

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
CERTIF-0	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	10.2 dB (NEXT)	11/23/2016 09:21 AM
CERTIF-1	PASS	TIA 1005 Cat 5e Perm. Link	20 ft	4.8 dB (NEXT)	11/23/2016 09:22 AM
CERTIF-10	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	10.9 dB (NEXT)	11/23/2016 10:20 AM
CERTIF-11	PASS	TIA 1005 Cat 5e Perm. Link	12 ft	15.9 dB (NEXT)	11/23/2016 10:22 AM
CERTIF-12	PASS	TIA 1005 Cat 5e Perm. Link	18 ft	14.8 dB (NEXT)	11/23/2016 10:24 AM
CERTIF-13	FAIL	TIA 1005 Cat 5e Perm. Link	15 ft	-2.3 dB (NEXT)	11/23/2016 10:24 AM
CERTIF-14	FAIL	TIA 1005 Cat 5e Perm. Link	15 ft	-1.9 dB (NEXT)	11/23/2016 10:37 AM
CERTIF-15	FAIL	TIA 1005 Cat 5e Perm. Link	15 ft	-2.1 dB (NEXT)	11/23/2016 10:39 AM
CERTIF-2	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.6 dB (NEXT)	11/23/2016 09:23 AM
CERTIF-3	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.6 dB (NEXT)	11/23/2016 09:25 AM
CERTIF-4	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.7 dB (NEXT)	11/23/2016 09:26 AM
CERTIF-5	PASS	TIA 1005 Cat 5e Perm. Link	13 ft	1.3 dB (NEXT)	11/23/2016 09:33 AM
CERTIF-6	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.3 dB (NEXT)	11/23/2016 10:08 AM
CERTIF-7	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.2 dB (NEXT)	11/23/2016 10:09 AM
CERTIF-8	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.3 dB (NEXT)	11/23/2016 10:10 AM
CERTIF-9	FAIL	TIA 1005 Cat 5e Perm. Link	14 ft	-0.2 dB (NEXT)	11/23/2016 10:11 AM

Total Length:	232 ft
Number of Reports:	16
Number of Passing Reports:	6
Number of Failing Reports:	10
Number of Warning Reports:	0
Documentation Only:	0



**Cable ID: CERTIF-0**

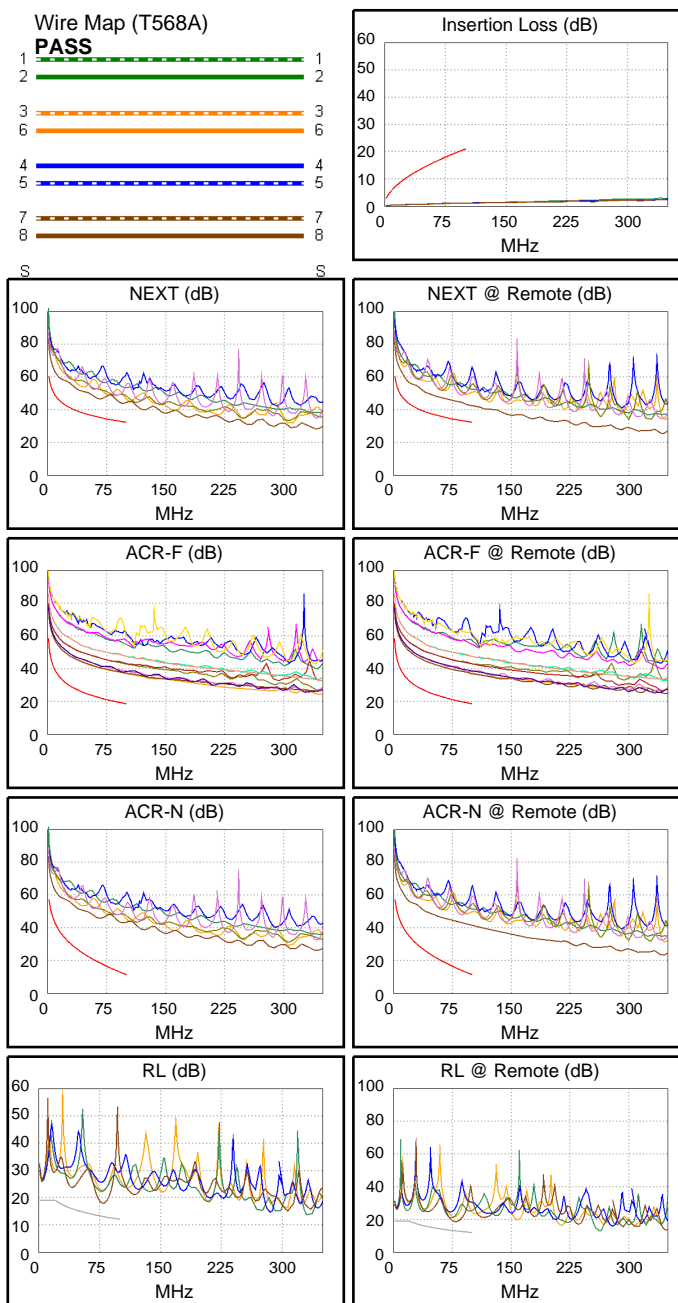
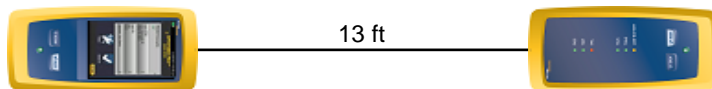
Date / Time: 11/23/2016 09:21:36 AM  
**Headroom 10.2 dB (NEXT 36-45)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

