit (dB)	29.6	30.1	15.1	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.7	-2.5	2.2	-2.5
Freq. (MHz)	11.4	11.0	62.0	11.0
Limit (dB)	19.0	19.0	14.1	19.0



Cable ID: REABILITACAO134

Date / Time: 11/09/2016 09:43:25 AM

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

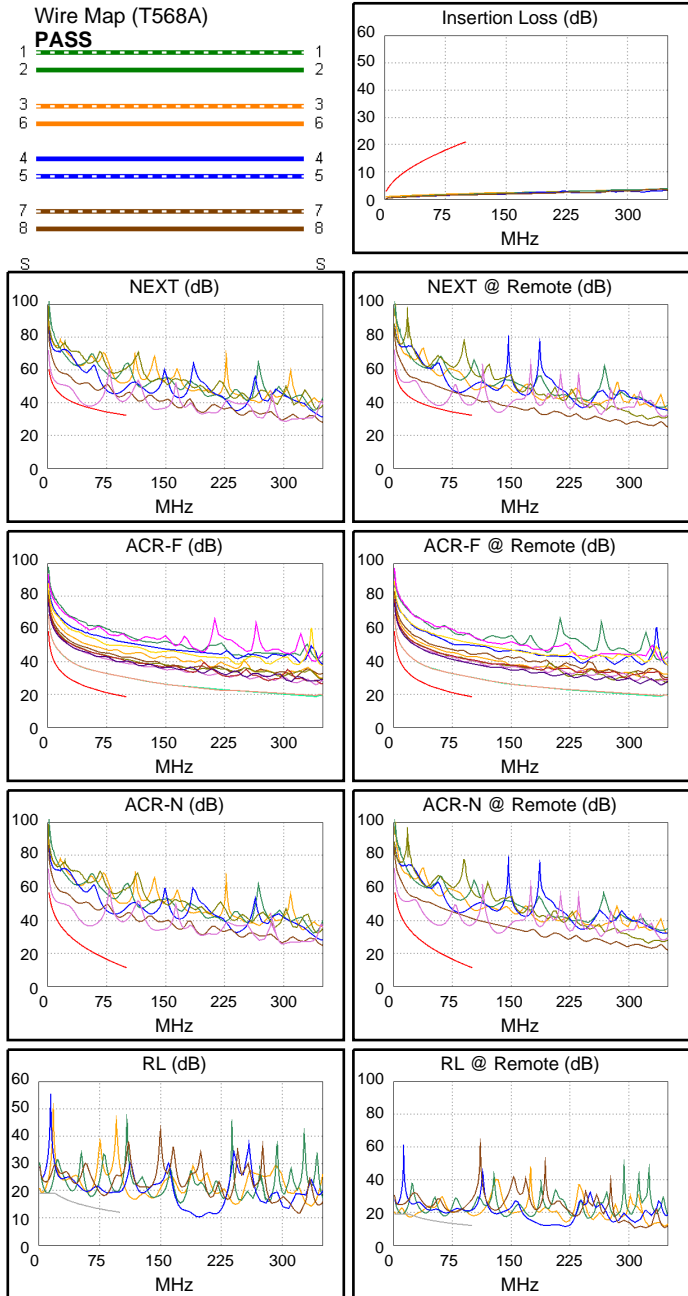
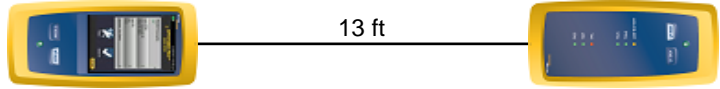
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	13
Prop. Delay (ns), Limit 498	[Pair 36]	21
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	16.4
Insertion Loss Margin (dB)	[Pair 12]	19.0
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



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	1.9	1.1	2.3
Freq. (MHz)	51.3	55.8	54.3	59.5
Limit (dB)	37.1	36.5	36.7	36.0
Worst Pair	45	45	45	45
PS NEXT (dB)	3.7	4.6	3.9	8.0
Freq. (MHz)	51.3	55.8	54.3	98.0
Limit (dB)	34.1	33.5	33.7	29.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
ACR-F (dB)	10.3	10.3	11.4	11.4
Freq. (MHz)	4.9	4.9	100.0	100.0
Limit (dB)	44.9	44.9	18.6	18.6
Worst Pair	78	78	78	45
PS ACR-F (dB)	12.6	12.6	13.9	14.0
Freq. (MHz)	1.0	2.1	100.0	100.0
Limit (dB)	55.6	49.1	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	8.1	8.3	15.2	25.4
Freq. (MHz)	4.4	4.6	54.3	98.0
Limit (dB)	50.1	49.6	21.6	11.7
Worst Pair	45	45	45	45
PS ACR-N (dB)	10.8	10.9	18.0	27.3
Freq. (MHz)	4.4	3.5	54.3	98.0
Limit (dB)	47.1	49.0	18.6	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	0.1	-1.7	4.0	-1.4
Freq. (MHz)	11.4	20.6	65.5	22.0
Limit (dB)	19.0	18.9	13.8	18.6

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



Cable ID: REABILITACAO135

Date / Time: 11/09/2016 09:44:50 AM

Headroom 10.0 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

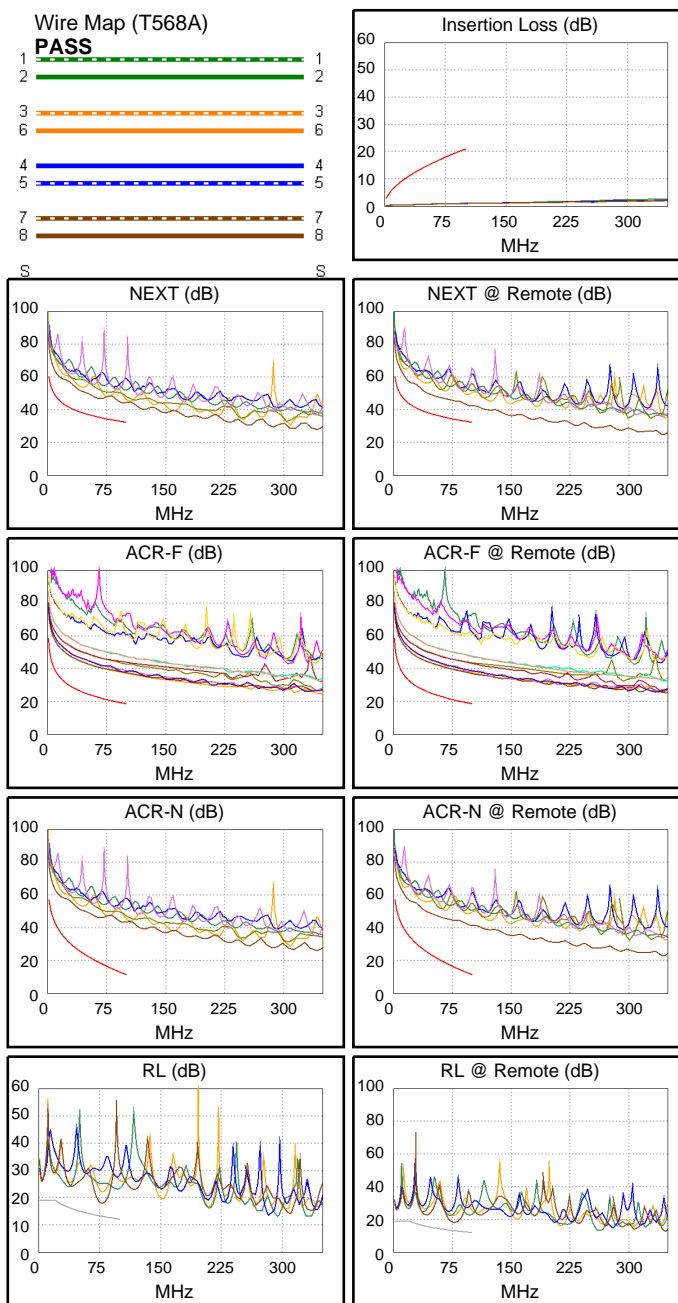
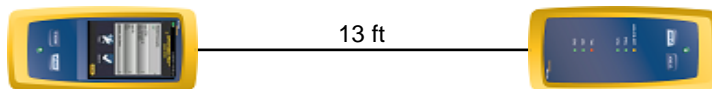
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	13
Prop. Delay (ns), Limit 498	[Pair 45]	20
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	1.6
Insertion Loss Margin (dB)	[Pair 12]	20.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	11.4	10.0	11.9	10.2
Freq. (MHz)	66.0	97.8	99.0	100.0
Limit (dB)	35.3	32.5	32.4	32.3
Worst Pair	36	36	36	36
PS NEXT (dB)	12.0	11.8	12.0	11.9
Freq. (MHz)	100.0	94.5	100.0	96.5
Limit (dB)	29.3	29.7	29.3	29.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-12
ACR-F (dB)	17.6	17.6	18.3	18.3
Freq. (MHz)	4.1	3.0	100.0	100.0
Limit (dB)	46.3	49.1	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.3	17.3	18.4	18.6
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	53.7	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)	19.9	19.7	31.9	30.3
Freq. (MHz)	4.4	3.6	99.0	100.0
Limit (dB)	50.1	51.7	11.5	11.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	21.7	21.7	32.1	31.6
Freq. (MHz)	2.3	5.1	100.0	96.5
Limit (dB)	52.7	45.7	8.3	9.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	4.8	5.0	4.9	5.0
Freq. (MHz)	78.5	78.0	79.3	78.0
Limit (dB)	13.1	13.1	13.0	13.1

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



Cable ID: REABILITACAO136

Date / Time: 11/09/2016 09:52:27 AM

Headroom -0.8 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

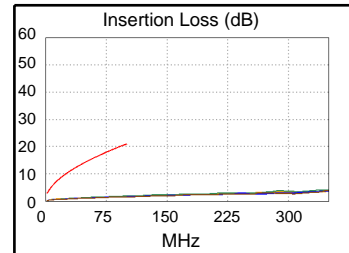
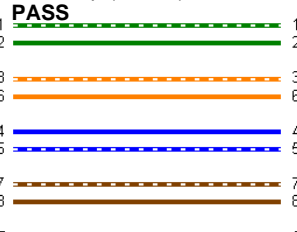
Length (ft), Limit 295	[Pair 45]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



14 ft

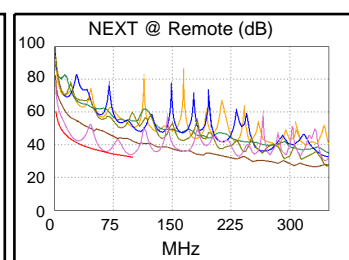
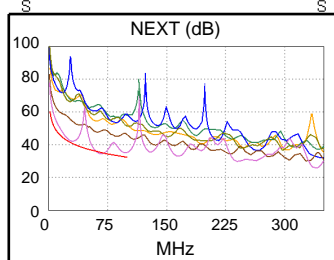


Wire Map (T568A)

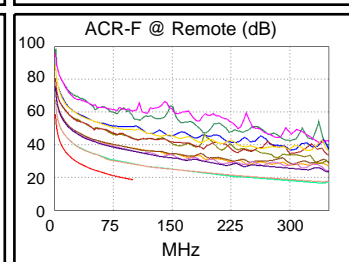
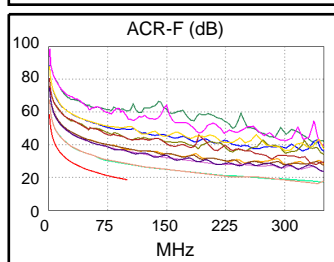


Worst Case Margin Worst Case Value

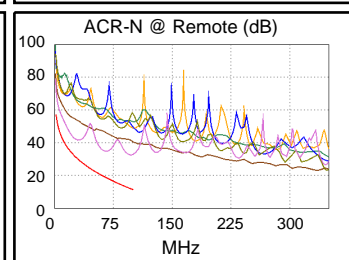
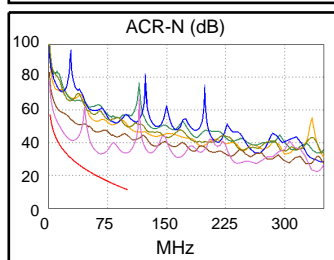
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-0.8 F	0.6	-0.5	1.6
Freq. (MHz)	66.0	65.0	68.3	98.5
Limit (dB)	35.3	35.4	35.0	32.4
Worst Pair	45	45	45	45
PS NEXT (dB)	2.0	3.3	2.3	4.0
Freq. (MHz)	66.0	65.0	68.3	98.5
Limit (dB)	32.3	32.4	32.0	29.4



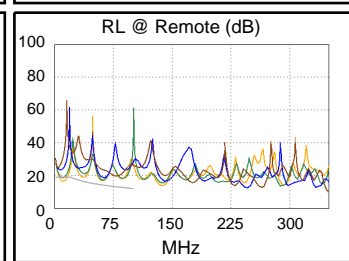
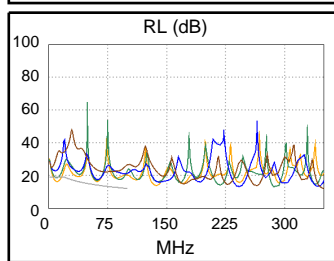
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	8.9	8.9	9.3	9.2
Freq. (MHz)	71.3	71.3	100.0	100.0
Limit (dB)	21.6	21.6	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	11.3	11.3	11.7	12.0
Freq. (MHz)	71.3	1.0	100.0	100.0
Limit (dB)	18.6	55.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.3	10.6	15.3	21.1
Freq. (MHz)	23.9	24.8	68.3	99.3
Limit (dB)	32.7	32.3	18.0	11.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.1	13.3	18.0	23.3
Freq. (MHz)	23.9	24.8	68.3	98.5
Limit (dB)	29.7	29.3	15.0	8.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.8	-2.6	-2.8	-2.6
Freq. (MHz)	10.9	11.5	10.9	11.5
Limit (dB)	19.0	19.0	19.0	19.0





Cable ID: REABILITACAO137

Date / Time: 11/09/2016 09:56:08 AM

Headroom -0.7 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

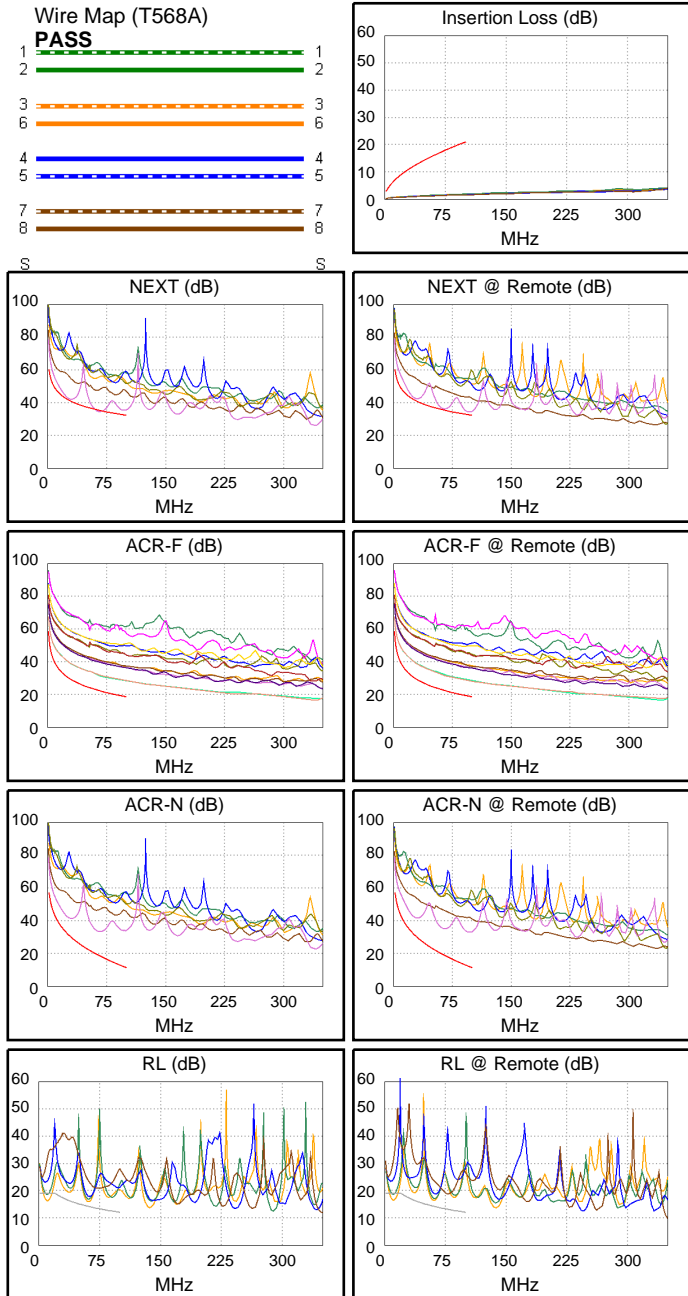
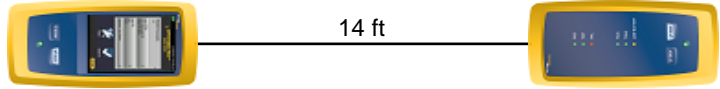
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-0.7 F	0.8	-0.7	2.0
Freq. (MHz)	66.8	64.8	66.8	98.3
Limit (dB)	35.2	35.4	35.2	32.4
Worst Pair	45	45	45	45
PS NEXT (dB)	2.1	3.5	2.1	4.5
Freq. (MHz)	66.8	64.8	66.8	99.3
Limit (dB)	32.2	32.4	32.2	29.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	9.0	9.0	9.5	9.5
Freq. (MHz)	70.5	70.5	100.0	100.0
Limit (dB)	21.7	21.7	18.6	18.6
Worst Pair	78	78	78	78
PS ACR-F (dB)	11.4	11.4	11.9	12.1
Freq. (MHz)	70.5	1.8	100.0	100.0
Limit (dB)	18.7	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)	10.3	10.6	14.9	21.5
Freq. (MHz)	24.8	24.8	66.8	99.3
Limit (dB)	32.3	32.3	18.4	11.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	13.1	13.3	17.6	23.9
Freq. (MHz)	24.8	23.8	66.8	99.3
Limit (dB)	29.3	29.8	15.4	8.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.8	-2.6	1.8	2.3
Freq. (MHz)	10.8	11.0	62.3	61.8
Limit (dB)	19.0	19.0	14.1	14.1



Cable ID: REABILITACAO138

Date / Time: 11/09/2016 10:05:19 AM

Headroom -1.2 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

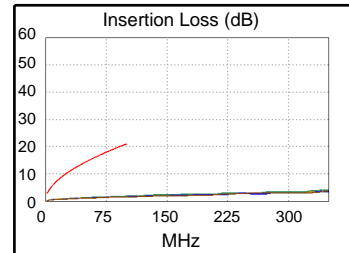
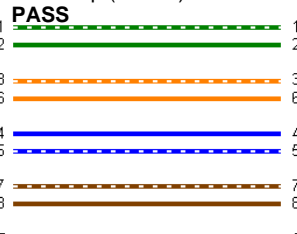
Length (ft), Limit 295	[Pair 12]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 12]	19.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



14 ft

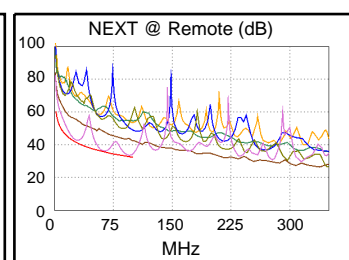
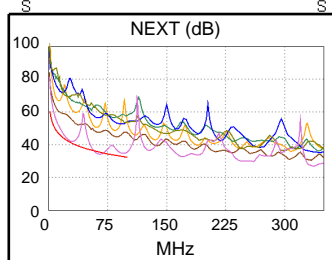


Wire Map (T568A)

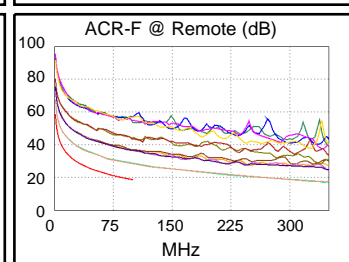
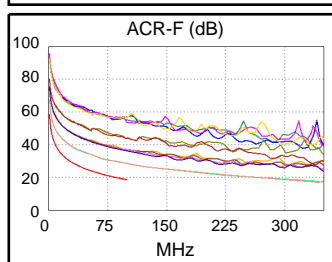


Worst Case Margin Worst Case Value

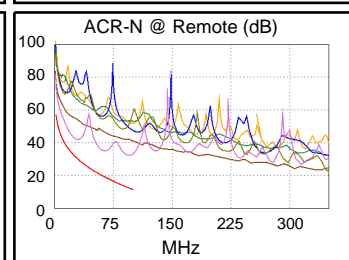
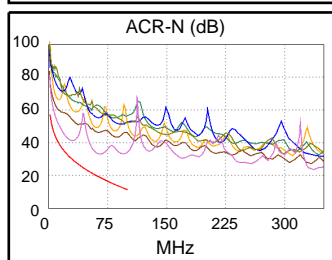
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-1.2F	0.5	-1.1	1.0
Freq. (MHz)	65.0	62.3	66.0	96.5
Limit (dB)	35.4	35.7	35.3	32.6
Worst Pair	45	45	45	45
PS NEXT (dB)	1.6	3.2	1.7	3.7
Freq. (MHz)	65.0	62.3	66.0	97.3
Limit (dB)	32.4	32.7	32.3	29.5



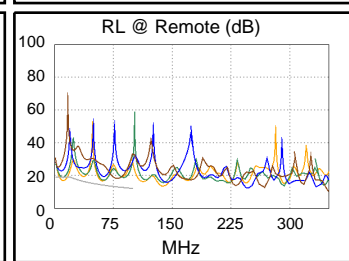
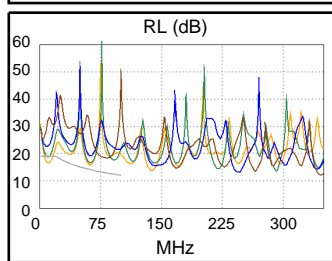
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	9.1	9.1	9.5	9.4
Freq. (MHz)	1.1	1.1	99.3	99.3
Limit (dB)	57.6	57.6	18.7	18.7
Worst Pair	78	78	78	45
PS ACR-F (dB)	11.5	11.4	12.0	12.3
Freq. (MHz)	2.5	1.0	99.3	99.3
Limit (dB)	47.7	55.6	15.7	15.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.0	10.6	14.5	20.2
Freq. (MHz)	23.8	23.8	66.0	96.5
Limit (dB)	32.8	32.8	18.5	12.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	12.8	13.3	17.3	22.9
Freq. (MHz)	23.1	23.5	66.0	97.3
Limit (dB)	30.1	29.9	15.5	8.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.5	-2.2	1.7	2.5
Freq. (MHz)	11.4	11.5	62.0	61.8
Limit (dB)	19.0	19.0	14.1	14.1





Cable ID: REABILITACAO139

Date / Time: 11/09/2016 10:18:17 AM

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

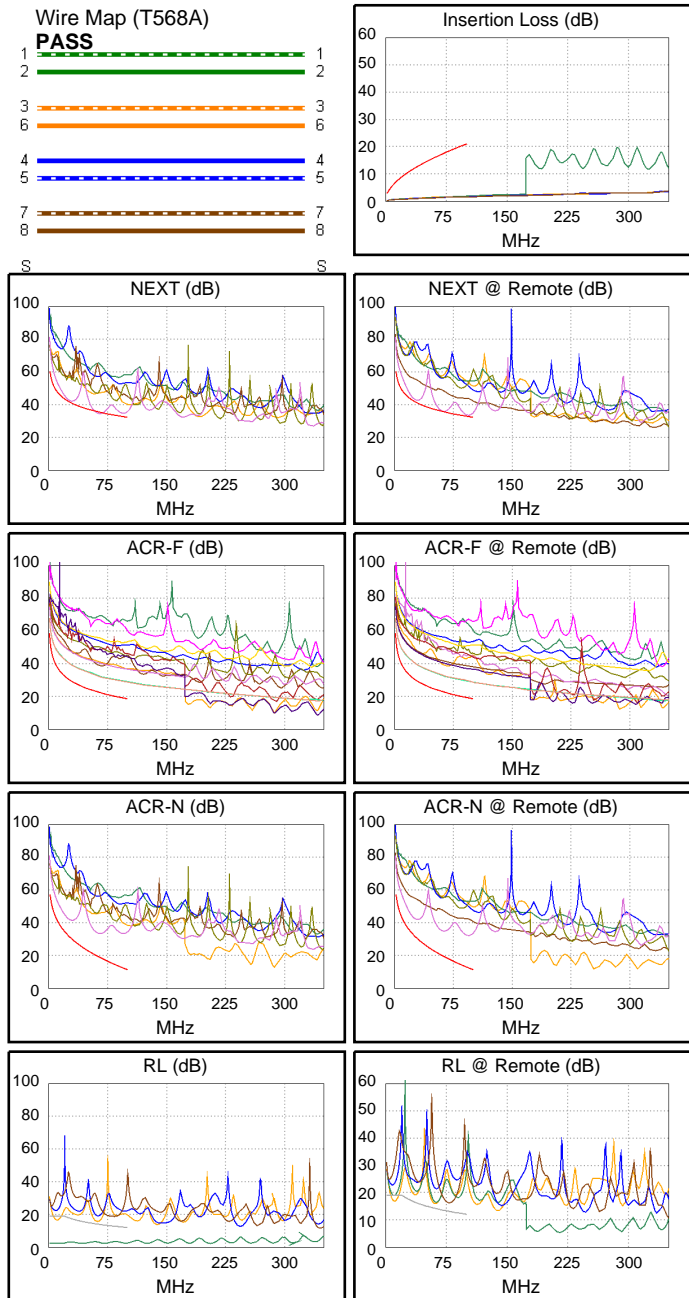
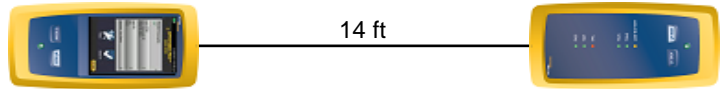
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



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*	-0.6	0.9
Freq. (MHz)	64.3	62.5	66.8	94.8
Limit (dB)	35.5	35.7	35.2	32.7
Worst Pair	78	45	78	45
PS NEXT (dB)	1.9	3.1	2.1	3.5
Freq. (MHz)	64.3	62.5	65.3	94.8
Limit (dB)	32.5	32.7	32.3	29.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	9.4	9.4	10.1	10.1
Freq. (MHz)	6.0	1.8	100.0	100.0
Limit (dB)	43.1	53.8	18.6	18.6
Worst Pair	78	45	78	45
PS ACR-F (dB)	11.6	11.7	12.6	13.0
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	45-78	45-78	45-78	45-78
ACR-N (dB)	10.2	10.5	21.4	19.9
Freq. (MHz)	24.8	23.8	96.5	94.8
Limit (dB)	32.3	32.8	12.0	12.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	12.9	13.2	24.0	22.4
Freq. (MHz)	22.8	23.1	96.5	94.8
Limit (dB)	30.3	30.1	9.0	9.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	-16.7	-2.2	-11.1	1.8
Freq. (MHz)	17.6	11.4	72.8	62.0
Limit (dB)	19.0	19.0	13.4	14.1

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO14

Date / Time: 10/10/2016 08:12:21 PM

Headroom -41.2 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: FAIL

Model: DSX-5000

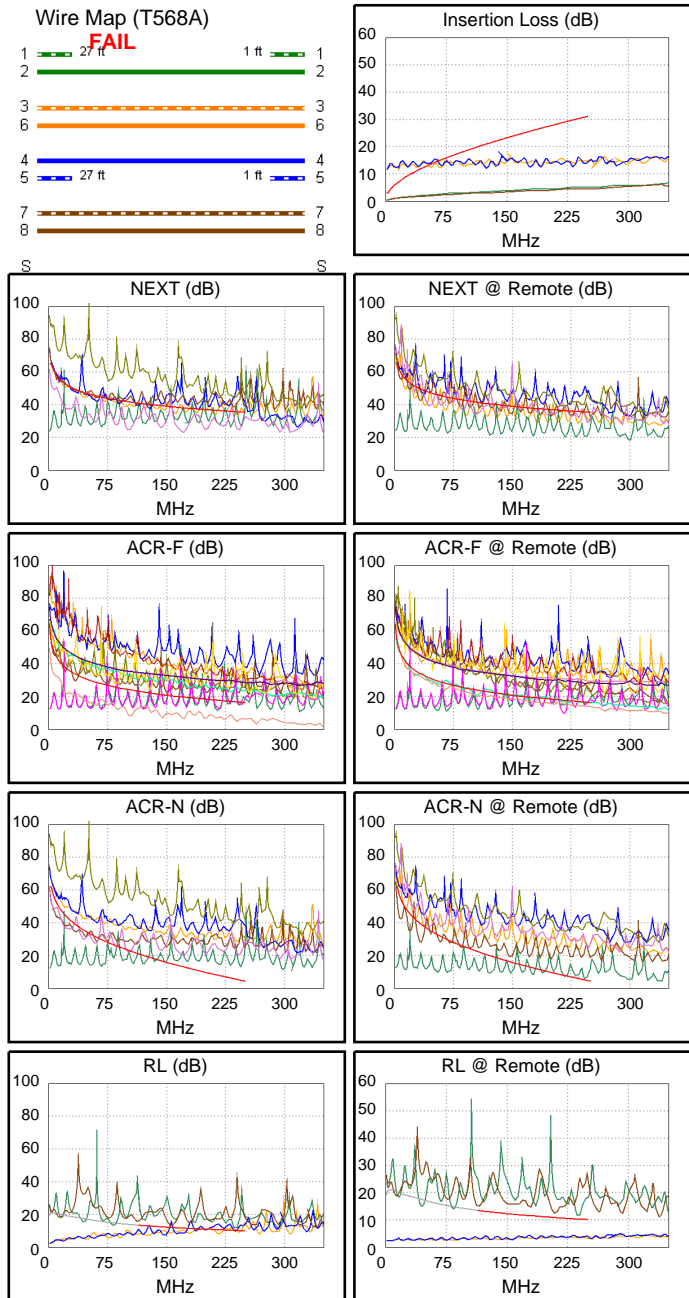
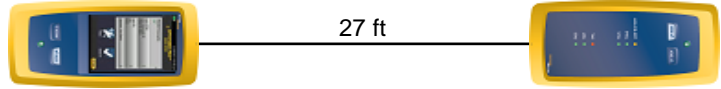
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 45]	Open
Insertion Loss Margin (dB)	[Pair 45]	-9.6 F
Frequency (MHz)	[Pair 45]	5.3
Limit (dB)	[Pair 45]	4.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-78	12-45
NEXT (dB)	-41.2 F	-41.0 F	-14.9	-15.5
Freq. (MHz)	1.3	1.1	171.5	244.5
Limit (dB)	65.0	65.0	38.0	35.5
Worst Pair	12	12	45	45
PS NEXT (dB)	-38.2 F	-38.0 F	-12.5	-13.3
Freq. (MHz)	1.3	1.1	171.5	244.5
Limit (dB)	62.0	62.0	35.4	32.9
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-45	45-12
ACR-F (dB)	-51.9 F	-52.0 F	-12.1	-7.9
Freq. (MHz)	1.0	1.0	238.5	216.5
Limit (dB)	64.2	64.2	16.6	17.5
Worst Pair	12	45	45	12
PS ACR-F (dB)	-48.9 F	-49.0 F	-9.2	-5.1
Freq. (MHz)	1.0	1.0	238.5	216.5
Limit (dB)	61.2	61.2	13.6	14.5
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	-49.9	-49.7	-49.9	1.0
Freq. (MHz)	1.0	1.0	1.0	243.5
Limit (dB)	62.0	62.0	62.0	4.9
Worst Pair	45	45	45	12
PS ACR-N (dB)	-46.9	-46.7	-3.3	-0.5
Freq. (MHz)	1.0	1.0	171.5	218.5
Limit (dB)	59.0	59.0	10.4	4.9
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	12
RL (dB)	-18.5 F	-18.8 F	-16.8	-18.8
Freq. (MHz)	3.3	7.5	1.0	7.5
Limit (dB)	21.0	21.0	19.1	21.0



Cable ID: REABILITACAO15

Date / Time: 10/10/2016 08:13:12 PM

Headroom 2.1 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: PASS

Model: DSX-5000

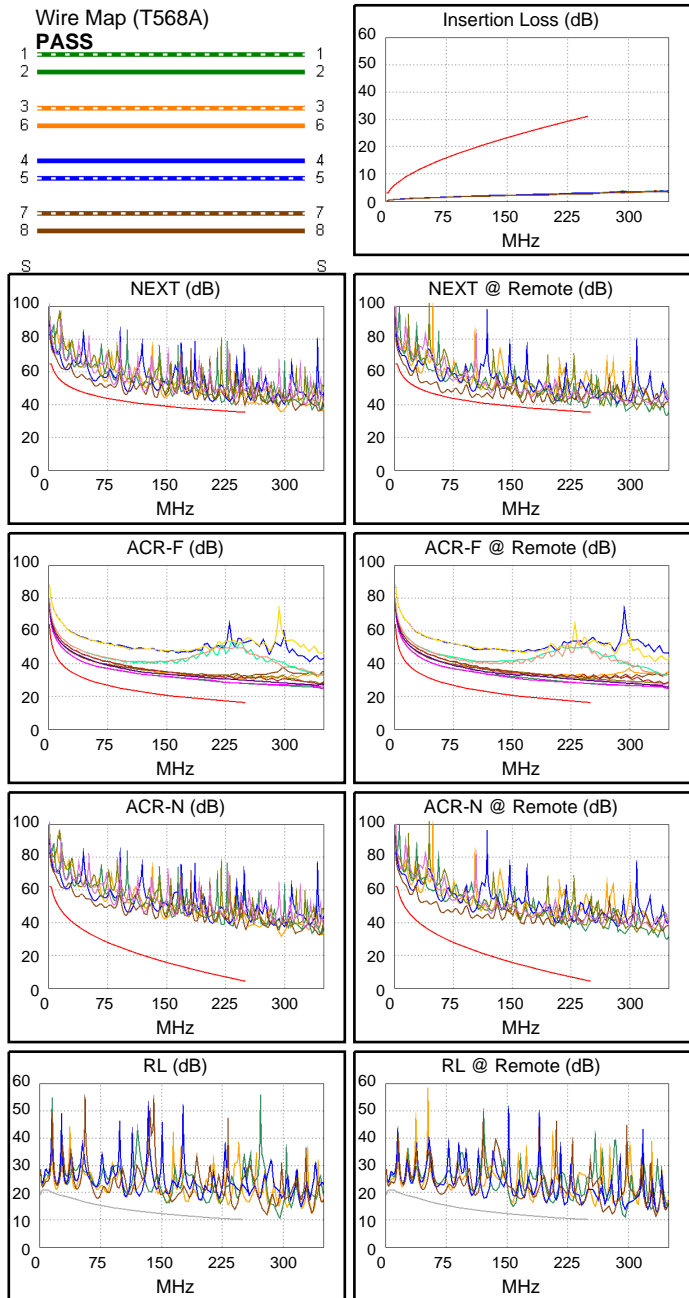
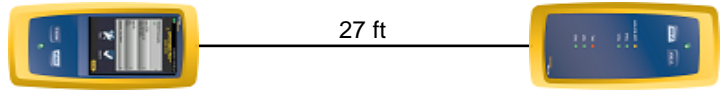
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	27
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]	27.7
Frequency (MHz)	[Pair 36]	244.5
Limit (dB)	[Pair 36]	30.7



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
NEXT (dB)	3.8	2.1	4.0	2.4
Freq. (MHz)	239.0	61.5	250.0	243.5
Limit (dB)	35.7	45.3	35.3	35.5
Worst Pair	12	36	12	45
PS NEXT (dB)	3.7	2.9	3.7	3.7
Freq. (MHz)	232.0	161.5	232.0	243.0
Limit (dB)	33.2	35.9	33.2	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	9.6	9.6	10.4	10.8
Freq. (MHz)	51.5	45.3	250.0	250.0
Limit (dB)	30.0	31.1	16.2	16.2
Worst Pair	12	45	45	45
PS ACR-F (dB)	10.6	10.6	12.2	12.3
Freq. (MHz)	41.8	44.3	250.0	250.0
Limit (dB)	28.8	28.3	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-45
ACR-N (dB)	12.9	12.1	32.2	30.0
Freq. (MHz)	3.8	20.0	250.0	243.5
Limit (dB)	61.1	45.2	4.2	4.9
Worst Pair	36	36	12	45
PS ACR-N (dB)	13.8	12.5	30.7	31.3
Freq. (MHz)	4.1	4.0	232.0	243.0
Limit (dB)	58.0	58.3	3.5	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	78	45
RL (dB)	7.5	5.2	3.6	5.2
Freq. (MHz)	244.5	243.5	240.5	243.5
Limit (dB)	10.1	10.1	10.2	10.1

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: REABILITACAO16

Date / Time: 10/10/2016 08:14:43 PM

Headroom -15.8 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

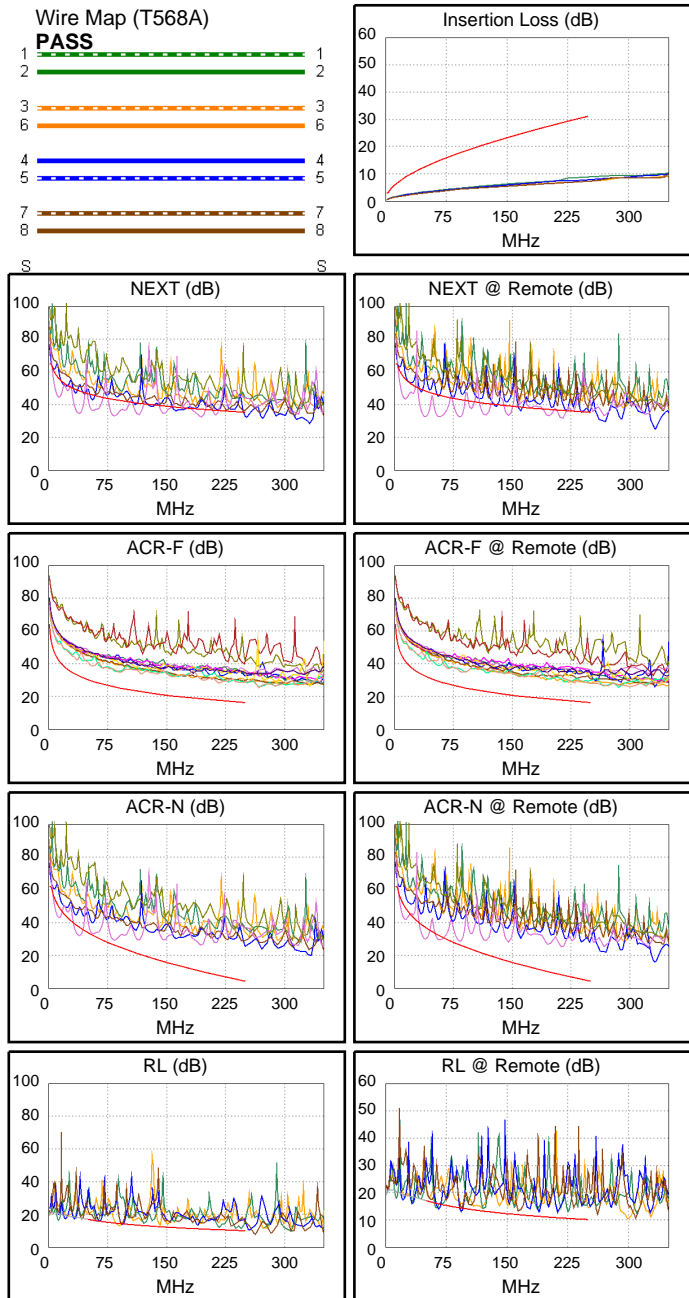
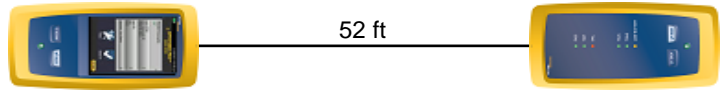
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	52
Prop. Delay (ns), Limit 498	[Pair 45]	78
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 36]	5.7
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	238.5
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.8 F	-15.8 F	-4.6	-4.9
Freq. (MHz)	38.8	38.8	194.5	213.5
Limit (dB)	48.5	48.5	37.1	36.5
Worst Pair	45	45	45	78
PS NEXT (dB)	-11.5 F	-13.4 F	-2.7	-2.7
Freq. (MHz)	38.5	38.5	195.0	214.0
Limit (dB)	46.1	46.1	34.5	33.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	12-36
ACR-F (dB)	9.2	9.2	10.7	11.8
Freq. (MHz)	36.0	85.5	218.0	249.0
Limit (dB)	33.1	25.6	17.4	16.3
Worst Pair	45	78	78	45
PS ACR-F (dB)	11.3	11.0	13.4	13.8
Freq. (MHz)	36.0	11.1	250.0	250.0
Limit (dB)	30.1	40.3	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
ACR-N (dB)	-7.1	-8.0	21.5	17.1
Freq. (MHz)	11.5	11.9	250.0	213.5
Limit (dB)	50.9	50.6	4.2	8.1
Worst Pair	45	45	12	45
PS ACR-N (dB)	-5.0	-5.8	23.2	18.6
Freq. (MHz)	11.5	11.8	250.0	214.0
Limit (dB)	48.6	48.4	1.6	5.4

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	45	36	45
RL (dB)	-1.3 F	-1.9 F	1.3	2.0
Freq. (MHz)	90.0	65.3	245.5	213.0
Limit (dB)	14.5	15.9	10.1	10.7



Cable ID: REABILITACAO17

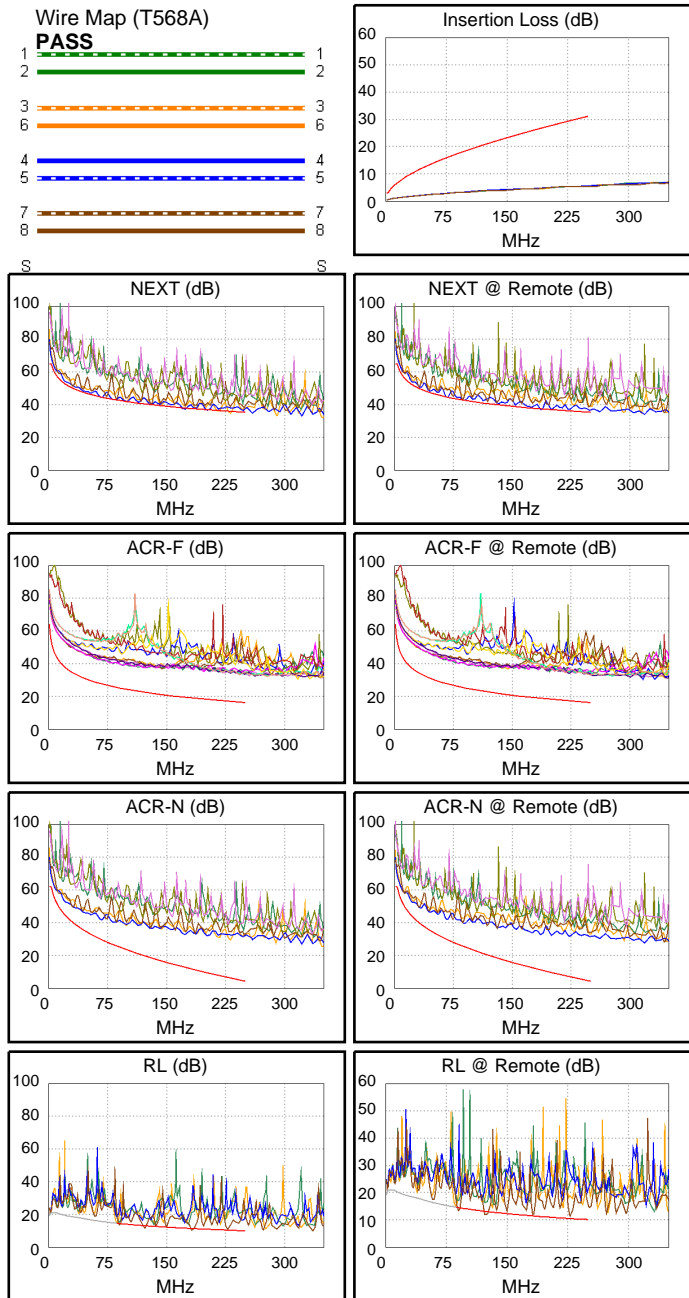
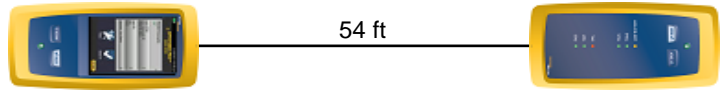
Date / Time: 10/10/2016 08:15:19 PM
Headroom -1.1 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 36]	54
Prop. Delay (ns), Limit 498	[Pair 45]	84
Delay Skew (ns), Limit 44	[Pair 45]	4
Resistance (ohms)	[Pair 45]	2.9
Insertion Loss Margin (dB)	[Pair 78]	23.7
Frequency (MHz)	[Pair 78]	227.0
Limit (dB)	[Pair 78]	29.4



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-36	12-78
NEXT (dB)	-1.1 F	-0.4 F	-1.1	1.1
Freq. (MHz)	231.5	187.5	231.5	249.5
Limit (dB)	35.9	37.4	35.9	35.4
Worst Pair	12	12	12	12
PS NEXT (dB)	-0.6 F	0.5	-0.3	1.3
Freq. (MHz)	98.3	87.5	232.0	250.0
Limit (dB)	39.4	40.3	33.2	32.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-45	78-45
ACR-F (dB)	14.1	14.1	16.7	16.9
Freq. (MHz)	81.8	94.8	243.5	250.0
Limit (dB)	25.9	24.7	16.5	16.2
Worst Pair	12	12	78	45
PS ACR-F (dB)	14.1	14.1	17.3	17.2
Freq. (MHz)	36.0	1.0	250.0	244.5
Limit (dB)	30.1	61.2	13.2	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-36	12-78
ACR-N (dB)	6.4	6.9	23.5	27.1
Freq. (MHz)	4.1	4.1	231.5	249.5
Limit (dB)	60.3	60.3	6.1	4.3
Worst Pair	12	12	12	12
PS ACR-N (dB)	6.3	6.5	25.9	27.3
Freq. (MHz)	7.6	10.4	247.5	250.0
Limit (dB)	52.5	49.6	1.9	1.6
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-1.5 F	-1.9 F	-1.2	-1.9
Freq. (MHz)	123.0	124.0	183.0	124.0
Limit (dB)	13.1	13.1	11.4	13.1



Cable ID: REABILITACAO18

Date / Time: 10/10/2016 08:35:55 PM

Headroom 1.1 dB (NEXT 12-78)

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: PASS

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

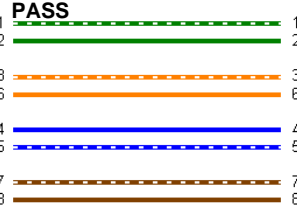
Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 12]	17
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	0.8
Insertion Loss Margin (dB)	[Pair 36]	29.6
Frequency (MHz)	[Pair 36]	248.0
Limit (dB)	[Pair 36]	31.0



11 ft

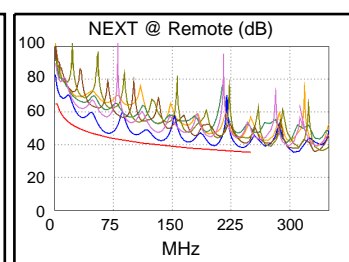
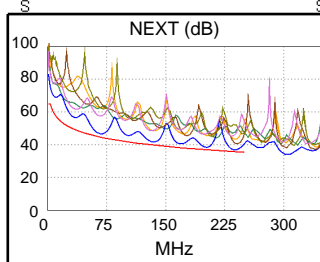


Wire Map (T568A)

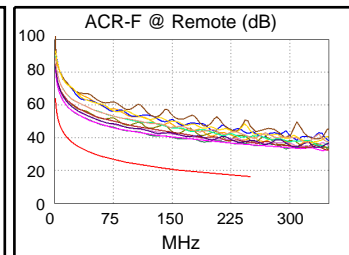
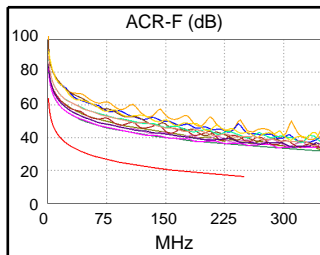


Worst Case Margin Worst Case Value

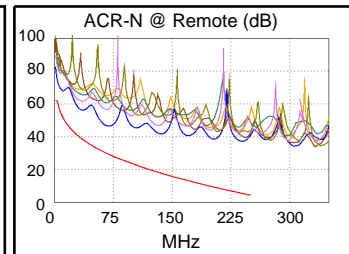
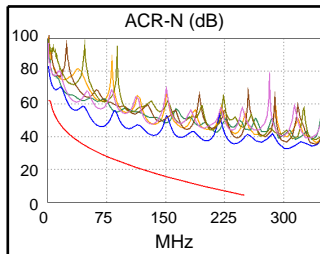
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
NEXT (dB)	1.1	2.4	1.2	2.6
Freq. (MHz)	239.0	68.0	239.5	239.0
Limit (dB)	35.7	44.6	35.6	35.7
Worst Pair	12	78	12	78
PS NEXT (dB)	2.5	3.6	2.6	3.6
Freq. (MHz)	237.5	237.0	239.0	237.0
Limit (dB)	33.1	33.1	33.0	33.1



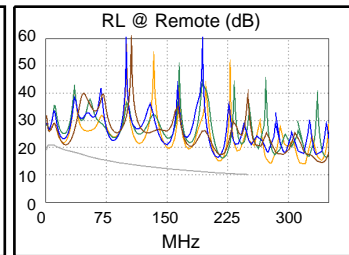
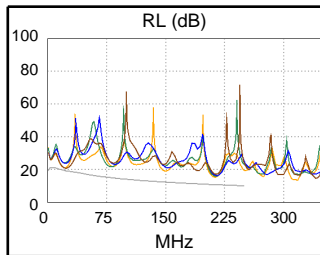
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-12
ACR-F (dB)	18.8	18.8	18.8	18.9
Freq. (MHz)	250.0	191.0	250.0	250.0
Limit (dB)	16.2	18.6	16.2	16.2
Worst Pair	45	45	45	36
PS ACR-F (dB)	18.6	18.8	19.1	19.5
Freq. (MHz)	1.0	1.0	250.0	242.5
Limit (dB)	61.2	61.2	13.2	13.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-N (dB)	13.3	12.7	30.2	31.7
Freq. (MHz)	4.0	4.0	239.0	239.0
Limit (dB)	60.6	60.6	5.4	5.4
Worst Pair	78	78	12	78
PS ACR-N (dB)	14.7	14.3	31.7	32.6
Freq. (MHz)	4.0	4.0	239.0	237.0
Limit (dB)	58.3	58.3	2.7	2.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	12
RL (dB)	1.6	1.9	4.5	4.2
Freq. (MHz)	23.4	24.5	213.5	215.5
Limit (dB)	19.2	19.1	10.7	10.7



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: REABILITACAO19

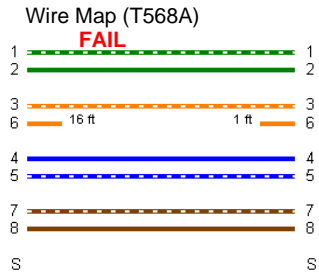
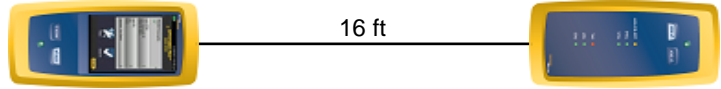
Date / Time: 10/10/2016 08:36:59 PM
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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)	[Pair 36]	16
Prop. Delay (ns)	[Pair 12]	24
Delay Skew (ns)	[Pair 12]	1
Resistance (ohms)	[Pair 36]	Open





Cable ID: REABILITACAO20

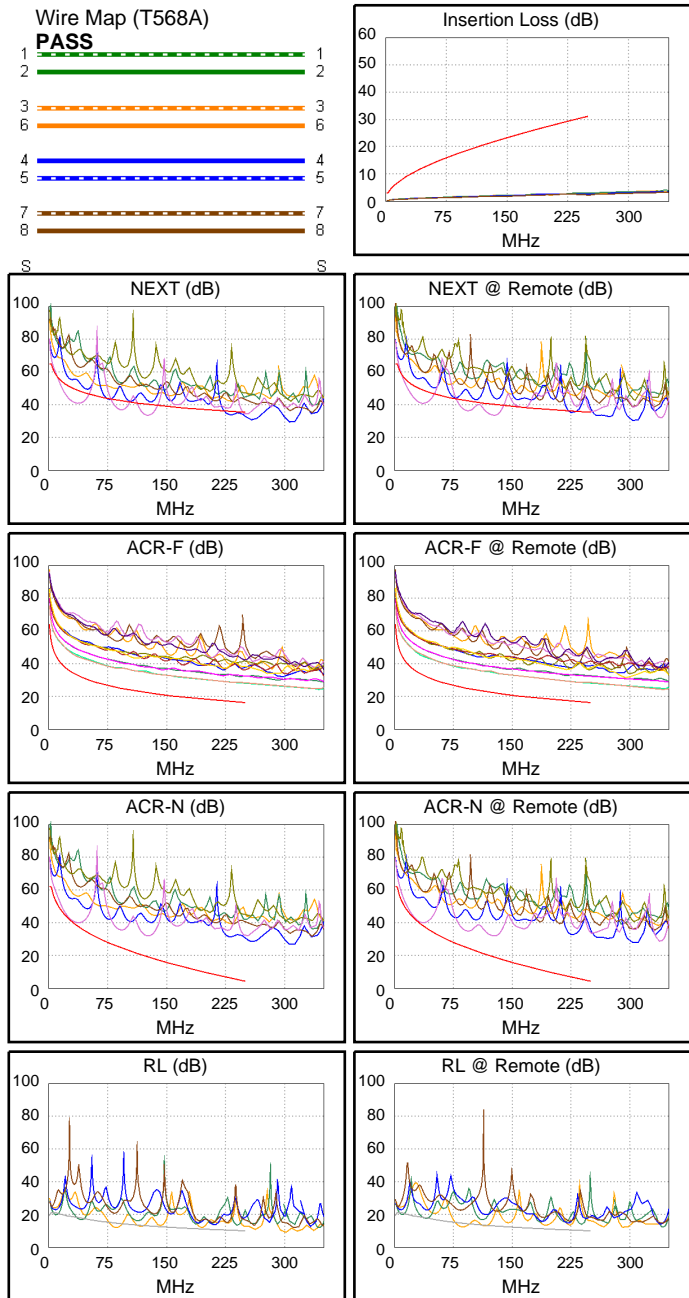
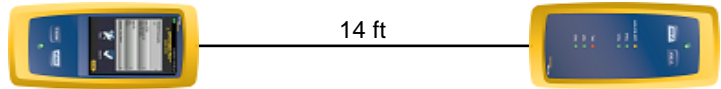
Date / Time: 10/10/2016 08:38:01 PM
Headroom -8.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 12]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 36]	27.4
Frequency (MHz)	[Pair 36]	241.5
Limit (dB)	[Pair 36]	30.5