**Test Summary: PASS**

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

Length (ft), Limit 295	[Pair 36]	13
Prop. Delay (ns), Limit 498	[Pair 45]	20
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	1.3
Insertion Loss Margin (dB)	[Pair 12]	20.0
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	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	11.3	10.2	11.5	10.2
Freq. (MHz)	95.3	100.0	97.0	100.0
Limit (dB)	32.7	32.3	32.5	32.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	12.0	11.9	12.0	12.2
Freq. (MHz)	100.0	93.8	100.0	98.0
Limit (dB)	29.3	29.8	29.3	29.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-12
<b>ACR-F (dB)</b>	17.9	17.9	18.3	18.3
Freq. (MHz)	4.9	4.9	100.0	100.0
Limit (dB)	44.9	44.9	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	17.4	17.4	18.3	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
<b>ACR-N (dB)</b>	19.4	19.2	31.1	30.2
Freq. (MHz)	5.1	4.0	97.0	100.0
Limit (dB)	48.7	50.9	11.9	11.3
Worst Pair	45	45	36	36
<b>PS ACR-N (dB)</b>	21.2	20.9	32.0	31.9
Freq. (MHz)	5.1	3.9	100.0	98.0
Limit (dB)	45.7	48.1	8.3	8.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
<b>RL (dB)</b>	4.9	5.6	4.9	5.7
Freq. (MHz)	79.8	78.5	79.8	79.8
Limit (dB)	13.0	13.1	13.0	13.0

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



**Cable ID: CERTIF-1**

Date / Time: 11/23/2016 09:22:30 AM

Headroom 4.8 dB (NEXT 36-45)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

**Test Summary: PASS**

Model: DSX-5000

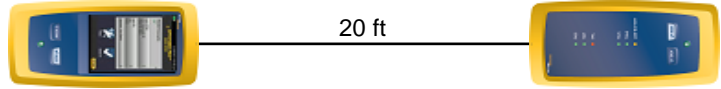
Main S/N: 2420012

Remote S/N: 2420016

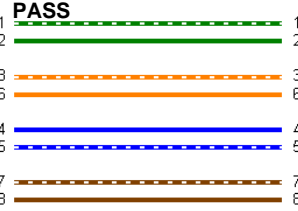
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

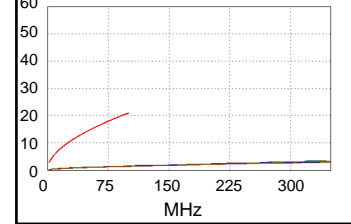
Length (ft), Limit 295	[Pair 36]	20
Prop. Delay (ns), Limit 498	[Pair 12]	30
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.9
Insertion Loss Margin (dB)	[Pair 36]	19.6
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



Wire Map (T568A)

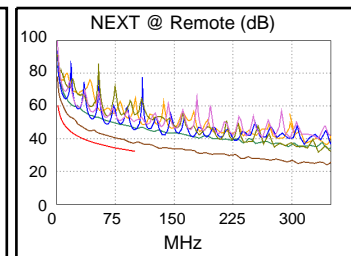
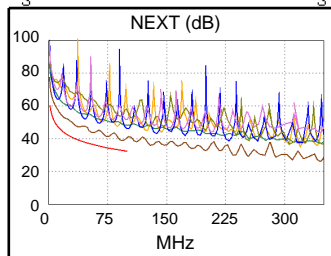


Insertion Loss (dB)

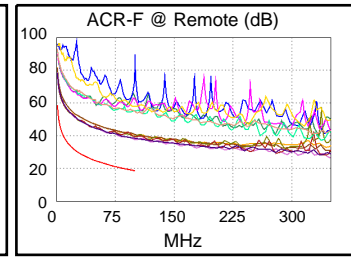
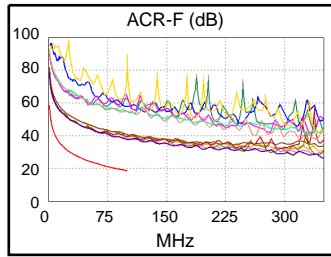


Worst Case Margin Worst Case Value

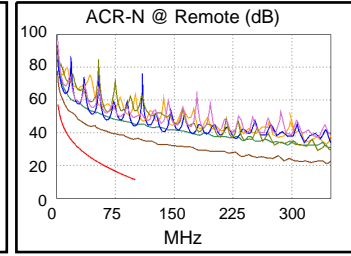
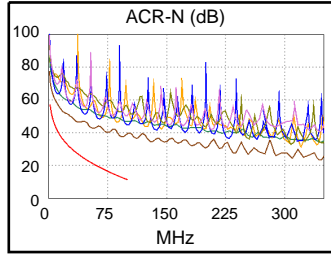
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	6.1	4.8	6.2	5.0
Freq. (MHz)	93.8	96.5	94.5	99.0
Limit (dB)	32.8	32.6	32.7	32.4
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	8.6	7.2	8.8	7.3
Freq. (MHz)	93.8	97.8	95.8	99.0
Limit (dB)	29.8	29.5	29.6	29.4



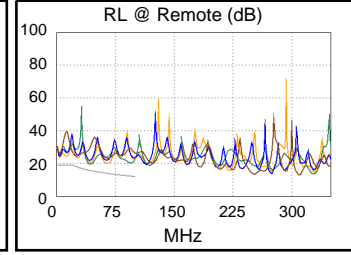
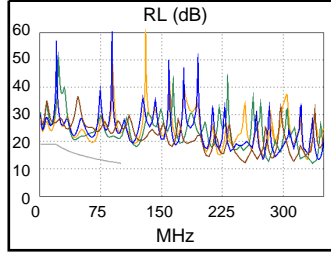
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-36	36-78
<b>ACR-F (dB)</b>	18.9	18.9	19.0	19.1
Freq. (MHz)	4.9	4.1	100.0	100.0
Limit (dB)	44.9	46.3	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	18.1	18.2	18.8	18.9
Freq. (MHz)	2.5	2.3	100.0	100.0
Limit (dB)	47.7	48.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-N (dB)</b>	14.5	14.0	25.2	24.5
Freq. (MHz)	2.6	3.1	94.5	99.0
Limit (dB)	54.4	53.0	12.4	11.5
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	16.9	16.5	28.0	26.8
Freq. (MHz)	2.6	3.1	95.8	99.0
Limit (dB)	51.4	50.0	9.1	8.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
<b>RL (dB)</b>	4.7	3.7	5.7	3.7
Freq. (MHz)	3.9	43.0	65.3	43.0
Limit (dB)	19.0	15.7	13.9	15.7