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
NEXT (dB)	-8.3F	-8.5F	-2.4	-6.6
Freq. (MHz)	32.8	33.0	250.0	127.5
Limit (dB)	49.7	49.6	35.3	40.1
Worst Pair	78	78	78	78
PS NEXT (dB)	-6.0F	-6.3F	-2.3	-4.5
Freq. (MHz)	34.0	31.1	250.0	127.5
Limit (dB)	47.0	47.6	32.7	37.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	11.4	11.4	11.6	11.5
Freq. (MHz)	4.8	34.0	250.0	240.0
Limit (dB)	50.7	33.6	16.2	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	12.4	12.5	13.2	13.2
Freq. (MHz)	1.3	2.6	250.0	247.0
Limit (dB)	59.3	52.8	13.2	13.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
ACR-N (dB)	0.7	0.5	26.5	13.2
Freq. (MHz)	27.0	28.9	250.0	129.0
Limit (dB)	41.8	41.0	4.2	18.7
Worst Pair	78	78	78	78
PS ACR-N (dB)	3.0	2.7	26.6	27.7
Freq. (MHz)	28.8	28.1	250.0	229.0
Limit (dB)	38.6	38.9	1.6	3.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	12
RL (dB)	3.2	3.7	0.9	-2.1
Freq. (MHz)	240.5	239.0	195.5	88.5
Limit (dB)	10.2	10.2	11.1	14.5



Cable ID: REABILITACAO21

Date / Time: 10/10/2016 08:38:43 PM

Headroom 3.1 dB (NEXT 12-36)

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

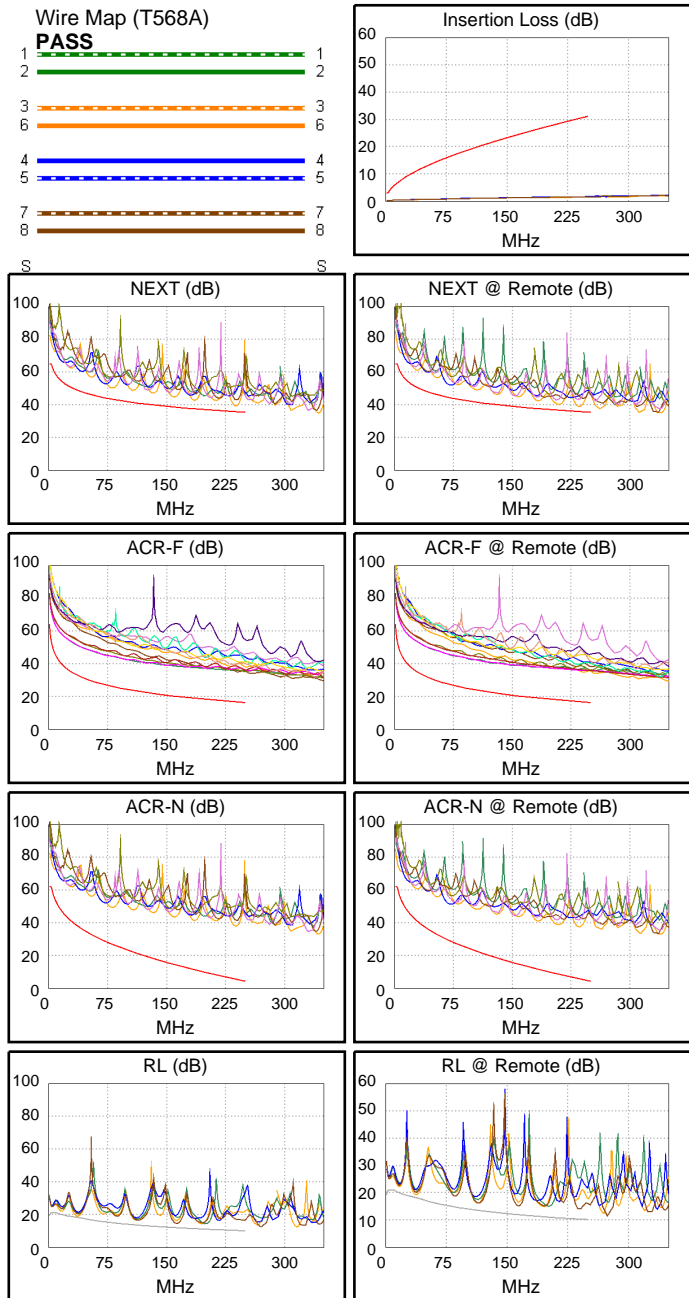
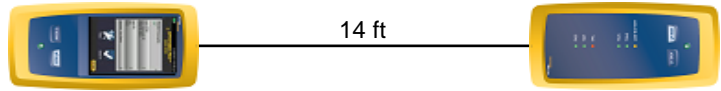
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	14
Prop. Delay (ns), Limit 498	[Pair 45]	22
Delay Skew (ns), Limit 44	[Pair 45]	1
Resistance (ohms)	[Pair 36]	1.2
Insertion Loss Margin (dB)	[Pair 36]	25.9
Frequency (MHz)	[Pair 36]	203.5
Limit (dB)	[Pair 36]	27.6



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.6	3.1	3.6	3.2
Freq. (MHz)	239.0	235.5	239.0	236.5
Limit (dB)	35.7	35.8	35.7	35.7

Worst Pair	36	12	36	12
PS NEXT (dB)	4.4	4.3	4.5	4.3
Freq. (MHz)	238.0	235.0	239.0	235.0
Limit (dB)	33.1	33.2	33.0	33.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-12	12-36
ACR-F (dB)	18.0	17.9	18.4	18.3
Freq. (MHz)	114.0	122.0	241.0	242.5
Limit (dB)	23.1	22.5	16.5	16.5
Worst Pair	45	45	45	36
PS ACR-F (dB)	18.2	18.1	18.4	19.0
Freq. (MHz)	1.3	1.0	250.0	250.0
Limit (dB)	59.3	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	15.7	14.7	32.4	31.8
Freq. (MHz)	4.1	3.5	239.0	236.5
Limit (dB)	60.3	61.7	5.4	5.6
Worst Pair	12	12	36	12
PS ACR-N (dB)	16.6	16.2	33.3	33.0
Freq. (MHz)	4.1	4.5	239.0	235.0
Limit (dB)	58.0	57.3	2.7	3.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	0.7	1.0	3.1	3.6
Freq. (MHz)	36.8	37.0	195.5	240.0
Limit (dB)	18.2	18.2	11.1	10.2

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: REABILITACAO22

Date / Time: 10/10/2016 08:40:15 PM

Headroom -16.6 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

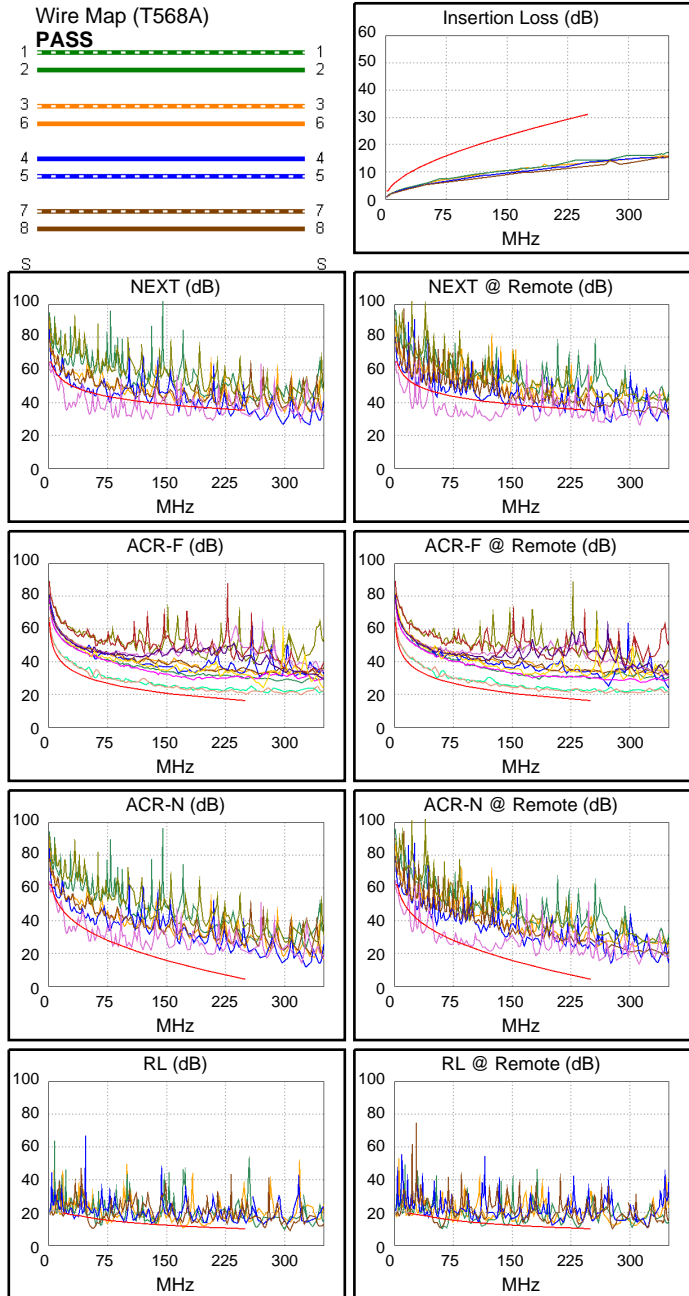
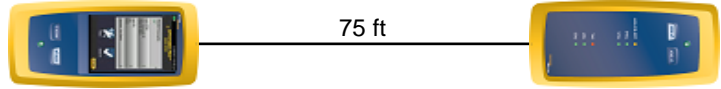
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	75
Prop. Delay (ns), Limit 498	[Pair 36]	113
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	9.9
Insertion Loss Margin (dB)	[Pair 36]	15.7
Frequency (MHz)	[Pair 36]	234.5
Limit (dB)	[Pair 36]	30.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.6 F	-15.8 F	-7.7	-9.0
Freq. (MHz)	22.8	22.5	209.5	180.5
Limit (dB)	52.2	52.3	36.6	37.7
Worst Pair	78	45	45	78
PS NEXT (dB)	-14.3 F	-13.4 F	-5.4	-6.9
Freq. (MHz)	22.8	22.4	210.0	180.5
Limit (dB)	49.8	49.9	34.0	35.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	1.0	0.6	4.1	4.5
Freq. (MHz)	54.0	53.8	250.0	250.0
Limit (dB)	29.5	29.6	16.2	16.2
Worst Pair	45	78	45	45
PS ACR-F (dB)	3.8	3.3	6.6	7.0
Freq. (MHz)	54.0	53.8	250.0	250.0
Limit (dB)	26.5	26.6	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-11.4	-10.6	9.8	12.8
Freq. (MHz)	22.9	22.6	209.5	235.0
Limit (dB)	43.7	43.8	8.5	5.8
Worst Pair	45	45	45	45
PS ACR-N (dB)	-9.2	-8.5	11.5	14.8
Freq. (MHz)	22.9	22.4	210.0	240.5
Limit (dB)	41.3	41.5	5.8	2.6

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	36
RL (dB)	-6.3 F	-6.2 F	-6.2	-6.2
Freq. (MHz)	56.8	60.8	57.0	60.8
Limit (dB)	16.5	16.2	16.4	16.2



Cable ID: REABILITACAO23

Date / Time: 10/10/2016 08:41:48 PM

Headroom -6.1 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

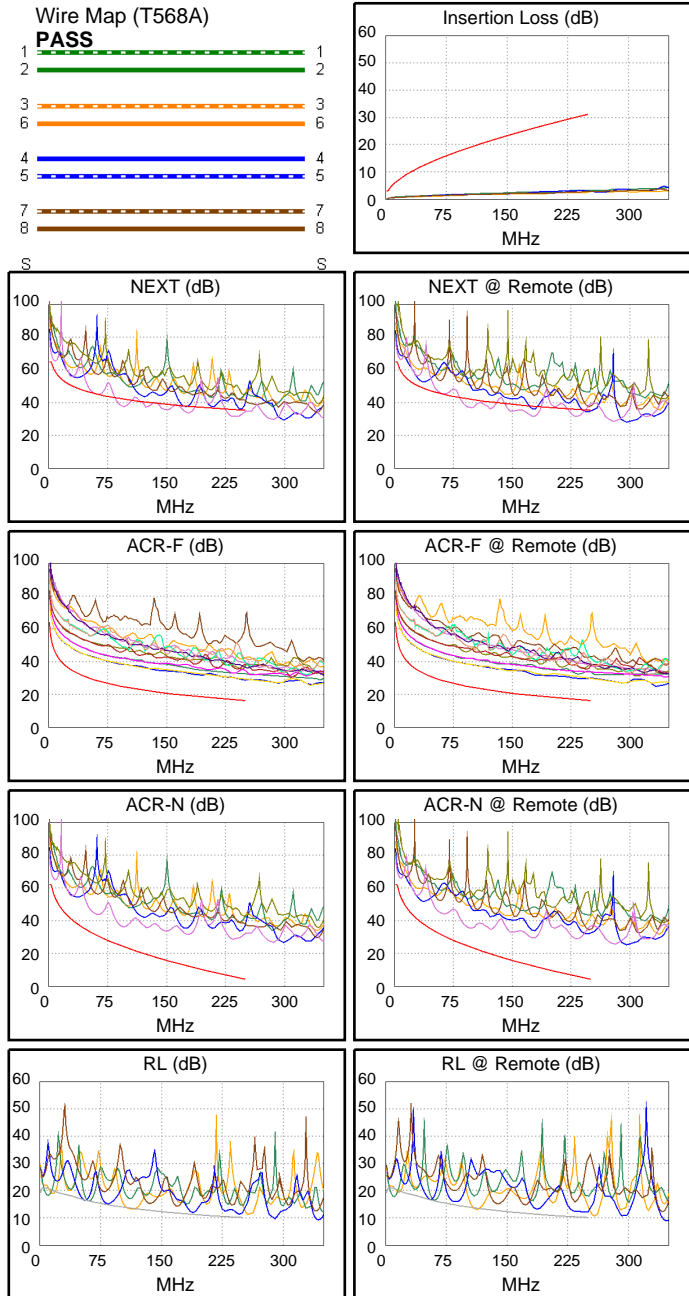
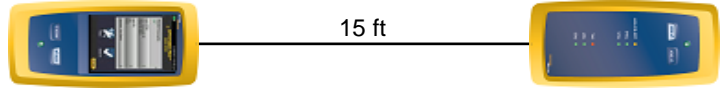
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	15
Prop. Delay (ns), Limit 498	[Pair 36]	23
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	246.5
Limit (dB)	[Pair 36]	30.8



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-4.6 F	-6.1 F	-4.3	-4.2
Freq. (MHz)	95.5	178.0	236.5	232.0
Limit (dB)	42.2	37.8	35.7	35.9
Worst Pair	78	78	78	78
PS NEXT (dB)	-2.9 F	-4.8 F	-2.5	-4.7
Freq. (MHz)	175.5	178.0	243.0	178.5
Limit (dB)	35.3	35.2	32.9	35.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	12.6	12.5	12.6	12.5
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	12	12	78	12
PS ACR-F (dB)	14.2	13.9	14.9	13.9
Freq. (MHz)	1.0	250.0	250.0	250.0
Limit (dB)	61.2	13.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	7.8	8.4	23.0	22.9
Freq. (MHz)	4.0	3.8	236.5	232.0
Limit (dB)	60.6	61.1	5.6	6.1
Worst Pair	78	78	78	78
PS ACR-N (dB)	8.9	9.0	25.5	25.3
Freq. (MHz)	4.0	4.1	242.5	237.0
Limit (dB)	58.3	58.0	2.4	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	1.2	1.8	1.2	1.9
Freq. (MHz)	247.0	248.0	247.0	249.0
Limit (dB)	10.1	10.1	10.1	10.0



Cable ID: REABILITACAO24

Date / Time: 10/10/2016 08:42:47 PM

Headroom -6.1 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

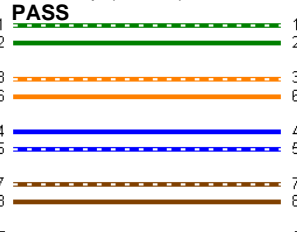
Length (ft), Limit 295	[Pair 45]	15
Prop. Delay (ns), Limit 498	[Pair 36]	23
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 45]	27.8
Frequency (MHz)	[Pair 45]	249.0
Limit (dB)	[Pair 45]	31.0



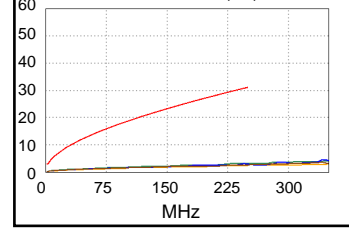
15 ft



Wire Map (T568A)

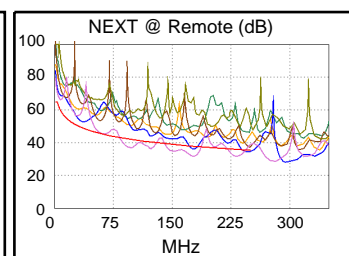
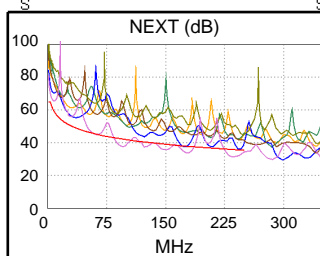


Insertion Loss (dB)

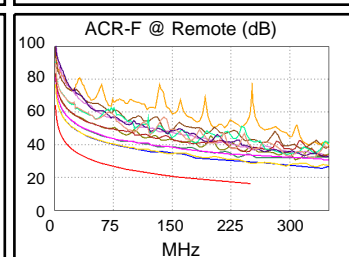
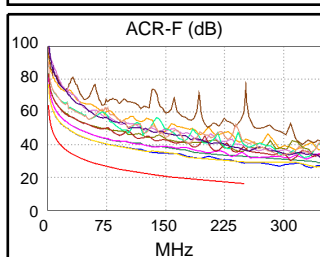


Worst Case Margin Worst Case Value

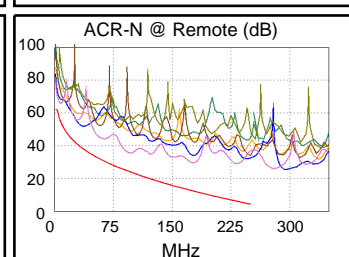
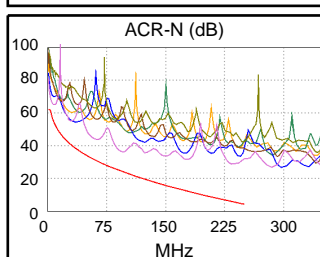
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-4.6 F	-6.1 F	-4.3	-4.2
Freq. (MHz)	95.5	178.0	236.5	232.5
Limit (dB)	42.2	37.8	35.7	35.9
Worst Pair	78	78	78	78
PS NEXT (dB)	-2.9 F	-4.8 F	-2.6	-4.7
Freq. (MHz)	177.5	178.0	242.5	178.5
Limit (dB)	35.2	35.2	32.9	35.1



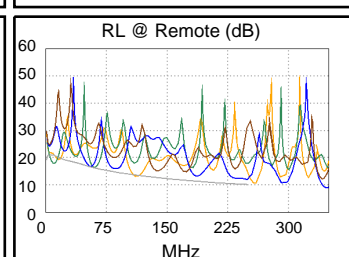
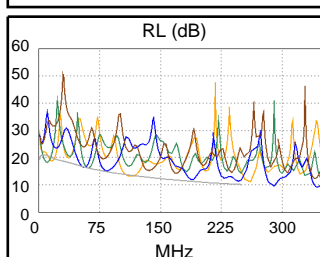
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	12.6	12.5	12.6	12.5
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	12	12	78	12
PS ACR-F (dB)	14.4	13.9	14.9	13.9
Freq. (MHz)	1.6	250.0	250.0	250.0
Limit (dB)	57.0	13.2	13.2	13.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	7.9	8.5	23.1	23.0
Freq. (MHz)	4.1	4.0	236.5	232.5
Limit (dB)	60.3	60.6	5.6	6.0
Worst Pair	78	78	78	78
PS ACR-N (dB)	9.1	9.0	25.5	18.7
Freq. (MHz)	4.5	4.0	242.5	178.5
Limit (dB)	57.3	58.3	2.4	9.5



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	1.2	1.8	1.2	1.9
Freq. (MHz)	247.5	248.0	247.5	249.0
Limit (dB)	10.1	10.1	10.1	10.0





Cable ID: REABILITACAO25

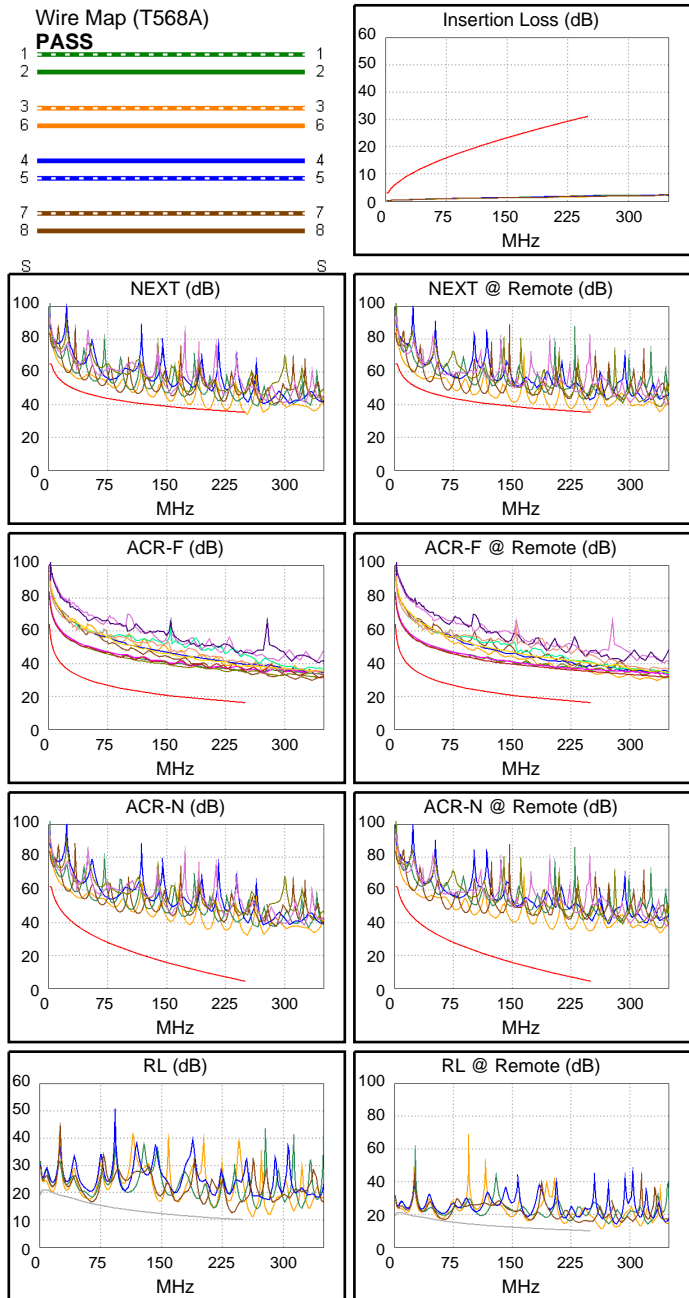
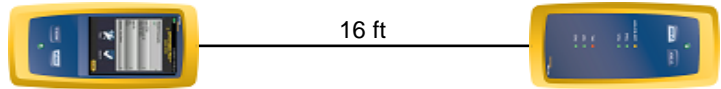
Date / Time: 10/10/2016 08:43:28 PM
Headroom -0.5 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 36]	16
Prop. Delay (ns), Limit 498	[Pair 45]	24
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.0
Insertion Loss Margin (dB)	[Pair 78]	28.1
Frequency (MHz)	[Pair 78]	235.5
Limit (dB)	[Pair 78]	30.0



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	-0.5 F	0.3*	-0.5	1.3
Freq. (MHz)	250.0	201.5	250.0	248.5
Limit (dB)	35.3	36.9	35.3	35.4
Worst Pair	12	36	12	12
PS NEXT (dB)	1.2	2.3	1.2	2.9
Freq. (MHz)	250.0	201.5	250.0	249.5
Limit (dB)	32.7	34.3	32.7	32.7

	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	18.0	17.9	18.2	18.3
Freq. (MHz)	227.0	224.5	250.0	250.0
Limit (dB)	17.1	17.2	16.2	16.2
Worst Pair	45	45	45	36
PS ACR-F (dB)	17.9	17.8	18.3	18.5
Freq. (MHz)	1.0	1.1	250.0	250.0
Limit (dB)	61.2	60.2	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	36-45	12-36	12-36	12-36
ACR-N (dB)	15.2	15.1	28.9	30.6
Freq. (MHz)	3.4	12.8	250.0	248.5
Limit (dB)	61.8	49.9	4.2	4.4
Worst Pair	36	36	12	36
PS ACR-N (dB)	15.7	15.8	30.8	32.2
Freq. (MHz)	4.1	21.3	250.0	248.0
Limit (dB)	58.0	42.1	1.6	1.8

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	12	78	78	12
RL (dB)	0.2	0.9	2.3	3.9
Freq. (MHz)	14.8	62.3	237.5	217.5
Limit (dB)	20.2	16.1	10.2	10.6

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO26

Date / Time: 10/10/2016 08:44:11 PM

Headroom 4.9 dB (NEXT 12-36)

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

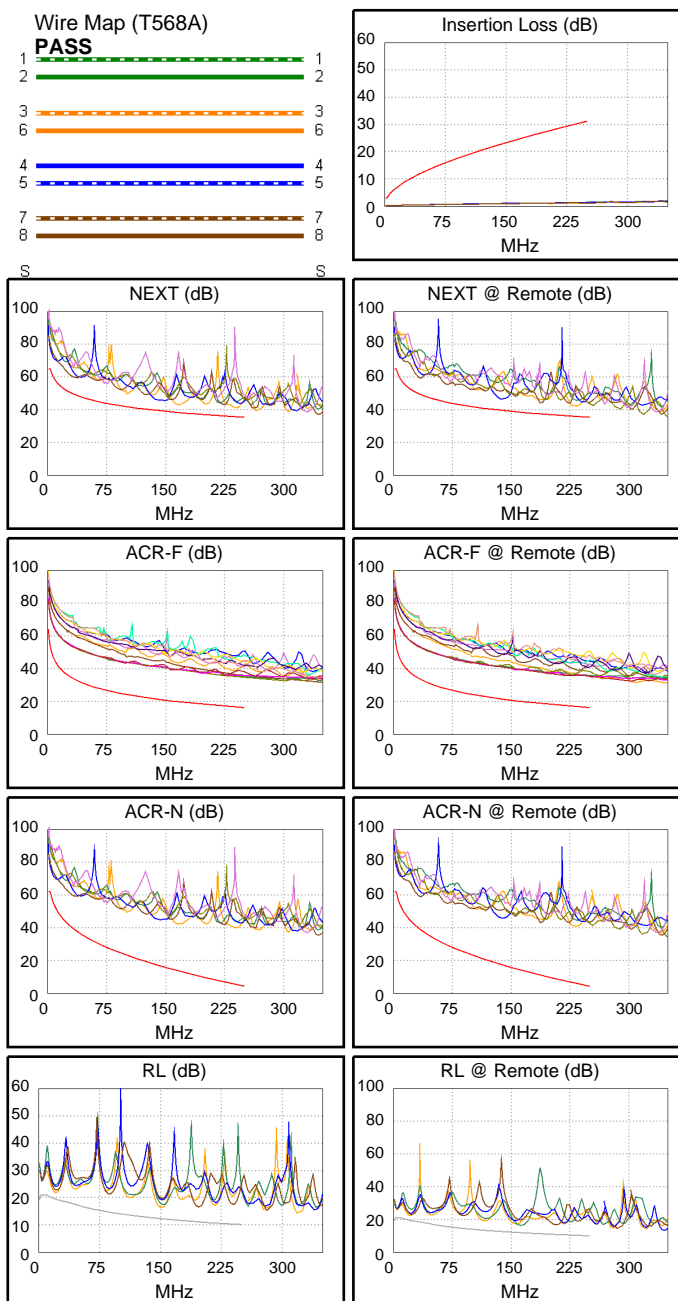
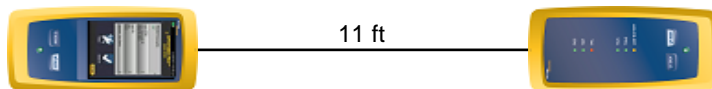
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 12]	17
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	0.8
Insertion Loss Margin (dB)	[Pair 36]	29.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.9	6.4	5.6	6.5
Freq. (MHz)	167.0	232.5	242.0	234.0
Limit (dB)	38.2	35.9	35.6	35.8
Worst Pair	12	36	12	12
PS NEXT (dB)	5.4	6.4	5.4	6.6
Freq. (MHz)	242.5	190.0	242.5	235.5
Limit (dB)	32.9	34.7	32.9	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	17.4	17.4	17.6	17.4
Freq. (MHz)	227.0	228.5	230.5	228.5
Limit (dB)	17.1	17.0	16.9	17.0
Worst Pair	45	45	45	36
PS ACR-F (dB)	17.6	18.0	17.7	18.4
Freq. (MHz)	227.0	1.0	227.5	250.0
Limit (dB)	14.1	61.2	14.0	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-36	12-36
ACR-N (dB)	15.3	15.9	34.9	35.1
Freq. (MHz)	3.4	3.5	242.0	234.0
Limit (dB)	61.8	61.7	5.0	5.9
Worst Pair	12	78	12	12
PS ACR-N (dB)	17.1	17.6	34.9	35.5
Freq. (MHz)	4.3	4.5	242.5	235.5
Limit (dB)	57.8	57.3	2.4	3.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	36
RL (dB)	2.3	3.0	4.0	4.4
Freq. (MHz)	21.0	21.4	152.0	163.0
Limit (dB)	19.4	19.4	12.2	11.9

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: REABILITACAO27

Date / Time: 10/10/2016 08:44:38 PM

Headroom 0.8 dB (NEXT 12-78)

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: PASS

Model: DSX-5000

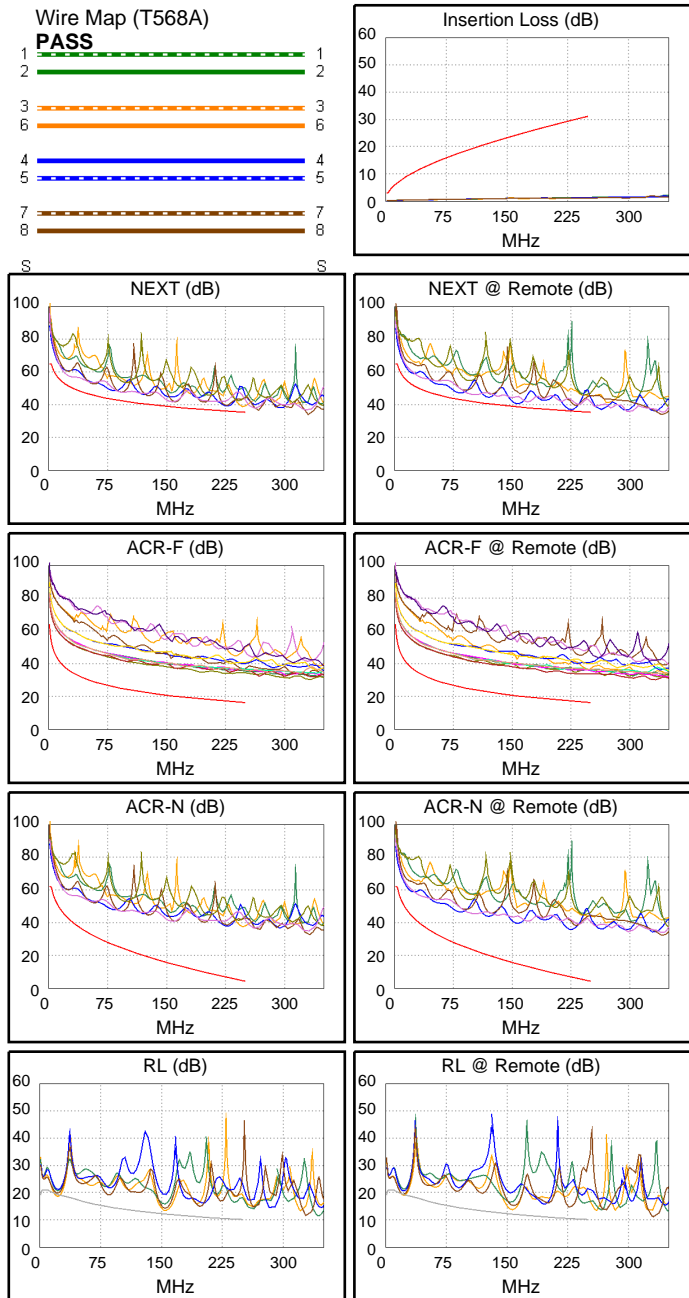
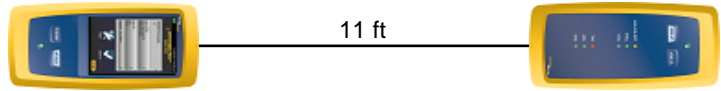
Main S/N: 2420012

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 12]	16
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.8
Insertion Loss Margin (dB)	[Pair 36]	28.9
Frequency (MHz)	[Pair 36]	239.5
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-36	12-78
NEXT (dB)	2.9	0.8*	3.4	0.8
Freq. (MHz)	226.0	225.5	248.0	225.5
Limit (dB)	36.1	36.1	35.4	36.1
Worst Pair	45	78	36	78
PS NEXT (dB)	2.4	2.4	3.7	2.4
Freq. (MHz)	159.0	227.5	245.5	227.5
Limit (dB)	36.0	33.4	32.8	33.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	16.3	16.4	17.2	17.2
Freq. (MHz)	193.5	193.5	234.5	234.5
Limit (dB)	18.5	18.5	16.8	16.8
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.8	15.8	17.3	17.2
Freq. (MHz)	1.3	1.3	250.0	234.5
Limit (dB)	59.3	59.3	13.2	13.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-78	12-36	12-78
ACR-N (dB)	14.2	14.0	33.1	28.9
Freq. (MHz)	21.1	17.3	248.0	225.5
Limit (dB)	44.6	46.8	4.4	6.8
Worst Pair	78	78	36	78
PS ACR-N (dB)	14.0	14.0	33.1	30.8
Freq. (MHz)	18.3	13.6	245.5	227.5
Limit (dB)	43.8	46.9	2.1	3.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-0.7	-0.3	1.3	1.7
Freq. (MHz)	22.4	22.4	155.5	157.5
Limit (dB)	19.3	19.3	12.1	12.0

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

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO28

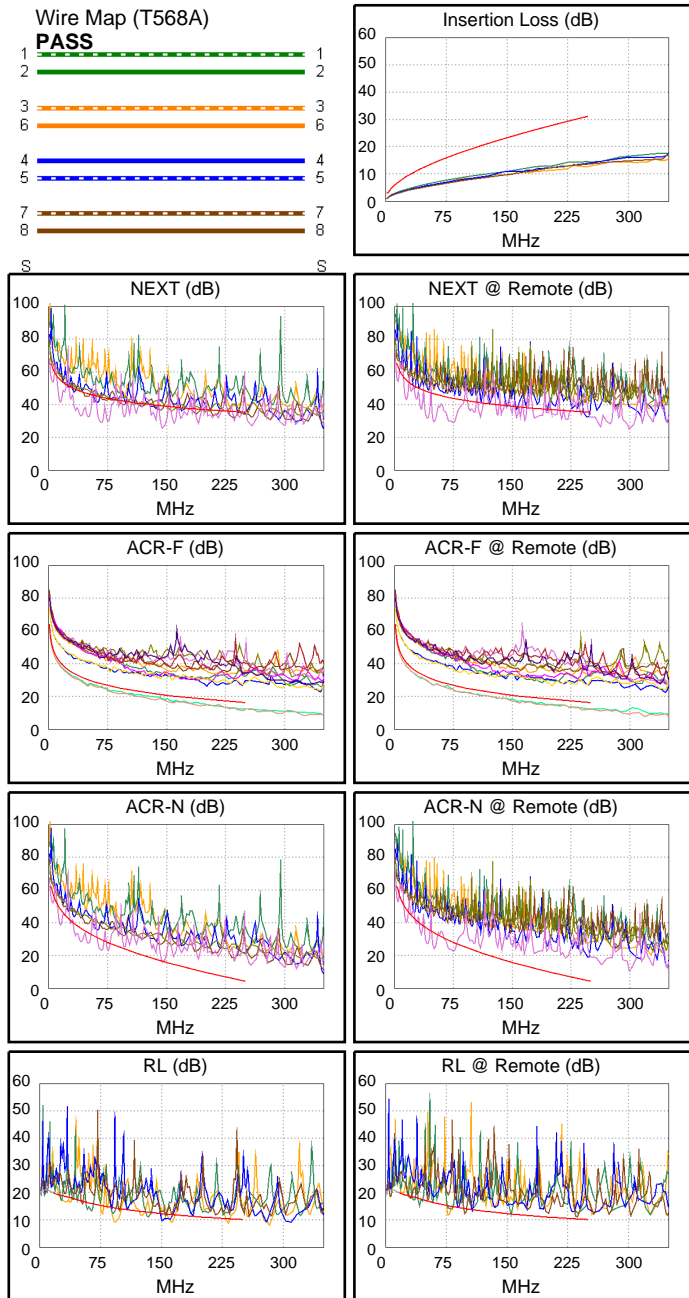
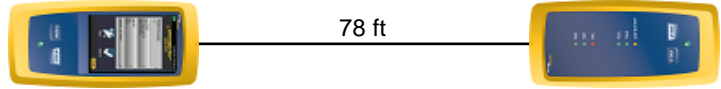
Date / Time: 10/10/2016 08:46:06 PM
Headroom -17.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	78
Prop. Delay (ns), Limit 498	[Pair 36]	117
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	10.2
Insertion Loss Margin (dB)	[Pair 36]	15.2
Frequency (MHz)	[Pair 36]	235.5
Limit (dB)	[Pair 36]	30.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-15.5 F	-17.1 F	-13.7	-14.7
Freq. (MHz)	67.0	50.3	145.5	75.8
Limit (dB)	44.7	46.7	39.2	43.8
Worst Pair	78	45	45	78
PS NEXT (dB)	-13.2 F	-14.6 F	-11.4	-12.3
Freq. (MHz)	67.0	50.5	145.0	75.8
Limit (dB)	42.2	44.2	36.6	41.3
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-5.1 F	-5.0 F	-5.1	-5.0
Freq. (MHz)	247.5	239.5	247.5	239.5
Limit (dB)	16.3	16.6	16.3	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	-2.1 F	-2.1 F	-2.1	-2.1
Freq. (MHz)	247.5	239.5	247.5	239.5
Limit (dB)	13.3	13.6	13.3	13.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.6	-9.6	-0.7	9.8
Freq. (MHz)	14.9	50.3	145.5	219.5
Limit (dB)	48.3	33.9	16.3	7.4
Worst Pair	45	45	45	78
PS ACR-N (dB)	-7.6	-7.4	11.4	14.6
Freq. (MHz)	14.6	50.8	236.5	248.5
Limit (dB)	46.1	31.3	3.0	1.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-5.3 F	-3.6 F	-1.7	0.4
Freq. (MHz)	93.0	78.0	233.0	236.0
Limit (dB)	14.3	15.1	10.3	10.3



Cable ID: REABILITACAO29

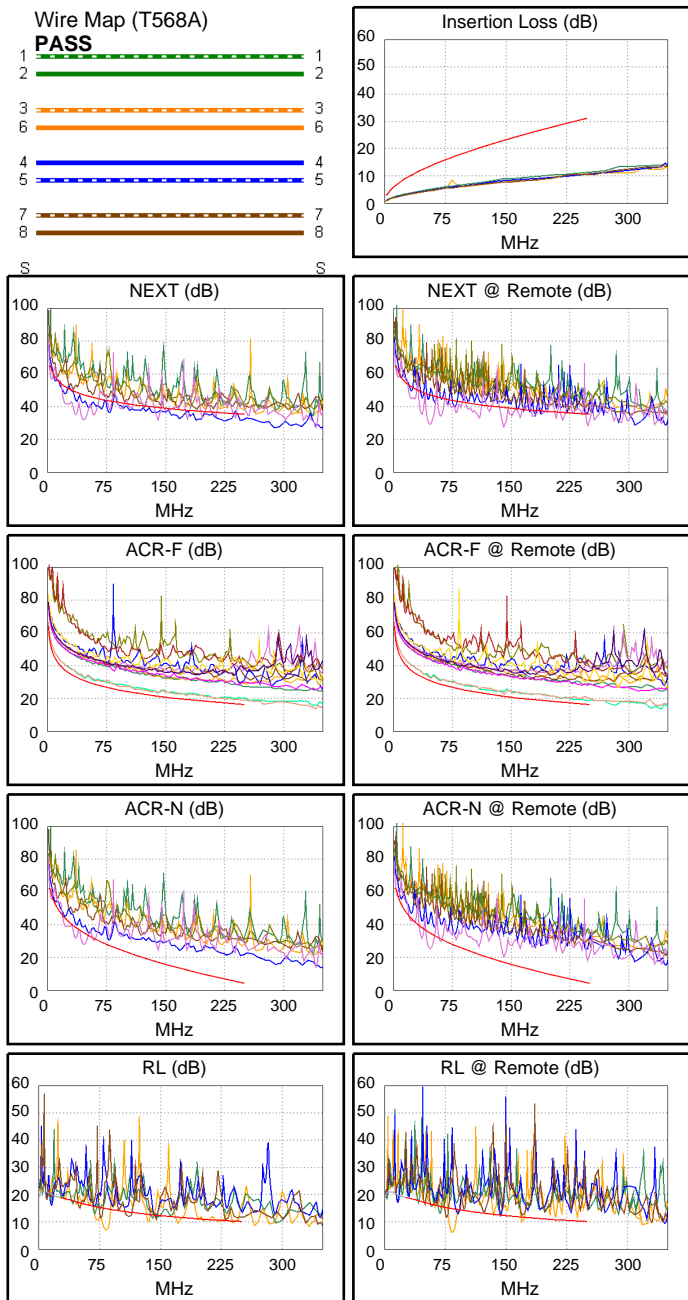
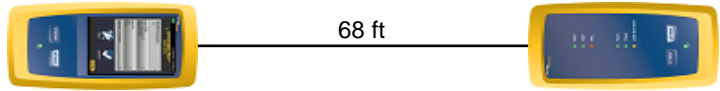
Date / Time: 10/10/2016 08:46:39 PM
Headroom -18.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	68
Prop. Delay (ns), Limit 498	[Pair 36]	102
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 78]	7.8
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
NEXT (dB)	-15.4 F	-18.0 F	-4.6	-11.9
Freq. (MHz)	46.0	46.5	228.0	141.5
Limit (dB)	47.3	47.2	36.0	39.4
Worst Pair	78	78	12	78
PS NEXT (dB)	-13.3 F	-15.7 F	-3.2	-9.5
Freq. (MHz)	45.8	46.3	223.5	141.0
Limit (dB)	44.9	44.8	33.5	36.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	1.6	1.4	2.5	2.1
Freq. (MHz)	46.3	141.5	248.0	247.0
Limit (dB)	30.9	21.2	16.3	16.3
Worst Pair	78	45	45	78
PS ACR-F (dB)	4.3	4.1	4.9	5.1
Freq. (MHz)	46.3	141.5	248.0	247.0
Limit (dB)	27.9	18.2	13.3	13.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
ACR-N (dB)	-7.2	-9.8	16.3	13.3
Freq. (MHz)	46.0	46.3	246.5	248.5
Limit (dB)	35.1	35.0	4.6	4.4
Worst Pair	78	45	78	78
PS ACR-N (dB)	-5.1	-7.5	18.2	15.4
Freq. (MHz)	45.8	45.8	246.5	248.5
Limit (dB)	32.7	32.7	2.0	1.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-7.8 F	-8.7 F	-7.8	-8.7
Freq. (MHz)	84.0	84.0	84.0	84.0
Limit (dB)	14.8	14.8	14.8	14.8



Cable ID: REABILITACAO30

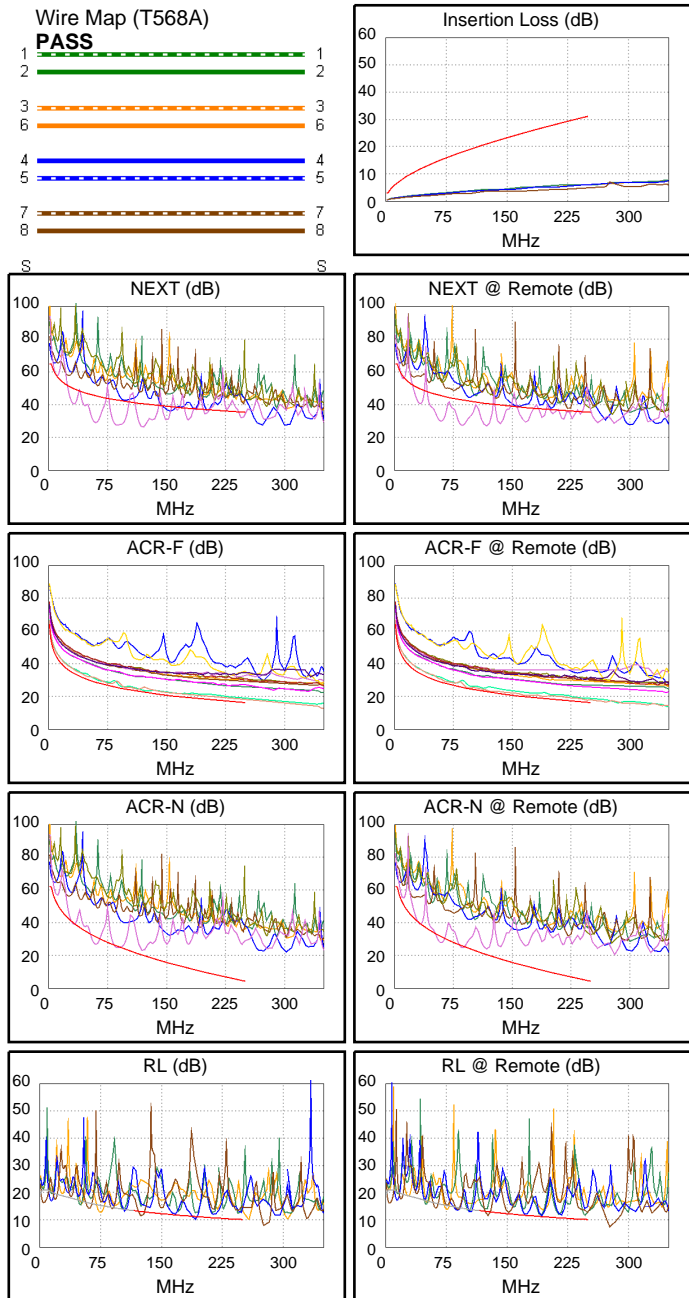
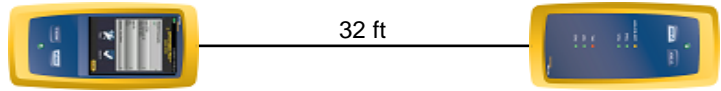
Date / Time: 10/10/2016 08:48:00 PM
Headroom -16.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.3
Insertion Loss Margin (dB)	[Pair 36]	24.3
Frequency (MHz)	[Pair 36]	246.0
Limit (dB)	[Pair 36]	30.8



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.5 F	-15.6 F	-14.3	-13.7
Freq. (MHz)	59.8	58.8	120.5	117.5
Limit (dB)	45.5	45.6	40.5	40.7
Worst Pair	45	45	45	45
PS NEXT (dB)	-14.0 F	-13.1 F	-11.8	-11.1
Freq. (MHz)	59.8	59.0	120.5	117.5
Limit (dB)	43.0	43.1	38.0	38.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	0.9	0.4*	1.8	1.3
Freq. (MHz)	125.0	94.8	250.0	246.0
Limit (dB)	22.3	24.7	16.2	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	3.2	2.7	4.0	3.6
Freq. (MHz)	99.3	94.8	250.0	246.0
Limit (dB)	21.3	21.7	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.7	-3.9	3.0	3.7
Freq. (MHz)	59.0	58.8	120.5	118.0
Limit (dB)	31.6	31.7	19.9	20.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	-2.5	-1.8	5.1	5.5
Freq. (MHz)	59.0	58.0	120.5	117.5
Limit (dB)	29.1	29.4	17.4	17.9

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	-2.6 F	-1.6 F	-1.0	0.1
Freq. (MHz)	74.8	75.5	192.0	192.5
Limit (dB)	15.3	15.2	11.2	11.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO31

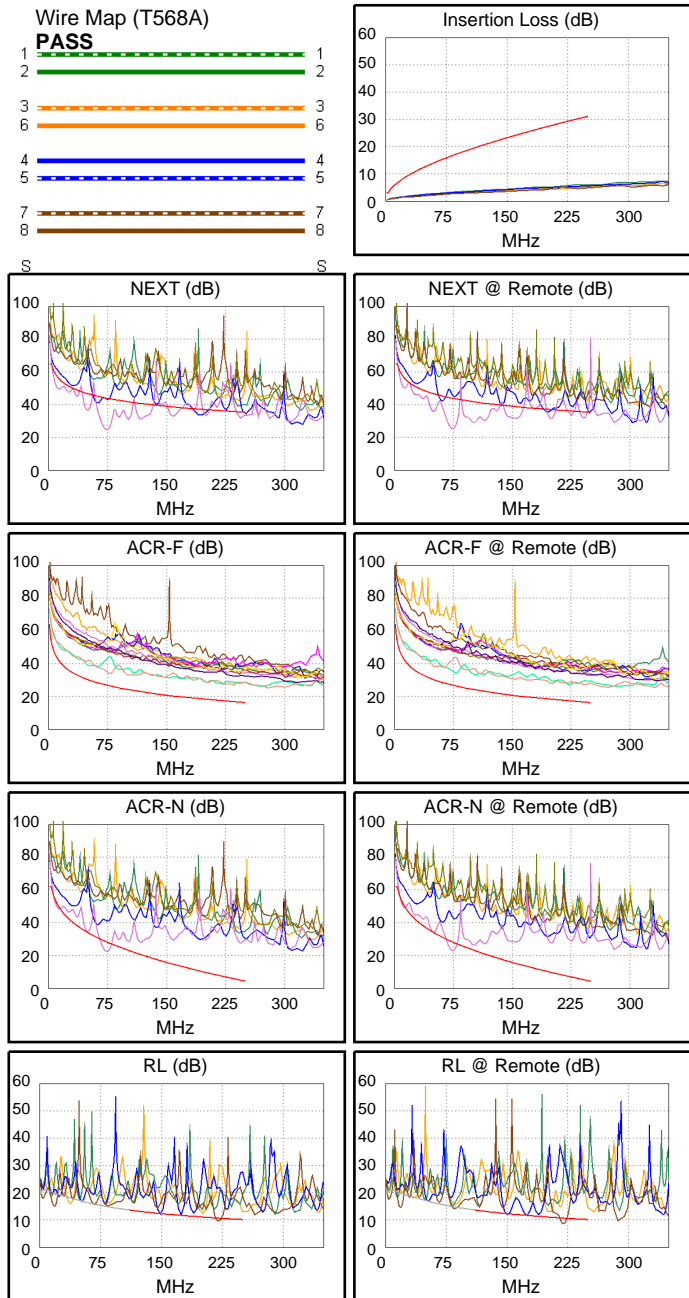
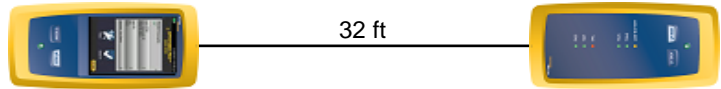
Date / Time: 10/10/2016 08:48:31 PM
Headroom -19.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.3
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	245.5
Limit (dB)	[Pair 36]	30.8



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-19.2F	-18.7F	-19.1	-18.7
Freq. (MHz)	74.0	74.0	74.5	74.0
Limit (dB)	44.0	44.0	43.9	44.0
Worst Pair	78	45	78	45
PS NEXT (dB)	-16.8F	-16.2F	-16.7	-16.2
Freq. (MHz)	74.0	74.0	74.5	74.0
Limit (dB)	41.5	41.5	41.4	41.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	7.7	8.1	10.4	9.8
Freq. (MHz)	77.8	77.8	236.0	223.5
Limit (dB)	26.4	26.4	16.7	17.2
Worst Pair	45	45	45	78
PS ACR-F (dB)	10.3	10.8	12.7	11.8
Freq. (MHz)	77.8	51.5	236.0	223.5
Limit (dB)	23.4	27.0	13.7	14.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-5.9	-5.4	-5.7	-5.3
Freq. (MHz)	73.8	73.3	74.5	74.0
Limit (dB)	28.3	28.4	28.1	28.2
Worst Pair	45	45	45	45
PS ACR-N (dB)	-3.8	-3.3	-3.6	-3.2
Freq. (MHz)	73.5	72.8	74.5	74.0
Limit (dB)	25.8	26.0	25.6	25.7

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-1.1F	-2.1F	-1.1	-2.1
Freq. (MHz)	220.5	220.5	220.5	220.5
Limit (dB)	10.6	10.6	10.6	10.6



Cable ID: REABILITACAO32

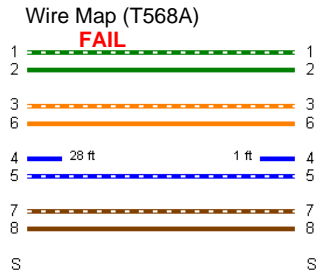
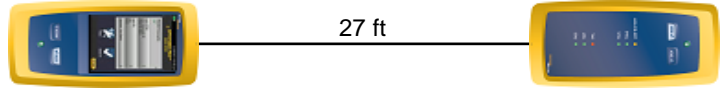
Date / Time: 10/10/2016 08:49:21 PM
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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)	[Pair 45]	27
Prop. Delay (ns)	[Pair 36]	41
Delay Skew (ns)	[Pair 12]	1
Resistance (ohms)	[Pair 45]	Open





Cable ID: REABILITACAO33

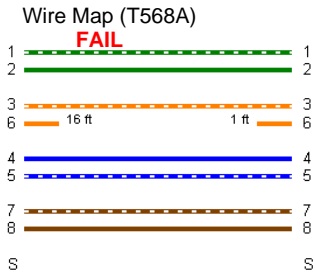
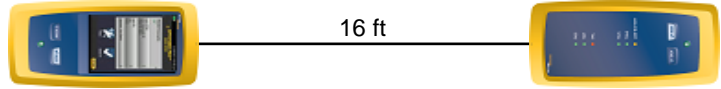
Date / Time: 10/10/2016 08:50:17 PM
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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)	[Pair 36]	16
Prop. Delay (ns)	[Pair 12]	24
Delay Skew (ns)	[Pair 12]	1
Resistance (ohms)	[Pair 36]	Open