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



**Cable ID: CERTIF-10**

Date / Time: 11/23/2016 10:20:16 AM

Headroom 10.9 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

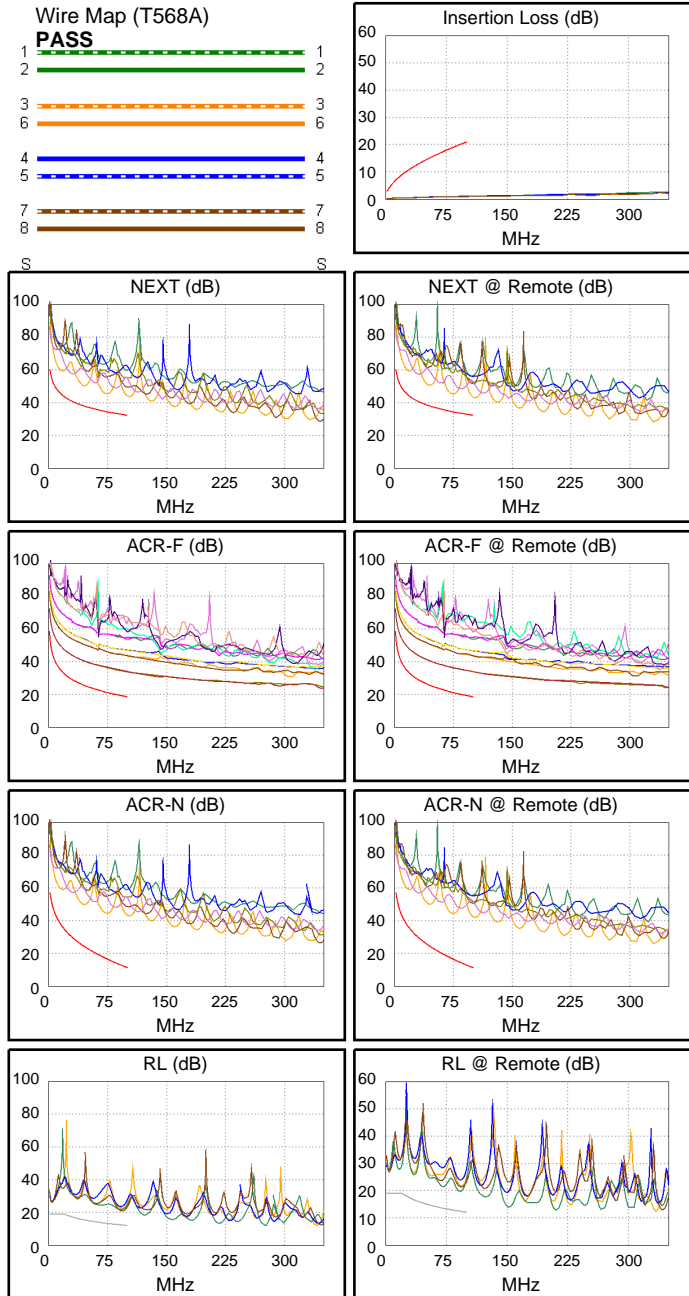
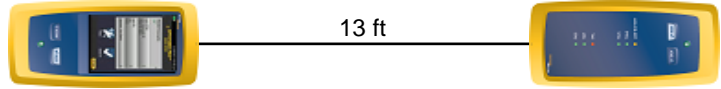
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	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 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	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	11.0	10.9	12.0	11.2
Freq. (MHz)	74.0	74.0	100.0	100.0
Limit (dB)	34.5	34.5	32.3	32.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	13.4	13.1	13.7	13.1
Freq. (MHz)	74.0	100.0	100.0	100.0
Limit (dB)	31.5	29.3	29.3	29.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
<b>ACR-F (dB)</b>	14.1	14.1	15.3	15.3
Freq. (MHz)	2.1	2.1	100.0	100.0
Limit (dB)	52.1	52.1	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	16.5	16.4	17.9	17.9
Freq. (MHz)	1.0	1.1	100.0	100.0
Limit (dB)	55.6	54.6	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	21.3	22.1	32.1	31.3
Freq. (MHz)	13.3	13.0	100.0	100.0
Limit (dB)	39.4	39.6	11.3	11.3
Worst Pair	36	12	36	36
<b>PS ACR-N (dB)</b>	23.7	24.8	33.8	33.2
Freq. (MHz)	11.8	13.0	100.0	100.0
Limit (dB)	37.6	36.6	8.3	8.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	36
<b>RL (dB)</b>	7.1	7.3	8.6	7.4
Freq. (MHz)	4.1	92.3	93.0	93.0
Limit (dB)	19.0	12.4	12.3	12.3