Cable ID: REABILITACAO34

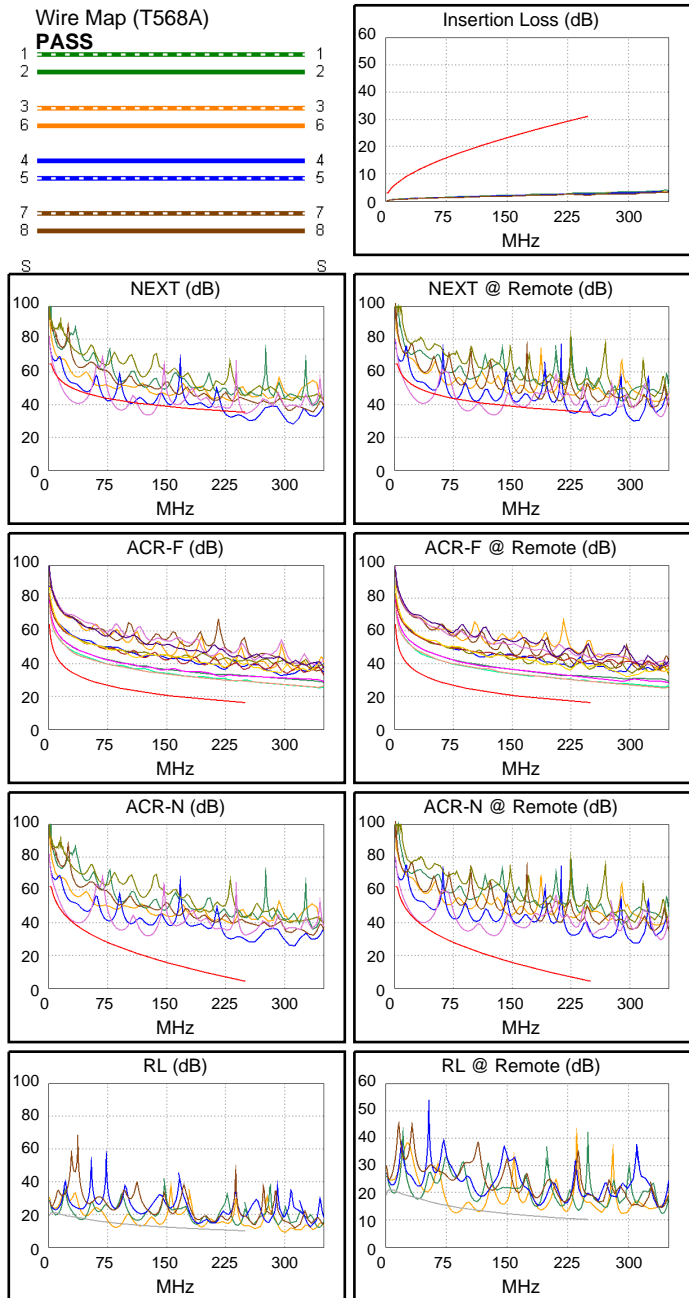
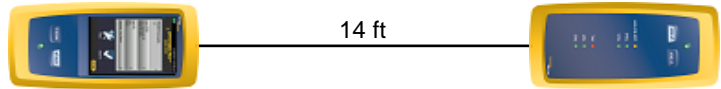
Date / Time: 10/10/2016 08:50:50 PM
Headroom -8.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 12]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 36]	27.4
Frequency (MHz)	[Pair 36]	241.5
Limit (dB)	[Pair 36]	30.5



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
NEXT (dB)	-8.3F	-8.5F	-3.4	-6.4
Freq. (MHz)	34.0	33.0	250.0	128.0
Limit (dB)	49.4	49.6	35.3	40.1
Worst Pair	78	78	78	78
PS NEXT (dB)	-6.2F	-6.3F	-2.8	0.4
Freq. (MHz)	34.0	33.0	250.0	250.0
Limit (dB)	47.0	47.2	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	12.4	12.4	12.5	13.0
Freq. (MHz)	36.8	33.3	250.0	250.0
Limit (dB)	32.9	33.8	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.2	13.2	13.8	13.9
Freq. (MHz)	2.4	2.8	250.0	250.0
Limit (dB)	53.7	52.4	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
ACR-N (dB)	0.7	0.5	25.6	13.3
Freq. (MHz)	28.1	28.9	250.0	128.0
Limit (dB)	41.3	41.0	4.2	18.8
Worst Pair	78	78	78	78
PS ACR-N (dB)	2.8	2.6	26.2	29.4
Freq. (MHz)	28.1	28.1	250.0	250.0
Limit (dB)	38.9	38.9	1.6	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	12
RL (dB)	3.0	3.2	-2.5	-2.1
Freq. (MHz)	240.5	239.0	86.3	87.5
Limit (dB)	10.2	10.2	14.6	14.6



Cable ID: REABILITACAO35

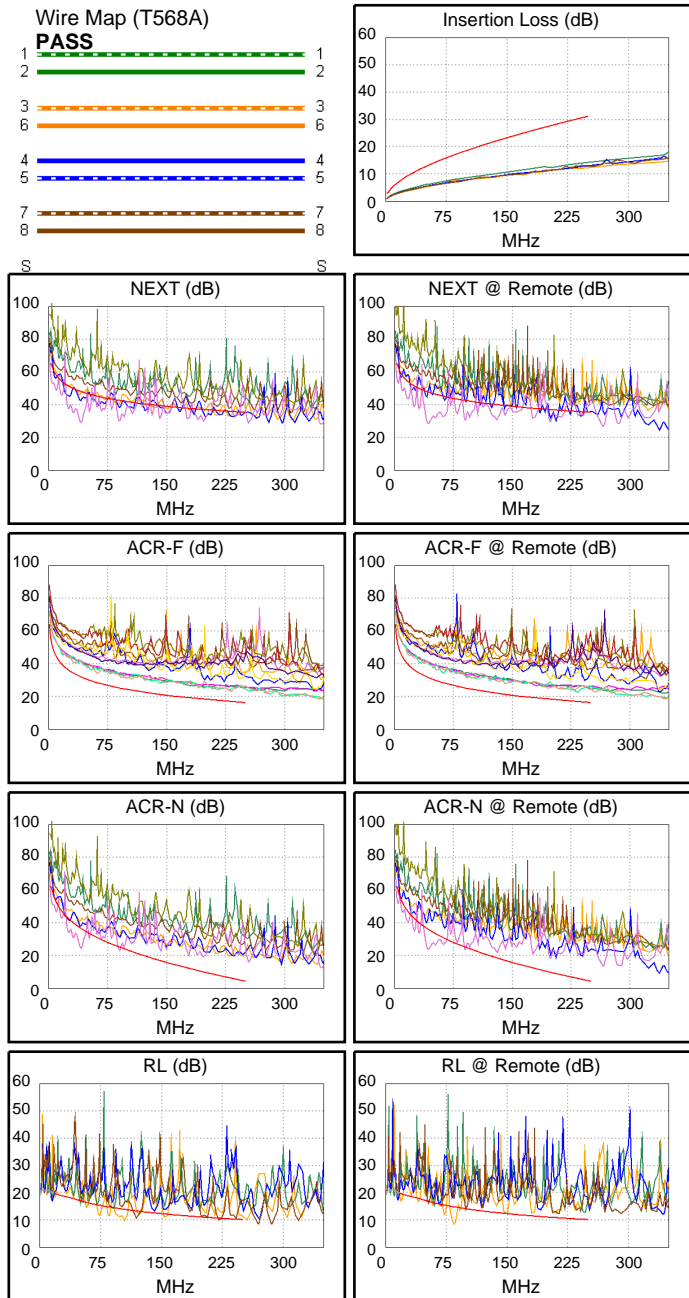
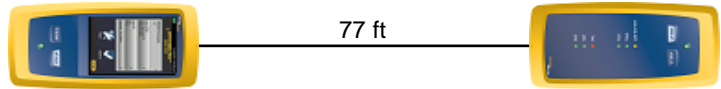
Date / Time: 10/10/2016 08:51:38 PM
Headroom -19.3 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	77
Prop. Delay (ns), Limit 498	[Pair 36]	115
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	10.0
Insertion Loss Margin (dB)	[Pair 36]	16.5
Frequency (MHz)	[Pair 36]	247.0
Limit (dB)	[Pair 36]	30.9



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-19.0F	-19.3F	-18.9	-19.3
Freq. (MHz)	41.0	43.0	41.5	43.0
Limit (dB)	48.1	47.8	48.0	47.8
Worst Pair	78	78	78	78
PS NEXT (dB)	-16.7F	-17.0F	-6.2	-6.6
Freq. (MHz)	41.3	42.5	198.5	199.5
Limit (dB)	45.6	45.4	34.4	34.3
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	5.8	5.7	6.3	5.7
Freq. (MHz)	61.8	233.5	233.5	233.5
Limit (dB)	28.4	16.8	16.8	16.8
Worst Pair	45	45	45	45
PS ACR-F (dB)	7.0	7.2	7.4	8.5
Freq. (MHz)	191.0	195.5	231.5	250.0
Limit (dB)	15.6	15.4	13.9	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-12.2	-12.4	8.8	8.5
Freq. (MHz)	41.0	42.5	198.0	198.5
Limit (dB)	36.6	36.1	9.8	9.7
Worst Pair	78	45	78	78
PS ACR-N (dB)	-9.9	-10.1	13.7	9.3
Freq. (MHz)	41.3	42.5	235.5	199.5
Limit (dB)	34.1	33.7	3.1	7.0
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	78	12
RL (dB)	-4.2F	-6.3F	-1.0	-6.3
Freq. (MHz)	104.5	85.0	222.0	85.0
Limit (dB)	13.8	14.7	10.5	14.7



Cable ID: REABILITACAO36

Date / Time: 10/10/2016 08:55:18 PM

Headroom -17.5 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

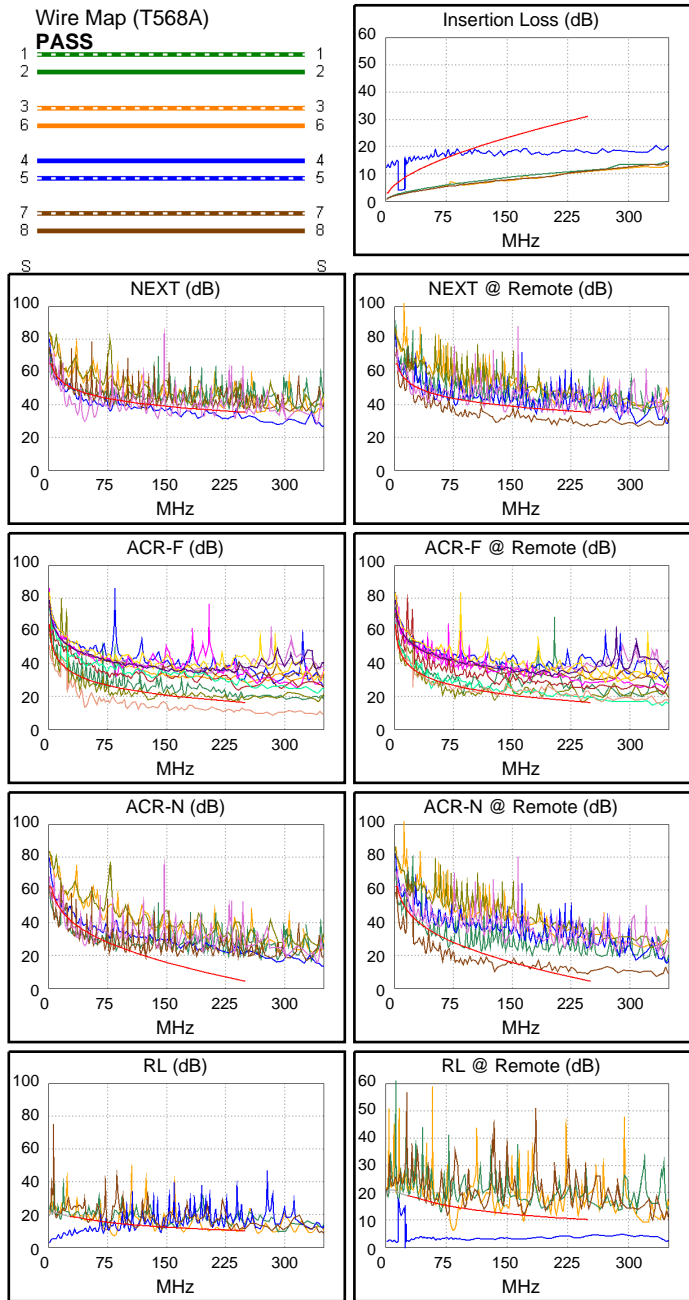
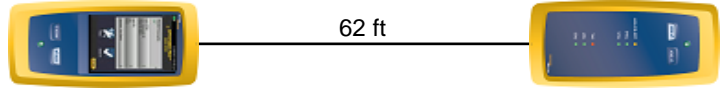
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	62
Prop. Delay (ns), Limit 498	[Pair 36]	102
Delay Skew (ns), Limit 44	[Pair 36]	11
Resistance (ohms)	[Pair 45]	Open
Insertion Loss Margin (dB)	[Pair 45]	-10.4 F
Frequency (MHz)	[Pair 45]	2.9
Limit (dB)	[Pair 45]	3.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
NEXT (dB)	-17.5 F	-11.5 F	-17.5	-9.5
Freq. (MHz)	46.0	128.0	46.0	248.0
Limit (dB)	47.3	40.1	47.3	35.4
Worst Pair	45	45	78	45
PS NEXT (dB)	-15.3 F	-9.1 F	-5.7	-7.3
Freq. (MHz)	45.8	127.5	196.5	248.0
Limit (dB)	44.9	37.6	34.4	32.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	36-45
ACR-F (dB)	-17.9 F	-7.8 F	-6.7	0.0
Freq. (MHz)	46.3	23.6	236.5	242.0
Limit (dB)	30.9	36.7	16.7	16.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	-15.2 F	-6.1 F	-4.6	0.4
Freq. (MHz)	46.3	61.5	236.5	239.5
Limit (dB)	27.9	25.4	13.7	13.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	-13.3	-19.1	7.7	3.3
Freq. (MHz)	7.1	7.4	189.0	248.0
Limit (dB)	55.5	55.2	10.8	4.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	-19.2	-17.2	8.7	5.5
Freq. (MHz)	45.8	7.5	237.0	248.0
Limit (dB)	32.7	52.7	2.9	1.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	-16.8 F	-19.1 F	-16.5	-18.7
Freq. (MHz)	2.0	8.4	1.0	14.1
Limit (dB)	20.3	21.0	19.1	20.3



Cable ID: REABILITACAO37

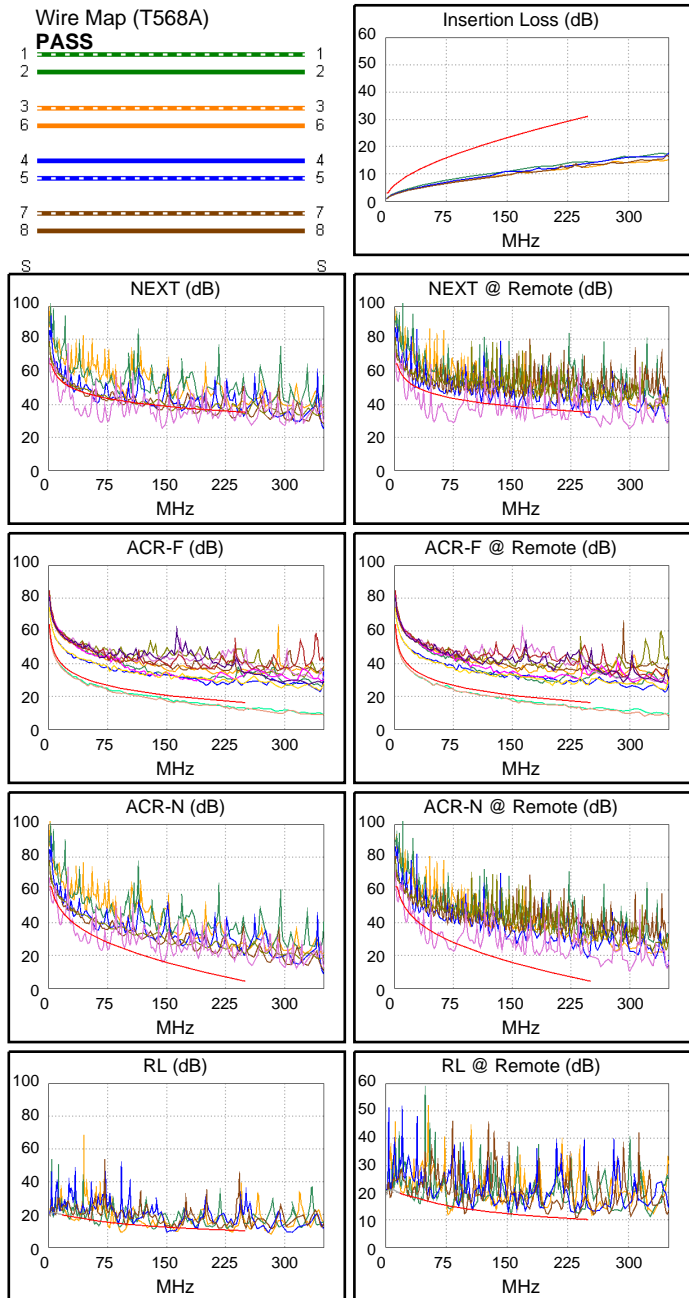
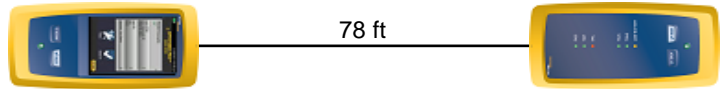
Date / Time: 10/10/2016 09:00:20 PM
Headroom -17.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	78
Prop. Delay (ns), Limit 498	[Pair 36]	117
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	10.2
Insertion Loss Margin (dB)	[Pair 36]	15.2
Frequency (MHz)	[Pair 36]	234.5
Limit (dB)	[Pair 36]	30.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-15.6 F	-17.1 F	-13.6	-14.8
Freq. (MHz)	67.0	50.3	145.5	75.5
Limit (dB)	44.7	46.7	39.2	43.8
Worst Pair	78	45	45	78
PS NEXT (dB)	-13.3 F	-14.6 F	-11.3	-12.4
Freq. (MHz)	67.0	50.5	145.5	75.5
Limit (dB)	42.2	44.2	36.6	41.3
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-4.9 F	-4.8 F	-4.9	-4.8
Freq. (MHz)	247.5	240.0	247.5	240.0
Limit (dB)	16.3	16.6	16.3	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	-1.9 F	-1.9 F	-1.9	-1.9
Freq. (MHz)	247.5	240.0	247.5	240.0
Limit (dB)	13.3	13.6	13.3	13.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.5	-9.5	-0.6	9.4
Freq. (MHz)	14.9	50.5	145.5	219.5
Limit (dB)	48.3	33.8	16.3	7.4
Worst Pair	45	45	45	78
PS ACR-N (dB)	-7.4	-7.4	11.4	14.7
Freq. (MHz)	15.0	50.8	236.5	248.0
Limit (dB)	45.9	31.3	3.0	1.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-5.3 F	-3.4 F	-1.6	0.1
Freq. (MHz)	93.0	78.0	232.5	236.0
Limit (dB)	14.3	15.1	10.3	10.3



Cable ID: REABILITACAO38

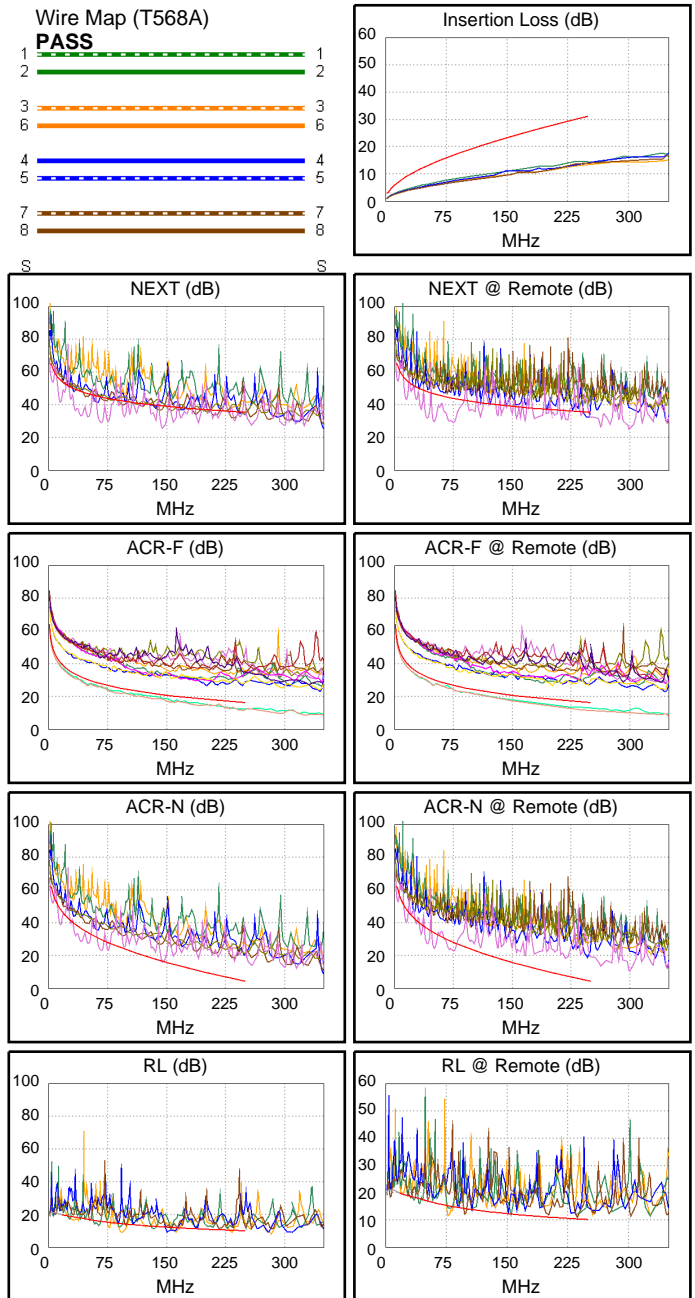
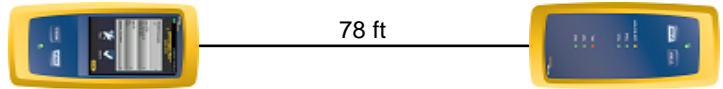
Date / Time: 10/10/2016 09:02:05 PM
Headroom -17.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	78
Prop. Delay (ns), Limit 498	[Pair 36]	117
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	10.2
Insertion Loss Margin (dB)	[Pair 36]	15.2
Frequency (MHz)	[Pair 36]	235.0
Limit (dB)	[Pair 36]	30.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-15.6 F	-17.1 F	-13.6	-14.8
Freq. (MHz)	67.0	50.5	145.5	75.5
Limit (dB)	44.7	46.6	39.2	43.8
Worst Pair	78	45	45	78
PS NEXT (dB)	-13.3 F	-14.7 F	-11.3	-12.4
Freq. (MHz)	67.0	50.5	145.5	75.5
Limit (dB)	42.2	44.2	36.6	41.3
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-4.9 F	-4.9 F	-4.9	-4.9
Freq. (MHz)	248.0	239.5	248.0	239.5
Limit (dB)	16.3	16.6	16.3	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	-1.9 F	-2.0 F	-1.9	-2.0
Freq. (MHz)	248.0	239.5	248.0	239.5
Limit (dB)	13.3	13.6	13.3	13.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.6	-9.6	-0.6	9.5
Freq. (MHz)	14.8	50.5	145.5	219.5
Limit (dB)	48.4	33.8	16.3	7.4
Worst Pair	45	45	45	78
PS ACR-N (dB)	-7.5	-7.4	11.5	14.5
Freq. (MHz)	14.8	50.5	236.5	248.0
Limit (dB)	46.0	31.3	3.0	1.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-5.3 F	-3.8 F	-1.5	0.2
Freq. (MHz)	93.0	77.8	233.0	236.0
Limit (dB)	14.3	15.1	10.3	10.3



Cable ID: REABILITACAO39

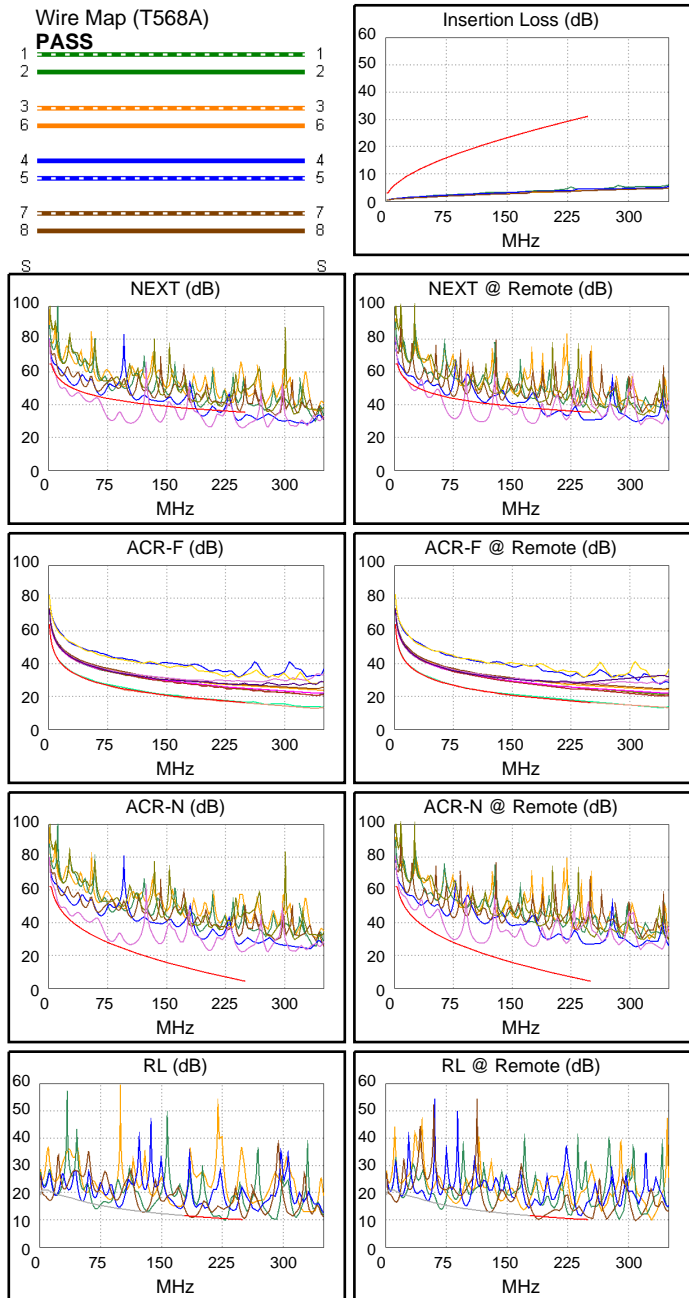
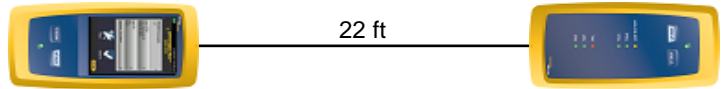
Date / Time: 10/10/2016 09:12:12 PM
Headroom -13.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	22
Prop. Delay (ns), Limit 498	[Pair 36]	34
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.2
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	230.5
Limit (dB)	[Pair 36]	29.7



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.1 F	-12.3 F	-9.6	-9.2
Freq. (MHz)	80.5	77.0	246.5	178.5
Limit (dB)	43.4	43.7	35.4	37.7
Worst Pair	45	45	78	78
PS NEXT (dB)	-10.7 F	-10.0 F	-8.0	-6.8
Freq. (MHz)	80.5	77.0	246.5	178.5
Limit (dB)	40.9	41.2	32.8	35.1
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-0.7 F	-0.9 F	-0.5	-0.2
Freq. (MHz)	174.5	197.5	240.0	250.0
Limit (dB)	19.4	18.3	16.6	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	1.4	1.1*	1.5	1.7
Freq. (MHz)	240.0	197.5	243.0	250.0
Limit (dB)	13.6	15.3	13.5	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	1.4	1.9	17.5	13.4
Freq. (MHz)	14.6	75.5	246.5	178.5
Limit (dB)	48.5	27.9	4.6	12.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	2.9	3.8	18.9	15.4
Freq. (MHz)	13.9	75.5	244.0	178.5
Limit (dB)	46.7	25.4	2.2	9.5
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	-0.7 F	-1.2 F	-0.7	-1.1
Freq. (MHz)	228.0	188.0	228.0	189.0
Limit (dB)	10.4	11.3	10.4	11.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO40

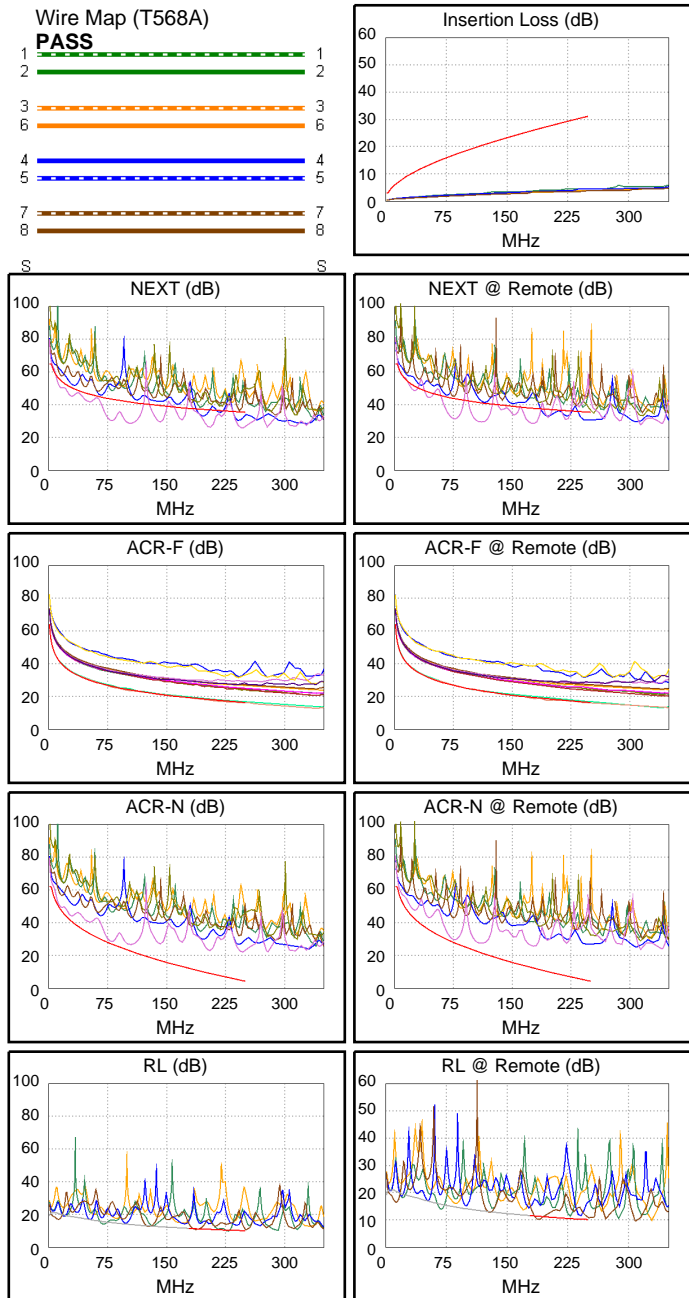
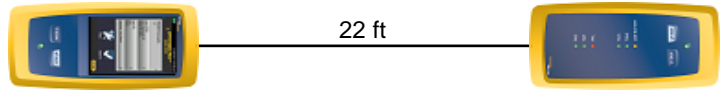
Date / Time: 10/10/2016 09:12:28 PM
Headroom -13.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	22
Prop. Delay (ns), Limit 498	[Pair 36]	34
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.1
Insertion Loss Margin (dB)	[Pair 36]	24.6
Frequency (MHz)	[Pair 36]	229.5
Limit (dB)	[Pair 36]	29.6



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.2 F	-12.3 F	-9.7	-9.3
Freq. (MHz)	79.5	77.3	246.5	178.0
Limit (dB)	43.5	43.7	35.4	37.8
Worst Pair	45	45	78	78
PS NEXT (dB)	-10.7 F	-10.0 F	-8.1	-6.9
Freq. (MHz)	80.5	77.0	246.5	178.0
Limit (dB)	40.9	41.2	32.8	35.2
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-0.7 F	-0.9 F	-0.3	-0.3
Freq. (MHz)	172.5	196.5	241.5	250.0
Limit (dB)	19.5	18.3	16.5	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	1.3	1.2	1.9	1.6
Freq. (MHz)	170.5	198.0	250.0	250.0
Limit (dB)	16.6	15.3	13.2	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	1.4	1.8	17.4	13.6
Freq. (MHz)	14.4	73.8	246.5	179.5
Limit (dB)	48.7	28.3	4.6	12.0
Worst Pair	45	45	78	45
PS ACR-N (dB)	2.9	3.8	19.0	15.3
Freq. (MHz)	14.0	75.5	246.5	178.0
Limit (dB)	46.6	25.4	2.0	9.6
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	-0.7 F	-1.2 F	-0.7	-1.2
Freq. (MHz)	228.0	189.5	228.0	189.5
Limit (dB)	10.4	11.2	10.4	11.2



Cable ID: REABILITACAO41

Date / Time: 10/10/2016 09:12:54 PM

Headroom -1.4 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

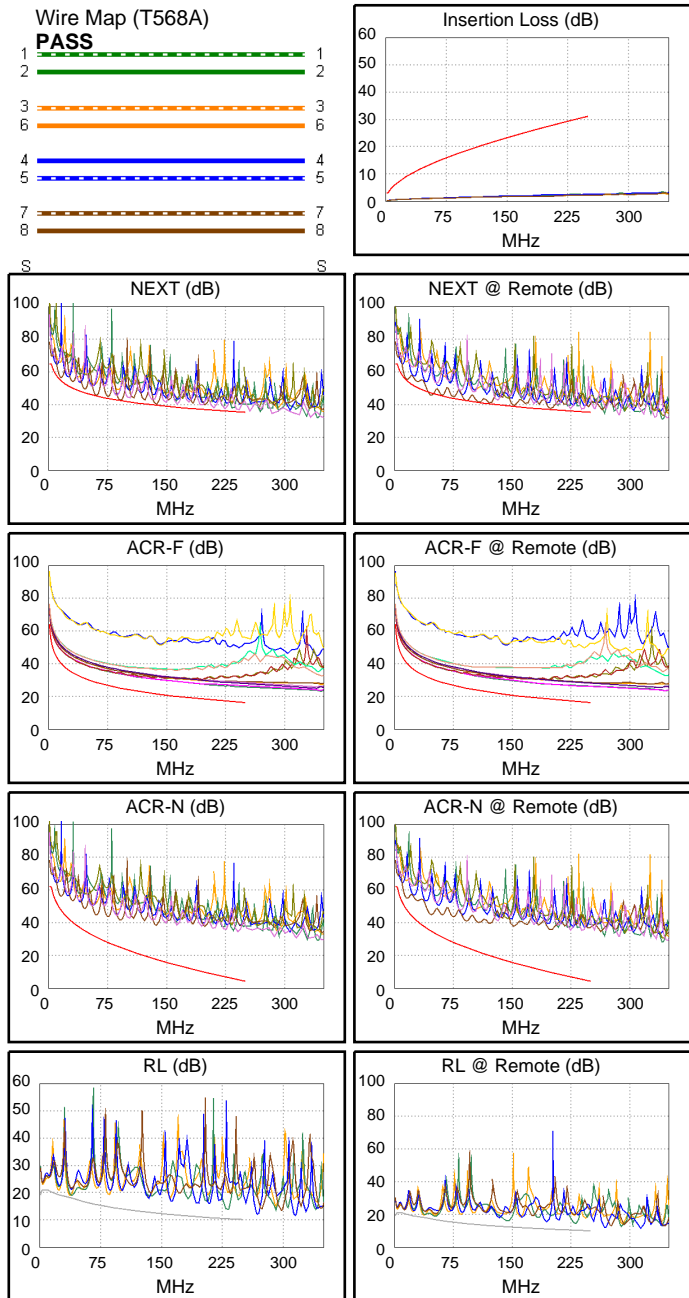
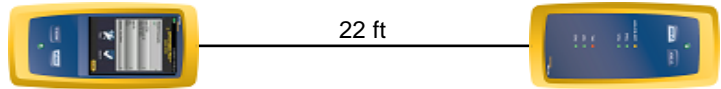
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	22
Prop. Delay (ns), Limit 498	[Pair 45]	35
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	27.3
Frequency (MHz)	[Pair 36]	233.5
Limit (dB)	[Pair 36]	29.9



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
NEXT (dB)	0.4*	-1.4F	1.0	1.4
Freq. (MHz)	91.5	46.8	241.5	240.5
Limit (dB)	42.5	47.2	35.6	35.6
Worst Pair	45	45	45	78
PS NEXT (dB)	1.3	0.9	1.6	1.9
Freq. (MHz)	136.5	47.0	223.5	241.5
Limit (dB)	37.1	44.7	33.5	33.0
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
ACR-F (dB)	7.9	7.9	9.4	9.3
Freq. (MHz)	4.8	5.5	250.0	248.5
Limit (dB)	50.7	49.4	16.2	16.3
Worst Pair	45	45	12	12
PS ACR-F (dB)	7.2	7.2	10.8	10.9
Freq. (MHz)	1.5	1.1	248.0	250.0
Limit (dB)	57.7	60.2	13.3	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	8.1	6.8	29.5	29.8
Freq. (MHz)	14.8	14.3	241.5	240.5
Limit (dB)	48.4	48.8	5.1	5.2
Worst Pair	45	36	45	45
PS ACR-N (dB)	9.8	8.7	28.6	28.4
Freq. (MHz)	3.8	14.3	223.5	222.5
Limit (dB)	58.6	46.4	4.4	4.5
N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	36	36
RL (dB)	0.7	1.4	3.2	3.9
Freq. (MHz)	37.0	37.0	232.0	231.0
Limit (dB)	18.2	18.2	10.3	10.4

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO42

Date / Time: 10/10/2016 09:16:22 PM

Headroom -1.7 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

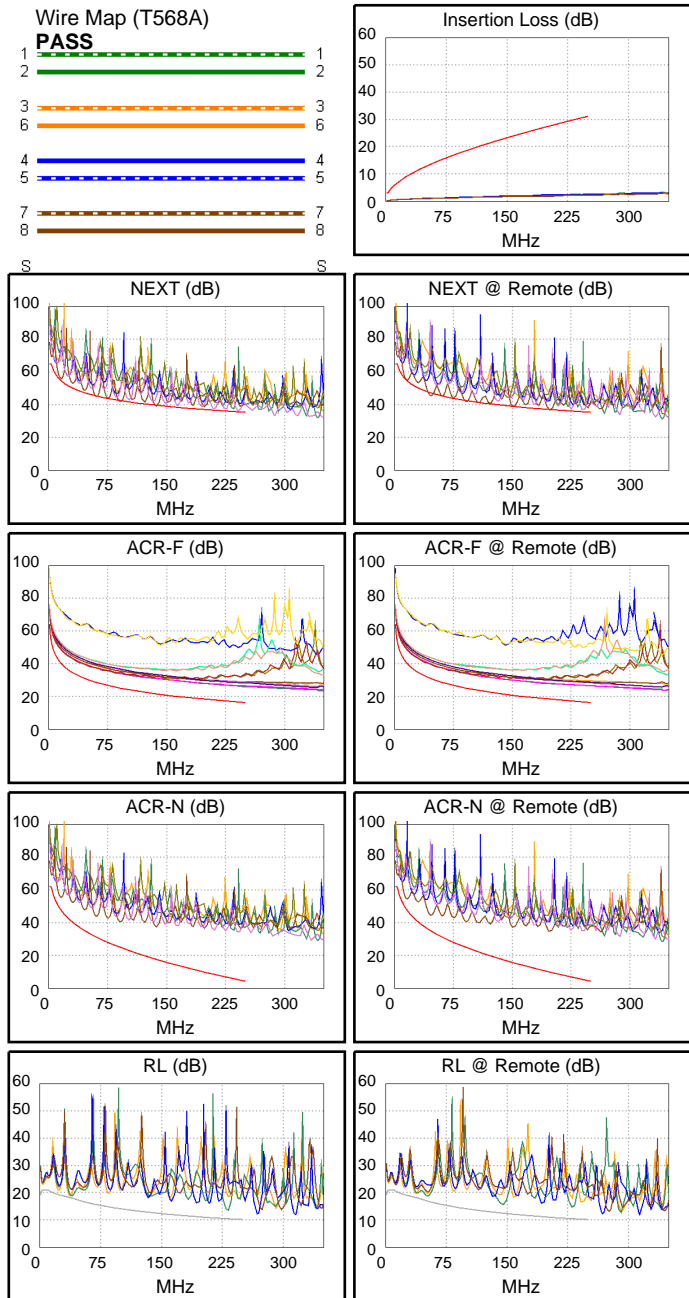
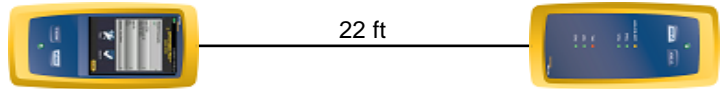
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	22
Prop. Delay (ns), Limit 498	[Pair 45]	35
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 36]	1.4
Insertion Loss Margin (dB)	[Pair 36]	27.3
Frequency (MHz)	[Pair 36]	233.5
Limit (dB)	[Pair 36]	29.9



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36-45	36-45	45-78	45-78
NEXT (dB)	-0.5F	-1.7F	0.4	1.0
Freq. (MHz)	137.0	46.8	241.5	241.0
Limit (dB)	39.6	47.2	35.6	35.6
Worst Pair	45	45	45	78
PS NEXT (dB)	0.3*	0.5	1.6	1.8
Freq. (MHz)	136.5	46.3	244.5	241.5
Limit (dB)	37.1	44.8	32.9	33.0

	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	12-45	12-45
ACR-F (dB)	8.0	8.0	9.7	9.6
Freq. (MHz)	4.8	5.1	250.0	249.0
Limit (dB)	50.7	50.0	16.2	16.3
Worst Pair	45	45	12	12
PS ACR-F (dB)	7.4	7.2	11.1	11.0
Freq. (MHz)	4.8	1.1	248.0	248.0
Limit (dB)	47.7	60.2	13.3	13.3

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	36-45	36-45	45-78	36-45
ACR-N (dB)	7.4	6.4	28.9	24.9
Freq. (MHz)	14.3	14.4	241.5	198.5
Limit (dB)	48.8	48.7	5.1	9.7
Worst Pair	36	36	45	45
PS ACR-N (dB)	9.3	8.5	30.0	30.5
Freq. (MHz)	13.9	14.4	244.5	245.0
Limit (dB)	46.7	46.3	2.2	2.1

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	12	12	36	36
RL (dB)	0.7	1.4	3.1	4.1
Freq. (MHz)	37.8	37.0	232.0	231.5
Limit (dB)	18.1	18.2	10.3	10.4

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO43

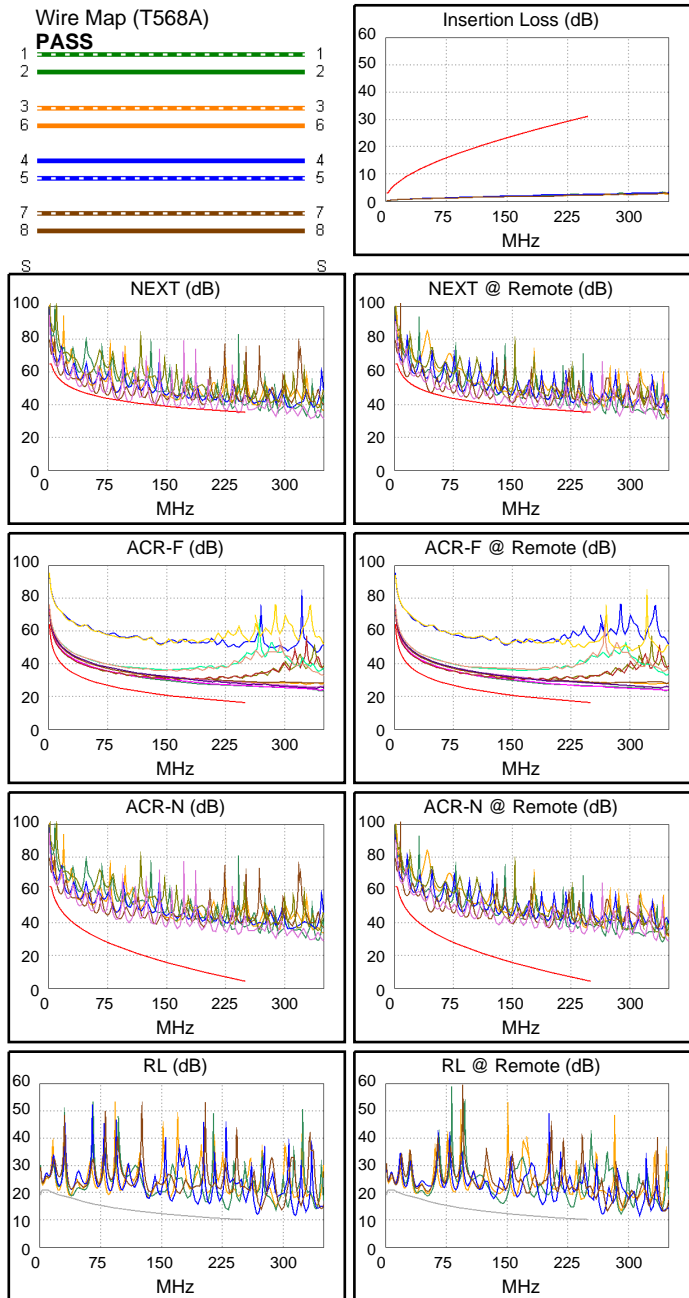
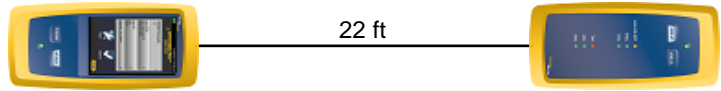
Date / Time: 10/10/2016 09:18:19 PM
Headroom -0.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 36]	22
Prop. Delay (ns), Limit 498	[Pair 45]	35
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 45]	1.3
Insertion Loss Margin (dB)	[Pair 36]	27.3
Frequency (MHz)	[Pair 36]	233.0
Limit (dB)	[Pair 36]	29.9



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-0.7 F	-0.7 F	-0.7	-0.7
Freq. (MHz)	242.0	241.5	242.0	241.5
Limit (dB)	35.6	35.6	35.6	35.6
Worst Pair	45	78	78	78
PS NEXT (dB)	0.2*	0.7*	1.1	0.8
Freq. (MHz)	135.0	241.5	242.5	242.0
Limit (dB)	37.2	33.0	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
ACR-F (dB)	7.7	7.7	9.6	9.6
Freq. (MHz)	4.8	4.8	250.0	250.0
Limit (dB)	50.7	50.7	16.2	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	7.2	7.1	10.8	10.7
Freq. (MHz)	4.8	2.4	245.5	246.5
Limit (dB)	47.7	53.7	13.4	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	9.2	8.3	27.9	27.8
Freq. (MHz)	14.4	14.5	242.0	241.5
Limit (dB)	48.7	48.6	5.0	5.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	10.2	10.1	29.6	29.3
Freq. (MHz)	4.0	13.6	243.0	243.0
Limit (dB)	58.3	46.9	2.3	2.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	36	36
RL (dB)	0.7	1.4	3.3	4.0
Freq. (MHz)	37.8	37.0	232.0	231.0
Limit (dB)	18.1	18.2	10.3	10.4

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO44

Date / Time: 10/10/2016 09:20:33 PM

Headroom 0.0 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: PASS

Model: DSX-5000

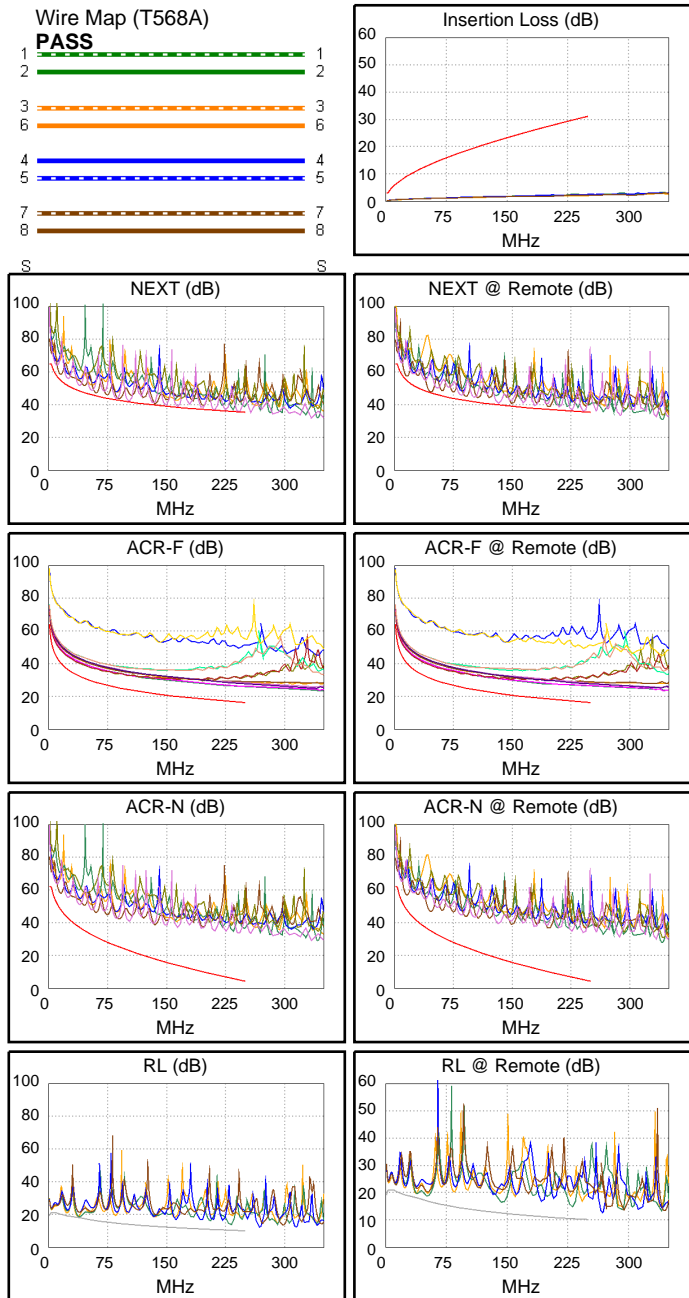
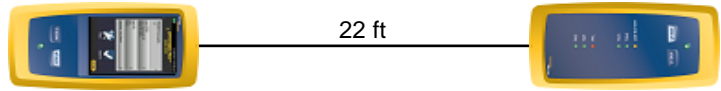
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	22
Prop. Delay (ns), Limit 498	[Pair 45]	35
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	27.3
Frequency (MHz)	[Pair 36]	233.0
Limit (dB)	[Pair 36]	29.9



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	0.0*	0.2*	0.0	0.2
Freq. (MHz)	242.5	242.0	242.5	242.0
Limit (dB)	35.6	35.6	35.6	35.6
Worst Pair	45	45	45	45
PS NEXT (dB)	0.4*	0.9*	1.6	0.9
Freq. (MHz)	135.0	244.0	244.5	244.0
Limit (dB)	37.2	32.9	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	12-45	12-45
ACR-F (dB)	7.5	7.5	9.5	9.6
Freq. (MHz)	3.3	4.4	250.0	250.0
Limit (dB)	54.0	51.4	16.2	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	7.1	7.0	10.7	10.9
Freq. (MHz)	4.8	1.3	244.5	247.0
Limit (dB)	47.7	59.3	13.4	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
ACR-N (dB)	9.4	8.7	28.6	28.8
Freq. (MHz)	3.5	14.5	242.5	242.0
Limit (dB)	61.7	48.6	5.0	5.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	10.4	10.4	30.0	29.3
Freq. (MHz)	4.0	13.6	244.5	244.0
Limit (dB)	58.3	46.9	2.2	2.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	0.6	1.5	3.2	4.3
Freq. (MHz)	39.5	38.8	231.5	231.5
Limit (dB)	18.0	18.1	10.4	10.4

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

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO45

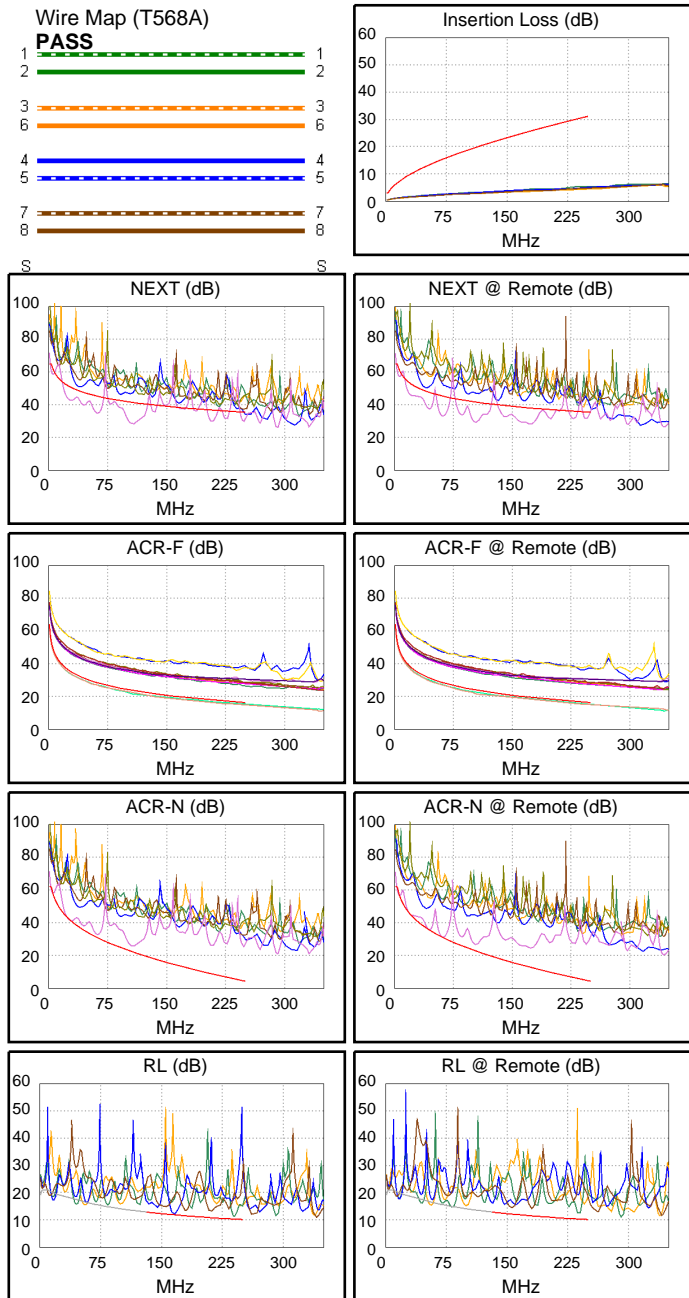
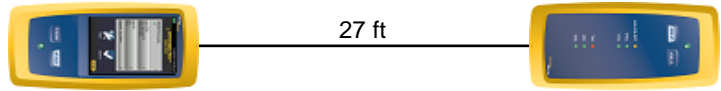
Date / Time: 10/10/2016 09:24:26 PM
Headroom -13.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	4.0
Insertion Loss Margin (dB)	[Pair 36]	24.6
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.1 F	-12.3 F	-13.0	-10.0
Freq. (MHz)	107.0	104.0	107.5	173.0
Limit (dB)	41.4	41.6	41.3	38.0
Worst Pair	78	78	78	78
PS NEXT (dB)	-10.7 F	-9.9 F	-10.6	-7.5
Freq. (MHz)	106.5	103.5	107.5	173.0
Limit (dB)	38.9	39.1	38.8	35.4

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	-2.1 F	-2.4 F	-1.6	-1.8
Freq. (MHz)	108.5	108.5	250.0	250.0
Limit (dB)	23.5	23.5	16.2	16.2
Worst Pair	78	45	45	45
PS ACR-F (dB)	0.7*	0.3*	0.9	0.7
Freq. (MHz)	108.5	108.5	250.0	250.0
Limit (dB)	20.5	20.5	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-1.9	-2.1	21.0	11.9
Freq. (MHz)	3.6	3.6	248.0	174.0
Limit (dB)	61.4	61.4	4.4	12.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.5	0.2	22.3	13.8
Freq. (MHz)	4.0	3.9	248.0	174.0
Limit (dB)	58.3	58.5	1.8	10.1

	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45	36	36	36
RL (dB)	0.3*	1.9	1.1	1.9
Freq. (MHz)	166.5	239.5	240.0	239.5
Limit (dB)	11.8	10.2	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO46

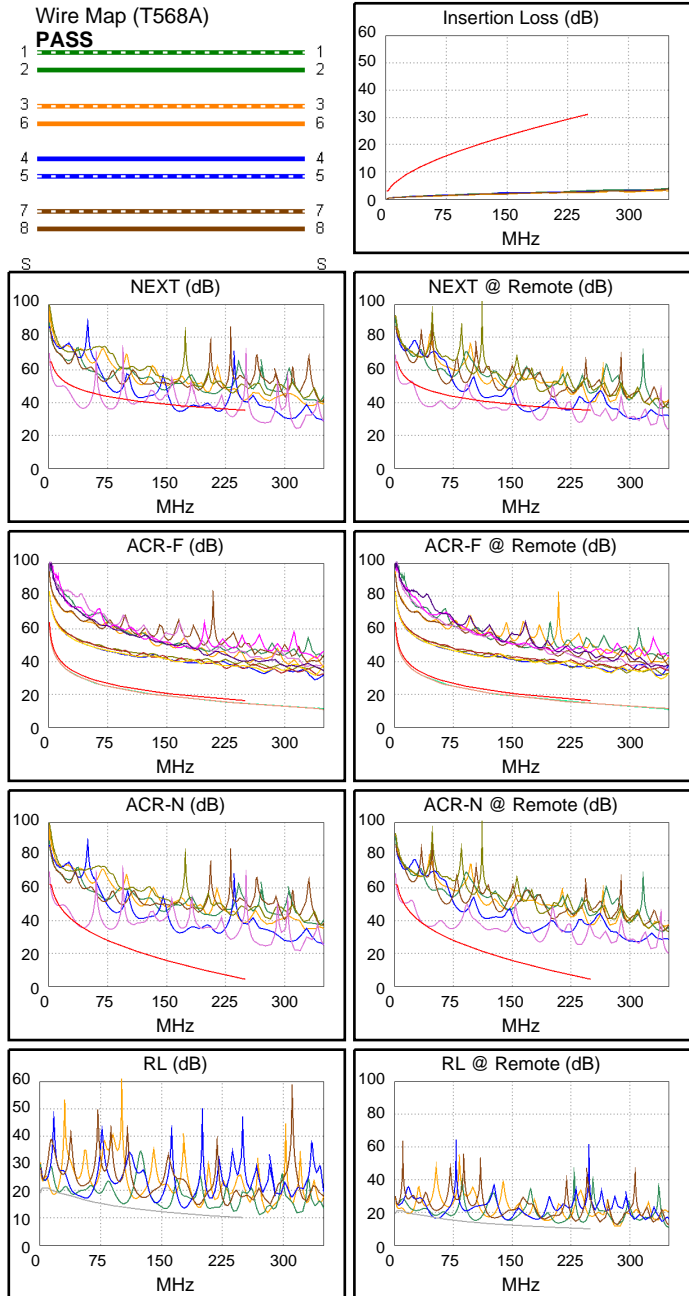
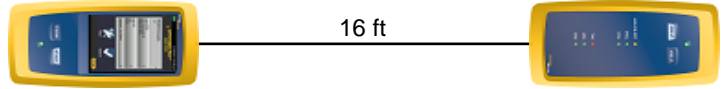
Date / Time: 10/10/2016 09:27:47 PM
Headroom -11.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 45]	16
Prop. Delay (ns), Limit 498	[Pair 36]	24
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 36]	27.3
Frequency (MHz)	[Pair 36]	241.5
Limit (dB)	[Pair 36]	30.5



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-11.2 F	-10.3 F	-4.5	-7.9
Freq. (MHz)	42.3	40.8	234.0	237.5
Limit (dB)	47.9	48.1	35.8	35.7
Worst Pair	45	45	78	78
PS NEXT (dB)	-8.7 F	-7.9 F	-2.1	-5.4
Freq. (MHz)	43.3	40.8	232.5	237.5
Limit (dB)	45.3	45.7	33.2	33.1
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	-2.4 F	-2.4 F	-1.8	-1.8
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	64.2	64.2	16.2	16.2
Worst Pair	78	45	45	45
PS ACR-F (dB)	0.6	0.6	1.2	1.2
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.3	-4.5	22.5	19.4
Freq. (MHz)	4.9	3.5	232.5	235.5
Limit (dB)	58.9	61.7	6.0	5.7
Worst Pair	45	45	78	78
PS ACR-N (dB)	-2.1	-2.2	24.9	21.9
Freq. (MHz)	4.3	4.3	232.5	235.5
Limit (dB)	57.8	57.8	3.4	3.1
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	2.0	3.6	2.0	3.6
Freq. (MHz)	241.0	241.5	241.0	241.5
Limit (dB)	10.2	10.2	10.2	10.2



Cable ID: REABILITACAO47

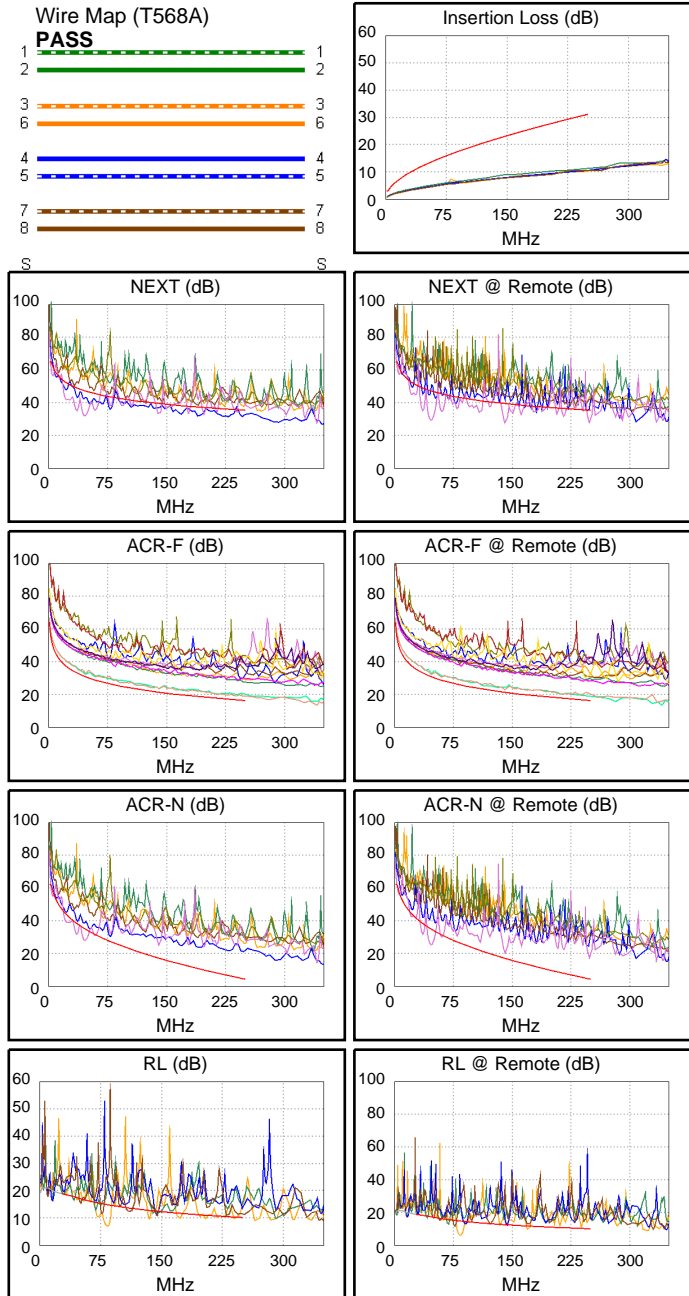
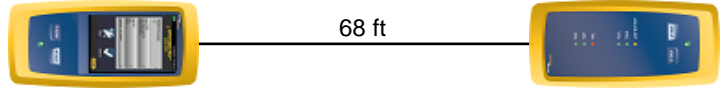
Date / Time: 10/10/2016 09:28:43 PM
Headroom -18.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	68
Prop. Delay (ns), Limit 498	[Pair 36]	102
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	7.7
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
NEXT (dB)	-15.4F	-18.0F	-4.6	-12.0
Freq. (MHz)	46.0	46.5	228.5	141.5
Limit (dB)	47.3	47.2	36.0	39.4
Worst Pair	78	78	12	78
PS NEXT (dB)	-13.3F	-15.6F	-2.4	-5.4
Freq. (MHz)	45.8	46.5	248.5	249.0
Limit (dB)	44.9	44.7	32.7	32.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	1.5	1.4	2.8	2.3
Freq. (MHz)	46.3	46.3	250.0	247.0
Limit (dB)	30.9	30.9	16.2	16.3
Worst Pair	78	45	45	78
PS ACR-F (dB)	4.3	4.1	5.2	5.3
Freq. (MHz)	46.3	46.3	250.0	247.0
Limit (dB)	27.9	27.9	13.2	13.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
ACR-N (dB)	-7.2	-9.8	16.4	12.8
Freq. (MHz)	46.0	46.0	247.5	249.0
Limit (dB)	35.1	35.1	4.5	4.3
Worst Pair	78	45	78	78
PS ACR-N (dB)	-5.1	-7.4	18.3	15.0
Freq. (MHz)	45.3	46.5	247.5	249.0
Limit (dB)	32.8	32.5	1.9	1.7
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-7.9F	-8.7F	-7.8	-8.6
Freq. (MHz)	84.0	84.0	84.3	84.5
Limit (dB)	14.8	14.8	14.7	14.7



Cable ID: REABILITACAO48

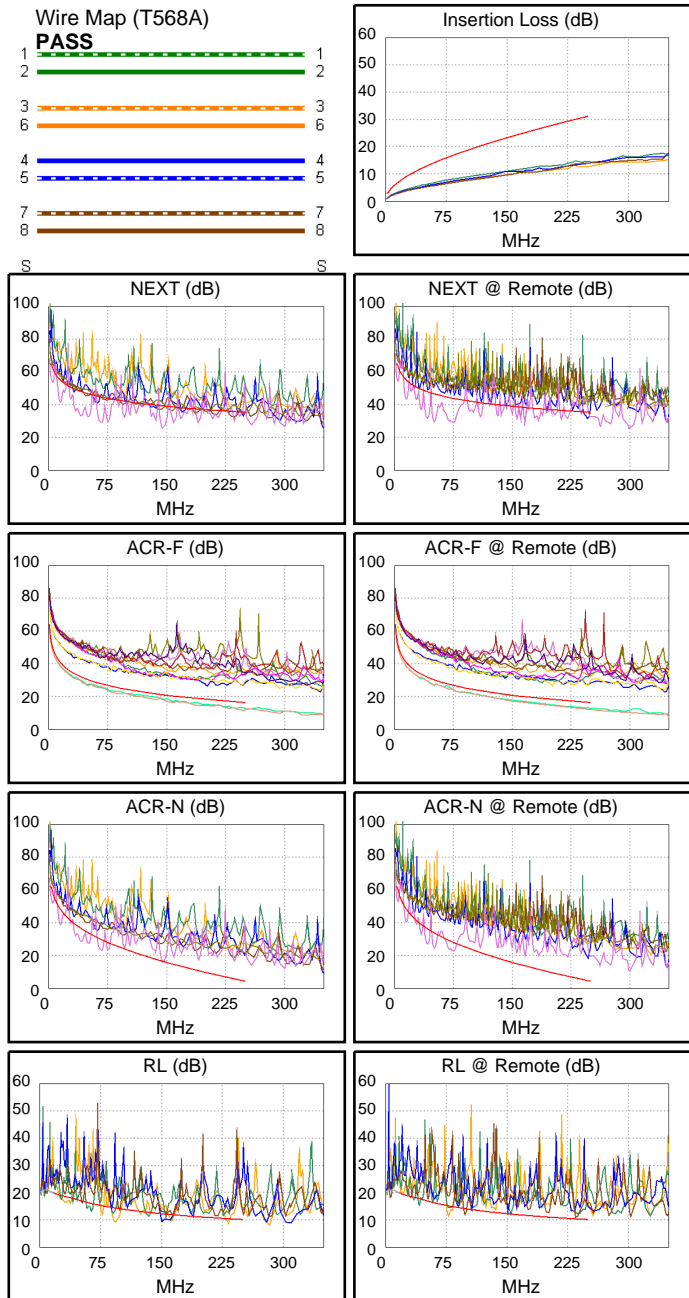
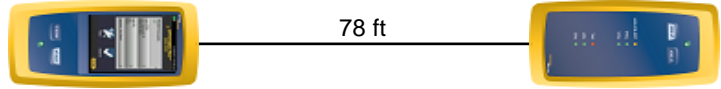
Date / Time: 10/10/2016 09:29:45 PM
Headroom -17.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	78
Prop. Delay (ns), Limit 498	[Pair 36]	117
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	10.3
Insertion Loss Margin (dB)	[Pair 36]	15.2
Frequency (MHz)	[Pair 36]	235.0
Limit (dB)	[Pair 36]	30.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-15.6F	-17.1F	-13.6	-14.8
Freq. (MHz)	67.0	50.3	145.5	75.3
Limit (dB)	44.7	46.7	39.2	43.8
Worst Pair	78	45	45	45
PS NEXT (dB)	-13.3F	-14.6F	-11.3	-12.3
Freq. (MHz)	67.0	50.5	145.5	75.3
Limit (dB)	42.2	44.2	36.6	41.3
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-5.0F	-4.9F	-5.0	-4.9
Freq. (MHz)	247.5	239.5	247.5	239.5
Limit (dB)	16.3	16.6	16.3	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	-2.0F	-2.0F	-2.0	-2.0
Freq. (MHz)	247.5	239.5	247.5	239.5
Limit (dB)	13.3	13.6	13.3	13.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.5	-9.5	-0.5	10.6
Freq. (MHz)	14.6	50.3	146.0	219.5
Limit (dB)	48.5	33.9	16.3	7.4
Worst Pair	45	45	45	78
PS ACR-N (dB)	-7.4	-7.4	11.7	14.7
Freq. (MHz)	15.0	50.3	236.5	248.0
Limit (dB)	45.9	31.4	3.0	1.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-5.2F	-3.7F	-1.7	0.2
Freq. (MHz)	93.0	77.8	232.5	236.0
Limit (dB)	14.3	15.1	10.3	10.3



Cable ID: REABILITACAO49

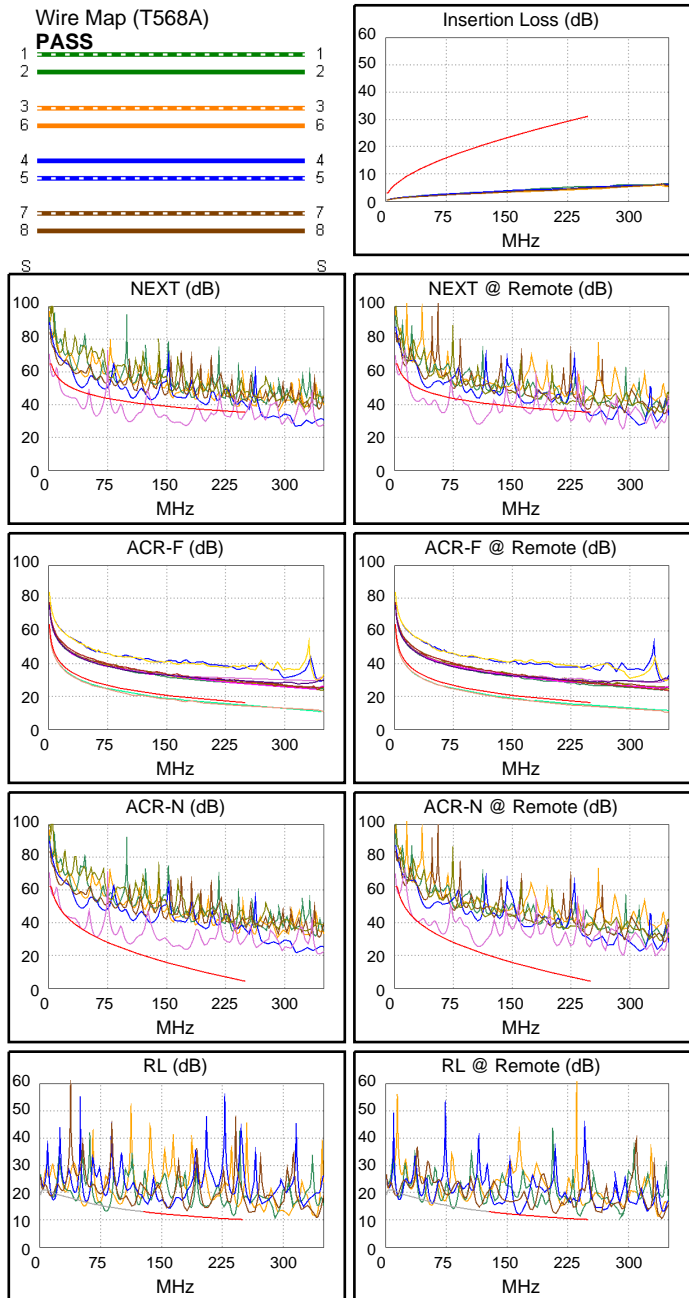
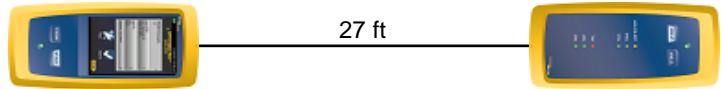
Date / Time: 10/10/2016 09:31:50 PM
Headroom -13.4 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	3.9
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	240.5
Limit (dB)	[Pair 36]	30.4



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.2F	-13.4F	-10.7	-13.3
Freq. (MHz)	60.5	107.0	175.0	108.0
Limit (dB)	45.4	41.4	37.9	41.3
Worst Pair	45	78	45	78
PS NEXT (dB)	-9.7F	-11.0F	-8.2	-10.9
Freq. (MHz)	60.8	106.5	175.0	108.0
Limit (dB)	42.9	38.9	35.3	38.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.0F	-2.7F	-2.2	-2.2
Freq. (MHz)	108.5	110.0	250.0	250.0
Limit (dB)	23.5	23.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.2F	0.1*	0.4	0.4
Freq. (MHz)	110.0	106.0	250.0	250.0
Limit (dB)	20.4	20.7	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.8	-2.5	11.1	20.8
Freq. (MHz)	3.6	3.6	175.0	248.0
Limit (dB)	61.4	61.4	12.5	4.4
Worst Pair	45	45	45	78
PS ACR-N (dB)	-0.5	0.0	13.1	22.1
Freq. (MHz)	3.9	4.0	175.0	249.5
Limit (dB)	58.5	58.3	9.9	1.7

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-1.7F	-0.8F	1.3	1.0
Freq. (MHz)	82.5	84.0	239.0	239.5
Limit (dB)	14.8	14.8	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO5

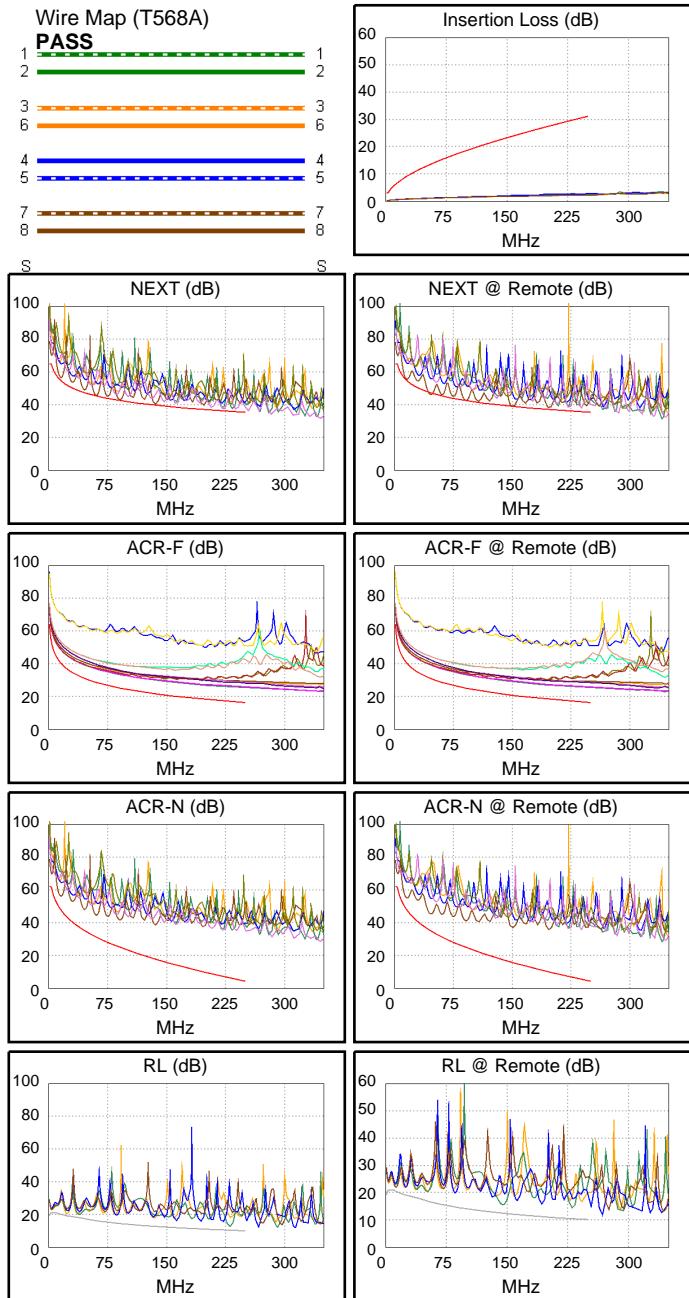
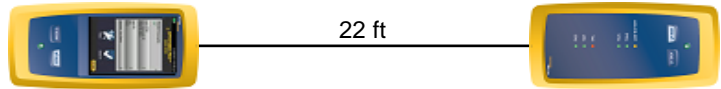
Date / Time: 10/10/2016 07:59:12 PM
Headroom -1.0 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	22
Prop. Delay (ns), Limit 498	[Pair 45]	35
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 36]	27.0
Frequency (MHz)	[Pair 36]	232.0
Limit (dB)	[Pair 36]	29.8



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	45-78
NEXT (dB)	0.3*	-1.0F	1.6	2.3
Freq. (MHz)	60.5	46.8	239.0	238.0
Limit (dB)	45.4	47.2	35.7	35.7
Worst Pair	45	45	45	45
PS NEXT (dB)	1.1	1.3	1.1	2.1
Freq. (MHz)	222.0	46.8	222.0	222.5
Limit (dB)	33.6	44.7	33.6	33.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	12-45	12-45
ACR-F (dB)	7.7	7.7	8.9	9.0
Freq. (MHz)	2.0	2.0	250.0	250.0
Limit (dB)	58.2	58.2	16.2	16.2
Worst Pair	45	45	12	12
PS ACR-F (dB)	7.2	7.2	10.7	10.7
Freq. (MHz)	4.8	4.8	249.5	250.0
Limit (dB)	47.7	47.7	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-78	36-45
ACR-N (dB)	7.9	6.9	29.8	25.9
Freq. (MHz)	14.3	14.6	239.0	197.5
Limit (dB)	48.8	48.5	5.4	9.9
Worst Pair	36	36	45	45
PS ACR-N (dB)	9.7	8.8	27.8	28.9
Freq. (MHz)	14.3	13.9	221.0	222.5
Limit (dB)	46.4	46.7	4.6	4.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	78	36	36
RL (dB)	1.4	1.4	2.3	3.9
Freq. (MHz)	23.4	12.6	231.0	231.5
Limit (dB)	19.2	20.5	10.4	10.4

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO50

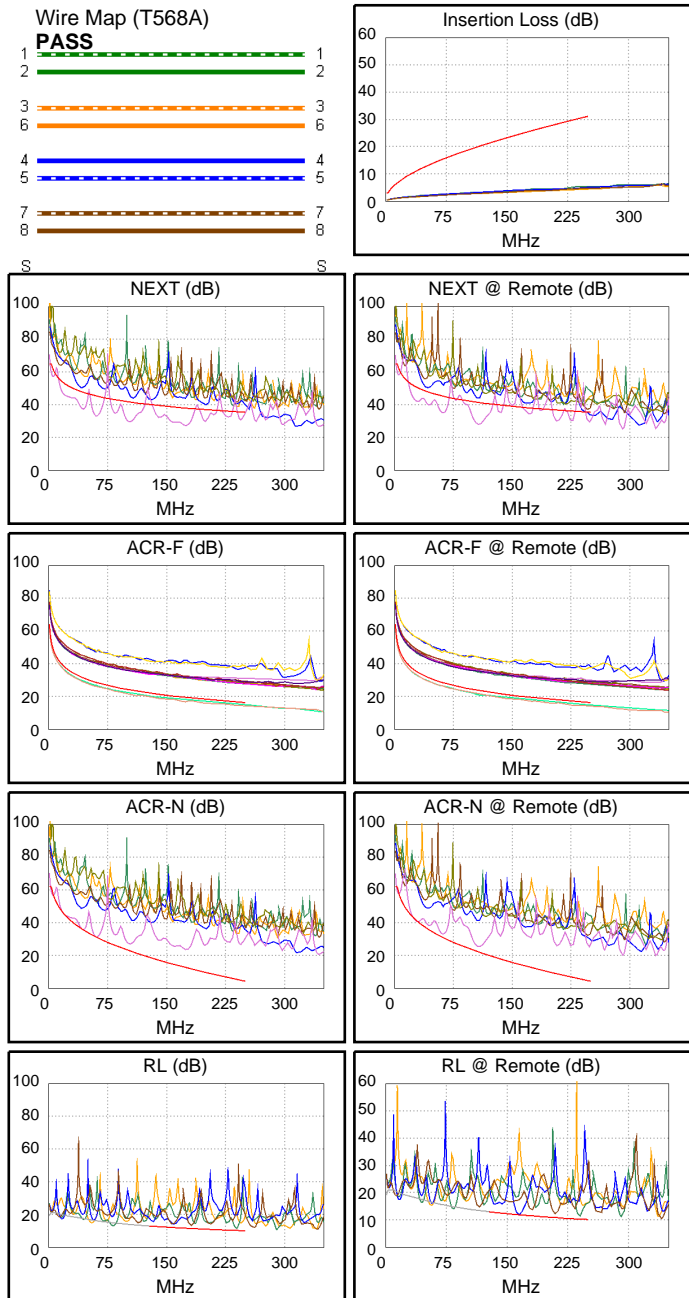
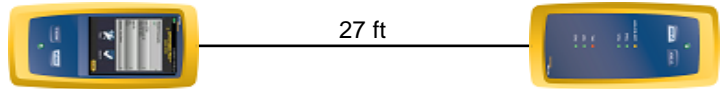
Date / Time: 10/10/2016 09:32:21 PM
Headroom -13.4 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	3.9
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	240.0
Limit (dB)	[Pair 36]	30.4



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.3F	-13.4F	-10.8	-13.3
Freq. (MHz)	60.3	107.0	174.0	108.0
Limit (dB)	45.4	41.4	37.9	41.3
Worst Pair	45	78	78	78
PS NEXT (dB)	-9.8F	-10.9F	-8.3	-10.9
Freq. (MHz)	60.3	108.0	174.0	108.0
Limit (dB)	42.9	38.8	35.3	38.8

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.0F	-2.7F	-2.2	-2.2
Freq. (MHz)	108.5	110.0	250.0	250.0
Limit (dB)	23.5	23.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.3F	0.1*	0.4	0.4
Freq. (MHz)	108.5	106.0	250.0	250.0
Limit (dB)	20.5	20.7	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.9	-2.6	11.0	21.0
Freq. (MHz)	3.6	3.5	175.5	249.0
Limit (dB)	61.4	61.7	12.5	4.3
Worst Pair	45	45	45	78
PS ACR-N (dB)	-0.5	-0.1	13.1	22.1
Freq. (MHz)	3.9	3.9	175.5	249.5
Limit (dB)	58.5	58.5	9.9	1.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36	36	36	36
RL (dB)	-1.6F	-0.8F	1.3	1.0
Freq. (MHz)	83.3	84.0	239.0	239.5
Limit (dB)	14.8	14.8	10.2	10.2

* Measurement is within the accuracy limits of the instrument.

Cable ID: REABILITACAO51

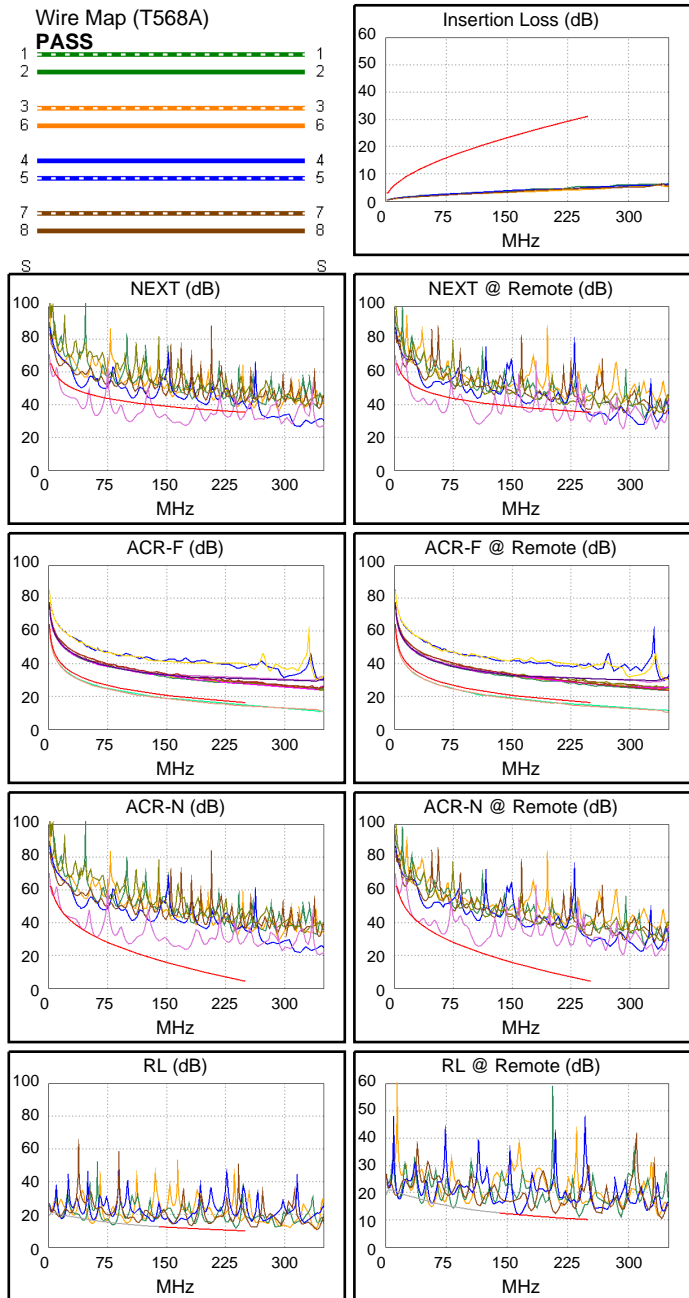
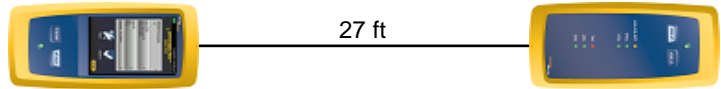
Date / Time: 10/10/2016 09:34:37 PM
Headroom -13.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.7
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	240.0
Limit (dB)	[Pair 36]	30.4



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.2 F	-13.2 F	-10.6	-13.2
Freq. (MHz)	60.3	108.0	175.0	108.0
Limit (dB)	45.4	41.3	37.9	41.3
Worst Pair	45	78	45	78
PS NEXT (dB)	-9.7 F	-10.8 F	-8.1	-4.7
Freq. (MHz)	60.8	108.0	175.0	249.5
Limit (dB)	42.9	38.8	35.3	32.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.0 F	-2.7 F	-2.3	-2.2
Freq. (MHz)	108.5	108.5	250.0	250.0
Limit (dB)	23.5	23.5	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.3 F	0.2*	0.3	0.4
Freq. (MHz)	108.5	227.0	250.0	250.0
Limit (dB)	20.5	14.1	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.9	-2.6	11.2	20.9
Freq. (MHz)	3.5	3.5	175.5	248.5
Limit (dB)	61.7	61.7	12.5	4.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	-0.5	-0.3	13.2	22.0
Freq. (MHz)	4.0	3.9	175.0	248.5
Limit (dB)	58.3	58.5	9.9	1.8

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36	45	36	36
RL (dB)	1.5	-0.1 F	1.5	0.9
Freq. (MHz)	239.0	165.5	239.0	239.5
Limit (dB)	10.2	11.8	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO52

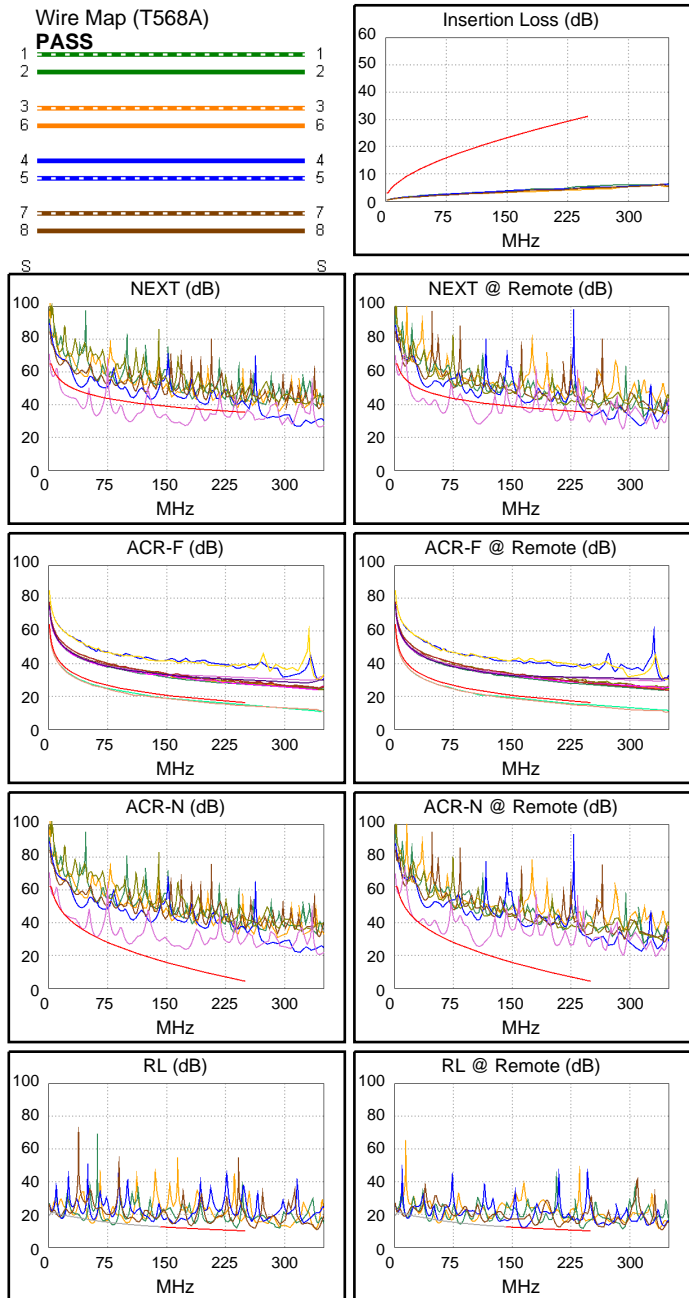
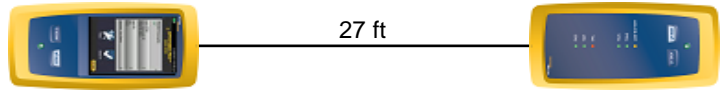
Date / Time: 10/10/2016 09:35:37 PM
Headroom -13.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.7
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.2 F	-13.2 F	-10.7	-13.2
Freq. (MHz)	60.5	108.0	174.0	108.0
Limit (dB)	45.4	41.3	37.9	41.3
Worst Pair	45	78	45	78
PS NEXT (dB)	-9.7 F	-10.8 F	-8.2	-4.7
Freq. (MHz)	60.5	108.0	174.0	248.5
Limit (dB)	42.9	38.8	35.3	32.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.0 F	-2.6 F	-2.2	-2.1
Freq. (MHz)	107.5	110.0	250.0	250.0
Limit (dB)	23.6	23.4	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.3 F	0.2*	0.4	0.4
Freq. (MHz)	107.5	145.0	250.0	249.0
Limit (dB)	20.6	18.0	13.2	13.3

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.9	-2.6	11.1	20.9
Freq. (MHz)	3.6	3.6	174.5	248.5
Limit (dB)	61.4	61.4	12.6	4.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	-0.5	0.0	13.1	22.1
Freq. (MHz)	4.0	4.0	174.5	248.5
Limit (dB)	58.3	58.3	10.0	1.8

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36	45	36	36
RL (dB)	1.5	-0.1 F	1.5	1.1
Freq. (MHz)	238.5	164.0	238.5	239.5
Limit (dB)	10.2	11.9	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO53

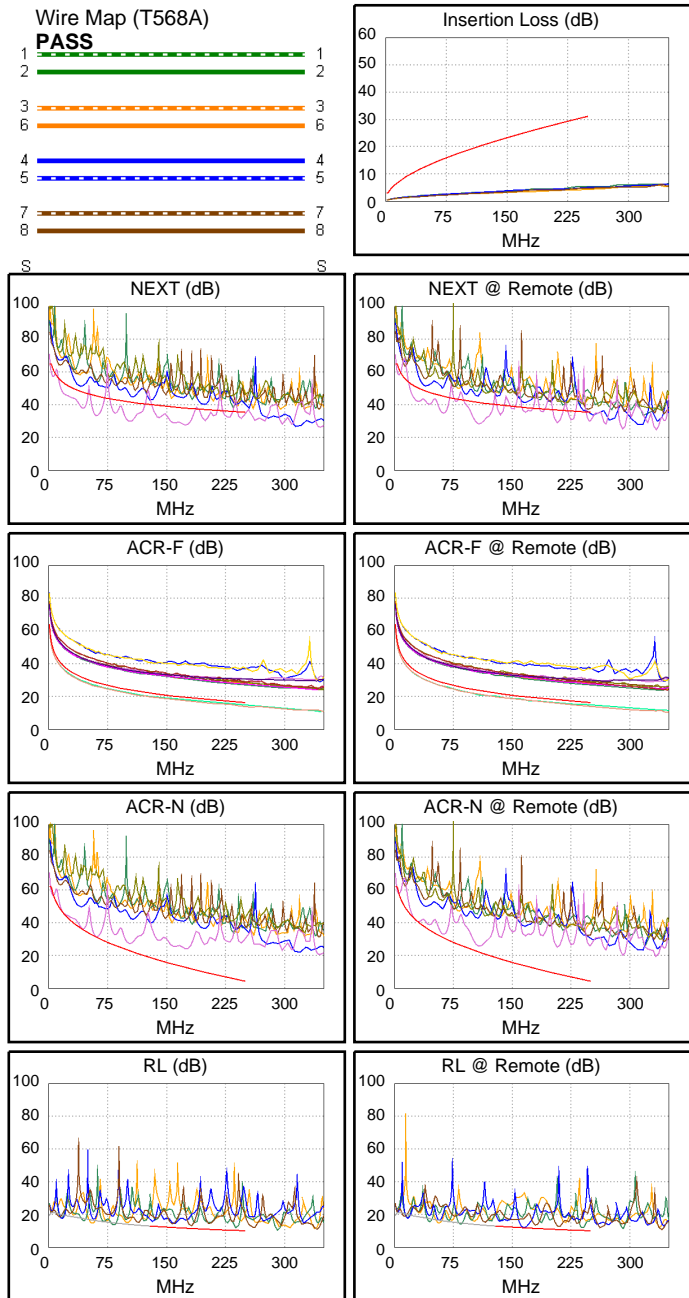
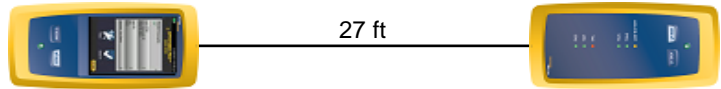
Date / Time: 10/10/2016 09:36:54 PM
Headroom -13.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.7
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.1 F	-13.1 F	-10.4	-13.0
Freq. (MHz)	61.5	107.0	175.0	108.5
Limit (dB)	45.3	41.4	37.9	41.3
Worst Pair	45	78	45	78
PS NEXT (dB)	-9.6 F	-10.6 F	-7.9	-10.5
Freq. (MHz)	61.5	108.0	175.0	108.5
Limit (dB)	42.8	38.8	35.3	38.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.1 F	-2.7 F	-2.4	-2.3
Freq. (MHz)	107.5	111.0	250.0	250.0
Limit (dB)	23.6	23.3	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.4 F	0.1*	0.3	0.4
Freq. (MHz)	107.5	145.0	250.0	250.0
Limit (dB)	20.6	18.0	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.7	-2.4	11.4	16.4
Freq. (MHz)	3.6	3.5	175.0	208.5
Limit (dB)	61.4	61.7	12.5	8.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	-0.4	0.0	13.4	22.5
Freq. (MHz)	4.0	4.0	175.0	249.0
Limit (dB)	58.3	58.3	9.9	1.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36	36	36	36
RL (dB)	-1.0 F	-0.7 F	1.7	1.5
Freq. (MHz)	84.0	84.0	239.0	240.0
Limit (dB)	14.8	14.8	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO54

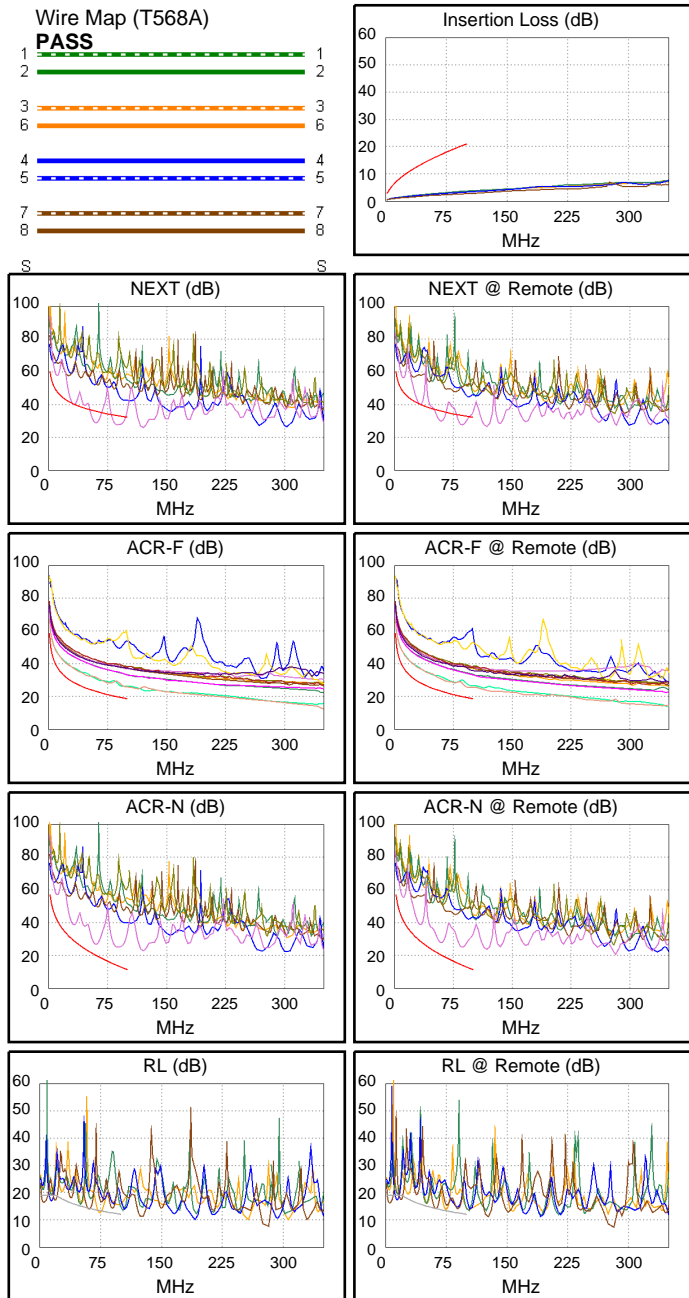
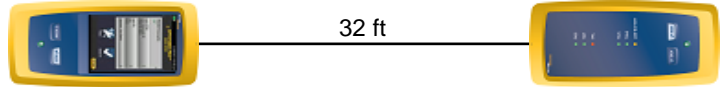
Date / Time: 10/10/2016 09:40:50 PM
Headroom -7.0 dB (NEXT 45-78)
 Test Limit: TIA 1005 Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

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]	32
Prop. Delay (ns), Limit 498	[Pair 36]	48
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	4.4
Insertion Loss Margin (dB)	[Pair 36]	17.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-7.0 F	-6.1 F	-5.5	-5.6
Freq. (MHz)	59.8	59.0	88.3	87.0
Limit (dB)	36.0	36.1	33.2	33.3
Worst Pair	45	45	45	45
PS NEXT (dB)	-4.0 F	-3.1 F	-2.5	-2.6
Freq. (MHz)	59.8	59.0	88.3	87.0
Limit (dB)	33.0	33.1	30.2	30.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	6.9	6.3	7.2	6.4
Freq. (MHz)	95.0	95.0	100.0	95.5
Limit (dB)	19.1	19.1	18.6	19.0
Worst Pair	45	45	45	45
PS ACR-F (dB)	9.1	8.6	9.3	8.8
Freq. (MHz)	98.3	95.0	100.0	97.0
Limit (dB)	15.8	16.1	15.6	15.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	6.6	7.5	11.4	11.2
Freq. (MHz)	59.5	59.0	88.3	87.0
Limit (dB)	20.2	20.3	13.6	13.9
Worst Pair	45	45	45	45
PS ACR-N (dB)	9.3	10.2	13.9	13.6
Freq. (MHz)	59.5	59.0	88.3	87.0
Limit (dB)	17.2	17.3	10.6	10.9

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-0.8 F	0.3*	-0.8	0.3
Freq. (MHz)	74.3	74.8	74.3	74.8
Limit (dB)	13.3	13.3	13.3	13.3

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO55

Date / Time: 10/10/2016 09:44:02 PM

Headroom -2.3 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: FAIL

Model: DSX-5000

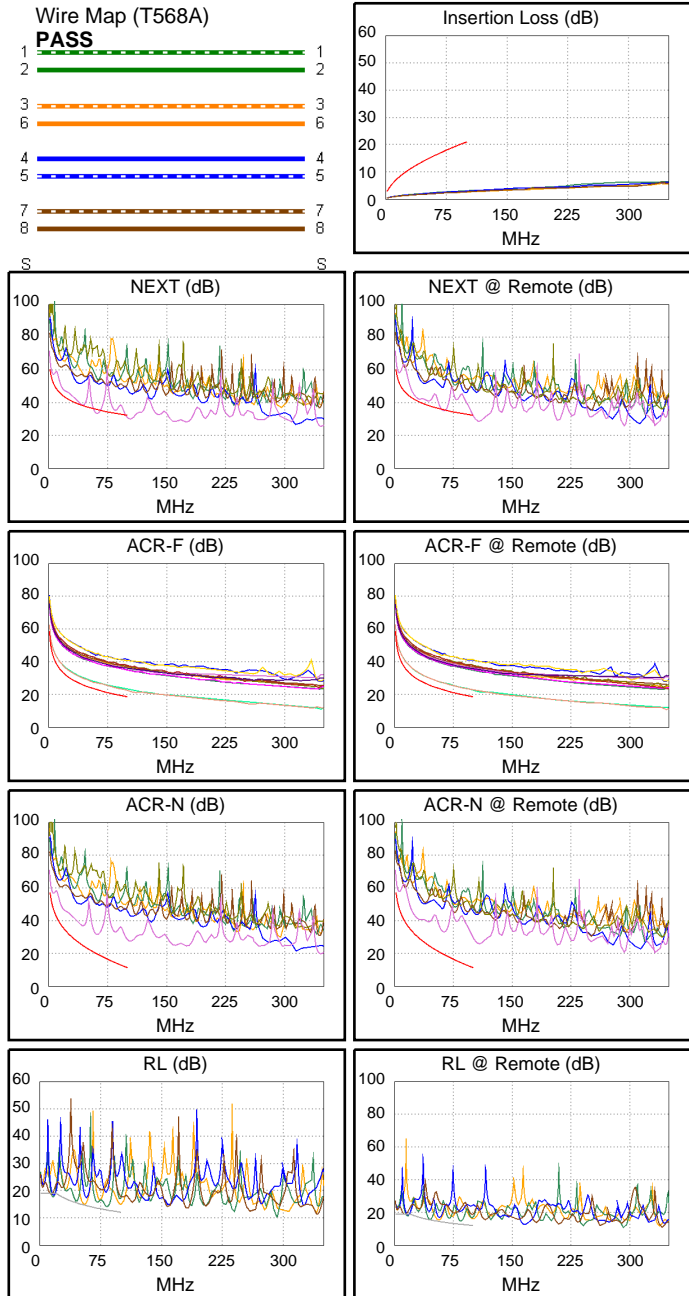
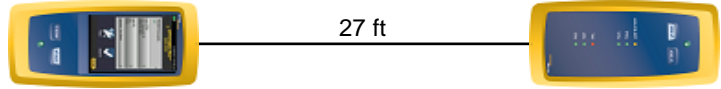
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.8
Insertion Loss Margin (dB)	[Pair 36]	18.0
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-2.3 F	-0.5 F	-1.2	0.1
Freq. (MHz)	61.5	63.0	100.0	100.0
Limit (dB)	35.8	35.6	32.3	32.3
Worst Pair	45	78	78	78
PS NEXT (dB)	0.6	2.3	1.7	2.9
Freq. (MHz)	61.5	62.3	100.0	100.0
Limit (dB)	32.8	32.7	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	3.8	4.0	3.9	4.1
Freq. (MHz)	57.3	1.3	100.0	100.0
Limit (dB)	23.5	56.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	6.5	6.6	6.5	6.8
Freq. (MHz)	100.0	85.5	100.0	100.0
Limit (dB)	15.6	17.0	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	7.3	7.8	17.2	18.5
Freq. (MHz)	2.6	2.9	100.0	100.0
Limit (dB)	54.4	53.7	11.3	11.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	10.2	10.5	20.0	21.2
Freq. (MHz)	3.1	3.1	100.0	100.0
Limit (dB)	50.0	50.0	8.3	8.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	12
RL (dB)	4.9	4.6	2.9	1.1
Freq. (MHz)	99.0	99.0	100.0	57.3
Limit (dB)	12.1	12.1	12.0	14.4

Cable ID: REABILITACAO56

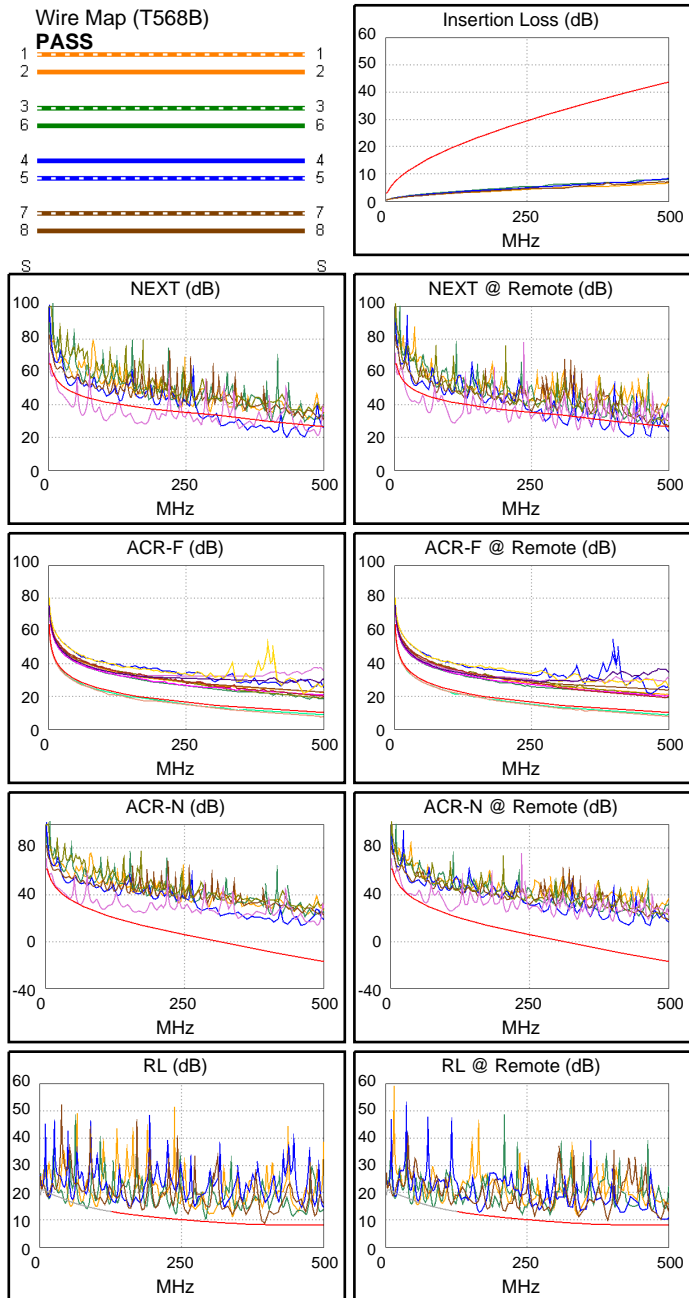
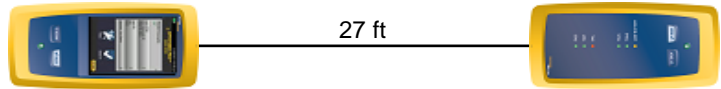
Date / Time: 10/10/2016 09:44:55 PM
Headroom -12.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6A Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.7
Insertion Loss Margin (dB)	[Pair 45]	35.6
Frequency (MHz)	[Pair 45]	500.0
Limit (dB)	[Pair 45]	43.8