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



**Cable ID: CERTIF-11**

Date / Time: 11/23/2016 10:22:36 AM

Headroom 15.9 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

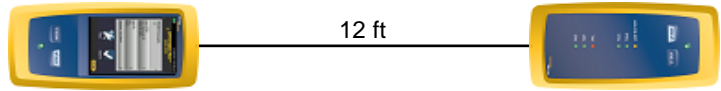
Main S/N: 2420012

Remote S/N: 2420016

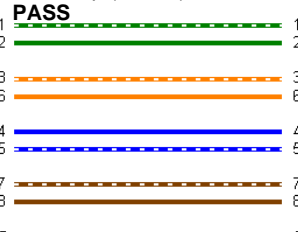
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

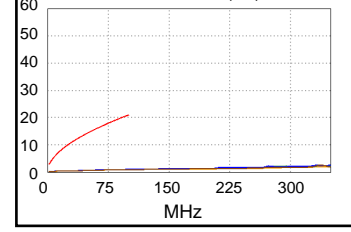
Length (ft), Limit 295	[Pair 36]	12
Prop. Delay (ns), Limit 498	[Pair 45]	19
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.0
Insertion Loss Margin (dB)	[Pair 45]	20.1
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Wire Map (T568A)

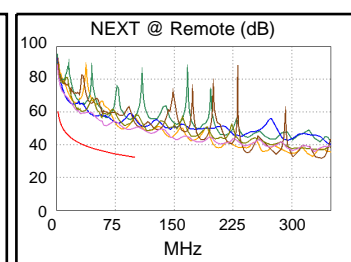
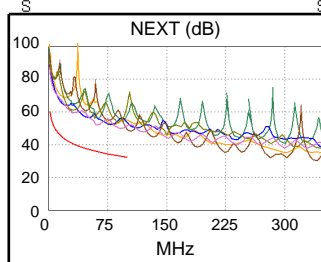


Insertion Loss (dB)

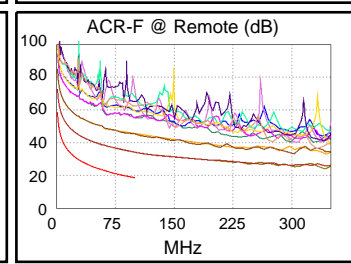
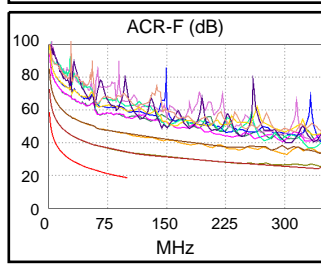


Worst Case Margin Worst Case Value

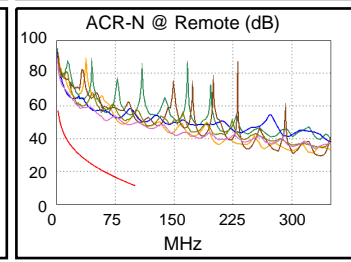
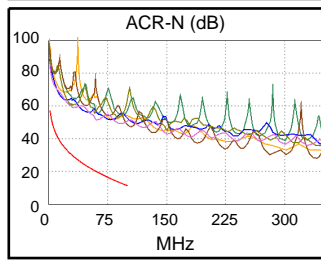
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	45-78
<b>NEXT (dB)</b>	16.2	15.9	17.2	16.3
Freq. (MHz)	60.8	60.8	100.0	91.8
Limit (dB)	35.9	35.9	32.3	32.9
Worst Pair	78	36	45	78
<b>PS NEXT (dB)</b>	17.2	16.8	17.8	17.0
Freq. (MHz)	60.8	86.0	100.0	89.3
Limit (dB)	32.9	30.4	29.3	30.1