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	12-78
NEXT (dB)	-11.8F	-12.7F	-8.4	-8.2
Freq. (MHz)	61.5	108.0	462.0	463.0
Limit (dB)	45.3	41.3	27.8	27.8
Worst Pair	45	45	78	78
PS NEXT (dB)	-9.4F	-10.3F	-6.1	-6.3
Freq. (MHz)	61.5	108.0	463.0	463.0
Limit (dB)	42.8	38.8	24.9	24.9
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	-2.9F	-2.6F	-2.9	-2.5
Freq. (MHz)	495.0	475.0	495.0	500.0
Limit (dB)	10.3	10.7	10.3	10.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.5F	-0.1F	-0.5	-0.1
Freq. (MHz)	495.0	500.0	495.0	500.0
Limit (dB)	7.3	7.2	7.3	7.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	12-78
ACR-N (dB)	-2.2	-1.7	26.9	27.0
Freq. (MHz)	3.6	3.5	463.0	463.0
Limit (dB)	61.4	61.7	-14.1	-14.1
Worst Pair	45	45	78	78
PS ACR-N (dB)	0.1	0.7	29.0	28.8
Freq. (MHz)	4.0	4.1	463.0	463.0
Limit (dB)	58.3	58.0	-16.9	-16.9
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	78
RL (dB)	-0.7F	0.0*	0.5	1.6
Freq. (MHz)	83.8	84.0	395.0	394.0
Limit (dB)	14.8	14.8	8.0	8.0

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO57

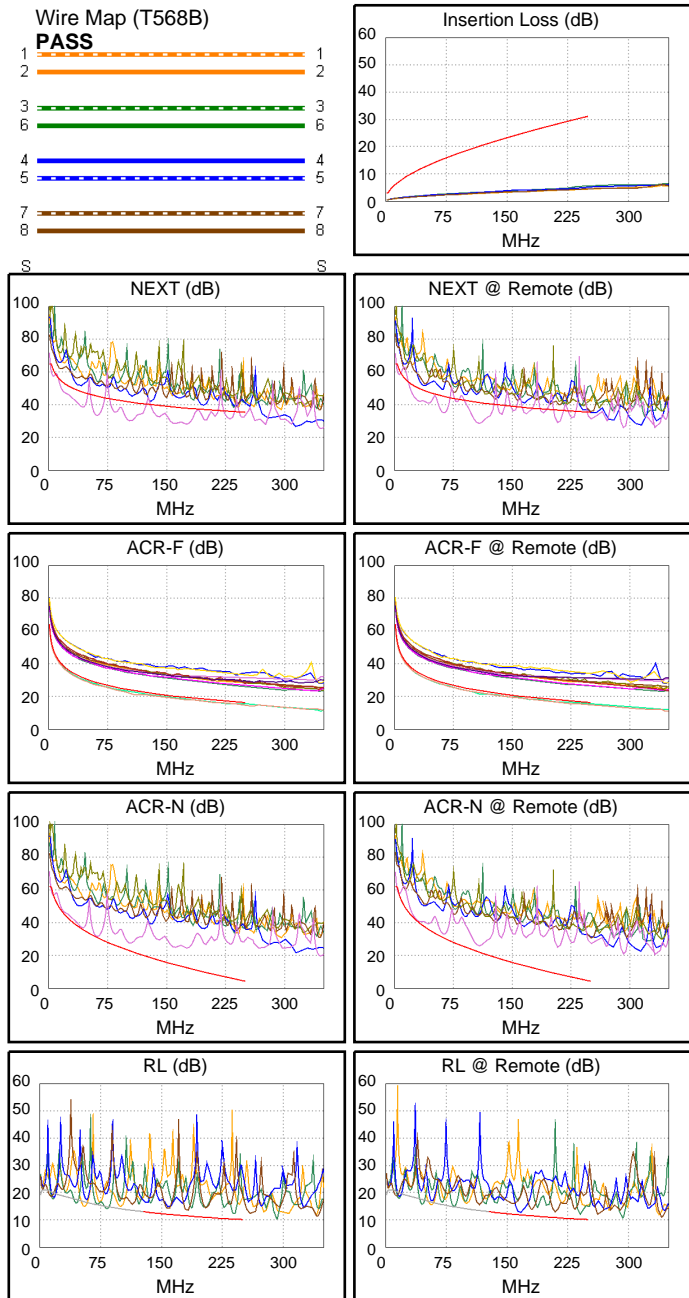
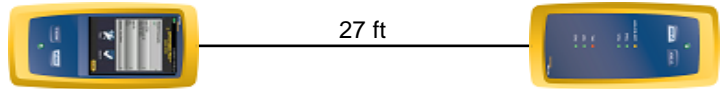
Date / Time: 10/10/2016 09:45:37 PM
Headroom -12.8 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	27
Prop. Delay (ns), Limit 498	[Pair 36]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.8
Insertion Loss Margin (dB)	[Pair 36]	24.9
Frequency (MHz)	[Pair 36]	240.5
Limit (dB)	[Pair 36]	30.4



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-11.8 F	-12.8 F	-9.7	-12.7
Freq. (MHz)	61.8	107.0	176.0	108.5
Limit (dB)	45.2	41.4	37.8	41.3
Worst Pair	45	45	45	45
PS NEXT (dB)	-9.4 F	-10.3 F	-7.2	-10.2
Freq. (MHz)	61.5	108.0	176.0	108.5
Limit (dB)	42.8	38.8	35.2	38.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-2.3 F	-2.0 F	-1.6	-1.4
Freq. (MHz)	108.5	108.5	250.0	250.0
Limit (dB)	23.5	23.5	16.2	16.2
Worst Pair	45	78	45	45
PS ACR-F (dB)	0.4*	0.7*	0.9	1.1
Freq. (MHz)	108.5	108.5	250.0	250.0
Limit (dB)	20.5	20.5	13.2	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.3	-1.7	12.3	16.3
Freq. (MHz)	3.5	3.6	177.5	209.0
Limit (dB)	61.7	61.4	12.2	8.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.2	0.6	14.1	18.5
Freq. (MHz)	4.3	4.0	176.0	209.5
Limit (dB)	57.8	58.3	9.8	5.9

	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36	45	36	36
RL (dB)	1.9	0.9*	1.9	1.7
Freq. (MHz)	239.5	167.0	239.5	241.0
Limit (dB)	10.2	11.8	10.2	10.2

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO58

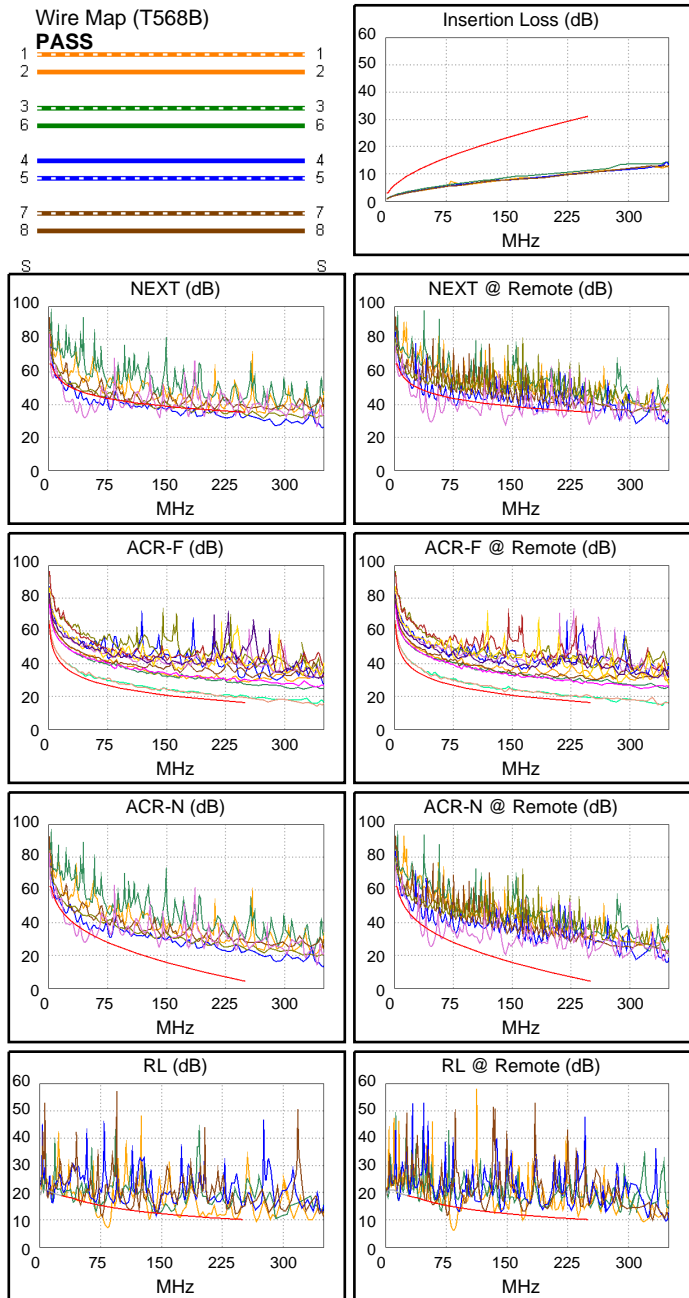
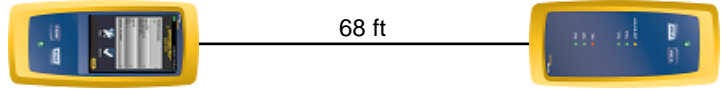
Date / Time: 10/10/2016 09:48:55 PM
Headroom -17.9 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	68
Prop. Delay (ns), Limit 498	[Pair 36]	102
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	7.7
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
NEXT (dB)	-15.4 F	-17.9 F	-3.7	-11.7
Freq. (MHz)	45.5	46.0	246.5	141.5
Limit (dB)	47.4	47.3	35.4	39.4
Worst Pair	78	78	78	78
PS NEXT (dB)	-13.3 F	-15.5 F	-3.9	-5.2
Freq. (MHz)	45.8	46.3	228.0	248.5
Limit (dB)	44.9	44.8	33.4	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	45-78
ACR-F (dB)	1.6	1.5	3.1	2.9
Freq. (MHz)	46.8	46.8	250.0	247.5
Limit (dB)	30.8	30.8	16.2	16.3
Worst Pair	78	45	45	78
PS ACR-F (dB)	4.5	4.2	5.5	5.9
Freq. (MHz)	46.8	46.8	250.0	247.5
Limit (dB)	27.8	27.8	13.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-78	45-78
ACR-N (dB)	-7.1	-9.6	16.8	13.6
Freq. (MHz)	45.5	46.3	246.5	249.0
Limit (dB)	35.2	35.0	4.6	4.3
Worst Pair	78	45	78	78
PS ACR-N (dB)	-5.1	-7.2	17.6	15.5
Freq. (MHz)	45.0	46.5	247.5	248.5
Limit (dB)	32.9	32.5	1.9	1.8

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-7.7 F	-8.7 F	-7.6	-8.6
Freq. (MHz)	84.0	84.0	84.5	84.5
Limit (dB)	14.8	14.8	14.7	14.7



Cable ID: REABILITACAO59

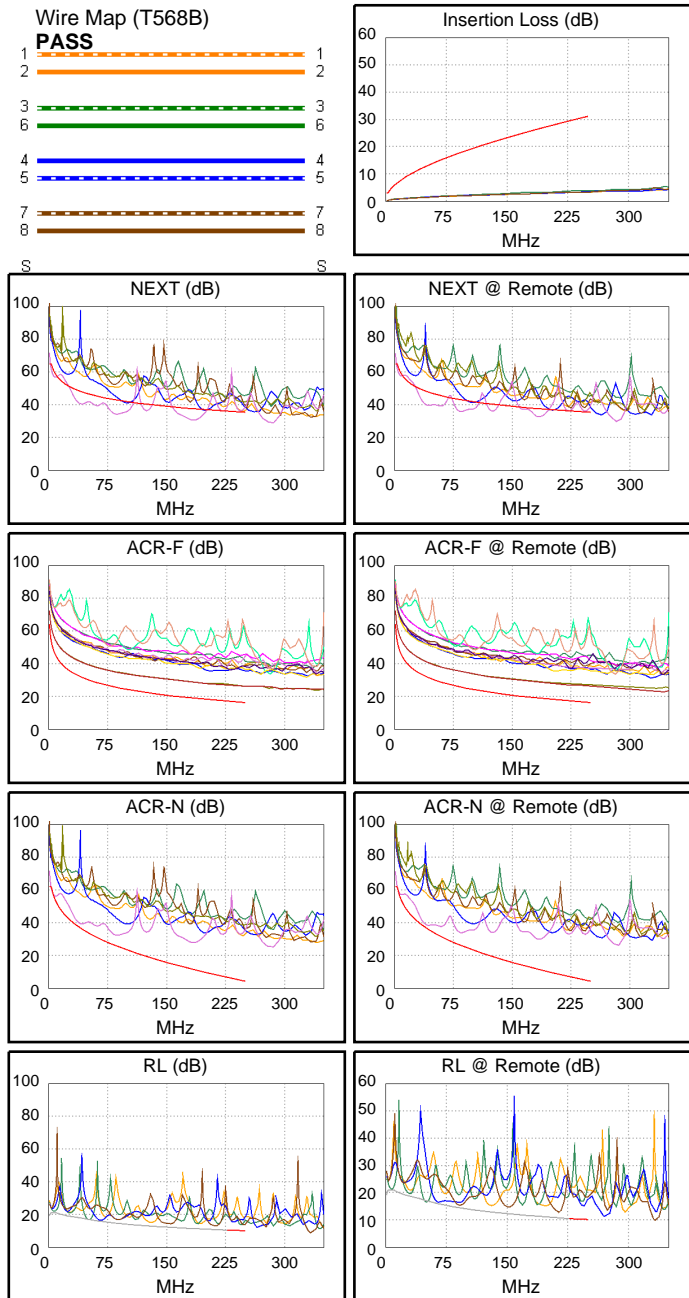
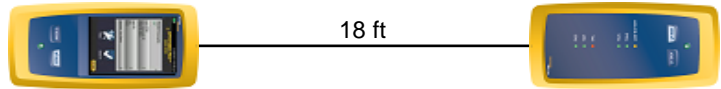
Date / Time: 10/20/2016 04:48:20 PM
Headroom -8.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	18
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.6
Insertion Loss Margin (dB)	[Pair 36]	26.7
Frequency (MHz)	[Pair 36]	243.0
Limit (dB)	[Pair 36]	30.6



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-8.7 F	-8.3 F	-6.9	-4.8
Freq. (MHz)	85.3	41.8	184.0	185.5
Limit (dB)	43.0	48.0	37.5	37.5
Worst Pair	78	45	45	78
PS NEXT (dB)	-6.5 F	-5.8 F	-4.8	-2.7
Freq. (MHz)	86.3	42.0	183.0	185.5
Limit (dB)	40.4	45.5	35.0	34.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	8.5	8.5	10.0	9.7
Freq. (MHz)	2.0	2.1	250.0	250.0
Limit (dB)	58.2	57.6	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	10.8	10.8	12.5	12.0
Freq. (MHz)	1.0	1.1	250.0	242.5
Limit (dB)	61.2	60.2	13.2	13.5
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-0.8	-0.2	16.4	18.6
Freq. (MHz)	3.6	3.5	184.0	185.5
Limit (dB)	61.4	61.7	11.4	11.3
Worst Pair	78	45	45	78
PS ACR-N (dB)	1.5	2.3	18.5	20.7
Freq. (MHz)	4.0	4.0	183.0	185.5
Limit (dB)	58.3	58.3	9.0	8.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	2.4	2.0	2.4	2.0
Freq. (MHz)	213.0	214.5	213.0	214.5
Limit (dB)	10.7	10.7	10.7	10.7



Cable ID: REABILITACAO6

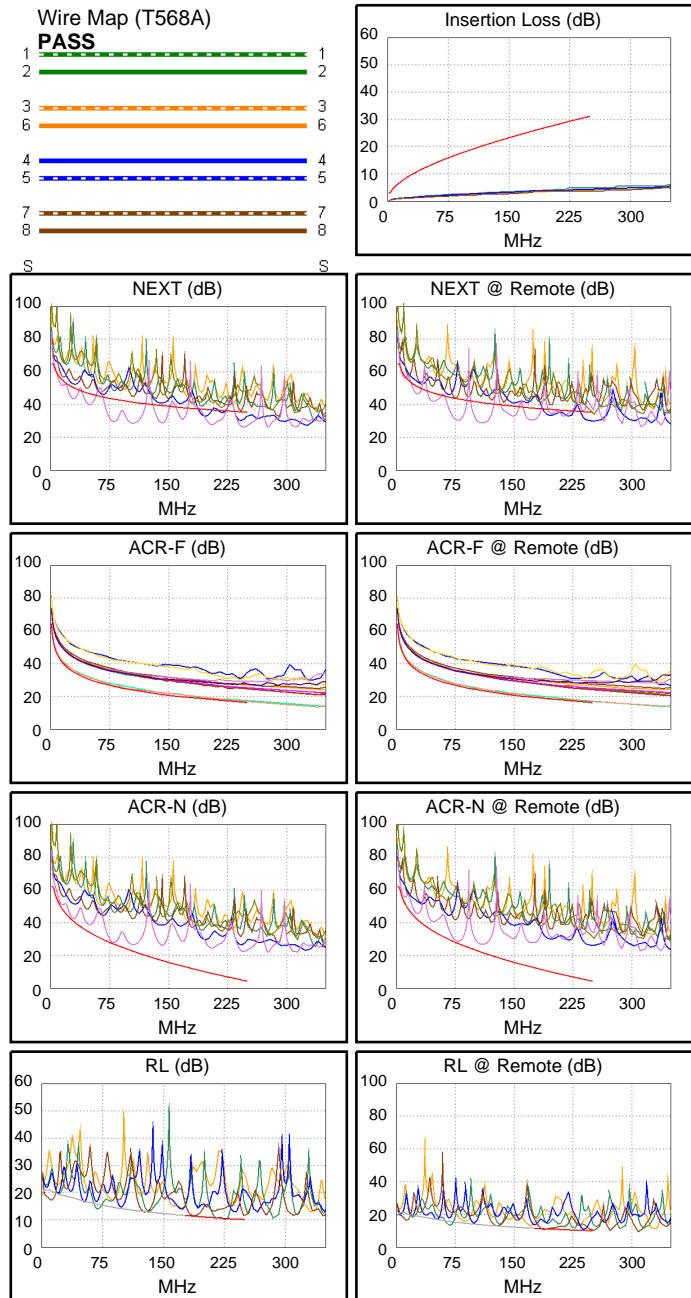
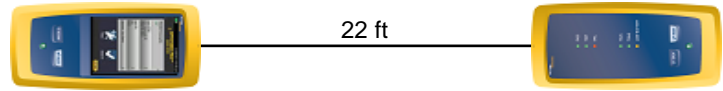
Date / Time: 10/10/2016 08:00:50 PM
Headroom -13.8 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	22
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	3.1
Insertion Loss Margin (dB)	[Pair 36]	24.5
Frequency (MHz)	[Pair 36]	229.0
Limit (dB)	[Pair 36]	29.6



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.8 F	-13.1 F	-9.1	-12.4
Freq. (MHz)	80.5	78.3	246.5	109.5
Limit (dB)	43.4	43.6	35.4	41.2
Worst Pair	45	45	78	78
PS NEXT (dB)	-11.4 F	-10.8 F	-8.0	-4.5
Freq. (MHz)	80.5	77.0	244.0	250.0
Limit (dB)	40.9	41.2	32.9	32.7
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	0.1*	-0.2 F	0.4	0.5
Freq. (MHz)	98.0	198.0	240.0	250.0
Limit (dB)	24.4	18.3	16.6	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.0	1.7	2.2	2.4
Freq. (MHz)	98.0	198.0	240.0	250.0
Limit (dB)	21.4	15.3	13.6	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-78
ACR-N (dB)	0.8	1.2	17.8	22.1
Freq. (MHz)	80.0	77.0	246.5	250.0
Limit (dB)	27.0	27.6	4.6	4.2
Worst Pair	45	45	78	78
PS ACR-N (dB)	2.8	3.1	18.8	22.7
Freq. (MHz)	80.0	77.0	244.0	250.0
Limit (dB)	24.5	25.1	2.2	1.6
FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	-0.5 F	-0.6 F	-0.4	0.5
Freq. (MHz)	226.0	188.0	227.0	250.0
Limit (dB)	10.5	11.3	10.4	10.0

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO60

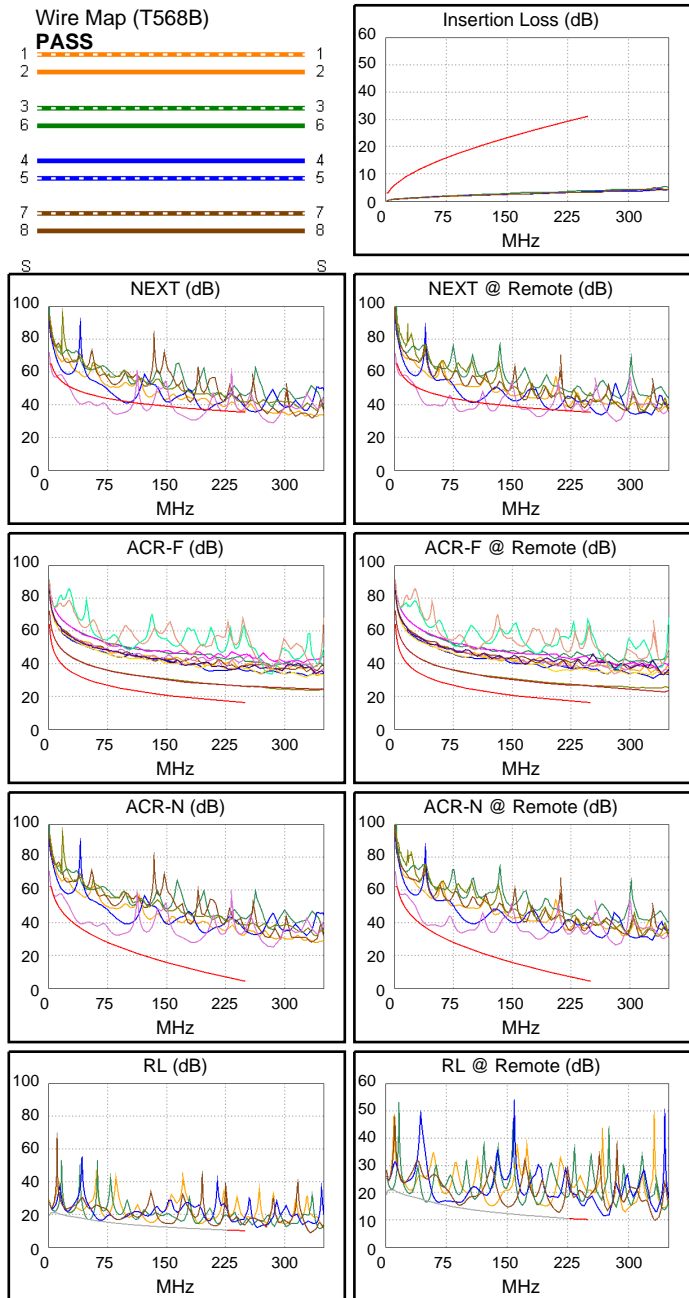
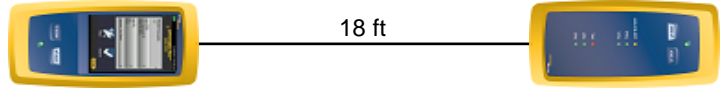
Date / Time: 10/20/2016 04:53:29 PM
Headroom -8.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	18
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.6
Insertion Loss Margin (dB)	[Pair 36]	26.7
Frequency (MHz)	[Pair 36]	243.0
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-8.7 F	-8.3 F	-6.9	-4.8
Freq. (MHz)	85.3	41.8	184.5	185.5
Limit (dB)	43.0	48.0	37.5	37.5
Worst Pair	78	45	45	78
PS NEXT (dB)	-6.5 F	-5.8 F	-4.8	-2.7
Freq. (MHz)	86.3	42.5	183.0	185.5
Limit (dB)	40.4	45.4	35.0	34.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
ACR-F (dB)	8.5	8.5	9.9	9.7
Freq. (MHz)	2.0	2.0	250.0	250.0
Limit (dB)	58.2	58.2	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	10.8	10.9	12.4	11.9
Freq. (MHz)	1.1	1.5	250.0	242.5
Limit (dB)	60.2	57.7	13.2	13.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-0.9	-0.2	16.4	18.6
Freq. (MHz)	3.5	3.5	184.5	185.5
Limit (dB)	61.7	61.7	11.4	11.3
Worst Pair	78	45	45	78
PS ACR-N (dB)	1.5	2.2	18.5	20.7
Freq. (MHz)	4.0	4.0	183.0	185.5
Limit (dB)	58.3	58.3	9.0	8.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	2.4	2.0	2.4	2.0
Freq. (MHz)	213.5	214.5	213.5	214.5
Limit (dB)	10.7	10.7	10.7	10.7



Cable ID: REABILITACAO61

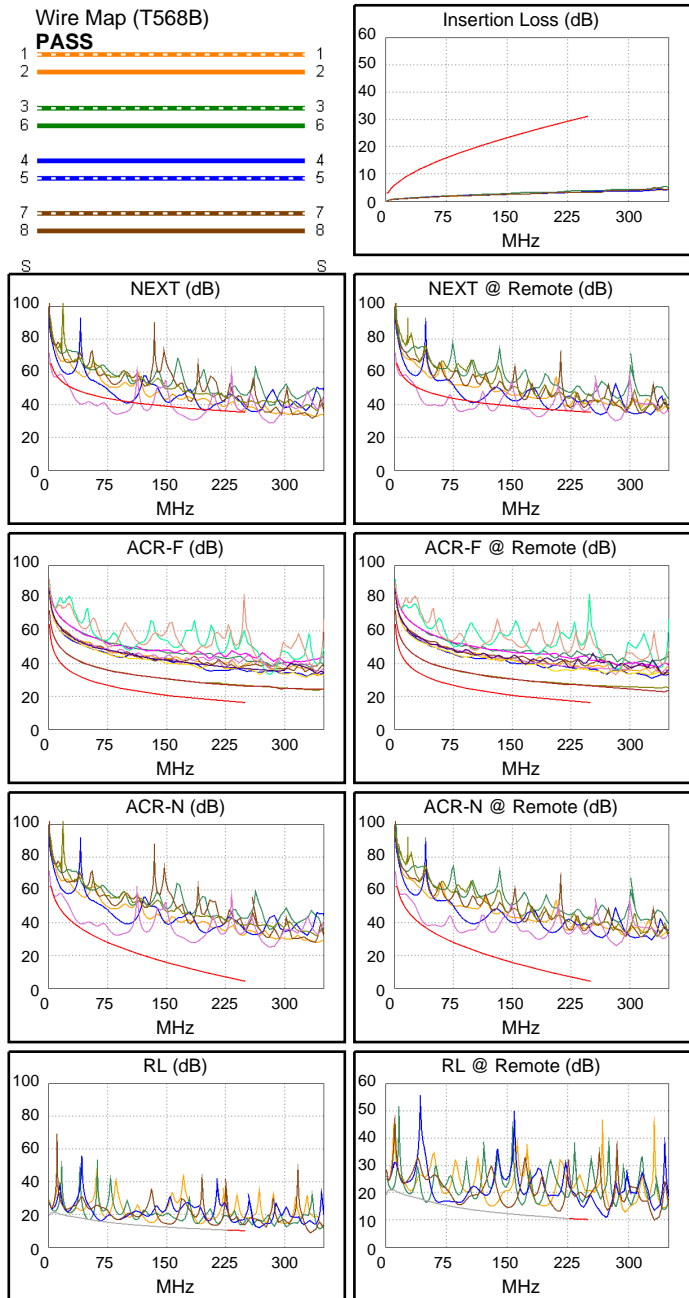
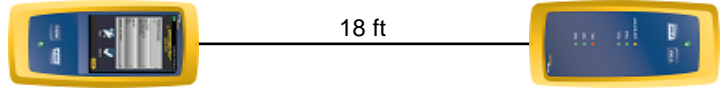
Date / Time: 10/20/2016 04:54:52 PM
Headroom -8.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	18
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.7
Insertion Loss Margin (dB)	[Pair 36]	26.7
Frequency (MHz)	[Pair 36]	243.0
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-8.7 F	-8.3 F	-6.9	-4.9
Freq. (MHz)	85.3	42.3	185.0	185.0
Limit (dB)	43.0	47.9	37.5	37.5
Worst Pair	78	45	45	78
PS NEXT (dB)	-6.5 F	-5.9 F	-4.8	-2.8
Freq. (MHz)	86.3	42.0	182.5	185.0
Limit (dB)	40.4	45.5	35.0	34.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	8.6	8.6	10.0	9.7
Freq. (MHz)	2.0	2.0	250.0	250.0
Limit (dB)	58.2	58.2	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	11.0	11.1	12.6	12.4
Freq. (MHz)	1.5	1.6	250.0	250.0
Limit (dB)	57.7	57.0	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-0.9	-0.1	16.5	18.5
Freq. (MHz)	3.5	3.8	185.0	185.0
Limit (dB)	61.7	61.1	11.3	11.3
Worst Pair	78	45	45	78
PS ACR-N (dB)	1.5	2.3	18.5	20.6
Freq. (MHz)	4.0	4.0	182.5	185.0
Limit (dB)	58.3	58.3	9.0	8.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	2.5	2.2	2.5	2.2
Freq. (MHz)	212.0	214.0	212.0	214.0
Limit (dB)	10.7	10.7	10.7	10.7



Cable ID: REABILITACAO62

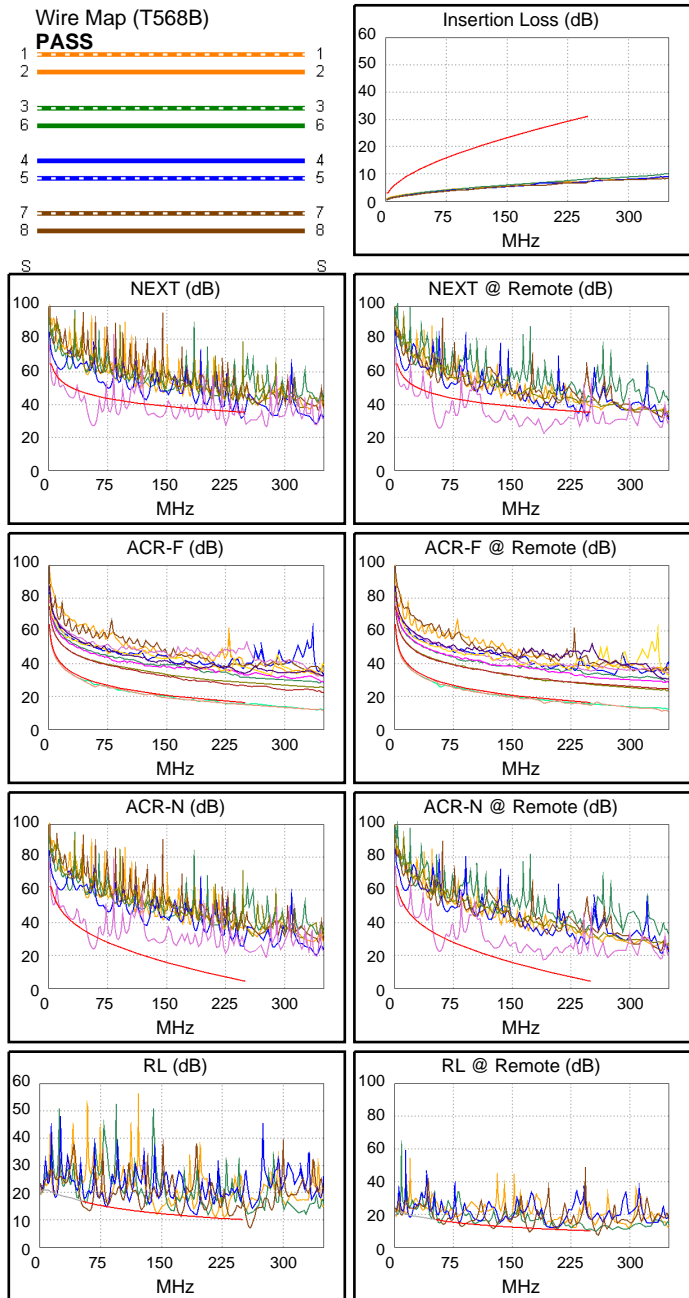
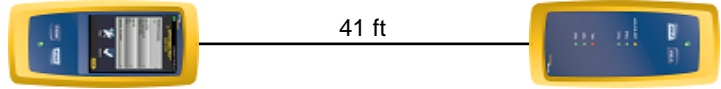
Date / Time: 10/20/2016 06:13:31 PM
Headroom -20.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 45]	41
Prop. Delay (ns), Limit 498	[Pair 36]	62
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 12]	16.9
Insertion Loss Margin (dB)	[Pair 36]	23.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-18.7 F	-20.2 F	-18.6	-14.7
Freq. (MHz)	57.3	57.3	57.5	191.5
Limit (dB)	45.8	45.8	45.7	37.2
Worst Pair	45	45	45	45
PS NEXT (dB)	-16.3 F	-17.7 F	-16.1	-12.2
Freq. (MHz)	56.5	57.3	57.5	191.5
Limit (dB)	43.4	43.3	43.2	34.6
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-3.0 F	-3.0 F	-1.7	-1.5
Freq. (MHz)	58.3	58.3	250.0	250.0
Limit (dB)	28.9	28.9	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	-0.1 F	0.0*	1.0	1.2
Freq. (MHz)	58.3	191.0	250.0	250.0
Limit (dB)	25.9	15.6	13.2	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-8.2	-9.6	14.2	6.3
Freq. (MHz)	56.8	57.0	225.5	191.5
Limit (dB)	32.2	32.1	6.8	10.6
Worst Pair	45	45	78	45
PS ACR-N (dB)	-5.8	-7.1	16.8	7.9
Freq. (MHz)	56.0	57.0	225.5	191.5
Limit (dB)	29.9	29.6	4.1	7.9
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	-2.9 F	-2.4 F	0.1	-2.4
Freq. (MHz)	60.8	173.0	228.0	173.0
Limit (dB)	16.2	11.6	10.4	11.6

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO63

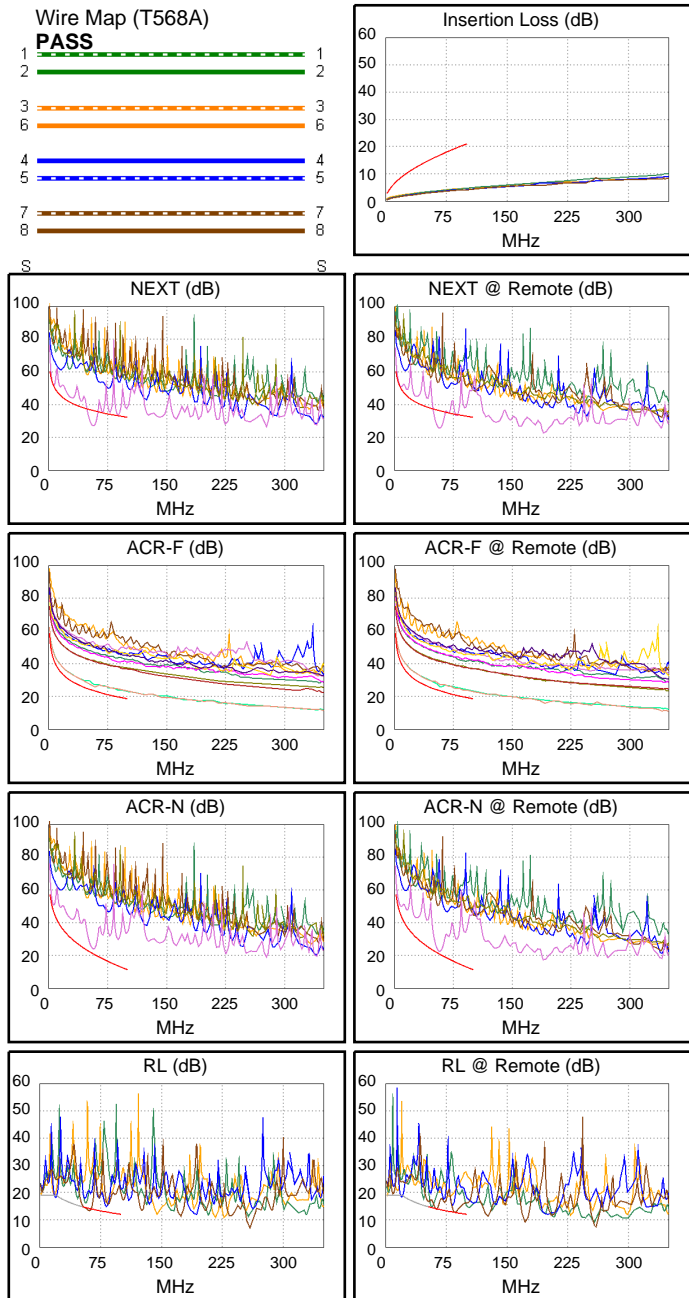
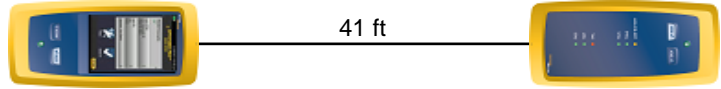
Date / Time: 10/20/2016 06:14:21 PM
Headroom -10.7 dB (NEXT 45-78)
 Test Limit: TIA 1005 Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

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]	41
Prop. Delay (ns), Limit 498	[Pair 36]	62
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 12]	16.8
Insertion Loss Margin (dB)	[Pair 36]	16.3
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-9.3F	-10.7F	-9.1	-10.6
Freq. (MHz)	56.5	57.3	57.5	58.0
Limit (dB)	36.4	36.3	36.2	36.2
Worst Pair	45	45	45	45
PS NEXT (dB)	-6.3F	-7.7F	-6.1	-7.6
Freq. (MHz)	56.5	57.3	57.5	58.0
Limit (dB)	33.4	33.3	33.2	33.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	78-45
ACR-F (dB)	2.6	2.6	4.4	4.3
Freq. (MHz)	58.5	58.5	100.0	100.0
Limit (dB)	23.3	23.3	18.6	18.6
Worst Pair	45	78	78	45
PS ACR-F (dB)	5.5	5.6	7.4	7.0
Freq. (MHz)	58.5	58.5	100.0	100.0
Limit (dB)	20.3	20.3	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	3.0	1.6	3.4	1.8
Freq. (MHz)	56.5	56.5	57.8	58.0
Limit (dB)	21.0	21.0	20.6	20.6
Worst Pair	45	45	45	78
PS ACR-N (dB)	6.0	4.6	6.3	4.8
Freq. (MHz)	56.5	56.5	57.5	58.0
Limit (dB)	18.0	18.0	17.7	17.6

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-0.9F	-0.2F	-0.8	0.0
Freq. (MHz)	61.0	62.5	62.0	86.3
Limit (dB)	14.2	14.1	14.1	12.7



Cable ID: REABILITACAO64

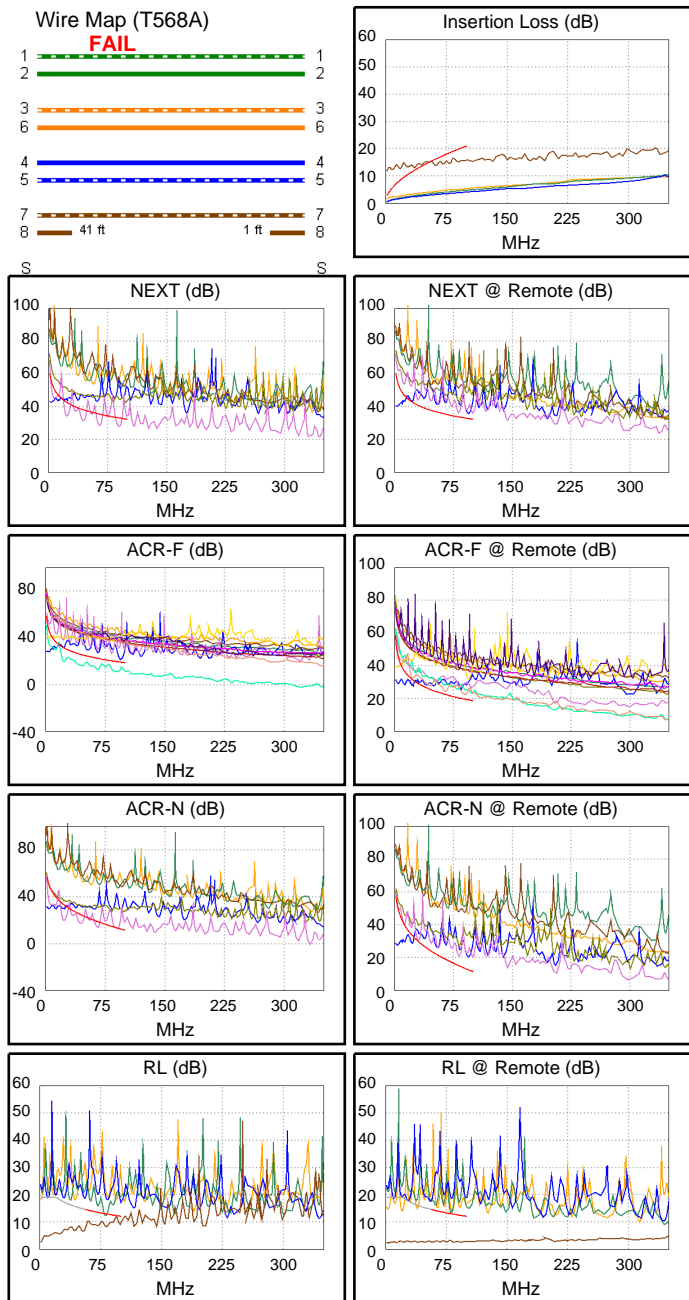
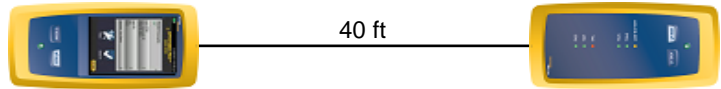
Date / Time: 10/20/2016 06:18:56 PM
Headroom -19.7 dB (NEXT 12-78)
 Test Limit: TIA 1005 Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

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]	40
Prop. Delay (ns), Limit 498	[Pair 12]	4441 F
Delay Skew (ns), Limit 44	[Pair 12]	4382 F
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-9.3 F
Frequency (MHz)	[Pair 78]	3.4
Limit (dB)	[Pair 78]	3.6



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	45-78	45-78
NEXT (dB)	-17.0 F	-19.7 F	-5.0	3.4
Freq. (MHz)	1.9	1.9	90.3	100.0
Limit (dB)	60.0	60.0	33.0	32.3
Worst Pair	78	12	78	78
PS NEXT (dB)	-14.1 F	-16.7 F	-2.1	4.1
Freq. (MHz)	1.9	1.9	90.3	93.0
Limit (dB)	57.0	57.0	30.0	29.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	45-78	78-45
ACR-F (dB)	-29.8 F	-27.0 F	-8.5	2.8
Freq. (MHz)	1.0	1.0	91.0	90.8
Limit (dB)	58.6	58.6	19.4	19.5
Worst Pair	78	78	78	78
PS ACR-F (dB)	-26.8 F	-24.0 F	-5.7	5.6
Freq. (MHz)	1.0	1.0	91.0	98.3
Limit (dB)	55.6	55.6	16.4	15.8
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	45-78	12-78
ACR-N (dB)	-26.0	-28.7	-0.4	7.6
Freq. (MHz)	1.9	1.9	90.3	94.0
Limit (dB)	57.0	57.0	13.2	12.5
Worst Pair	78	78	78	78
PS ACR-N (dB)	-23.1	-25.7	2.5	8.9
Freq. (MHz)	1.9	1.9	90.3	94.0
Limit (dB)	54.0	54.0	10.2	9.5
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-16.5 F	-16.9 F	-16.5	-16.9
Freq. (MHz)	1.0	3.4	1.0	3.4
Limit (dB)	19.0	19.0	19.0	19.0



Cable ID: REABILITACAO65

Date / Time: 10/20/2016 06:20:04 PM

Headroom -7.0 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

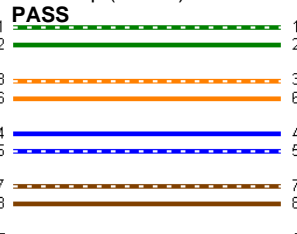
Length (ft), Limit 295	[Pair 12]	65
Prop. Delay (ns), Limit 498	[Pair 36]	97
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	8.4
Insertion Loss Margin (dB)	[Pair 12]	11.0
Frequency (MHz)	[Pair 12]	82.8
Limit (dB)	[Pair 12]	18.9



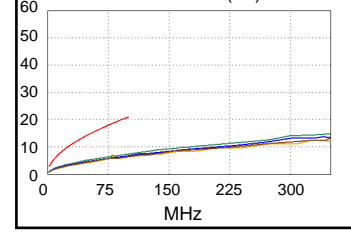
65 ft



Wire Map (T568A)

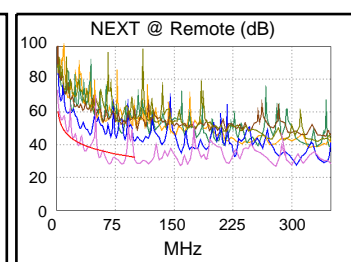
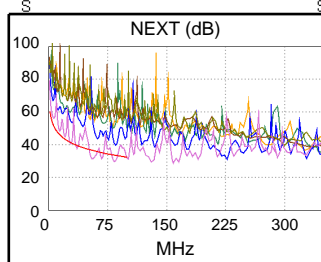


Insertion Loss (dB)

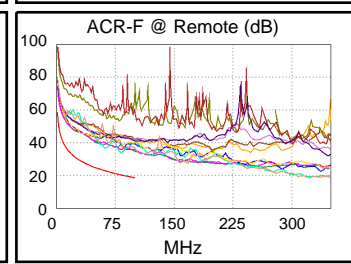
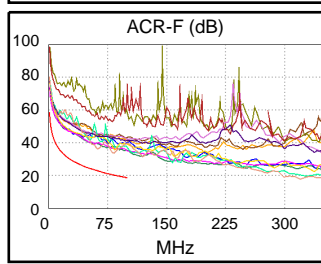


Worst Case Margin Worst Case Value

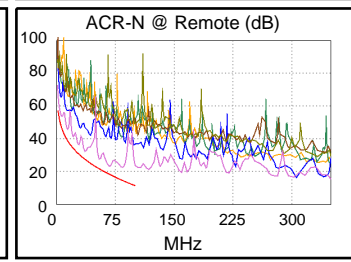
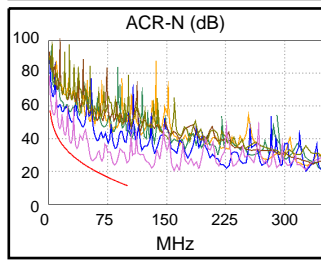
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.3F	-7.0F	-3.8	-7.0
Freq. (MHz)	55.0	67.8	84.3	67.8
Limit (dB)	36.6	35.1	33.5	35.1
Worst Pair	45	78	78	78
PS NEXT (dB)	-2.3F	-4.1F	-1.2	-4.1
Freq. (MHz)	55.0	67.8	84.3	67.8
Limit (dB)	33.6	32.1	30.5	32.1



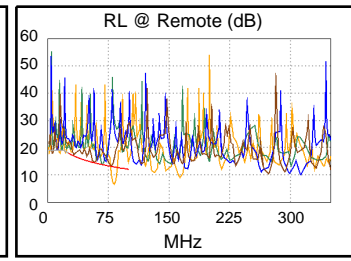
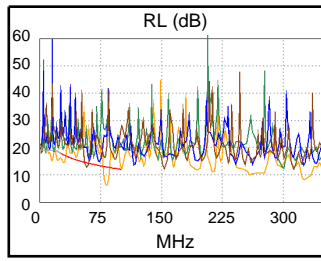
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	13.3	13.6	13.4	13.7
Freq. (MHz)	82.8	82.8	83.0	83.0
Limit (dB)	20.3	20.3	20.2	20.2
Worst Pair	45	78	45	78
PS ACR-F (dB)	14.8	15.0	14.9	15.0
Freq. (MHz)	82.8	83.3	83.0	83.3
Limit (dB)	17.3	17.2	17.2	17.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	5.2	4.8	9.6	8.1
Freq. (MHz)	55.5	67.5	84.3	84.3
Limit (dB)	21.3	18.2	14.4	14.4
Worst Pair	45	45	45	45
PS ACR-N (dB)	8.0	7.4	12.2	10.6
Freq. (MHz)	55.0	66.8	84.3	84.3
Limit (dB)	18.4	15.4	11.4	11.4



FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-6.9F	-6.5F	-6.9	-6.5
Freq. (MHz)	82.3	82.0	82.3	82.0
Limit (dB)	12.9	12.9	12.9	12.9





Cable ID: REABILITACAO66

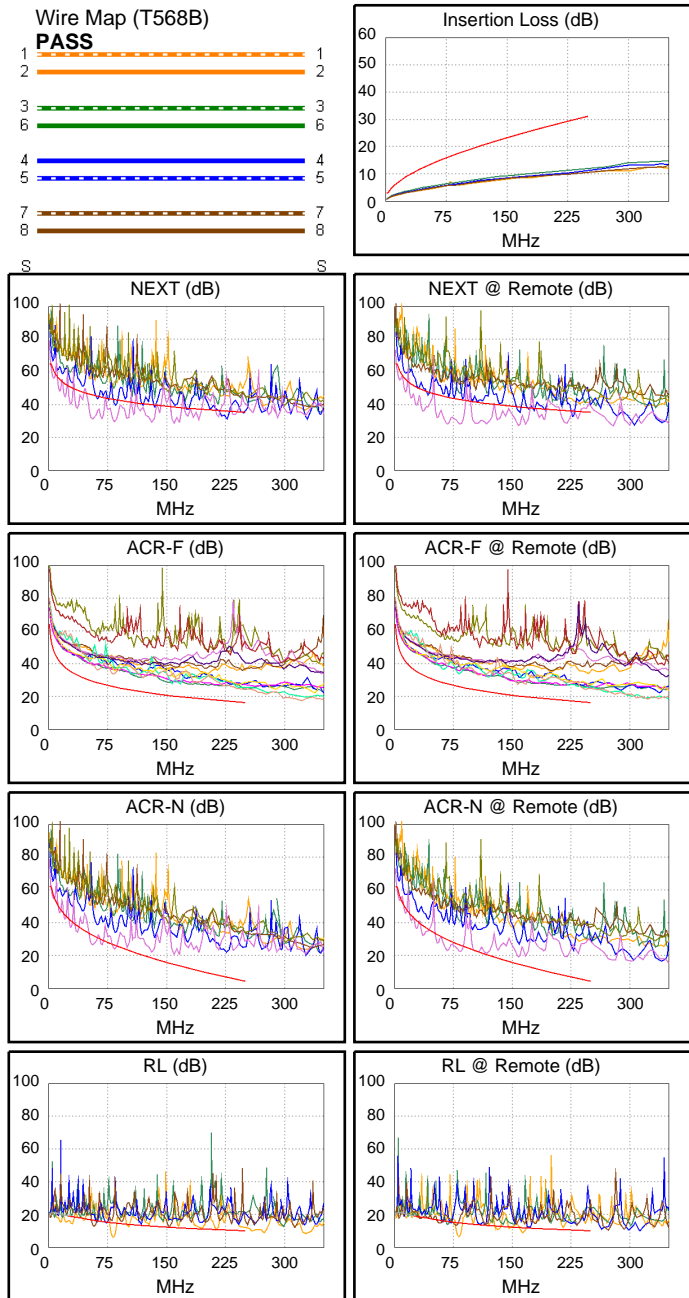
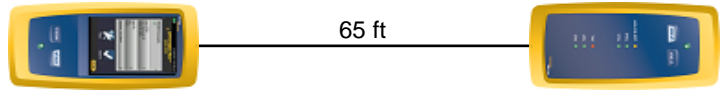
Date / Time: 10/20/2016 06:20:27 PM
Headroom -16.5 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 12]	65
Prop. Delay (ns), Limit 498	[Pair 36]	97
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	8.6
Insertion Loss Margin (dB)	[Pair 36]	18.2
Frequency (MHz)	[Pair 36]	238.0
Limit (dB)	[Pair 36]	30.2



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-14.7 F	-16.5 F	-10.0	-11.4
Freq. (MHz)	55.5	67.8	159.0	159.0
Limit (dB)	46.0	44.6	38.6	38.6
Worst Pair	45	78	78	78
PS NEXT (dB)	-12.3 F	-14.1 F	-7.6	-9.5
Freq. (MHz)	55.0	67.8	159.5	159.0
Limit (dB)	43.6	42.1	36.0	36.0
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	7.5	7.2	8.0	7.8
Freq. (MHz)	157.0	166.5	247.5	244.0
Limit (dB)	20.3	19.8	16.3	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	8.2	7.7	8.2	8.6
Freq. (MHz)	248.5	157.0	248.5	244.0
Limit (dB)	13.3	17.3	13.3	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-6.0	-6.7	6.0	11.2
Freq. (MHz)	55.5	67.3	159.0	219.0
Limit (dB)	32.5	29.7	14.5	7.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	-3.7	-4.5	7.8	13.5
Freq. (MHz)	55.3	67.5	159.0	219.0
Limit (dB)	30.1	27.1	12.0	4.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-8.8 F	-8.5 F	-8.7	-8.5
Freq. (MHz)	82.0	82.0	82.5	82.0
Limit (dB)	14.9	14.9	14.8	14.9



Cable ID: REABILITACAO67

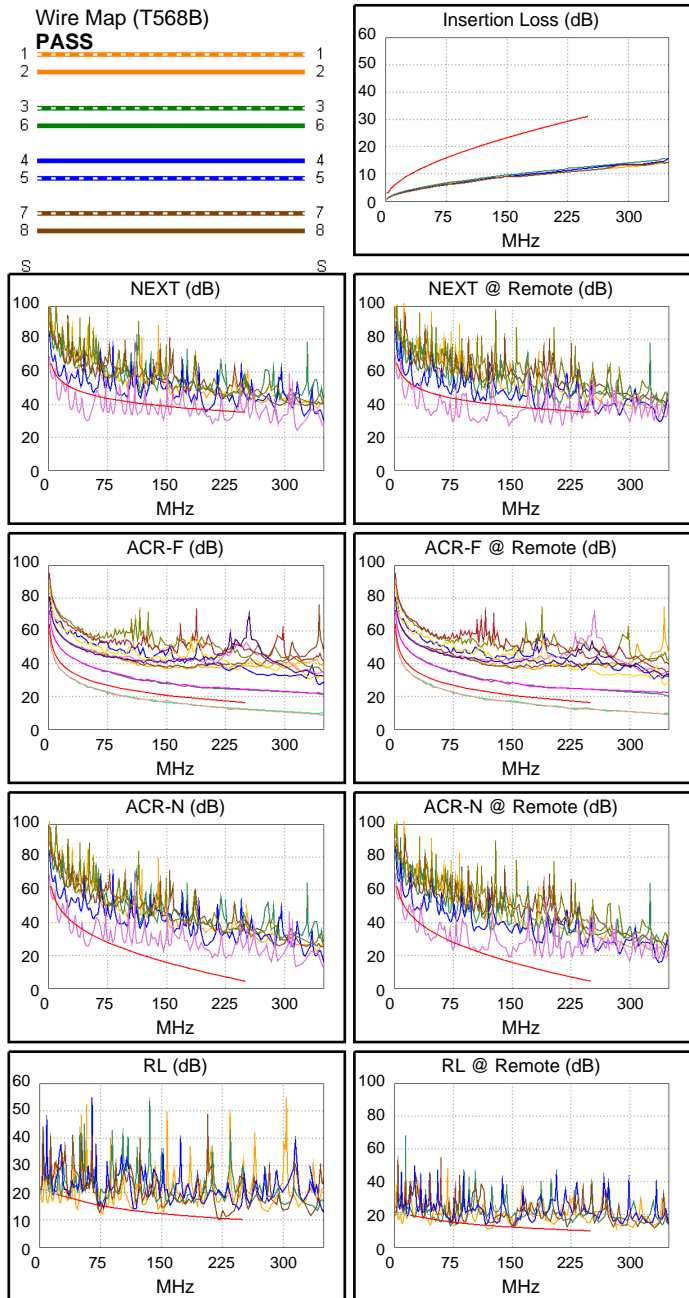
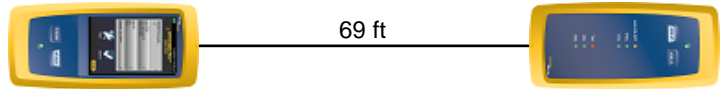
Date / Time: 10/20/2016 06:26:48 PM
Headroom -16.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	69
Prop. Delay (ns), Limit 498	[Pair 36]	103
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	9.1
Insertion Loss Margin (dB)	[Pair 36]	18.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.6 F	-14.4 F	-8.2	-12.5
Freq. (MHz)	49.5	75.0	209.0	147.0
Limit (dB)	46.8	43.9	36.6	39.1
Worst Pair	45	45	78	45
PS NEXT (dB)	-14.1 F	-11.9 F	-5.9	-10.0
Freq. (MHz)	49.8	75.0	209.0	147.0
Limit (dB)	44.3	41.4	34.0	36.5

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-5.0 F	-5.1 F	-4.5	-4.6
Freq. (MHz)	230.0	232.0	250.0	248.0
Limit (dB)	17.0	16.9	16.2	16.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	-2.3 F	-2.4 F	-1.8	-1.8
Freq. (MHz)	230.0	116.5	250.0	248.0
Limit (dB)	14.0	19.9	13.2	13.3

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.5	-7.8	11.3	9.3
Freq. (MHz)	12.6	13.3	225.0	214.5
Limit (dB)	50.0	49.5	6.8	8.0
Worst Pair	45	78	45	45
PS ACR-N (dB)	-7.2	-5.6	11.6	11.5
Freq. (MHz)	12.6	13.3	209.0	214.5
Limit (dB)	47.6	47.1	6.0	5.3

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	12	12	78	12
RL (dB)	-3.5 F	-3.8 F	-1.0	-2.2
Freq. (MHz)	46.0	45.5	221.0	120.0
Limit (dB)	17.4	17.4	10.6	13.2



Cable ID: REABILITACAO68

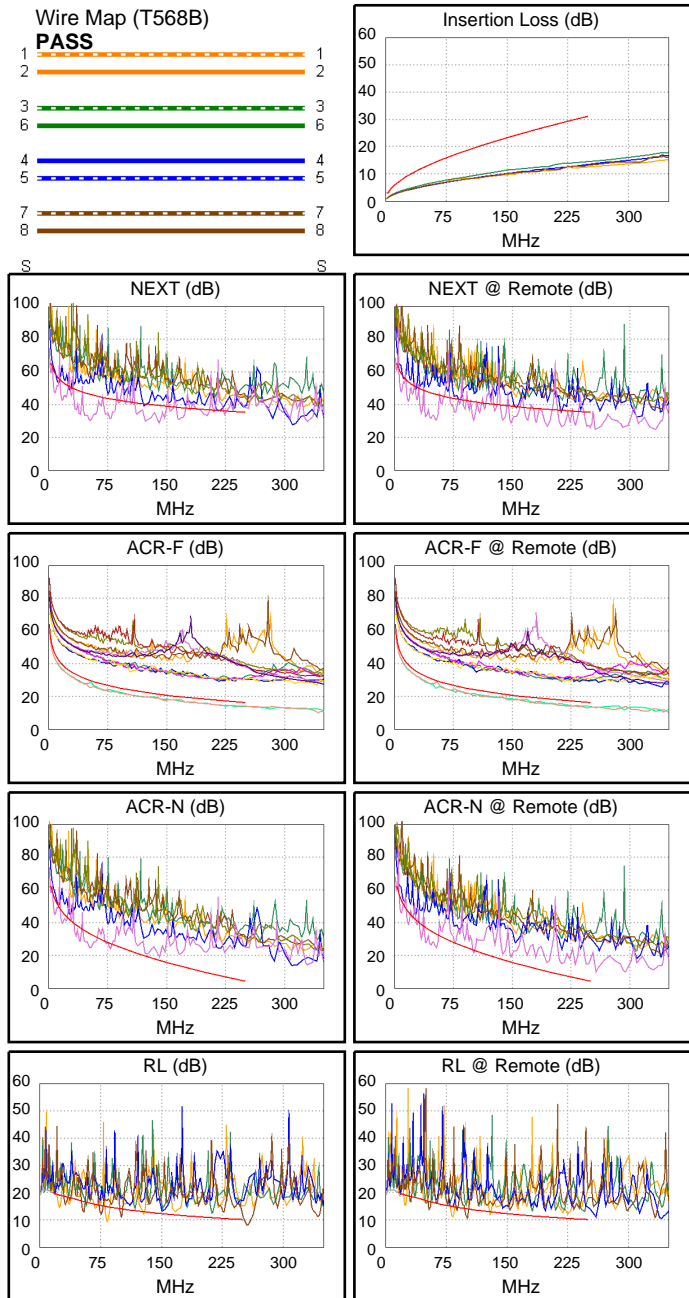
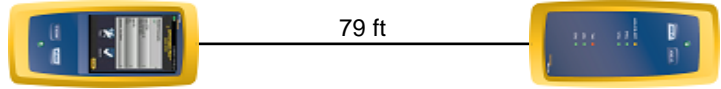
Date / Time: 10/20/2016 06:32:53 PM
Headroom -16.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	79
Prop. Delay (ns), Limit 498	[Pair 36]	120
Delay Skew (ns), Limit 44	[Pair 36]	3
Resistance (ohms)	[Pair 36]	10.6
Insertion Loss Margin (dB)	[Pair 36]	16.1
Frequency (MHz)	[Pair 36]	246.5
Limit (dB)	[Pair 36]	30.8



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-15.9F	-16.0F	-10.9	-9.5
Freq. (MHz)	52.8	40.0	141.5	250.0
Limit (dB)	46.3	48.3	39.4	35.3
Worst Pair	45	45	78	78
PS NEXT (dB)	-13.5F	-13.5F	-8.4	-7.0
Freq. (MHz)	52.8	40.3	141.5	250.0
Limit (dB)	43.9	45.8	36.8	32.7
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-4.5F	-4.7F	-3.0	-3.6
Freq. (MHz)	52.5	53.0	249.5	245.0
Limit (dB)	29.8	29.7	16.2	16.4
Worst Pair	45	78	45	45
PS ACR-F (dB)	-1.5F	-1.8F	-0.1	-0.7
Freq. (MHz)	52.5	53.0	249.5	245.0
Limit (dB)	26.8	26.7	13.2	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-9.5	-9.5	1.9	8.5
Freq. (MHz)	7.4	40.0	141.5	250.0
Limit (dB)	55.2	36.9	16.9	4.2
Worst Pair	78	45	78	45
PS ACR-N (dB)	-7.3	-7.1	4.4	10.6
Freq. (MHz)	7.8	40.0	141.5	250.0
Limit (dB)	52.4	34.5	14.3	1.6
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-5.4F	-3.9F	-5.4	-3.6
Freq. (MHz)	83.5	24.4	83.5	100.5
Limit (dB)	14.8	19.1	14.8	14.0



Cable ID: REABILITACAO69

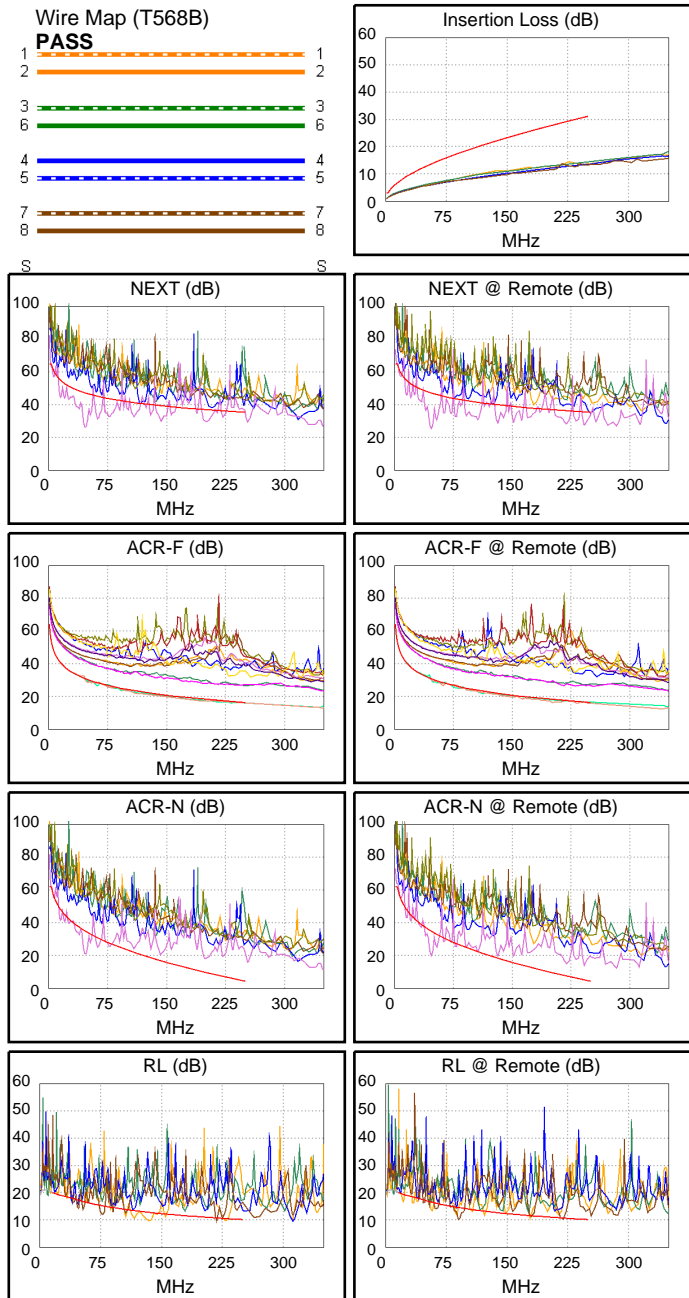
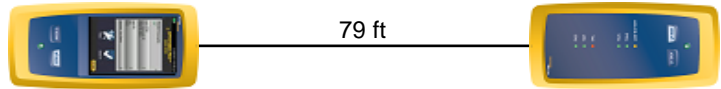
Date / Time: 10/20/2016 06:36:50 PM
Headroom -21.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	79
Prop. Delay (ns), Limit 498	[Pair 36]	120
Delay Skew (ns), Limit 44	[Pair 36]	3
Resistance (ohms)	[Pair 36]	10.5
Insertion Loss Margin (dB)	[Pair 12]	15.0
Frequency (MHz)	[Pair 12]	228.5
Limit (dB)	[Pair 12]	29.5



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-21.2F	-21.7F	-21.1	-21.6
Freq. (MHz)	46.8	46.8	47.0	47.0
Limit (dB)	47.2	47.2	47.1	47.1
Worst Pair	45	45	45	45
PS NEXT (dB)	-18.7F	-19.2F	-18.7	-19.2
Freq. (MHz)	47.0	47.0	47.0	47.0
Limit (dB)	44.7	44.7	44.7	44.7
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	-1.8F	-2.1F	-0.8	-2.1
Freq. (MHz)	61.8	225.5	250.0	225.5
Limit (dB)	28.4	17.1	16.2	17.1
Worst Pair	45	45	45	78
PS ACR-F (dB)	1.1	0.9*	1.9	0.9
Freq. (MHz)	49.0	200.5	250.0	225.5
Limit (dB)	27.4	15.1	13.2	14.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-14.4	-14.8	8.4	9.0
Freq. (MHz)	46.5	47.0	199.5	242.0
Limit (dB)	34.9	34.8	9.6	5.0
Worst Pair	45	45	45	78
PS ACR-N (dB)	-12.0	-12.4	10.3	11.4
Freq. (MHz)	46.5	46.8	199.5	242.0
Limit (dB)	32.5	32.4	7.0	2.4
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	-3.6F	-4.4F	-3.4	-0.9
Freq. (MHz)	47.3	91.0	136.0	218.0
Limit (dB)	17.3	14.4	12.7	10.6

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO7

Date / Time: 10/10/2016 08:01:19 PM

Headroom -13.8 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

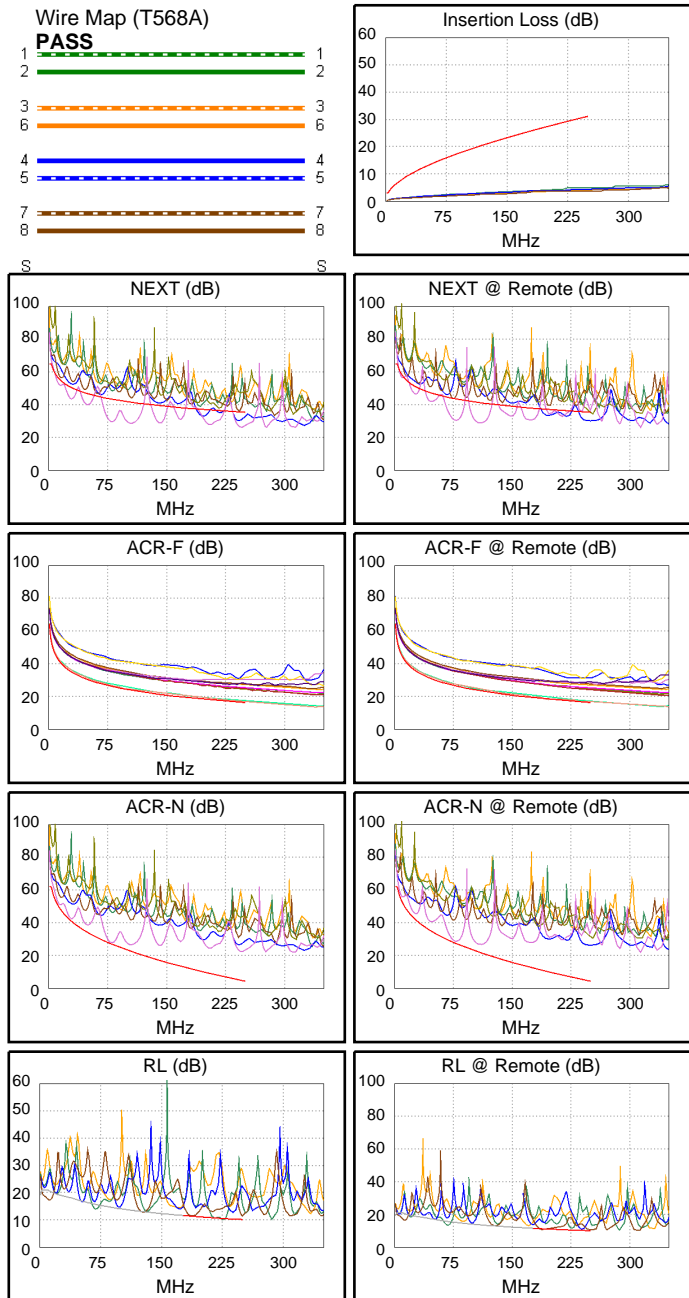
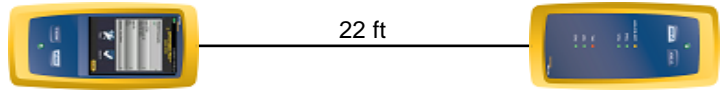
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	22
Prop. Delay (ns), Limit 498	[Pair 36]	35
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	3.1
Insertion Loss Margin (dB)	[Pair 36]	24.5
Frequency (MHz)	[Pair 36]	229.0
Limit (dB)	[Pair 36]	29.6



Worst Case Margin Worst Case Value

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-13.8 F	-13.1 F	-9.3	-12.2
Freq. (MHz)	80.5	78.3	246.0	111.0
Limit (dB)	43.4	43.6	35.5	41.1
Worst Pair	45	45	78	78
PS NEXT (dB)	-11.4 F	-10.8 F	-8.0	-4.4
Freq. (MHz)	80.5	78.0	245.0	250.0
Limit (dB)	40.9	41.1	32.9	32.7

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	0.1*	-0.2 F	0.4	0.5
Freq. (MHz)	98.0	198.0	240.0	250.0
Limit (dB)	24.4	18.3	16.6	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.0	1.7	2.2	2.4
Freq. (MHz)	98.0	198.0	240.0	250.0
Limit (dB)	21.4	15.3	13.6	13.2

	MAIN	SR	MAIN	SR
N/A				
Worst Pair	45-78	45-78	45-78	12-78
ACR-N (dB)	0.8	1.2	17.7	22.0
Freq. (MHz)	80.0	77.0	246.0	249.5
Limit (dB)	27.0	27.6	4.6	4.3
Worst Pair	45	45	78	78
PS ACR-N (dB)	2.8	3.1	18.9	22.8
Freq. (MHz)	80.0	77.0	245.0	250.0
Limit (dB)	24.5	25.1	2.1	1.6

	MAIN	SR	MAIN	SR
FAIL				
Worst Pair	36	78	36	78
RL (dB)	-0.5 F	-0.6 F	-0.4	0.6
Freq. (MHz)	226.0	188.0	227.5	250.0
Limit (dB)	10.5	11.3	10.4	10.0

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO70

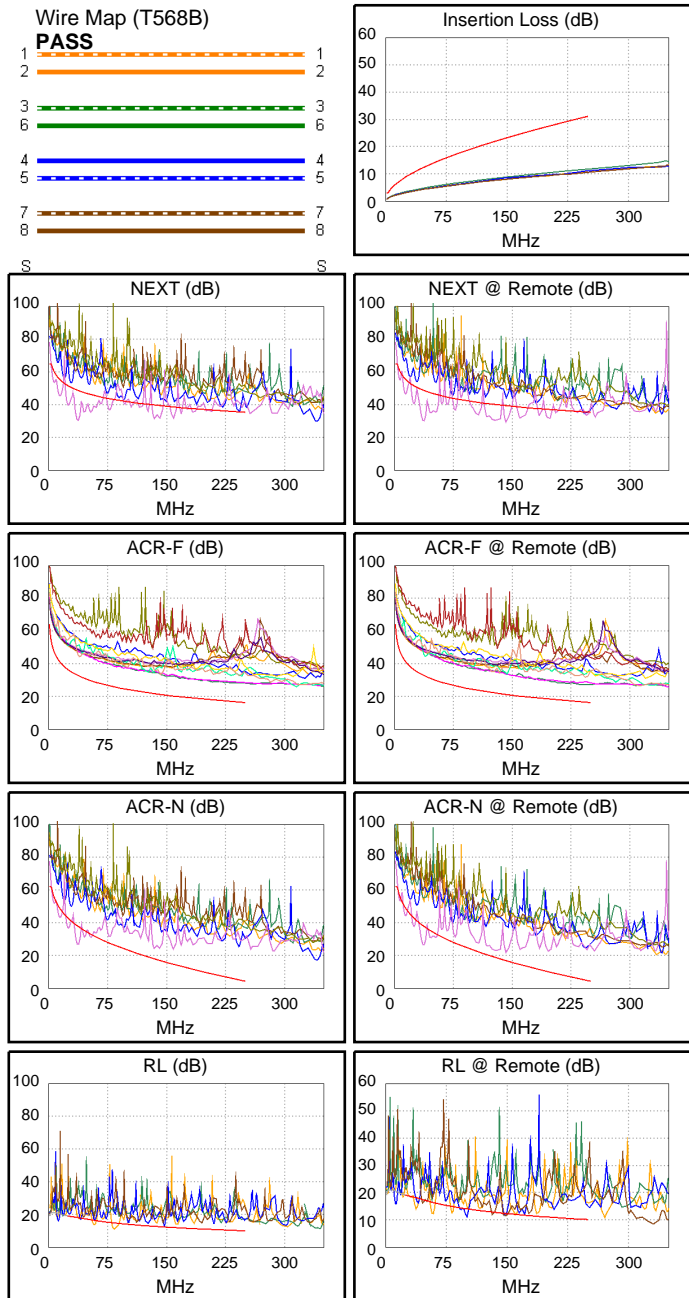
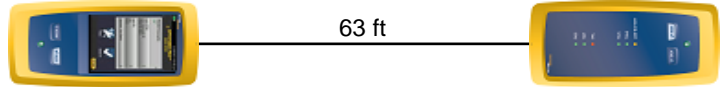
Date / Time: 10/20/2016 06:38:49 PM
Headroom -18.9 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	63
Prop. Delay (ns), Limit 498	[Pair 36]	95
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	8.3
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-18.5 F	-18.9 F	-18.5	-9.9
Freq. (MHz)	37.3	37.0	37.3	142.5
Limit (dB)	48.8	48.8	48.8	39.3
Worst Pair	45	45	45	78
PS NEXT (dB)	-16.1 F	-16.5 F	-16.0	-7.4
Freq. (MHz)	37.0	37.0	37.3	143.0
Limit (dB)	46.4	46.4	46.3	36.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	10.5	10.3	10.8	10.6
Freq. (MHz)	221.0	209.5	240.5	250.0
Limit (dB)	17.3	17.8	16.6	16.2
Worst Pair	45	45	12	45
PS ACR-F (dB)	12.1	12.4	13.0	12.5
Freq. (MHz)	143.5	209.5	237.5	245.0
Limit (dB)	18.1	14.8	13.7	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-11.3	-11.8	9.2	4.9
Freq. (MHz)	37.0	36.8	159.5	142.5
Limit (dB)	37.9	38.0	14.5	16.7
Worst Pair	45	45	78	78
PS ACR-N (dB)	-9.0	-9.5	11.4	18.9
Freq. (MHz)	37.3	36.8	159.5	244.5
Limit (dB)	35.4	35.6	11.9	2.2

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	78
RL (dB)	-3.8 F	-4.4 F	-3.8	-1.4
Freq. (MHz)	83.8	58.0	83.8	147.5
Limit (dB)	14.8	16.4	14.8	12.3



Cable ID: REABILITACAO71

Date / Time: 10/20/2016 06:40:49 PM

Headroom -16.3 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

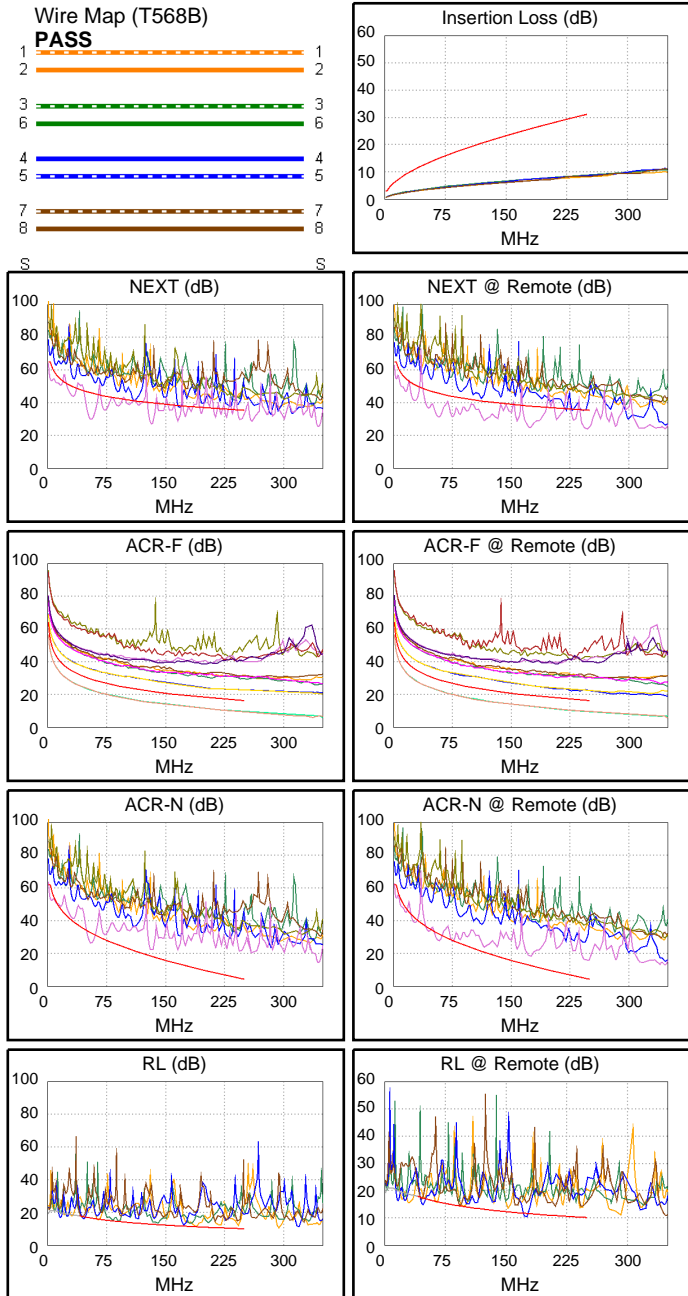
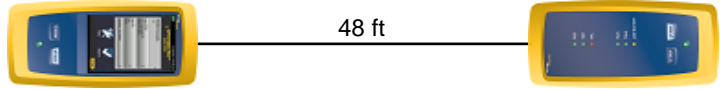
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	48
Prop. Delay (ns), Limit 498	[Pair 36]	72
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	6.3
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-16.3 F	-14.5 F	-12.9	-11.6
Freq. (MHz)	55.5	57.8	132.5	249.0
Limit (dB)	46.0	45.7	39.9	35.4
Worst Pair	45	45	45	78
PS NEXT (dB)	-13.8 F	-12.0 F	-10.3	-9.0
Freq. (MHz)	55.5	57.8	132.5	249.0
Limit (dB)	43.5	43.2	37.3	32.7

FAIL	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	78-45
ACR-F (dB)	-7.6 F	-7.6 F	-7.3	-7.1
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	63.2	63.2	16.2	16.2
Worst Pair	78	78	45	45
PS ACR-F (dB)	-4.7 F	-4.8 F	-4.3	-4.1
Freq. (MHz)	1.6	1.1	250.0	250.0
Limit (dB)	57.0	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-8.3	-8.1	16.2	11.3
Freq. (MHz)	3.5	3.4	245.0	249.0
Limit (dB)	61.7	61.8	4.7	4.3
Worst Pair	78	78	45	45
PS ACR-N (dB)	-5.7	-5.3	18.4	13.6
Freq. (MHz)	3.9	3.4	245.5	249.0
Limit (dB)	58.5	58.8	2.1	1.7

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45	45	12	45
RL (dB)	-1.3 F	-2.6 F	-0.1	-1.6
Freq. (MHz)	46.0	47.3	188.5	175.0
Limit (dB)	17.4	17.3	11.2	11.6



Cable ID: REABILITACAO72

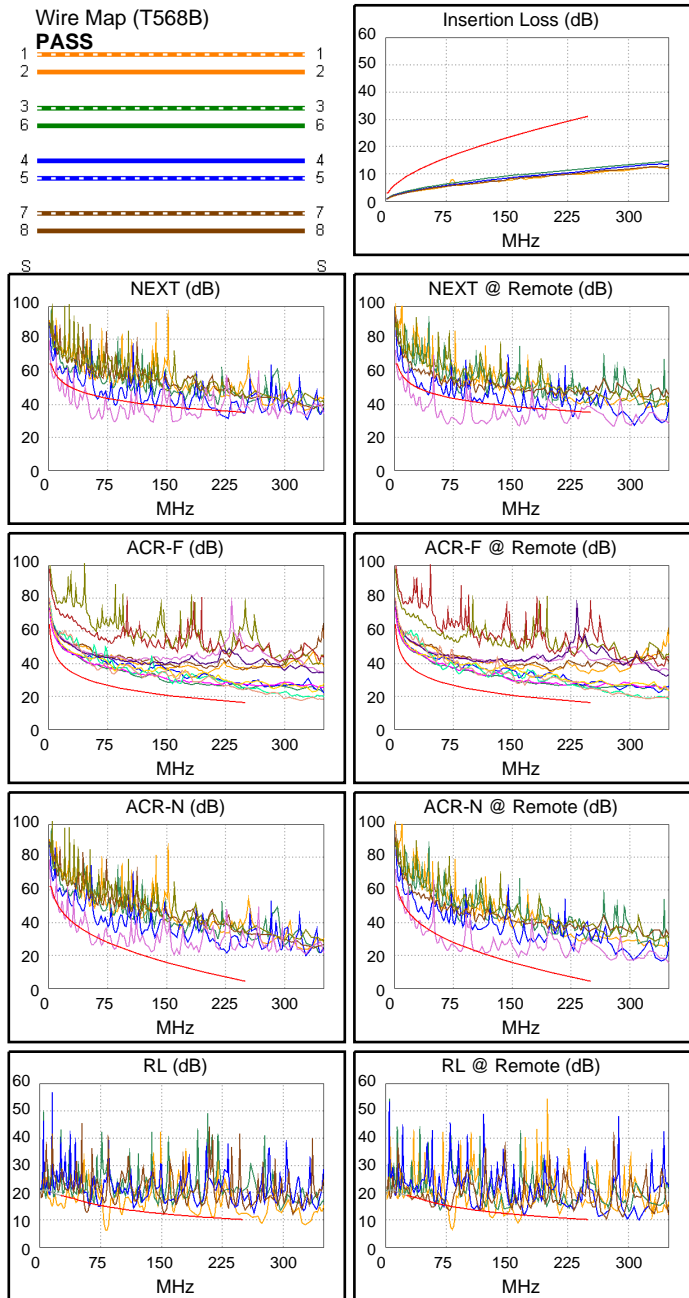
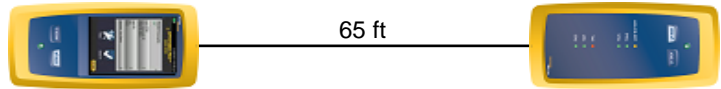
Date / Time: 10/20/2016 06:53:48 PM
Headroom -16.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	65
Prop. Delay (ns), Limit 498	[Pair 36]	97
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 36]	8.5
Insertion Loss Margin (dB)	[Pair 36]	18.3
Frequency (MHz)	[Pair 36]	238.0
Limit (dB)	[Pair 36]	30.2



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-14.8 F	-16.6 F	-10.2	-11.5
Freq. (MHz)	55.5	67.0	159.0	159.0
Limit (dB)	46.0	44.7	38.6	38.6
Worst Pair	45	45	78	78
PS NEXT (dB)	-12.3 F	-14.1 F	-7.8	-9.6
Freq. (MHz)	55.8	67.0	159.0	159.0
Limit (dB)	43.5	42.2	36.0	36.0
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	7.4	7.1	7.8	7.7
Freq. (MHz)	157.0	157.0	247.5	244.0
Limit (dB)	20.3	20.3	16.3	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	8.1	7.7	8.1	8.6
Freq. (MHz)	249.0	157.0	249.0	244.0
Limit (dB)	13.3	17.3	13.3	13.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-6.0	-6.6	5.8	11.2
Freq. (MHz)	55.8	67.5	159.0	219.0
Limit (dB)	32.4	29.6	14.5	7.5
Worst Pair	45	45	45	45
PS ACR-N (dB)	-3.7	-4.5	7.6	13.5
Freq. (MHz)	55.5	67.3	159.0	219.0
Limit (dB)	30.0	27.2	12.0	4.8
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-8.9 F	-8.5 F	-8.8	-8.4
Freq. (MHz)	82.0	82.0	82.5	82.3
Limit (dB)	14.9	14.9	14.8	14.8



Cable ID: REABILITACAO73

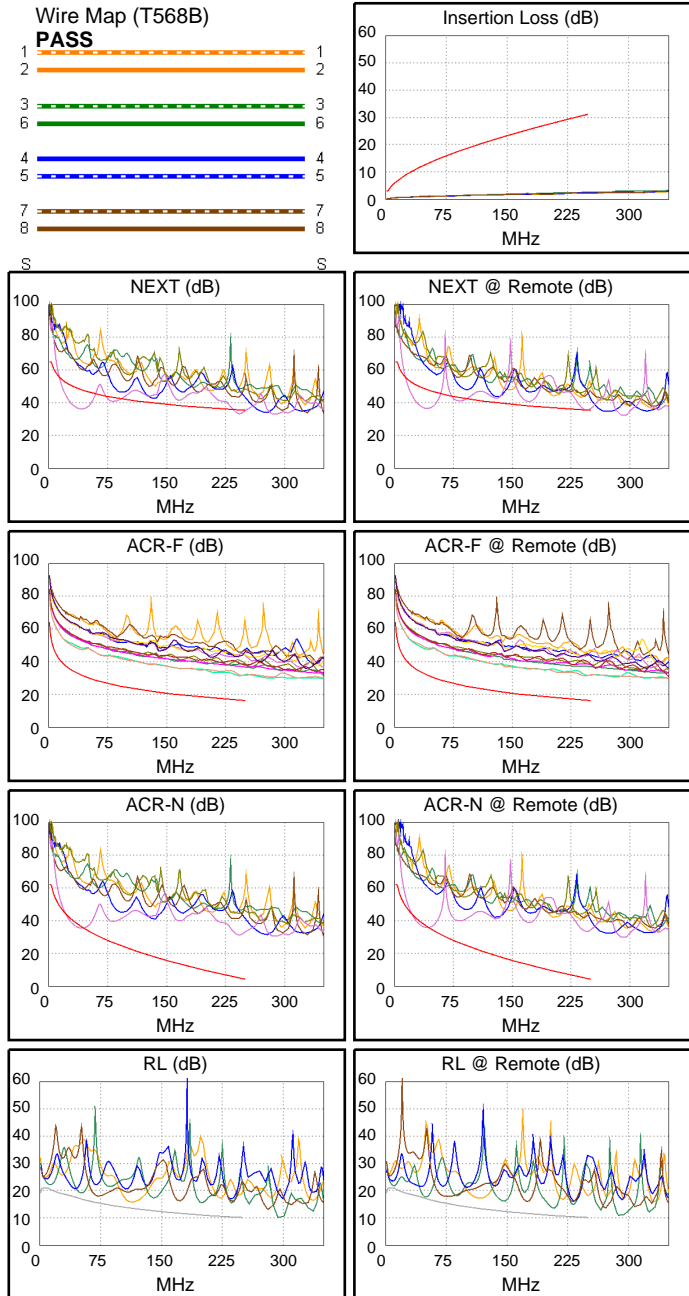
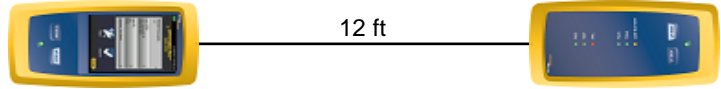
Date / Time: 10/20/2016 06:55:45 PM
Headroom -12.2 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 45]	12
Prop. Delay (ns), Limit 498	[Pair 12]	19
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.9
Insertion Loss Margin (dB)	[Pair 36]	27.7
Frequency (MHz)	[Pair 36]	237.0
Limit (dB)	[Pair 36]	30.2



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.2F	-11.9F	-2.4	-0.1
Freq. (MHz)	37.8	37.8	243.0	246.0
Limit (dB)	48.7	48.7	35.5	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	-9.7F	-9.4F	-0.3	1.9
Freq. (MHz)	38.5	38.0	243.0	245.0
Limit (dB)	46.1	46.2	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	15.0	14.8	15.1	14.9
Freq. (MHz)	243.5	243.5	244.5	244.0
Limit (dB)	16.5	16.5	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.2	16.2	17.0	16.3
Freq. (MHz)	1.1	243.5	250.0	244.0
Limit (dB)	60.2	13.5	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.3	-2.0	26.2	28.8
Freq. (MHz)	34.0	34.5	243.0	246.0
Limit (dB)	39.0	38.8	4.9	4.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.1	0.4	28.1	30.3
Freq. (MHz)	33.0	34.5	243.0	243.5
Limit (dB)	36.9	36.4	2.3	2.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	1.4	0.5	5.0	2.7
Freq. (MHz)	10.0	49.3	237.0	208.5
Limit (dB)	21.0	17.1	10.3	10.8



Cable ID: REABILITACAO74

Date / Time: 10/20/2016 06:57:35 PM

Headroom -14.1 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

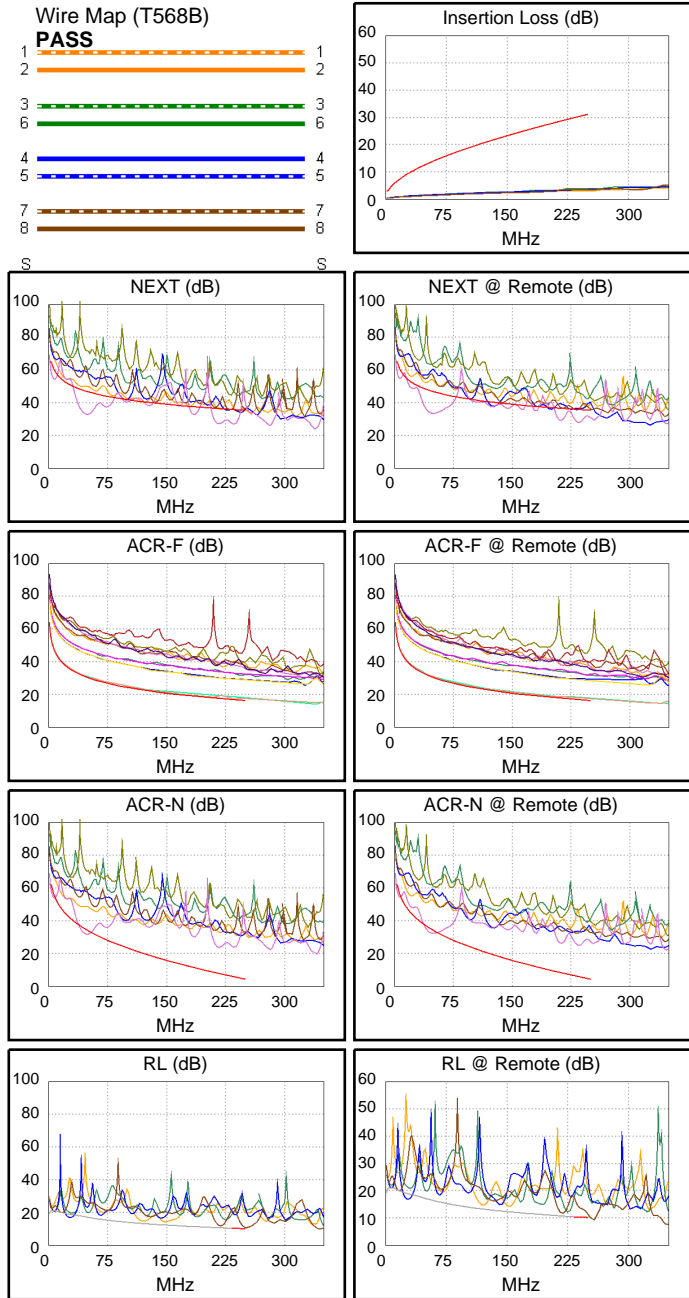
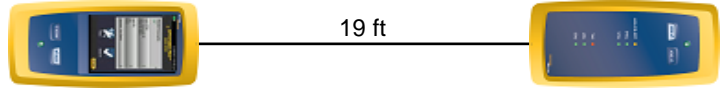
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	19
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.7
Insertion Loss Margin (dB)	[Pair 36]	25.7
Frequency (MHz)	[Pair 36]	229.0
Limit (dB)	[Pair 36]	29.6



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-14.1 F	-13.6 F	-8.9	-7.9
Freq. (MHz)	47.5	47.5	236.0	235.0
Limit (dB)	47.1	47.1	35.7	35.8
Worst Pair	45	45	45	45
PS NEXT (dB)	-11.6 F	-11.1 F	-6.9	-6.1
Freq. (MHz)	47.8	47.5	234.5	234.5
Limit (dB)	44.6	44.6	33.2	33.2

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	45-78
ACR-F (dB)	-0.2 F	-0.2 F	0.5	0.7
Freq. (MHz)	1.0	1.3	238.0	238.0
Limit (dB)	64.2	62.3	16.7	16.7
Worst Pair	78	78	45	78
PS ACR-F (dB)	2.6	2.6	3.4	3.4
Freq. (MHz)	1.0	1.3	238.0	238.0
Limit (dB)	61.2	59.3	13.7	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-4.0	-4.2	15.8	19.3
Freq. (MHz)	3.8	3.5	217.0	236.5
Limit (dB)	61.1	61.7	7.7	5.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	-1.8	-1.9	19.7	20.5
Freq. (MHz)	4.0	4.0	234.5	234.5
Limit (dB)	58.3	58.3	3.2	3.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	0.7*	1.0	0.7	1.3
Freq. (MHz)	250.0	219.5	250.0	250.0
Limit (dB)	10.0	10.6	10.0	10.0

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO75

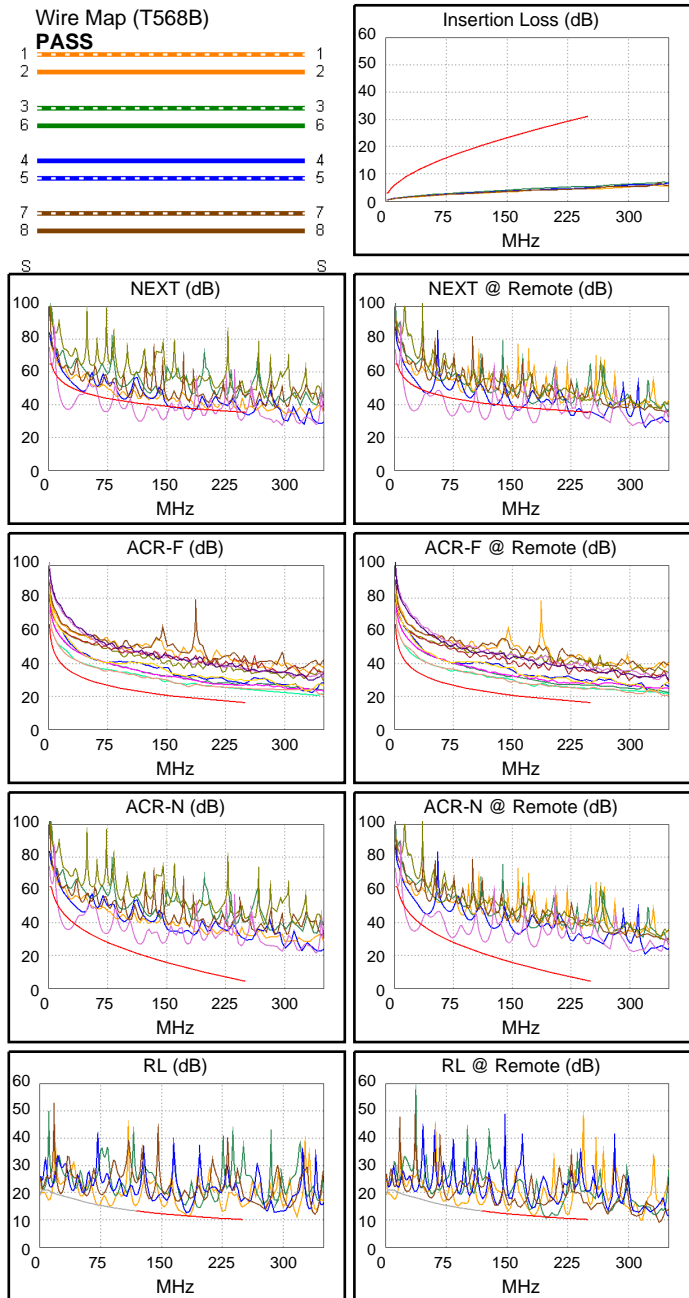
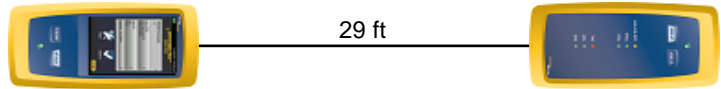
Date / Time: 10/20/2016 06:59:02 PM
Headroom -15.6 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	29
Prop. Delay (ns), Limit 498	[Pair 36]	43
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	3.9
Insertion Loss Margin (dB)	[Pair 36]	25.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-14.9 F	-15.6 F	-11.1	-9.0
Freq. (MHz)	22.8	23.5	116.5	178.0
Limit (dB)	52.2	52.0	40.8	37.8
Worst Pair	45	45	78	45
PS NEXT (dB)	-12.5 F	-13.2 F	-3.6	-6.6
Freq. (MHz)	22.8	23.4	245.5	178.5
Limit (dB)	49.8	49.6	32.8	35.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	78-45
ACR-F (dB)	6.6	7.0	8.1	7.8
Freq. (MHz)	178.5	178.5	243.5	243.5
Limit (dB)	19.2	19.2	16.5	16.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	8.4	8.6	9.3	8.6
Freq. (MHz)	178.5	242.5	248.5	242.5
Limit (dB)	16.2	13.5	13.3	13.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-7.9	-8.6	20.9	12.8
Freq. (MHz)	21.5	21.1	244.5	178.0
Limit (dB)	44.4	44.6	4.8	12.2
Worst Pair	45	45	78	45
PS ACR-N (dB)	-5.5	-6.2	22.5	14.8
Freq. (MHz)	21.5	22.3	244.5	178.5
Limit (dB)	42.0	41.6	2.2	9.5

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	-0.1 F	-0.5 F	-0.1	-0.5
Freq. (MHz)	183.5	199.0	183.5	199.0
Limit (dB)	11.4	11.0	11.4	11.0



Cable ID: REABILITACAO76

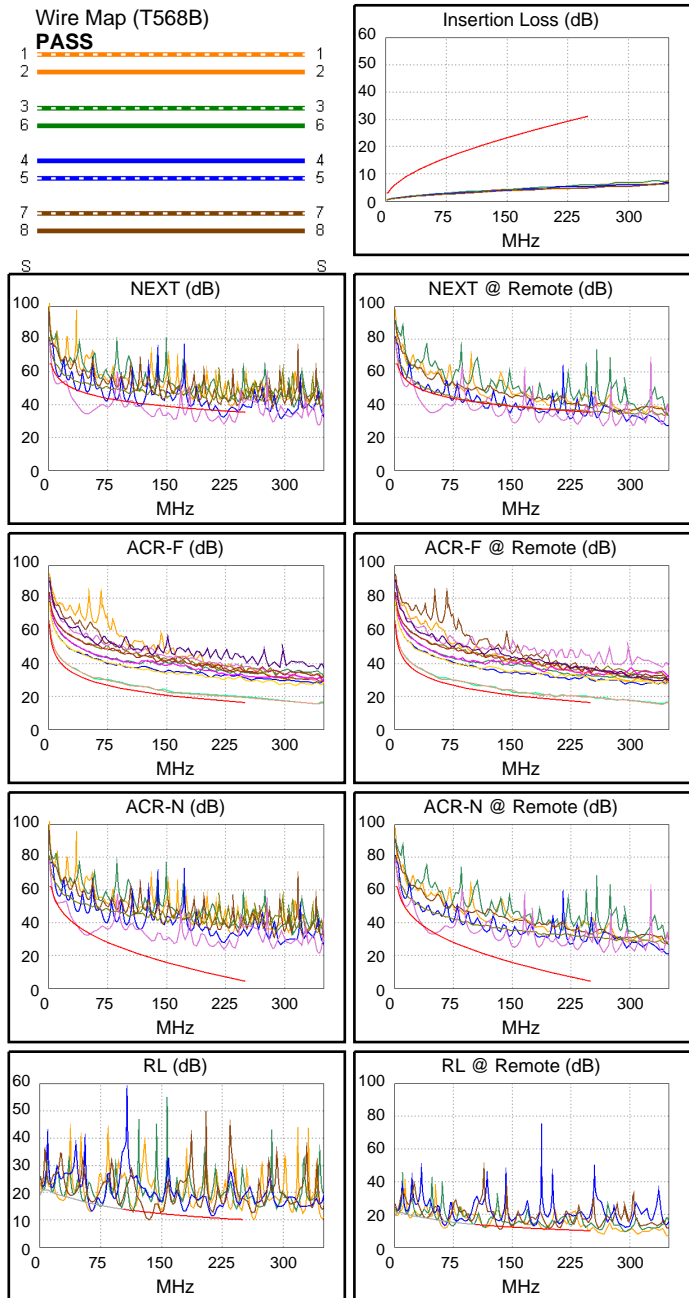
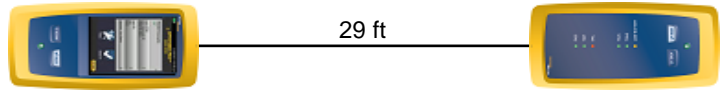
Date / Time: 10/20/2016 07:00:05 PM
Headroom -12.7 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	29
Prop. Delay (ns), Limit 498	[Pair 36]	45
Delay Skew (ns), Limit 44	[Pair 36]	2
Resistance (ohms)	[Pair 12]	8.4
Insertion Loss Margin (dB)	[Pair 36]	24.8
Frequency (MHz)	[Pair 36]	244.5
Limit (dB)	[Pair 36]	30.7



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-12.7 F	-12.1 F	-7.9	-7.8
Freq. (MHz)	47.5	47.5	223.0	233.0
Limit (dB)	47.1	47.1	36.2	35.8
Worst Pair	78	78	78	78
PS NEXT (dB)	-10.5 F	-10.1 F	-6.7	-5.9
Freq. (MHz)	47.8	45.8	223.0	233.0
Limit (dB)	44.6	44.9	33.5	33.2
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	1.7	1.7	2.9	3.2
Freq. (MHz)	155.5	152.0	250.0	250.0
Limit (dB)	20.4	20.6	16.2	16.2
Worst Pair	45	78	45	78
PS ACR-F (dB)	4.6	4.5	5.7	5.9
Freq. (MHz)	155.5	152.0	250.0	250.0
Limit (dB)	17.4	17.6	13.2	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-2.3	-1.9	16.8	17.3
Freq. (MHz)	46.3	45.3	223.5	233.0
Limit (dB)	35.0	35.3	7.0	6.0
Worst Pair	45	78	78	78
PS ACR-N (dB)	0.0	0.2	17.9	19.2
Freq. (MHz)	44.8	45.8	223.5	233.0
Limit (dB)	33.0	32.7	4.4	3.4
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	12
RL (dB)	-2.8 F	-2.4 F	-2.8	-0.3
Freq. (MHz)	135.0	74.5	135.0	249.0
Limit (dB)	12.7	15.3	12.7	10.0



Cable ID: REABILITACAO77

Date / Time: 10/20/2016 07:00:44 PM

Headroom 0.4 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: PASS

Model: DSX-5000

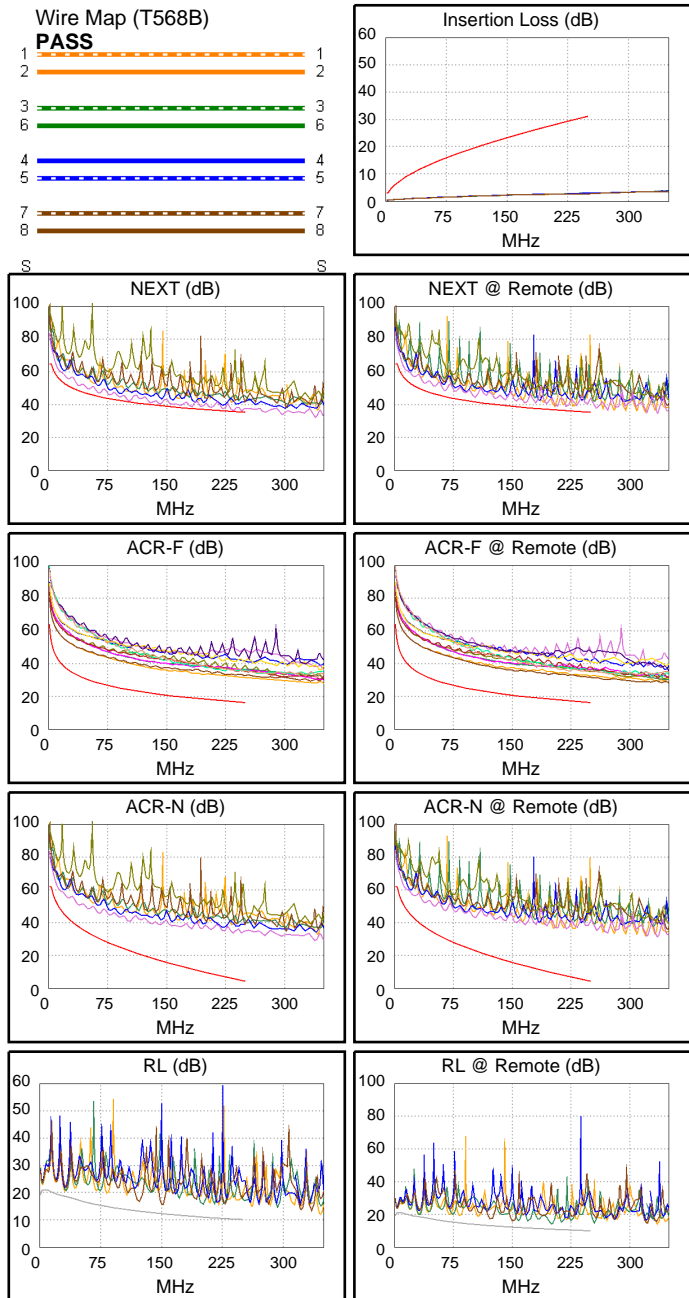
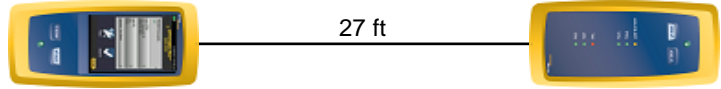
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	27
Prop. Delay (ns), Limit 498	[Pair 45]	41
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.6
Insertion Loss Margin (dB)	[Pair 36]	28.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	0.4*	2.0	0.7	2.5
Freq. (MHz)	234.5	206.5	246.0	220.0
Limit (dB)	35.8	36.7	35.5	36.2
Worst Pair	78	45	78	12
PS NEXT (dB)	1.7	3.7	2.3	3.8
Freq. (MHz)	222.0	206.0	246.0	228.5
Limit (dB)	33.6	34.1	32.8	33.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
ACR-F (dB)	14.9	14.9	15.1	15.3
Freq. (MHz)	196.5	154.0	250.0	250.0
Limit (dB)	18.3	20.4	16.2	16.2
Worst Pair	36	12	36	12
PS ACR-F (dB)	16.5	16.3	16.5	16.8
Freq. (MHz)	250.0	153.5	250.0	250.0
Limit (dB)	13.2	17.5	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-36
ACR-N (dB)	10.8	11.7	27.8	29.6
Freq. (MHz)	12.5	12.3	234.5	229.0
Limit (dB)	50.1	50.3	5.8	6.4
Worst Pair	45	45	78	12
PS ACR-N (dB)	11.3	12.1	30.6	30.9
Freq. (MHz)	11.5	12.3	246.0	229.5
Limit (dB)	48.6	47.9	2.0	3.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	78	36
RL (dB)	1.8	1.3	3.3	3.2
Freq. (MHz)	3.3	32.0	151.5	200.5
Limit (dB)	21.0	18.5	12.2	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

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO78

Date / Time: 10/20/2016 07:02:59 PM

Headroom -17.9 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

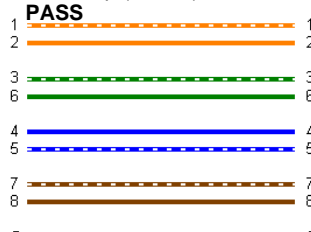
Length (ft), Limit 295	[Pair 12]	32
Prop. Delay (ns), Limit 498	[Pair 36]	47
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	4.3
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	231.5
Limit (dB)	[Pair 36]	29.8



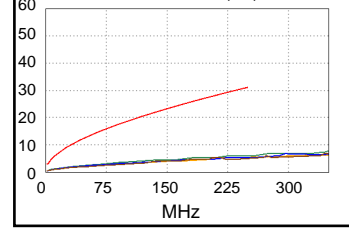
32 ft



Wire Map (T568B)

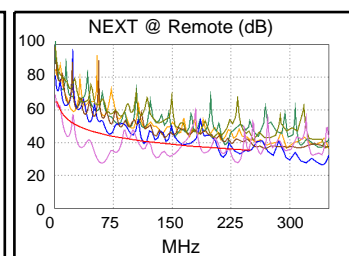
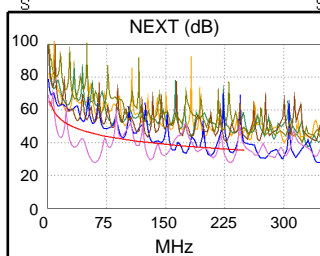


Insertion Loss (dB)

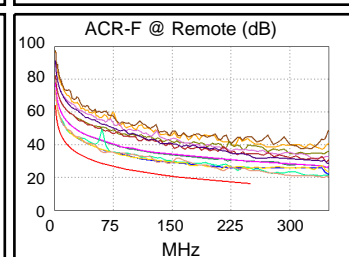
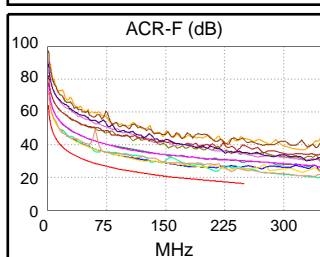


Worst Case Margin Worst Case Value

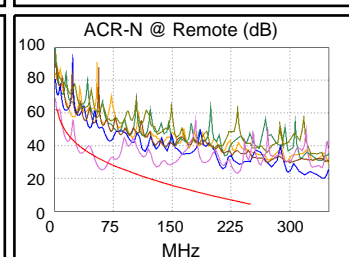
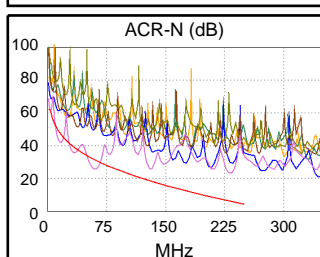
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-17.5 F	-17.9 F	-8.1	-17.7
Freq. (MHz)	59.8	59.8	233.0	61.0
Limit (dB)	45.5	45.5	35.8	45.3
Worst Pair	45	45	78	78
PS NEXT (dB)	-15.0 F	-15.4 F	-6.4	-6.5
Freq. (MHz)	59.8	59.8	233.5	234.0
Limit (dB)	43.0	43.0	33.2	33.2



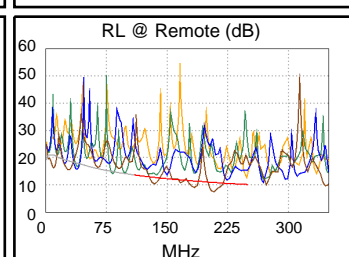
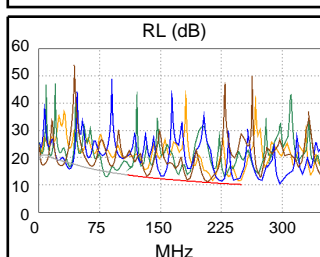
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	6.1	6.4	6.8	6.4
Freq. (MHz)	214.5	215.0	234.5	215.0
Limit (dB)	17.6	17.5	16.8	17.5
Worst Pair	78	78	78	78
PS ACR-F (dB)	6.4	8.0	6.4	8.0
Freq. (MHz)	212.0	235.0	212.0	235.0
Limit (dB)	14.7	13.8	14.7	13.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-5.8	-6.2	17.1	17.2
Freq. (MHz)	58.8	58.8	233.0	234.0
Limit (dB)	31.7	31.7	6.0	5.9
Worst Pair	45	45	78	78
PS ACR-N (dB)	-3.5	-3.9	18.9	18.9
Freq. (MHz)	58.8	58.8	233.5	234.0
Limit (dB)	29.2	29.2	3.3	3.2



FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	78	78	78
RL (dB)	-1.9 F	-3.6 F	0.3	-3.6
Freq. (MHz)	84.0	207.5	208.0	207.5
Limit (dB)	14.8	10.8	10.8	10.8





Cable ID: REABILITACAO79

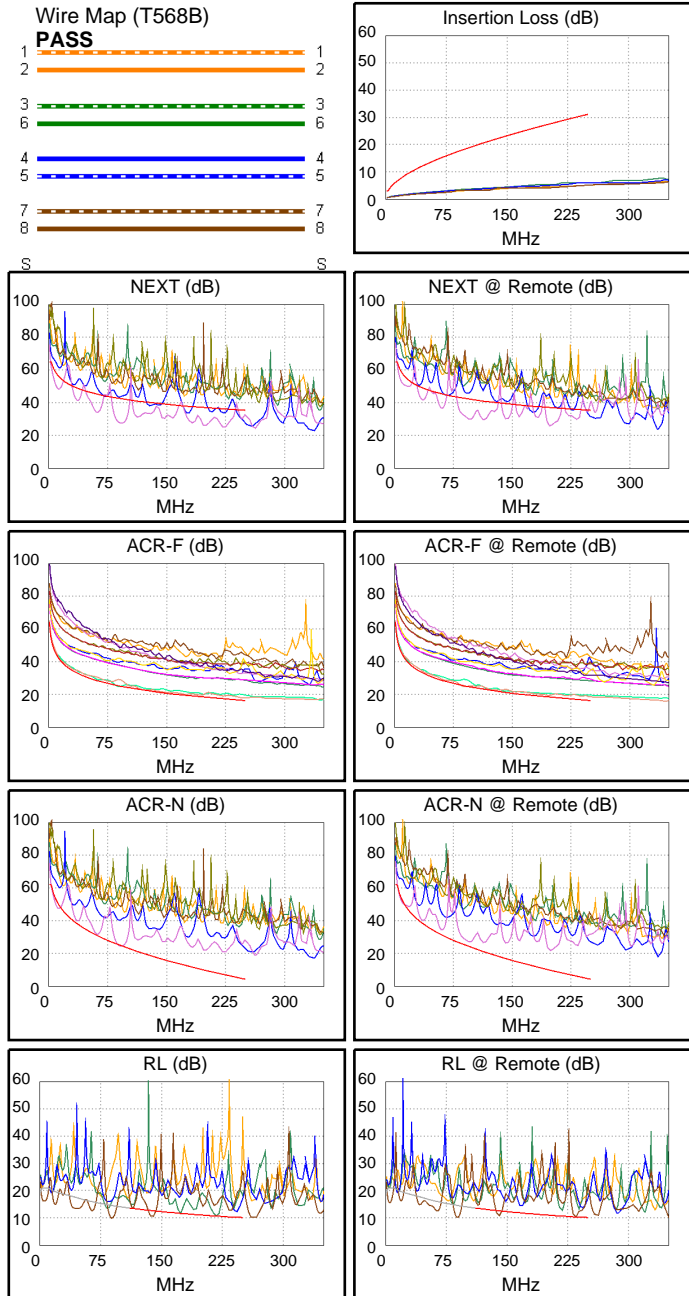
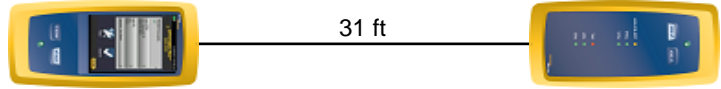
Date / Time: 10/20/2016 07:03:25 PM
Headroom -14.9 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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 78]	31
Prop. Delay (ns), Limit 498	[Pair 36]	47
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 78]	4.5
Insertion Loss Margin (dB)	[Pair 36]	24.2
Frequency (MHz)	[Pair 36]	240.5
Limit (dB)	[Pair 36]	30.4



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-14.9 F	-12.3 F	-11.2	-11.2
Freq. (MHz)	93.0	95.5	223.5	198.5
Limit (dB)	42.4	42.2	36.1	37.0
Worst Pair	78	78	78	78
PS NEXT (dB)	-12.5 F	-9.9 F	-9.1	-8.7
Freq. (MHz)	92.5	95.3	223.5	198.5
Limit (dB)	39.9	39.7	33.5	34.4
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	-0.5 F	-0.5 F	1.4	2.3
Freq. (MHz)	89.5	89.5	248.5	248.5
Limit (dB)	25.2	25.2	16.3	16.3
Worst Pair	78	45	45	45
PS ACR-F (dB)	2.4	2.3	4.1	4.8
Freq. (MHz)	89.5	89.5	248.5	248.5
Limit (dB)	22.2	22.2	13.3	13.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-3.3	-1.7	13.5	12.1
Freq. (MHz)	10.5	8.4	223.5	199.5
Limit (dB)	51.8	54.0	7.0	9.6
Worst Pair	45	78	45	45
PS ACR-N (dB)	-1.2	0.4	15.4	13.8
Freq. (MHz)	10.5	8.3	224.0	198.5
Limit (dB)	49.5	51.8	4.3	7.1
FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-4.7 F	-4.5 F	-4.7	-4.4
Freq. (MHz)	89.3	88.0	89.3	89.3
Limit (dB)	14.5	14.6	14.5	14.5



Cable ID: REABILITACAO8

Date / Time: 10/10/2016 08:02:10 PM

Headroom -14.7 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

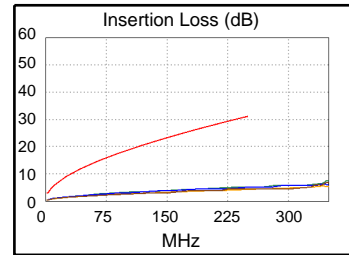
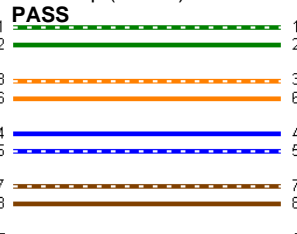
Length (ft), Limit 295	[Pair 12]	28
Prop. Delay (ns), Limit 498	[Pair 36]	42
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 12]	3.8
Insertion Loss Margin (dB)	[Pair 36]	25.3
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



28 ft

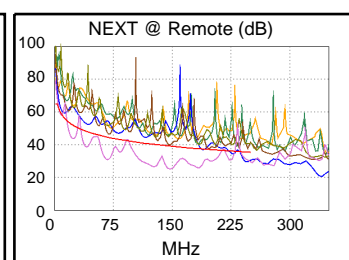
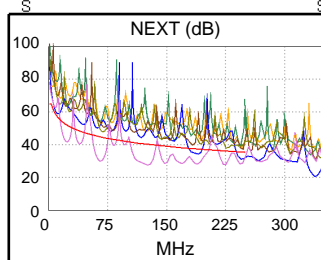


Wire Map (T568A)

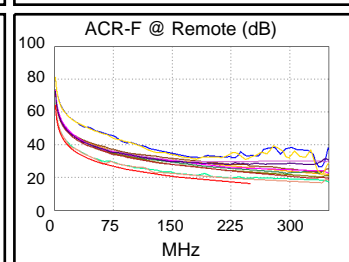
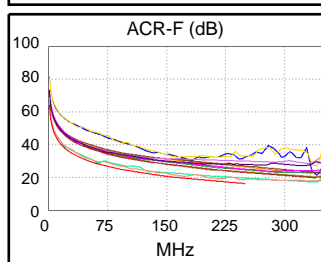


Worst Case Margin Worst Case Value

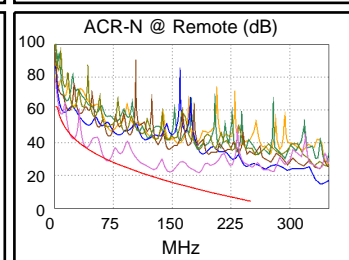
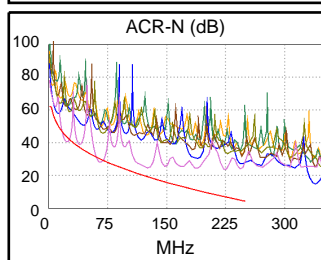
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-14.7 F	-14.1 F	-12.7	-14.1
Freq. (MHz)	66.0	147.0	127.0	147.0
Limit (dB)	44.8	39.1	40.2	39.1
Worst Pair	78	45	78	45
PS NEXT (dB)	-12.3 F	-11.6 F	-6.6	-11.6
Freq. (MHz)	66.0	147.0	245.5	147.0
Limit (dB)	42.3	36.5	32.8	36.5



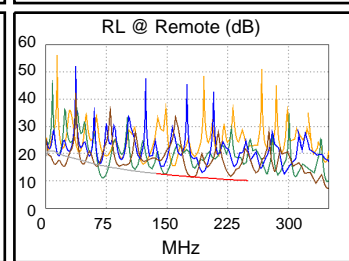
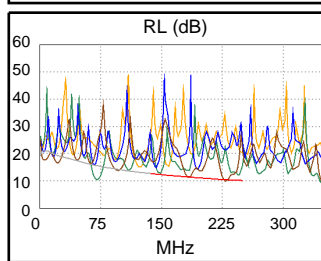
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	78-45	78-45
ACR-F (dB)	0.6	0.3*	2.0	2.4
Freq. (MHz)	62.5	63.3	245.5	250.0
Limit (dB)	28.3	28.2	16.4	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	2.7	2.1	3.1	3.1
Freq. (MHz)	174.5	63.3	245.5	249.0
Limit (dB)	16.4	25.2	13.4	13.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-3.3	-1.1	16.6	10.3
Freq. (MHz)	21.9	22.6	224.0	184.5
Limit (dB)	44.2	43.8	6.9	11.4
Worst Pair	45	45	78	45
PS ACR-N (dB)	-1.0	1.1	20.0	7.5
Freq. (MHz)	21.9	67.3	245.5	147.0
Limit (dB)	41.8	27.2	2.1	13.6



FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	36
RL (dB)	-5.1 F	-4.5 F	-0.7	-4.5
Freq. (MHz)	70.8	70.5	229.5	70.5
Limit (dB)	15.5	15.5	10.4	15.5



* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO80

Date / Time: 10/20/2016 07:04:25 PM

Headroom -9.1 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]	18
Prop. Delay (ns), Limit 498	[Pair 36]	28
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.6
Insertion Loss Margin (dB)	[Pair 36]	27.0
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



18 ft

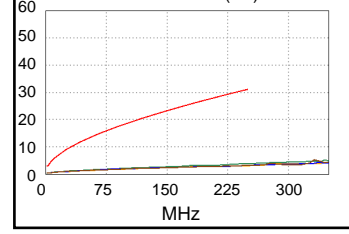


Wire Map (T568B)

PASS

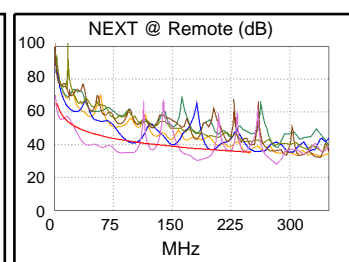
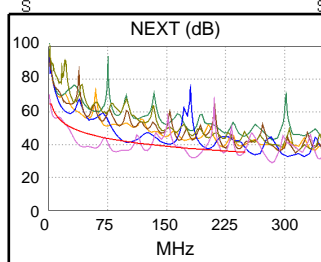


Insertion Loss (dB)

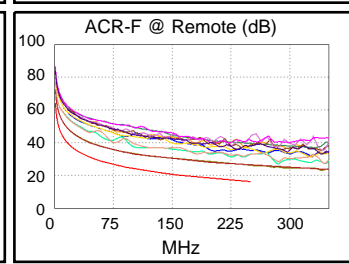
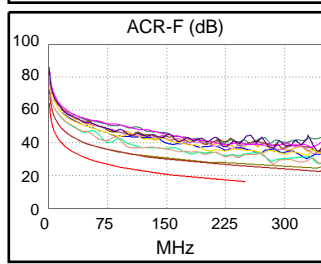


Worst Case Margin Worst Case Value

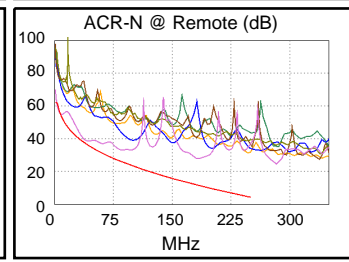
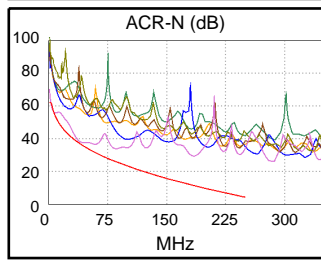
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-9.1 F	-8.3 F	-5.5	-7.2
Freq. (MHz)	41.8	41.0	185.5	183.0
Limit (dB)	48.0	48.1	37.5	37.6
Worst Pair	45	78	45	45
PS NEXT (dB)	-6.6 F	-5.9 F	-3.3	-4.9
Freq. (MHz)	42.5	85.0	185.5	183.0
Limit (dB)	45.4	40.5	34.9	35.0



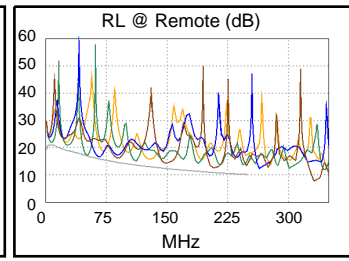
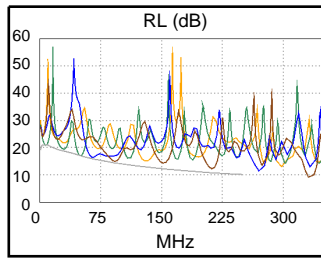
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	8.4	8.4	9.5	9.8
Freq. (MHz)	2.0	2.4	250.0	250.0
Limit (dB)	58.2	56.7	16.2	16.2
Worst Pair	45	45	45	45
PS ACR-F (dB)	9.8	9.8	12.1	11.8
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	60.2	60.2	13.2	13.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-1.5	-2.0	18.1	16.2
Freq. (MHz)	3.8	4.0	185.5	183.0
Limit (dB)	61.1	60.6	11.3	11.6
Worst Pair	45	45	45	45
PS ACR-N (dB)	0.9	0.3	26.2	18.5
Freq. (MHz)	4.0	4.0	243.5	183.0
Limit (dB)	58.3	58.3	2.3	9.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	1.5	2.4	1.5	2.4
Freq. (MHz)	214.0	214.0	214.0	214.0
Limit (dB)	10.7	10.7	10.7	10.7





Cable ID: REABILITACAO81

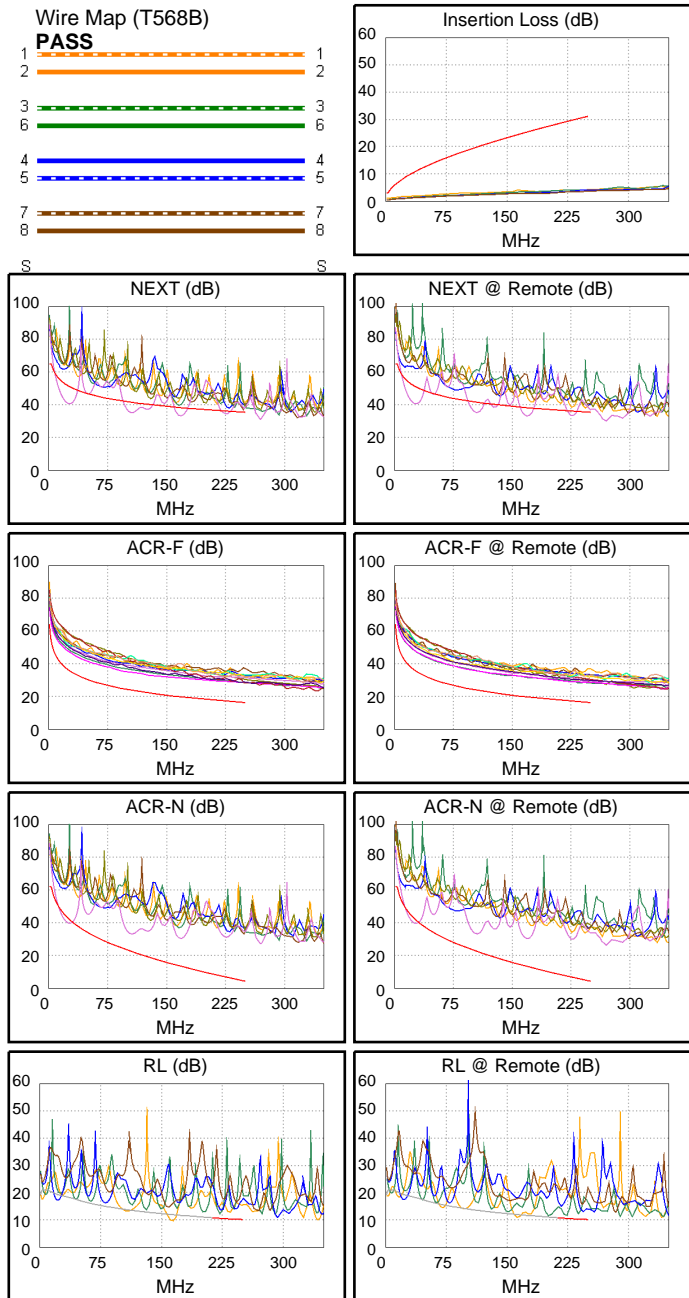
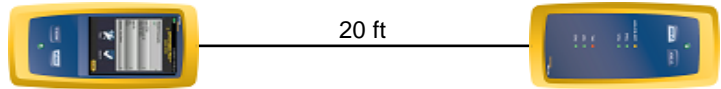
Date / Time: 10/20/2016 07:04:54 PM
Headroom -10.8 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	20
Prop. Delay (ns), Limit 498	[Pair 36]	31
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 12]	19.9
Insertion Loss Margin (dB)	[Pair 36]	26.0
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-10.8 F	-10.7 F	-4.9	-5.1
Freq. (MHz)	24.9	25.6	169.0	169.5
Limit (dB)	51.6	51.4	38.1	38.1
Worst Pair	45	45	45	78
PS NEXT (dB)	-8.4 F	-8.3 F	-3.4	-0.9
Freq. (MHz)	24.5	25.5	168.0	226.5
Limit (dB)	49.3	49.0	35.6	33.4
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	10.6	11.2	11.6	11.7
Freq. (MHz)	94.8	127.5	250.0	250.0
Limit (dB)	24.7	22.1	16.2	16.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	11.6	11.2	11.6	11.2
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	13.2	13.2	13.2	13.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-3.3	-3.1	17.1	23.1
Freq. (MHz)	22.5	23.3	169.0	226.5
Limit (dB)	43.9	43.5	13.3	6.7
Worst Pair	45	45	45	78
PS ACR-N (dB)	-1.0	-0.8	18.6	25.1
Freq. (MHz)	22.3	23.3	168.0	226.5
Limit (dB)	41.6	41.1	10.8	4.0
FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.4 F	-1.0 F	-2.4	-1.0
Freq. (MHz)	164.0	164.0	164.0	164.0
Limit (dB)	11.9	11.9	11.9	11.9



Cable ID: REABILITACAO82

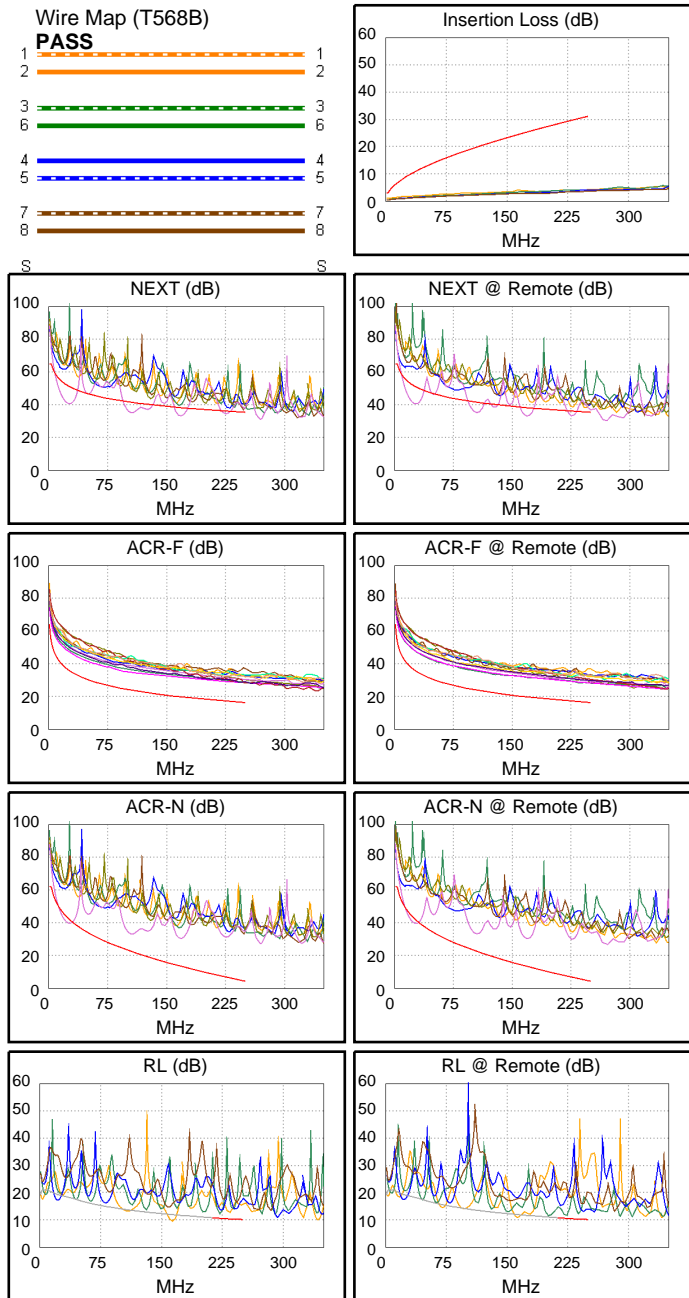
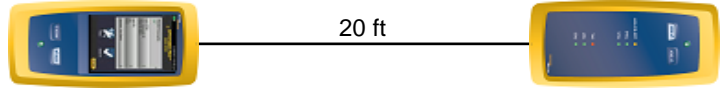
Date / Time: 10/20/2016 07:05:27 PM
Headroom -10.8 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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]	20
Prop. Delay (ns), Limit 498	[Pair 36]	31
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 12]	19.7
Insertion Loss Margin (dB)	[Pair 36]	26.0
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-10.8 F	-10.8 F	-4.9	-3.0
Freq. (MHz)	24.9	24.5	169.0	226.0
Limit (dB)	51.6	51.7	38.1	36.1
Worst Pair	45	45	45	78
PS NEXT (dB)	-8.4 F	-8.4 F	-3.4	-1.0
Freq. (MHz)	24.5	24.5	168.0	226.0
Limit (dB)	49.3	49.3	35.6	33.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	12-45
ACR-F (dB)	10.7	11.2	11.6	11.7
Freq. (MHz)	129.0	127.5	250.0	250.0
Limit (dB)	22.0	22.1	16.2	16.2
Worst Pair	36	45	36	45
PS ACR-F (dB)	11.6	11.2	11.6	11.2
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	13.2	13.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	-3.3	-3.1	17.1	23.1
Freq. (MHz)	22.5	22.9	169.0	226.5
Limit (dB)	43.9	43.7	13.3	6.7
Worst Pair	45	45	45	78
PS ACR-N (dB)	-1.0	-0.8	18.6	25.1
Freq. (MHz)	22.3	22.9	168.0	226.5
Limit (dB)	41.6	41.3	10.8	4.0

FAIL	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-2.4 F	-1.1 F	-2.4	-1.1
Freq. (MHz)	164.0	163.0	164.0	163.0
Limit (dB)	11.9	11.9	11.9	11.9



Cable ID: REABILITACAO83

Date / Time: 10/20/2016 07:07:28 PM

Headroom -5.4 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

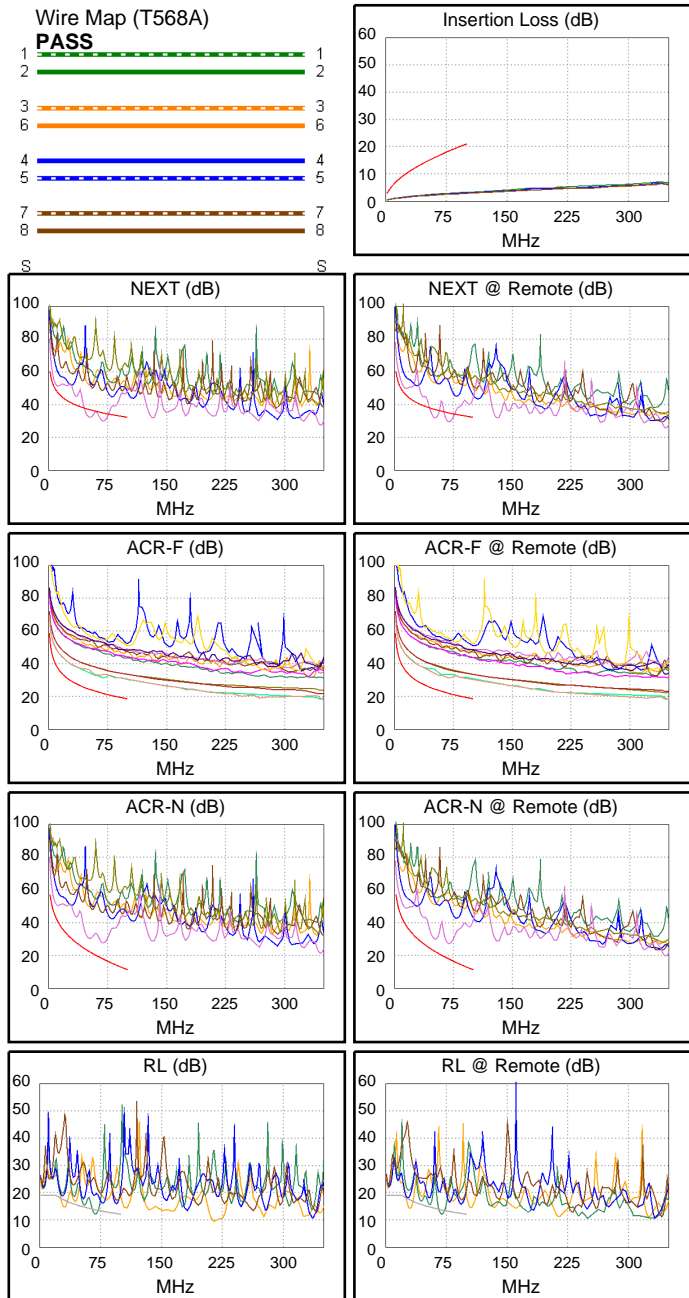
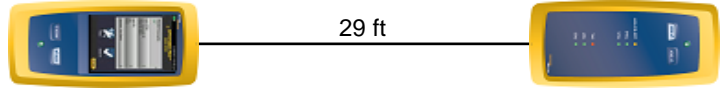
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	29
Prop. Delay (ns), Limit 498	[Pair 36]	43
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	4.0
Insertion Loss Margin (dB)	[Pair 36]	17.9
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.0F	-5.4F	-4.8	-5.2
Freq. (MHz)	68.8	68.8	70.3	70.0
Limit (dB)	35.0	35.0	34.8	34.8
Worst Pair	45	45	45	45
PS NEXT (dB)	-2.1F	-2.4F	-1.9	-2.2
Freq. (MHz)	68.8	68.8	70.0	70.0
Limit (dB)	32.0	32.0	31.8	31.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	78-45	45-78	78-45
ACR-F (dB)	9.4	9.2	11.7	11.6
Freq. (MHz)	57.3	56.0	100.0	100.0
Limit (dB)	23.5	23.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	10.9	11.0	13.0	12.8
Freq. (MHz)	1.0	56.0	100.0	100.0
Limit (dB)	55.6	20.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	8.0	7.5	10.2	9.7
Freq. (MHz)	51.5	51.3	70.3	70.0
Limit (dB)	22.4	22.5	17.5	17.6
Worst Pair	78	45	45	45
PS ACR-N (dB)	10.8	10.4	12.8	12.5
Freq. (MHz)	8.4	51.3	70.0	70.0
Limit (dB)	41.1	19.5	14.6	14.6

FAIL	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	-1.5F	-1.6F	-1.5	-1.6
Freq. (MHz)	69.5	69.8	69.5	69.8
Limit (dB)	13.6	13.6	13.6	13.6



Cable ID: REABILITACAO84

Date / Time: 10/20/2016 07:10:10 PM

Headroom 5.5 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: PASS

Model: DSX-5000

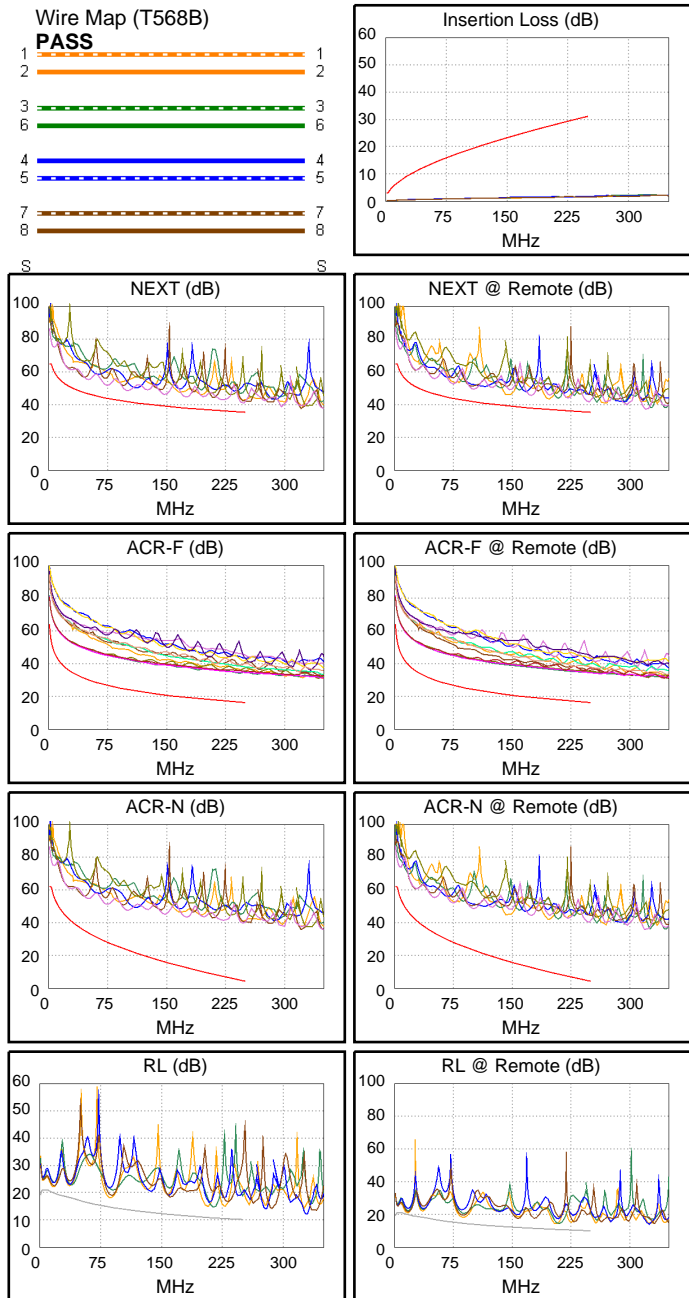
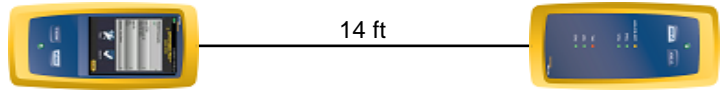
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	14
Prop. Delay (ns), Limit 498	[Pair 12]	22
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.0
Insertion Loss Margin (dB)	[Pair 36]	29.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	45-78
NEXT (dB)	5.5	6.3	5.5	6.4
Freq. (MHz)	248.0	196.5	248.0	249.0
Limit (dB)	35.4	37.1	35.4	35.4
Worst Pair	45	78	45	45
PS NEXT (dB)	5.2	7.4	5.2	7.5
Freq. (MHz)	248.0	246.0	248.0	250.0
Limit (dB)	32.8	32.8	32.8	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	45-12
ACR-F (dB)	17.6	17.7	17.7	17.9
Freq. (MHz)	243.5	7.0	244.5	244.5
Limit (dB)	16.5	47.3	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.1	16.6	17.6	17.9
Freq. (MHz)	1.0	1.0	242.5	249.5
Limit (dB)	61.2	61.2	13.5	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	16.1	16.0	35.1	36.1
Freq. (MHz)	3.8	3.9	248.0	249.0
Limit (dB)	61.1	60.8	4.4	4.3
Worst Pair	45	45	45	45
PS ACR-N (dB)	17.4	17.0	34.6	37.0
Freq. (MHz)	3.8	3.9	248.0	250.0
Limit (dB)	58.6	58.5	1.8	1.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	36	12
RL (dB)	2.2	1.1	3.9	3.4
Freq. (MHz)	16.9	16.9	215.5	207.0
Limit (dB)	19.9	19.9	10.7	10.8

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: REABILITACAO85

Date / Time: 10/20/2016 07:12:26 PM

Headroom 3.8 dB (NEXT 12-36)

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

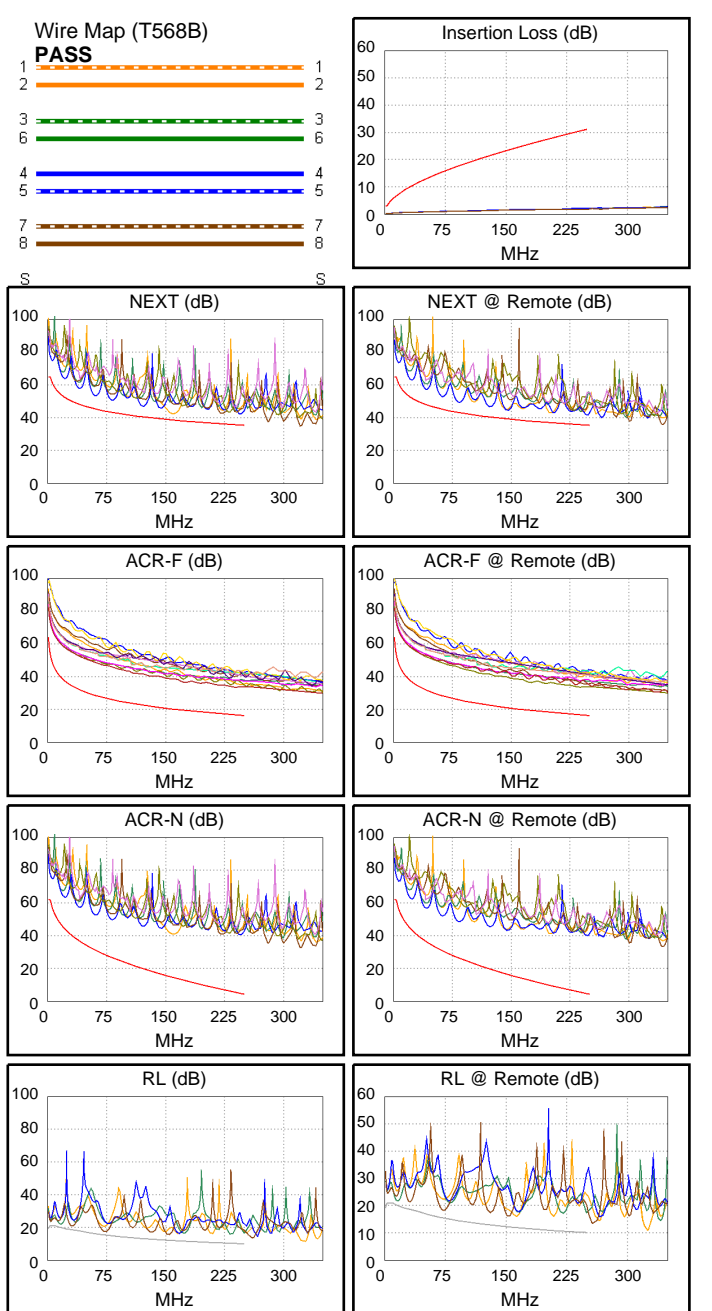
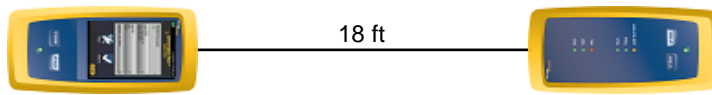
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	18
Prop. Delay (ns), Limit 498	[Pair 12]	27
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.1
Insertion Loss Margin (dB)	[Pair 36]	28.8
Frequency (MHz)	[Pair 36]	248.0
Limit (dB)	[Pair 36]	31.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-78	12-78
NEXT (dB)	3.8	5.2	6.8	6.2
Freq. (MHz)	159.0	145.0	246.0	247.0
Limit (dB)	38.6	39.2	35.5	35.4
Worst Pair	12	12	45	12
PS NEXT (dB)	5.3	4.9	6.5	6.4
Freq. (MHz)	159.5	144.5	239.0	244.5
Limit (dB)	36.0	36.7	33.0	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	16.9	16.9	16.9	16.9
Freq. (MHz)	240.0	240.0	240.0	240.0
Limit (dB)	16.6	16.6	16.6	16.6
Worst Pair	36	45	36	45
PS ACR-F (dB)	17.6	18.0	17.6	18.0
Freq. (MHz)	248.0	240.0	248.0	240.0
Limit (dB)	13.3	13.6	13.3	13.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-N (dB)	15.4	14.8	35.9	35.5
Freq. (MHz)	3.1	3.6	245.5	247.0
Limit (dB)	61.9	61.4	4.7	4.5
Worst Pair	12	12	45	12
PS ACR-N (dB)	16.7	16.0	34.8	35.3
Freq. (MHz)	4.0	4.1	239.0	244.5
Limit (dB)	58.3	58.0	2.7	2.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	12
RL (dB)	2.1	1.6	3.4	5.2
Freq. (MHz)	73.3	15.4	154.0	209.0
Limit (dB)	15.4	20.1	12.1	10.8

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: REABILITACAO86

Date / Time: 10/20/2016 07:13:20 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

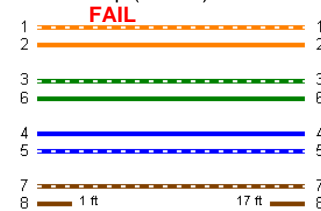
Length (ft), Limit 295	[Pair 78]	1
Prop. Delay (ns), Limit 498	[Pair 45]	27
Delay Skew (ns), Limit 44	[Pair 12]	26
Resistance (ohms)	[Pair 78]	Open
Insertion Loss Margin (dB)	[Pair 78]	-8.4 F
Frequency (MHz)	[Pair 78]	3.4
Limit (dB)	[Pair 78]	3.2



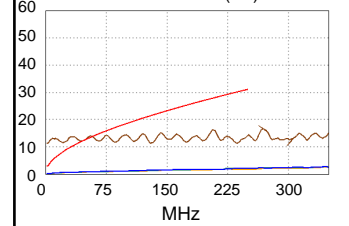
1 ft



Wire Map (T568B)

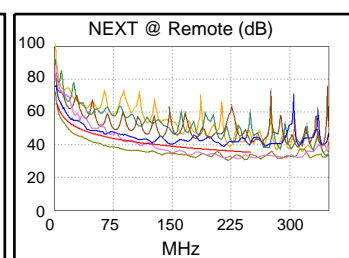
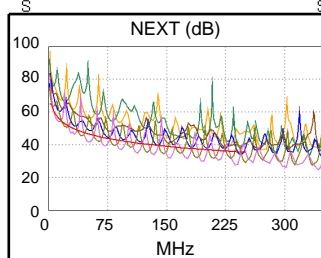


Insertion Loss (dB)

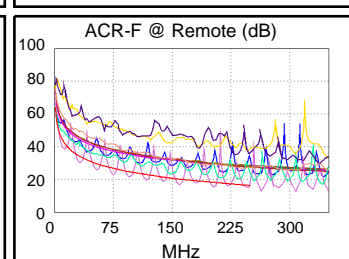
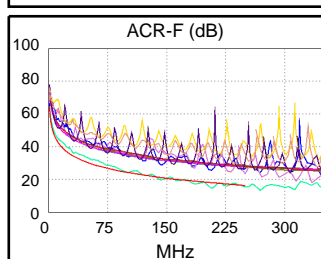


Worst Case Margin Worst Case Value

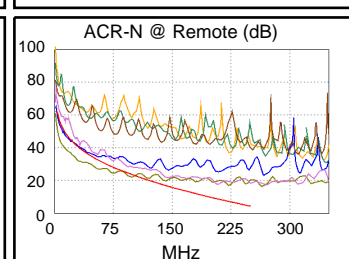
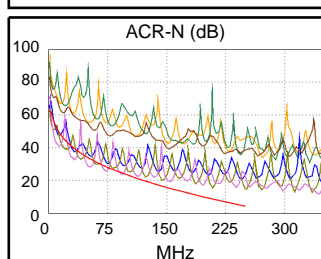
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-78
NEXT (dB)	-8.6 F	-5.9 F	-8.6	-5.8
Freq. (MHz)	239.0	94.3	239.0	221.5
Limit (dB)	35.7	42.3	35.7	36.2
Worst Pair	78	78	78	78
PS NEXT (dB)	-6.6 F	-5.5 F	-6.5	-5.4
Freq. (MHz)	238.0	219.0	239.0	221.5
Limit (dB)	33.1	33.7	33.0	33.6



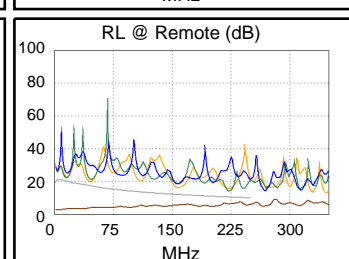
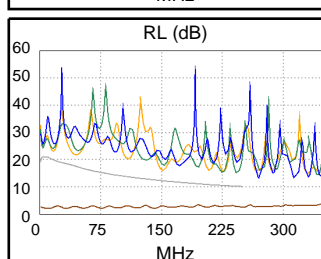
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-78
ACR-F (dB)	-3.2 F	-4.1 F	-3.2	-1.2
Freq. (MHz)	208.0	10.0	208.0	247.0
Limit (dB)	17.8	44.2	17.8	16.3
Worst Pair	78	78	78	78
PS ACR-F (dB)	-0.8 F	-1.7 F	-0.6	1.5
Freq. (MHz)	1.0	9.8	208.0	247.0
Limit (dB)	61.2	41.4	14.8	13.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	36-78	36-78
ACR-N (dB)	-10.0	-11.5	10.7	9.8
Freq. (MHz)	9.0	7.4	250.0	223.0
Limit (dB)	53.3	55.2	4.2	7.0
Worst Pair	78	78	78	78
PS ACR-N (dB)	-8.7	-9.8	12.1	10.2
Freq. (MHz)	9.0	7.3	250.0	223.0
Limit (dB)	51.0	53.0	1.6	4.4



FAIL	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	-18.9 F	-18.4 F	-16.5	-18.4
Freq. (MHz)	10.1	5.0	32.0	5.0
Limit (dB)	21.0	21.0	18.5	21.0





Cable ID: REABILITACAO87

Date / Time: 10/25/2016 09:42:47 AM

Headroom 17.8 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

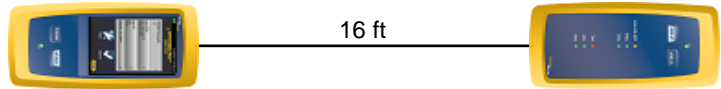
Main S/N: 2420012

Remote S/N: 2420016

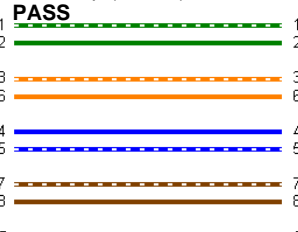
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

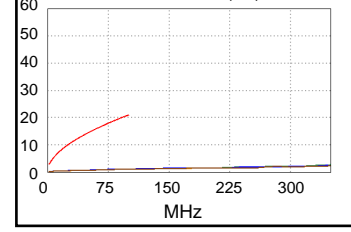
Length (ft), Limit 295	[Pair 12]	16
Prop. Delay (ns), Limit 498	[Pair 45]	23
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 78]	1.0
Insertion Loss Margin (dB)	[Pair 12]	20.0
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



Wire Map (T568A)

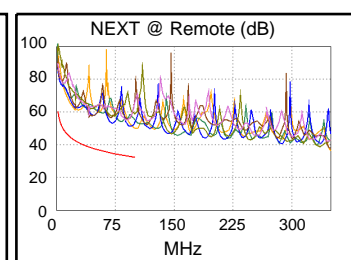
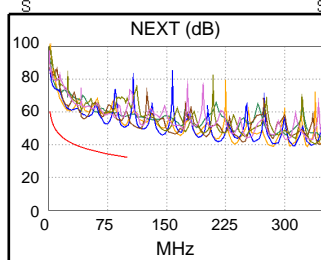


Insertion Loss (dB)

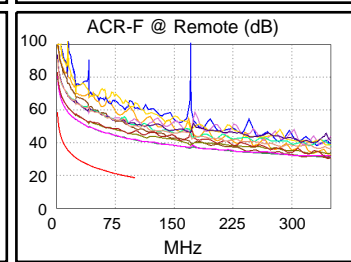
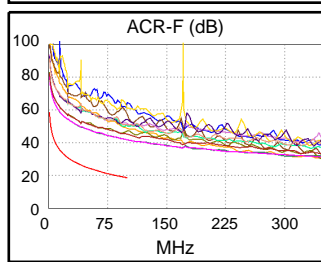


Worst Case Margin Worst Case Value

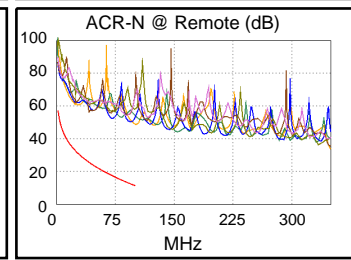
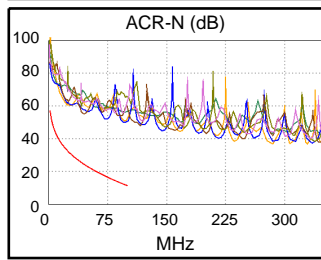
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	12-78	12-36
NEXT (dB)	17.8	17.8	18.3	17.8
Freq. (MHz)	44.5	100.0	97.0	100.0
Limit (dB)	38.1	32.3	32.5	32.3
Worst Pair	12	12	12	12
PS NEXT (dB)	18.2	18.2	18.3	18.3
Freq. (MHz)	96.5	97.8	97.0	99.0
Limit (dB)	29.6	29.5	29.5	29.4



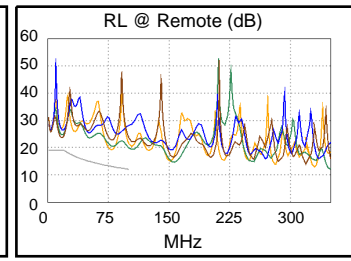
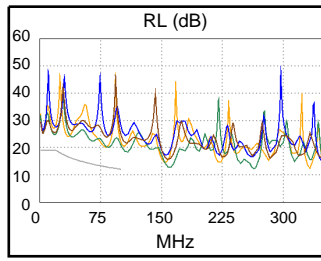
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	45-12	12-45
ACR-F (dB)	22.7	22.8	23.2	23.2
Freq. (MHz)	91.5	91.5	100.0	100.0
Limit (dB)	19.4	19.4	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	23.3	22.8	23.8	24.2
Freq. (MHz)	1.3	1.0	91.0	100.0
Limit (dB)	53.7	55.6	16.4	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-36
ACR-N (dB)	26.7	26.8	38.0	37.8
Freq. (MHz)	3.5	2.4	97.0	100.0
Limit (dB)	52.0	55.3	11.9	11.3
Worst Pair	78	12	12	12
PS ACR-N (dB)	27.6	28.0	38.0	38.5
Freq. (MHz)	2.0	2.4	97.0	100.0
Limit (dB)	53.5	52.3	8.9	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	78	12	12
RL (dB)	5.7	4.6	7.2	6.2
Freq. (MHz)	18.3	18.0	82.0	79.0
Limit (dB)	19.0	19.0	12.9	13.0



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



Cable ID: REABILITACAO88

Date / Time: 10/25/2016 09:44:16 AM

Headroom 12.3 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

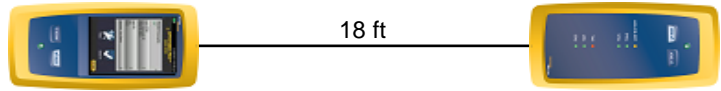
Main S/N: 2420012

Remote S/N: 2420016

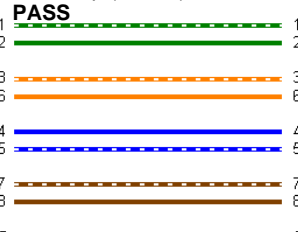
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

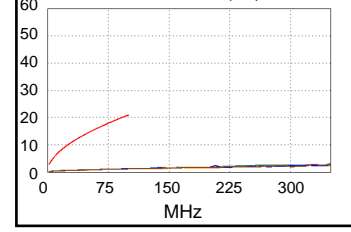
Length (ft), Limit 295	[Pair 78]	18
Prop. Delay (ns), Limit 498	[Pair 12]	27
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.1
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

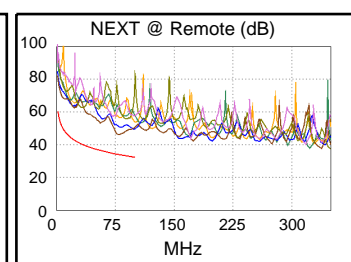
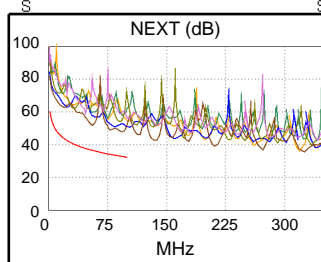


Insertion Loss (dB)

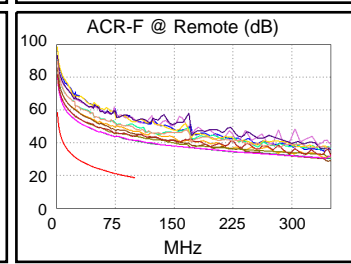
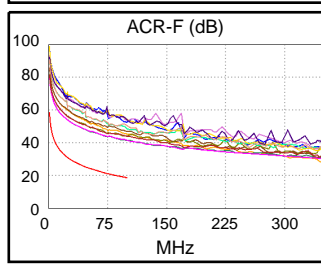


Worst Case Margin Worst Case Value

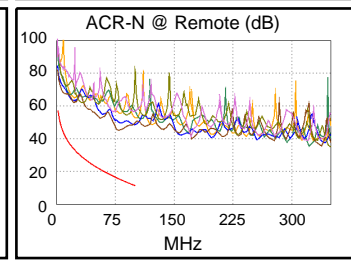
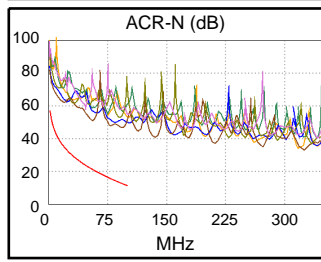
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	14.9	12.3	15.3	12.5
Freq. (MHz)	78.3	79.3	94.8	80.8
Limit (dB)	34.1	34.0	32.7	33.8
Worst Pair	36	36	36	36
PS NEXT (dB)	17.1	14.9	17.1	15.0
Freq. (MHz)	93.3	80.5	93.3	80.8
Limit (dB)	29.8	30.9	29.8	30.8



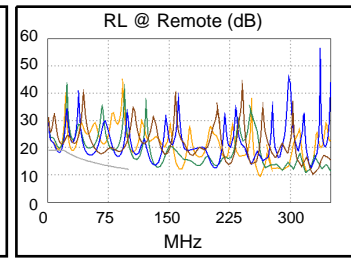
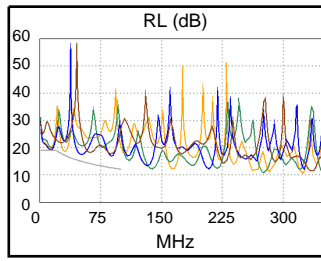
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	12-45	12-45
ACR-F (dB)	22.3	22.3	22.8	23.0
Freq. (MHz)	74.3	74.3	98.5	100.0
Limit (dB)	21.2	21.2	18.7	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	22.3	22.4	23.6	23.5
Freq. (MHz)	1.0	1.0	98.5	100.0
Limit (dB)	55.6	55.6	15.7	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	22.1	21.9	34.6	30.1
Freq. (MHz)	3.6	2.3	94.8	80.8
Limit (dB)	51.7	55.7	12.3	15.2
Worst Pair	36	45	36	36
PS ACR-N (dB)	24.3	24.2	36.3	32.6
Freq. (MHz)	3.6	2.3	93.3	80.8
Limit (dB)	48.7	52.7	9.6	12.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	0.1	-0.8	4.4	4.1
Freq. (MHz)	14.3	14.8	89.0	87.8
Limit (dB)	19.0	19.0	12.5	12.6



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



Cable ID: REABILITACAO89

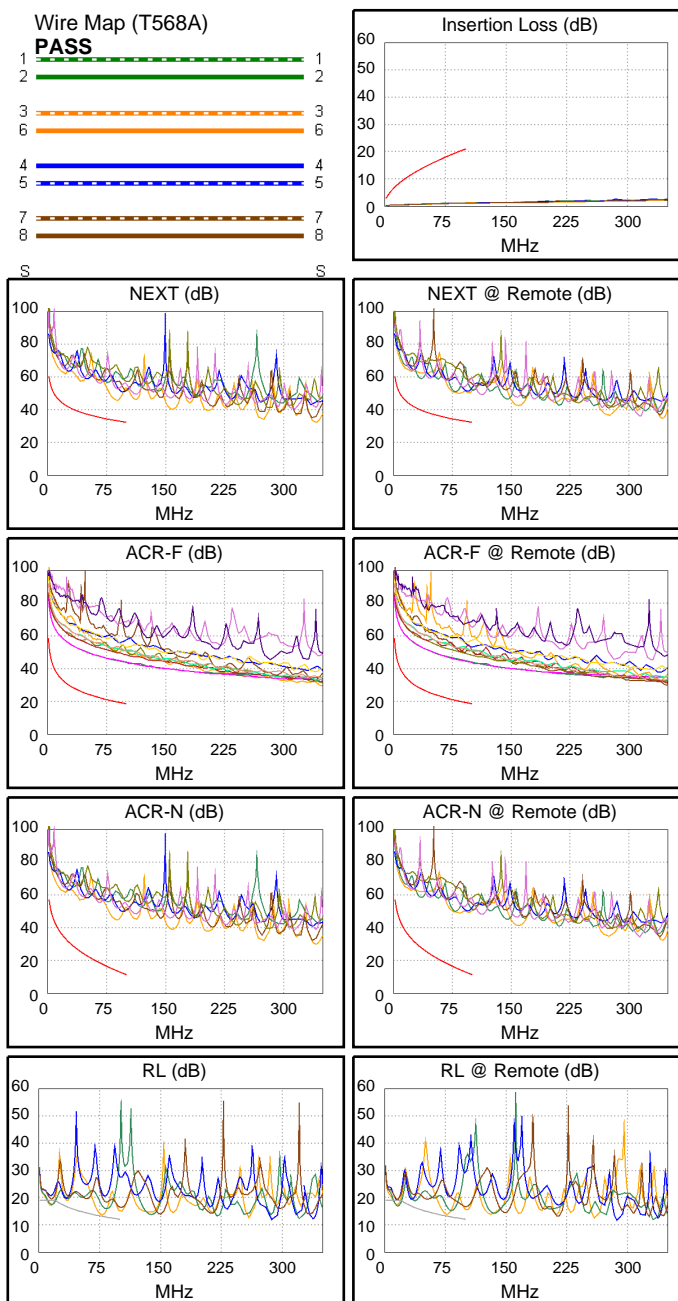
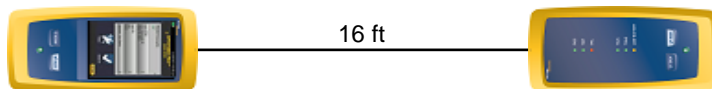
Date / Time: 10/25/2016 09:44:51 AM
Headroom 12.4 dB (NEXT 12-36)
 Test Limit: TIA 1005 Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

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: 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]	16
Prop. Delay (ns), Limit 498	[Pair 45]	25
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 12]	1.1
Insertion Loss Margin (dB)	[Pair 12]	19.9
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	12.4	16.4	12.4	16.5
Freq. (MHz)	88.8	81.5	88.8	84.5
Limit (dB)	33.2	33.8	33.2	33.5
Worst Pair	12	12	12	12
PS NEXT (dB)	14.7	16.4	14.8	17.4
Freq. (MHz)	88.8	78.3	89.0	97.3
Limit (dB)	30.2	31.1	30.1	29.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	12-45	45-12
ACR-F (dB)	25.1	25.0	25.2	25.1
Freq. (MHz)	80.0	78.8	100.0	100.0
Limit (dB)	20.6	20.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	26.1	25.8	26.8	26.6
Freq. (MHz)	1.3	1.1	100.0	100.0
Limit (dB)	53.7	54.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	25.3	26.0	31.1	34.6
Freq. (MHz)	4.0	8.9	88.8	84.5
Limit (dB)	50.9	43.5	13.5	14.4
Worst Pair	12	12	12	12
PS ACR-N (dB)	26.1	26.3	33.5	37.1
Freq. (MHz)	4.0	4.0	89.0	97.3
Limit (dB)	47.9	47.9	10.5	8.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	12
RL (dB)	-1.9	-2.1	0.7	0.8
Freq. (MHz)	15.9	16.5	79.3	77.0
Limit (dB)	19.0	19.0	13.0	13.1

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



Cable ID: REABILITACAO9

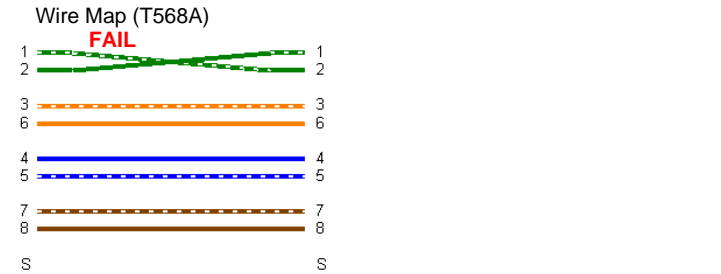
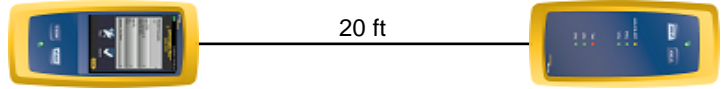
Date / Time: 10/10/2016 08:03:09 PM
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

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)	[Pair 12]	20
Prop. Delay (ns)	[Pair 36]	31
Delay Skew (ns)	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.9





Cable ID: REABILITACAO90

Date / Time: 10/25/2016 09:57:00 AM

Headroom 14.1 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: PASS

Model: DSX-5000

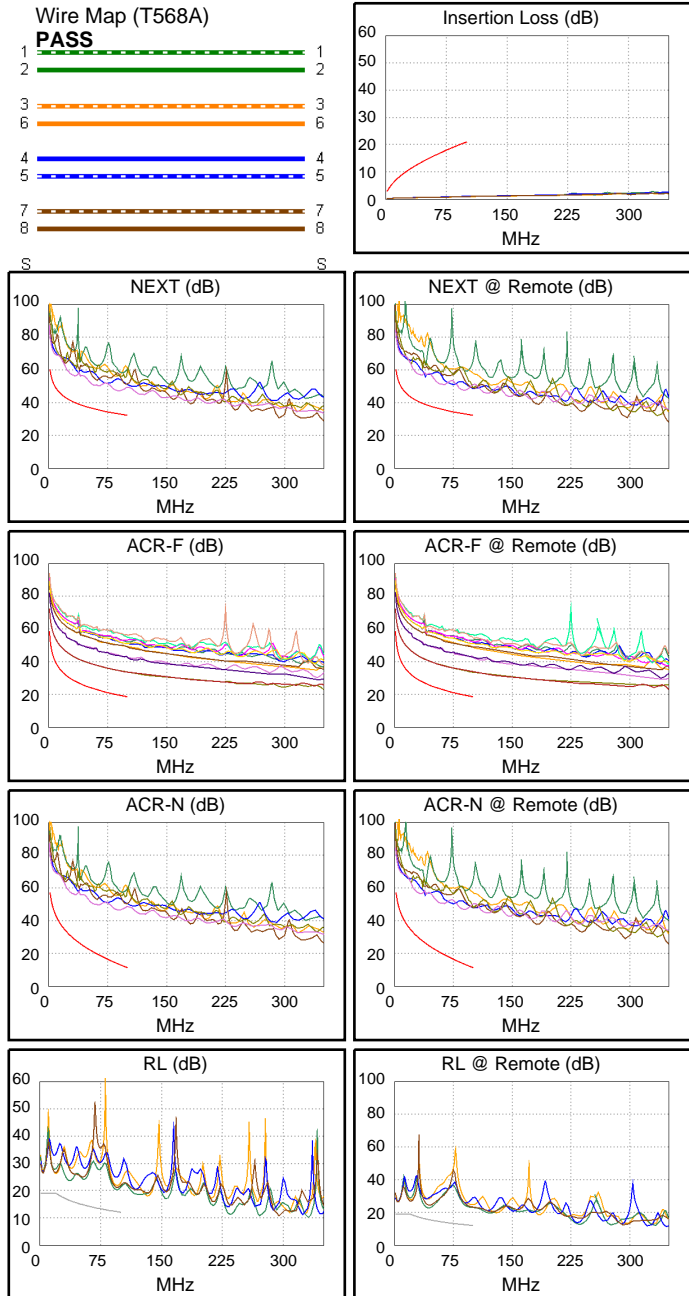
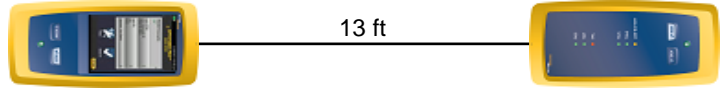
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	13
Prop. Delay (ns), Limit 498	[Pair 45]	19
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	1.0
Insertion Loss Margin (dB)	[Pair 36]	20.1
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	14.1	14.4	14.2	14.5
Freq. (MHz)	87.5	87.5	89.8	89.8
Limit (dB)	33.3	33.3	33.1	33.1

Worst Pair	45	78	78	78
PS NEXT (dB)	15.9	15.5	16.0	15.5
Freq. (MHz)	62.5	100.0	89.8	100.0
Limit (dB)	32.7	29.3	30.1	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	13.8	13.8	15.0	15.0
Freq. (MHz)	2.0	2.0	100.0	100.0
Limit (dB)	52.6	52.6	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	16.1	16.2	17.4	17.5
Freq. (MHz)	1.3	1.5	100.0	100.0
Limit (dB)	53.7	52.1	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	22.5	22.8	33.2	33.5
Freq. (MHz)	1.9	3.9	89.8	89.8
Limit (dB)	57.0	51.1	13.3	13.3

Worst Pair	78	78	78	78
PS ACR-N (dB)	23.6	23.6	35.0	35.7
Freq. (MHz)	1.9	3.9	89.8	100.0
Limit (dB)	54.0	48.1	10.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	7.1	7.1	8.1	7.3
Freq. (MHz)	36.8	43.3	95.8	44.8
Limit (dB)	16.4	15.7	12.2	15.5

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



Cable ID: REABILITACAO91

Date / Time: 10/25/2016 09:57:26 AM

Headroom 14.1 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: PASS

Model: DSX-5000

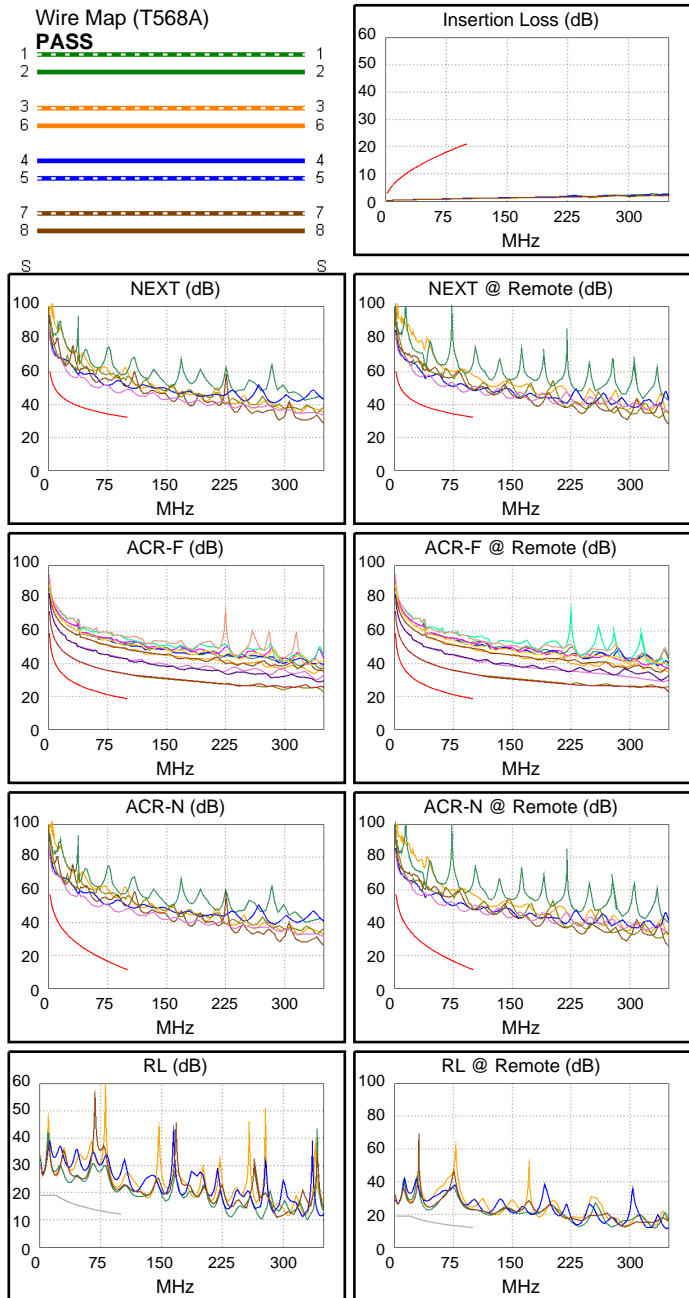
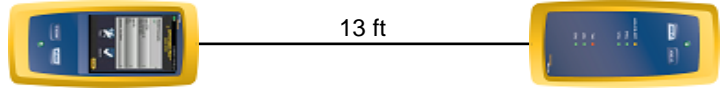
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	13
Prop. Delay (ns), Limit 498	[Pair 45]	19
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.9
Insertion Loss Margin (dB)	[Pair 36]	20.1
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	14.1	14.5	14.4	14.6
Freq. (MHz)	87.5	87.8	90.5	89.8
Limit (dB)	33.3	33.2	33.0	33.1

Worst Pair	45	78	78	78
PS NEXT (dB)	15.8	15.5	16.1	15.5
Freq. (MHz)	59.8	100.0	90.5	100.0
Limit (dB)	33.0	29.3	30.0	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	13.8	13.8	14.9	14.9
Freq. (MHz)	2.5	2.5	100.0	100.0
Limit (dB)	50.7	50.7	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	16.1	16.1	17.3	17.4
Freq. (MHz)	1.6	1.3	100.0	100.0
Limit (dB)	51.4	53.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	22.2	22.9	33.4	33.6
Freq. (MHz)	2.0	2.9	90.5	89.8
Limit (dB)	56.5	53.7	13.2	13.3
Worst Pair	78	78	78	78
PS ACR-N (dB)	23.4	23.6	35.1	35.7
Freq. (MHz)	2.0	2.5	90.5	100.0
Limit (dB)	53.5	51.8	10.2	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	36	36
RL (dB)	7.1	7.0	8.0	7.1
Freq. (MHz)	20.1	43.3	95.3	44.3
Limit (dB)	19.0	15.7	12.2	15.6

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



Cable ID: REABILITACAO92

Date / Time: 10/25/2016 09:59:15 AM

Headroom 8.0 dB (NEXT 12-45)

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

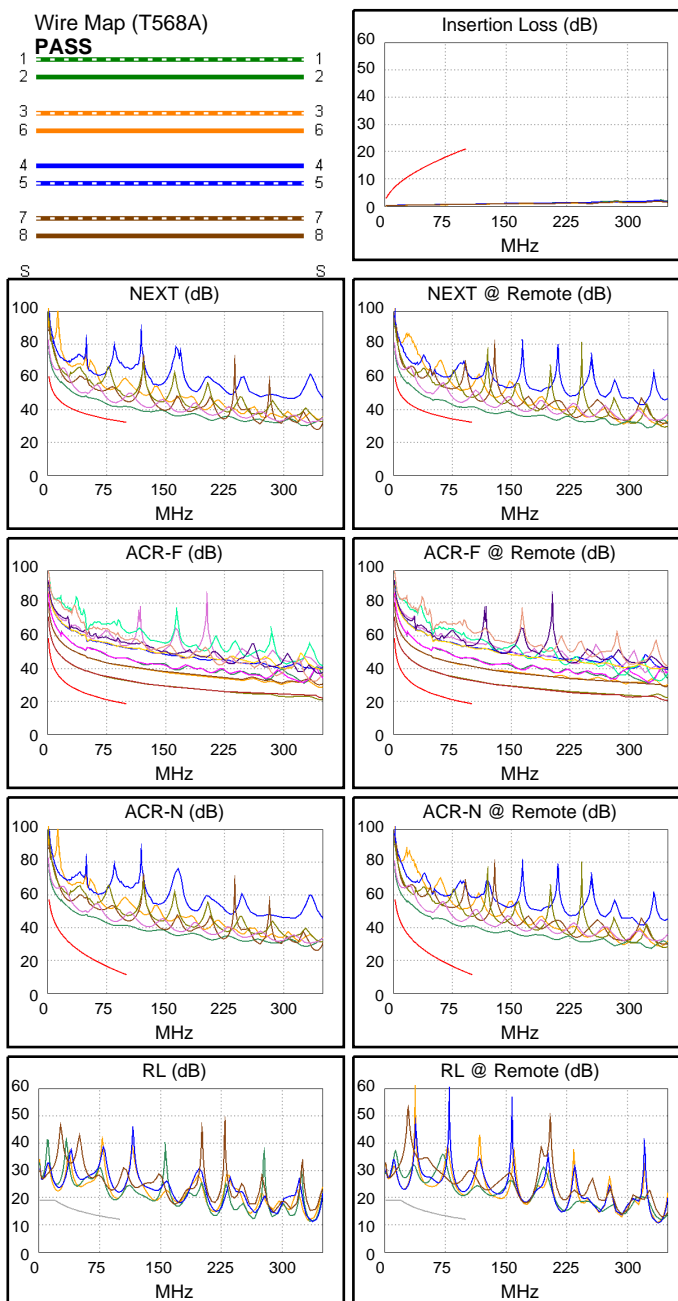
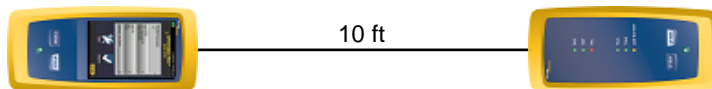
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	10
Prop. Delay (ns), Limit 498	[Pair 12]	14
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 45]	0.7
Insertion Loss Margin (dB)	[Pair 36]	20.2
Frequency (MHz)	[Pair 36]	99.8
Limit (dB)	[Pair 36]	20.9



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	8.5	8.0	8.9	8.4
Freq. (MHz)	85.0	83.8	92.3	90.5
Limit (dB)	33.5	33.6	32.9	33.0
Worst Pair	45	45	45	45
PS NEXT (dB)	9.3	9.1	10.1	9.5
Freq. (MHz)	85.0	82.8	96.8	88.3
Limit (dB)	30.5	30.7	29.5	30.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	13.1	13.0	14.0	14.0
Freq. (MHz)	2.1	1.8	99.8	100.0
Limit (dB)	52.1	53.8	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	15.5	15.4	16.5	16.7
Freq. (MHz)	2.0	1.0	100.0	100.0
Limit (dB)	49.6	55.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	17.3	17.0	28.4	27.6
Freq. (MHz)	4.0	2.4	92.3	90.5
Limit (dB)	50.9	55.3	12.8	13.2
Worst Pair	45	45	45	45
PS ACR-N (dB)	18.2	18.2	30.5	28.5
Freq. (MHz)	4.0	2.4	99.0	88.3
Limit (dB)	47.9	52.3	8.5	10.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	45	36	36
RL (dB)	4.0	4.6	7.0	8.6
Freq. (MHz)	22.6	22.6	95.5	98.3
Limit (dB)	18.5	18.5	12.2	12.1

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



Cable ID: REABILITACAO93

Date / Time: 10/25/2016 10:00:18 AM

Headroom -0.4 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

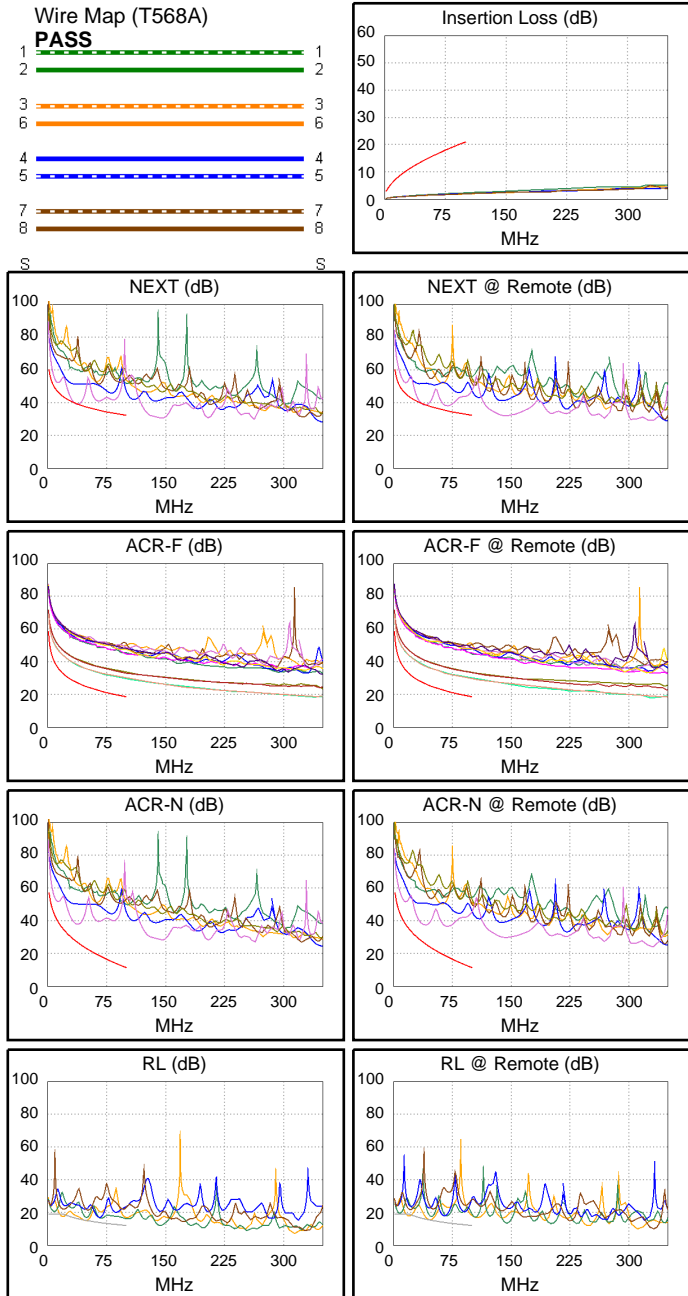
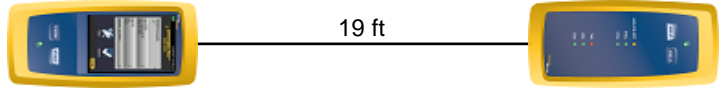
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	19
Prop. Delay (ns), Limit 498	[Pair 36]	29
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.6
Insertion Loss Margin (dB)	[Pair 36]	18.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-0.3F	-0.4F	0.0	3.3
Freq. (MHz)	37.0	38.0	38.8	70.0
Limit (dB)	39.4	39.2	39.0	34.8
Worst Pair	78	78	78	78
PS NEXT (dB)	2.4	2.4	2.9	6.1
Freq. (MHz)	36.5	38.0	39.5	70.0
Limit (dB)	36.5	36.2	35.9	31.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
ACR-F (dB)	10.5	10.5	11.0	10.9
Freq. (MHz)	1.5	2.5	100.0	100.0
Limit (dB)	55.1	50.7	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	11.5	11.5	12.4	12.3
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	54.6	54.6	15.6	15.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	10.6	10.8	11.4	19.0
Freq. (MHz)	35.0	36.8	38.8	70.0
Limit (dB)	27.8	27.2	26.5	17.6
Worst Pair	78	78	78	45
PS ACR-N (dB)	13.3	13.6	14.5	21.8
Freq. (MHz)	35.0	36.8	39.5	70.0
Limit (dB)	24.8	24.2	23.2	14.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	-1.5	-1.2	0.0	0.2
Freq. (MHz)	20.1	20.1	49.8	47.3
Limit (dB)	19.0	19.0	15.0	15.3



Cable ID: REABILITACAO94

Date / Time: 10/25/2016 10:03:46 AM

Headroom 16.4 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

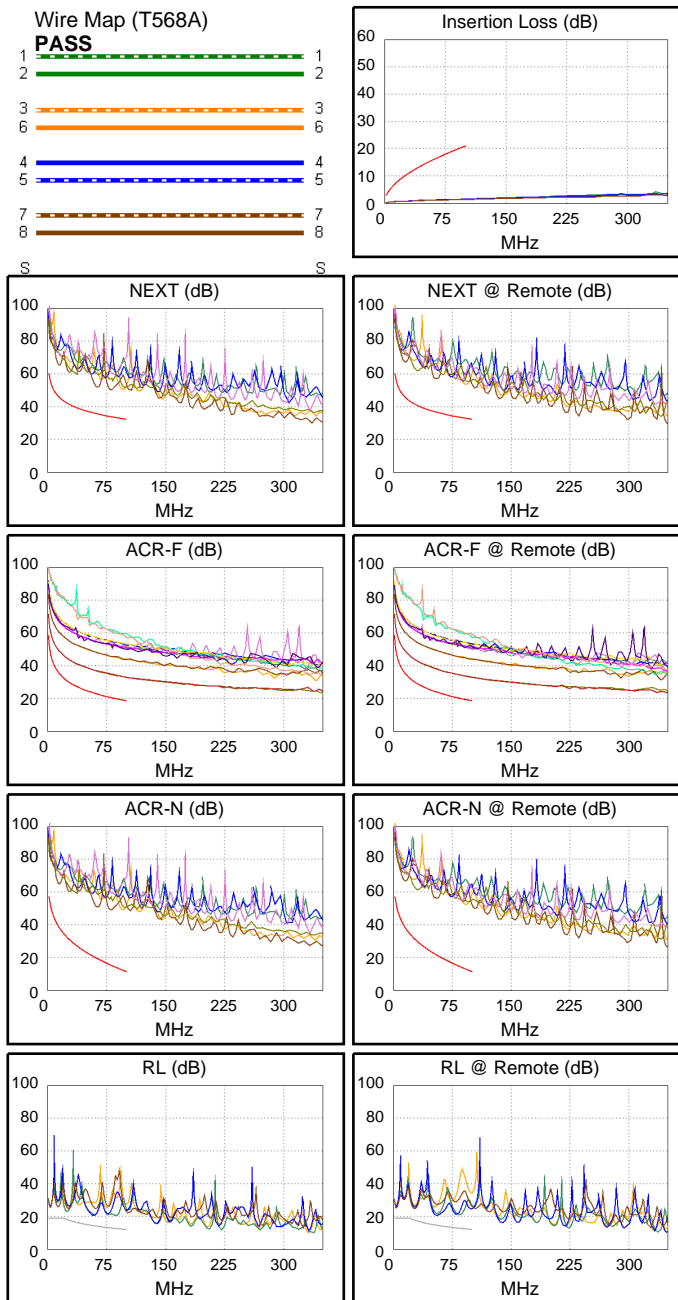
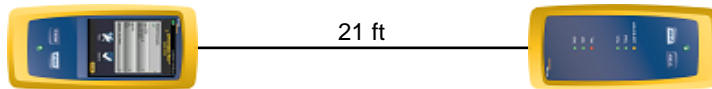
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 78]	21
Prop. Delay (ns), Limit 498	[Pair 45]	33
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 36]	1.3
Insertion Loss Margin (dB)	[Pair 45]	19.6
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	16.4	20.5	16.6	21.4
Freq. (MHz)	63.3	52.8	81.3	100.0
Limit (dB)	35.6	36.9	33.8	32.3
Worst Pair	36	36	36	36
PS NEXT (dB)	18.3	20.7	18.4	20.8
Freq. (MHz)	97.5	91.3	98.5	92.0
Limit (dB)	29.5	30.0	29.4	29.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-F (dB)	13.1	13.1	14.3	14.3
Freq. (MHz)	1.9	1.9	100.0	100.0
Limit (dB)	53.2	53.2	18.6	18.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	15.7	15.6	17.0	17.0
Freq. (MHz)	1.4	1.0	100.0	100.0
Limit (dB)	52.8	55.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	26.2	27.8	34.0	41.0
Freq. (MHz)	13.4	12.8	81.3	100.0
Limit (dB)	39.3	39.8	15.1	11.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	27.9	29.0	37.9	39.5
Freq. (MHz)	13.4	11.4	98.5	92.0
Limit (dB)	36.3	38.0	8.6	9.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	4.9	6.1	7.9	6.1
Freq. (MHz)	24.9	55.5	87.3	55.5
Limit (dB)	18.1	14.6	12.6	14.6

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



Cable ID: REABILITACAO95

Date / Time: 10/25/2016 10:05:25 AM

Headroom 13.8 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: PASS

Model: DSX-5000

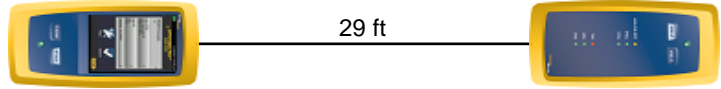
Main S/N: 2420012

Remote S/N: 2420016

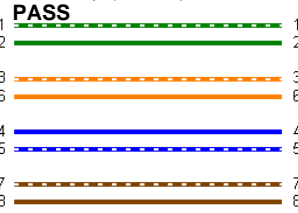
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

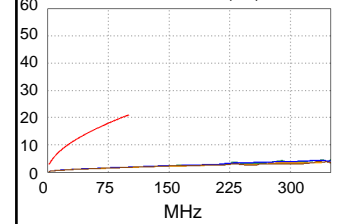
Length (ft), Limit 295	[Pair 36]	29
Prop. Delay (ns), Limit 498	[Pair 45]	45
Delay Skew (ns), Limit 44	[Pair 45]	2
Resistance (ohms)	[Pair 36]	1.7
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

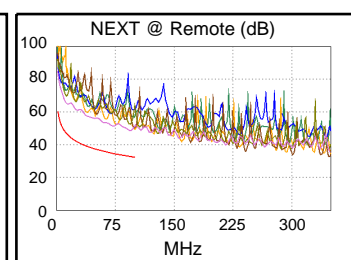
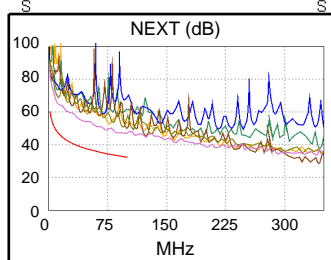


Insertion Loss (dB)

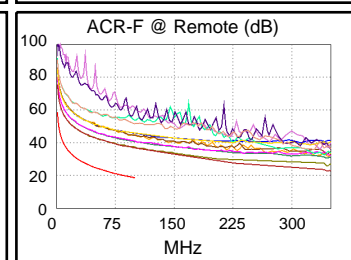
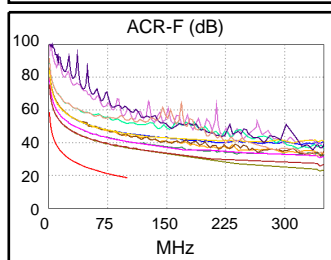


Worst Case Margin Worst Case Value

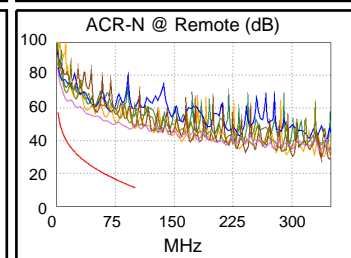
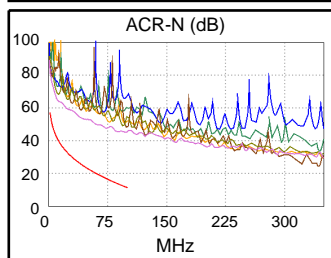
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	13.8	15.8	14.4	15.9
Freq. (MHz)	87.5	93.8	98.0	94.0
Limit (dB)	33.3	32.8	32.4	32.7
Worst Pair	45	78	45	36
PS NEXT (dB)	15.7	17.3	15.7	17.4
Freq. (MHz)	99.3	93.8	99.3	100.0
Limit (dB)	29.4	29.8	29.4	29.3



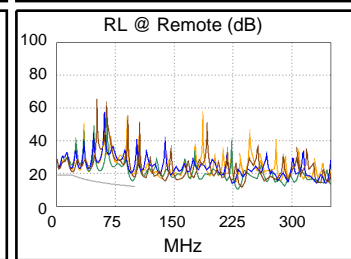
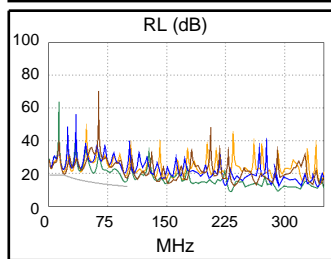
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	17.2	17.2	18.2	18.2
Freq. (MHz)	3.0	3.3	100.0	100.0
Limit (dB)	49.1	48.4	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	18.3	18.1	19.6	20.0
Freq. (MHz)	1.3	1.1	100.0	100.0
Limit (dB)	53.7	54.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	23.5	24.5	33.7	34.5
Freq. (MHz)	9.9	11.3	99.0	94.0
Limit (dB)	42.4	41.1	11.5	12.5
Worst Pair	78	78	45	36
PS ACR-N (dB)	24.9	25.7	34.8	36.6
Freq. (MHz)	10.3	2.3	99.3	100.0
Limit (dB)	39.0	52.7	8.5	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	36	36
RL (dB)	0.6	1.9	2.5	3.4
Freq. (MHz)	19.9	20.1	97.5	97.0
Limit (dB)	19.0	19.0	12.1	12.1



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



Cable ID: REABILITACAO96

Date / Time: 10/25/2016 10:12:17 AM

Headroom 0.3 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

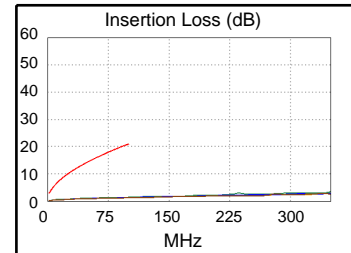
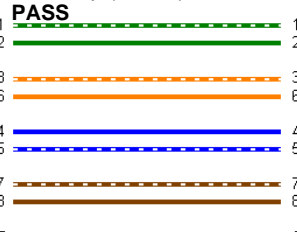
Length (ft), Limit 295	[Pair 45]	11
Prop. Delay (ns), Limit 498	[Pair 36]	18
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.9
Insertion Loss Margin (dB)	[Pair 12]	18.0
Frequency (MHz)	[Pair 12]	87.0
Limit (dB)	[Pair 12]	19.4



11 ft

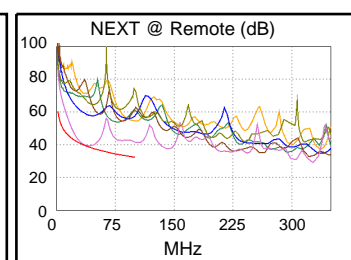
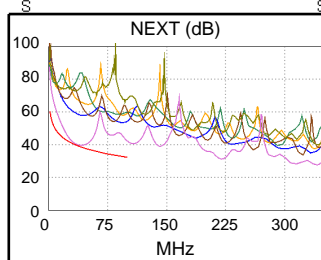


Wire Map (T568A)

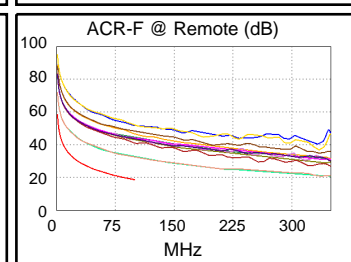
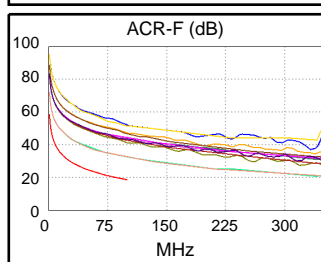


Worst Case Margin Worst Case Value

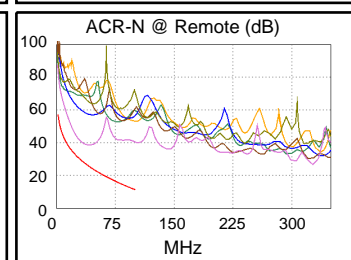
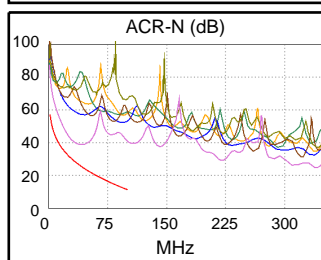
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	0.6	0.3*	0.8	1.2
Freq. (MHz)	37.5	37.0	40.0	43.5
Limit (dB)	39.3	39.4	38.8	38.2
Worst Pair	78	78	78	78
PS NEXT (dB)	3.5	3.2	3.7	4.1
Freq. (MHz)	37.5	37.0	40.0	43.5
Limit (dB)	36.3	36.4	35.8	35.2



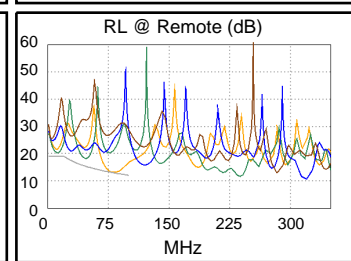
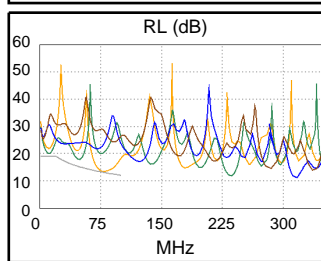
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	78-45	45-78
ACR-F (dB)	13.4	13.5	13.7	13.7
Freq. (MHz)	56.0	90.8	100.0	100.0
Limit (dB)	23.7	19.5	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.7	15.9	16.0	16.2
Freq. (MHz)	56.0	56.0	100.0	100.0
Limit (dB)	20.7	20.7	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	11.5	11.3	12.9	13.9
Freq. (MHz)	30.9	31.1	40.0	43.5
Limit (dB)	29.5	29.4	26.0	24.8
Worst Pair	78	45	78	45
PS ACR-N (dB)	14.4	14.3	15.8	16.8
Freq. (MHz)	30.9	32.3	40.0	43.5
Limit (dB)	26.5	25.9	23.0	21.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	0.3	0.1	0.4	0.3
Freq. (MHz)	78.5	80.5	80.5	84.3
Limit (dB)	13.1	13.0	13.0	12.8



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

* Measurement is within the accuracy limits of the instrument.



Cable ID: REABILITACAO97

Date / Time: 10/25/2016 10:13:50 AM

Headroom 16.5 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

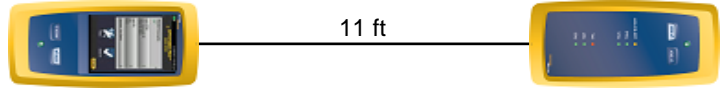
Main S/N: 2420012

Remote S/N: 2420016

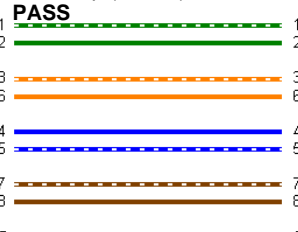
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

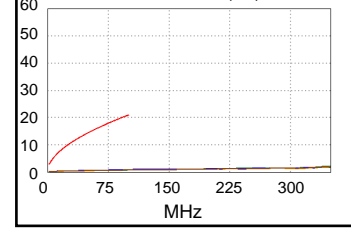
Length (ft), Limit 295	[Pair 36]	11
Prop. Delay (ns), Limit 498	[Pair 45]	18
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	0.9
Insertion Loss Margin (dB)	[Pair 45]	20.2
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Wire Map (T568A)

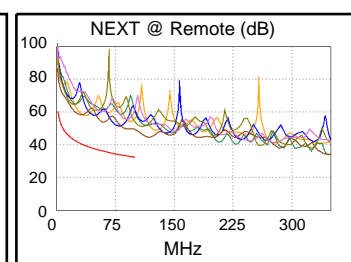
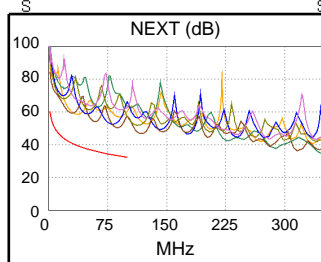


Insertion Loss (dB)

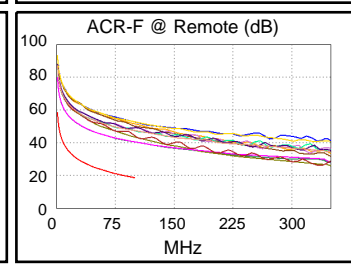
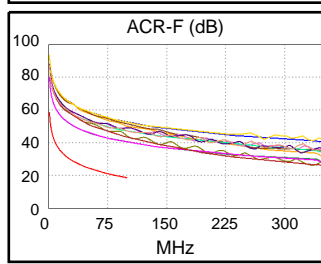


Worst Case Margin Worst Case Value

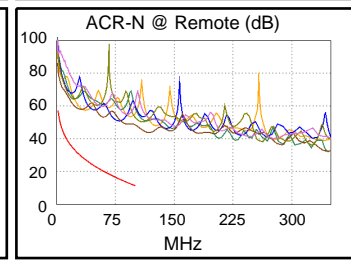
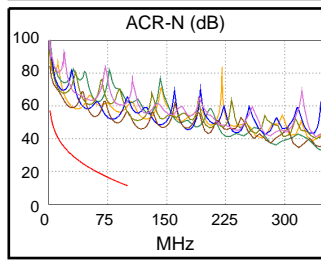
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	17.1	16.5	17.2	17.1
Freq. (MHz)	87.5	88.8	87.8	100.0
Limit (dB)	33.3	33.2	33.2	32.3
Worst Pair	36	36	36	36
PS NEXT (dB)	18.4	17.8	19.3	18.1
Freq. (MHz)	28.3	30.8	88.3	100.0
Limit (dB)	38.3	37.7	30.2	29.3



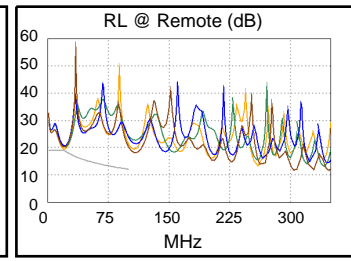
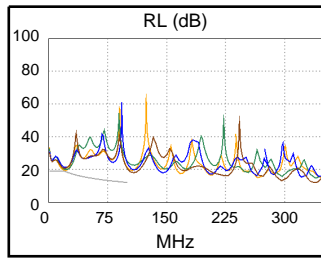
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	21.3	21.3	21.8	21.7
Freq. (MHz)	8.9	7.1	100.0	100.0
Limit (dB)	39.7	41.6	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	22.5	22.3	22.7	22.3
Freq. (MHz)	77.3	100.0	100.0	100.0
Limit (dB)	17.9	15.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	25.4	24.1	36.0	37.3
Freq. (MHz)	3.5	2.3	87.8	100.0
Limit (dB)	52.0	55.7	13.7	11.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	26.8	25.3	38.2	38.4
Freq. (MHz)	3.5	2.5	88.3	100.0
Limit (dB)	49.0	51.8	10.6	8.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	0.4	0.5	0.5	0.6
Freq. (MHz)	20.1	20.5	21.0	21.0
Limit (dB)	19.0	18.9	18.8	18.8



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



Cable ID: REABILITACAO98

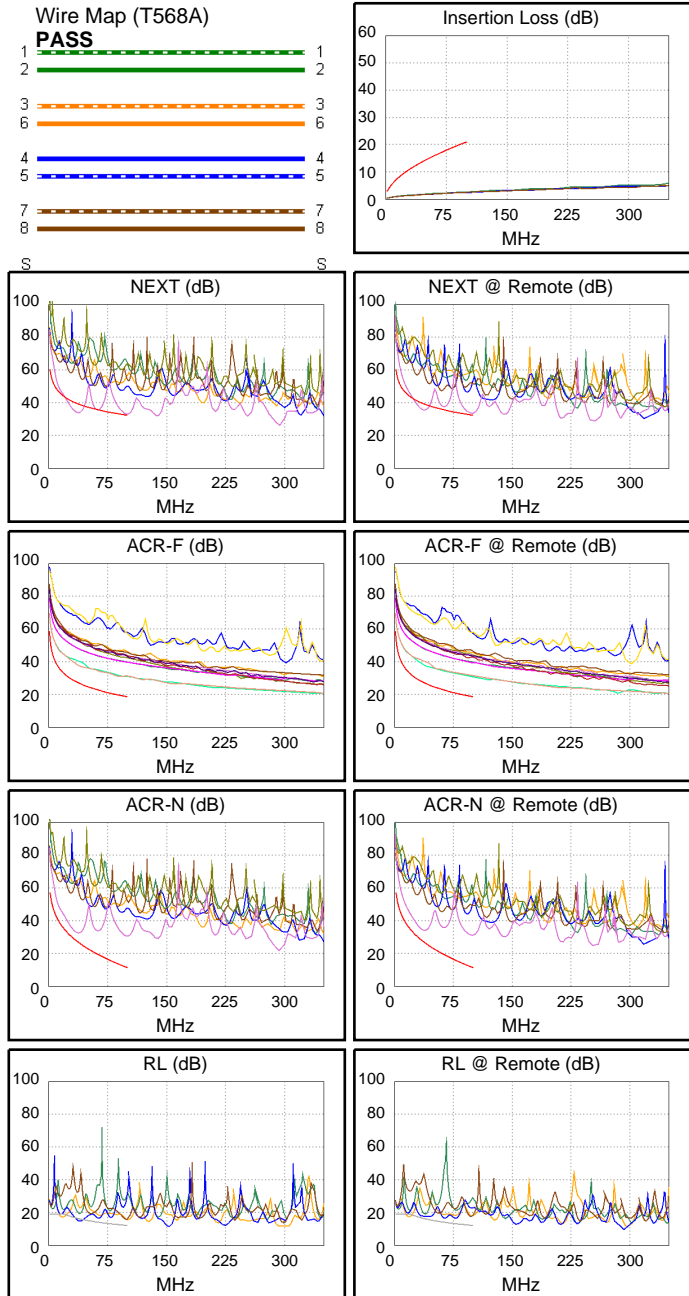
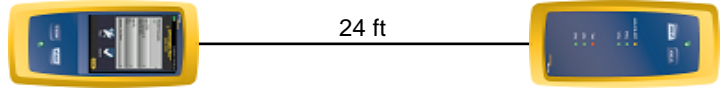
Date / Time: 10/25/2016 10:14:50 AM
Headroom -5.4 dB (NEXT 45-78)
Test Limit: TIA 1005 Cat 5e Perm. Link
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

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 12]	24
Prop. Delay (ns), Limit 498	[Pair 36]	36
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	3.3
Insertion Loss Margin (dB)	[Pair 36]	18.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



	Worst Case Margin		Worst Case Value	
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	-5.4 F	-3.8 F	0.7	1.2
Freq. (MHz)	37.0	37.0	100.0	100.0
Limit (dB)	39.4	39.4	32.3	32.3
Worst Pair	45	45	78	45
PS NEXT (dB)	-2.4 F	-0.8 F	3.6	4.1
Freq. (MHz)	37.0	37.0	100.0	100.0
Limit (dB)	36.4	36.4	29.3	29.3
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-78	45-78
ACR-F (dB)	10.6	10.7	12.3	11.6
Freq. (MHz)	41.0	38.3	100.0	91.3
Limit (dB)	26.4	27.0	18.6	19.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	13.1	13.5	14.2	14.7
Freq. (MHz)	41.0	1.9	94.5	100.0
Limit (dB)	23.4	50.2	16.1	15.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-N (dB)	5.1	6.7	19.3	19.8
Freq. (MHz)	33.8	34.0	100.0	100.0
Limit (dB)	28.3	28.2	11.3	11.3
Worst Pair	45	45	78	78
PS ACR-N (dB)	8.0	9.6	22.2	22.5
Freq. (MHz)	33.8	34.0	100.0	99.3
Limit (dB)	25.3	25.2	8.3	8.5
N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	-1.9	-1.6	-1.3	2.5
Freq. (MHz)	18.4	19.1	40.5	64.0
Limit (dB)	19.0	19.0	15.9	13.9



Cable ID: REABILITACAO99

Date / Time: 10/25/2016 10:17:06 AM

Headroom 15.4 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: PASS

Model: DSX-5000

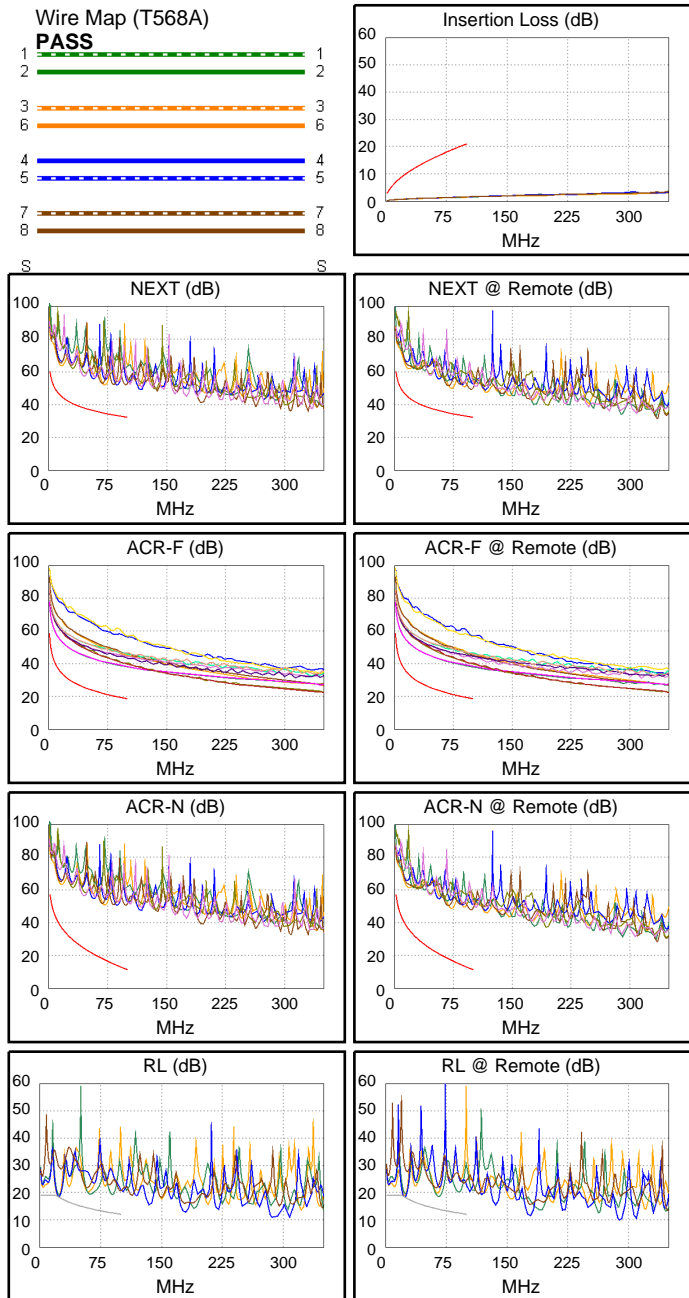
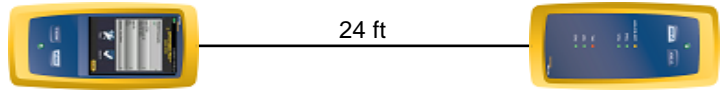
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	24
Prop. Delay (ns), Limit 498	[Pair 45]	37
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.4
Insertion Loss Margin (dB)	[Pair 45]	19.5
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
NEXT (dB)	17.3	15.4	17.5	17.0
Freq. (MHz)	70.8	72.8	72.0	98.3
Limit (dB)	34.8	34.6	34.6	32.4
Worst Pair	36	36	12	45
PS NEXT (dB)	17.9	16.3	19.6	18.4
Freq. (MHz)	68.8	70.8	87.8	99.8
Limit (dB)	32.0	31.8	30.2	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	19.1	19.1	19.5	19.3
Freq. (MHz)	6.5	4.9	100.0	100.0
Limit (dB)	42.4	44.9	18.6	18.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	19.8	19.6	20.1	19.6
Freq. (MHz)	97.3	100.0	100.0	100.0
Limit (dB)	15.9	15.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-78	36-45
ACR-N (dB)	25.1	23.5	37.0	36.2
Freq. (MHz)	2.3	2.4	87.8	98.3
Limit (dB)	55.7	55.3	13.7	11.7
Worst Pair	36	36	12	45
PS ACR-N (dB)	25.7	24.1	37.8	37.8
Freq. (MHz)	2.3	2.8	87.8	99.8
Limit (dB)	52.7	51.0	10.7	8.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12	45	45	45
RL (dB)	0.2	-0.1	0.4	0.1
Freq. (MHz)	22.6	23.1	24.3	24.0
Limit (dB)	18.5	18.4	18.2	18.2

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