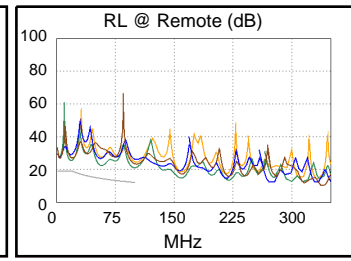
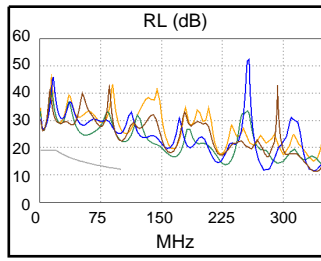
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-F (dB)</b>	14.5	14.5	15.6	15.7
Freq. (MHz)	2.5	2.5	100.0	100.0
Limit (dB)	50.7	50.7	18.6	18.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	16.9	16.9	18.5	18.4
Freq. (MHz)	1.3	1.1	100.0	100.0
Limit (dB)	53.7	54.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	45-78
<b>ACR-N (dB)</b>	25.8	25.8	37.3	36.0
Freq. (MHz)	4.0	2.1	100.0	93.8
Limit (dB)	50.9	56.1	11.3	12.5
Worst Pair	78	78	45	36
<b>PS ACR-N (dB)</b>	26.5	26.3	37.9	35.3
Freq. (MHz)	2.0	2.3	100.0	86.0
Limit (dB)	53.5	52.7	8.3	11.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	36
<b>RL (dB)</b>	7.0	6.4	10.4	9.0
Freq. (MHz)	4.5	18.5	100.0	100.0
Limit (dB)	19.0	19.0	12.0	12.0



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



**Cable ID: CERTIF-12**

Date / Time: 11/23/2016 10:24:03 AM

Headroom 14.8 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

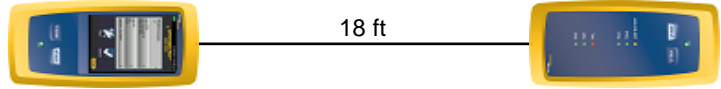
Main S/N: 2420012

Remote S/N: 2420016

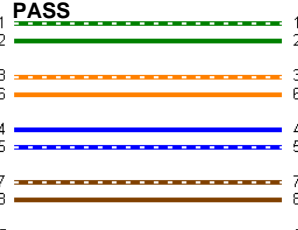
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

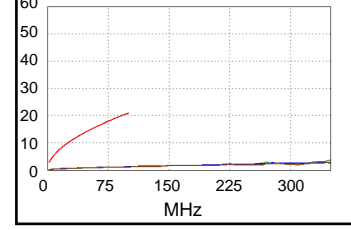
Length (ft), Limit 295	[Pair 36]	18
Prop. Delay (ns), Limit 498	[Pair 45]	27
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.3
Insertion Loss Margin (dB)	[Pair 45]	19.8
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



Wire Map (T568A)

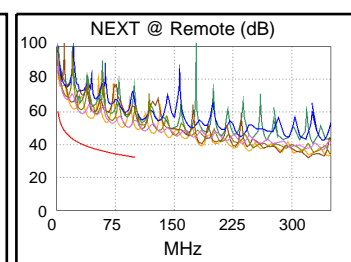
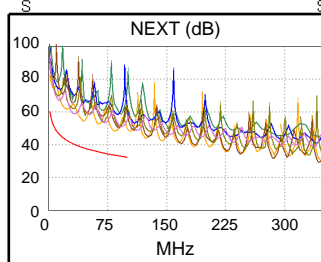


Insertion Loss (dB)

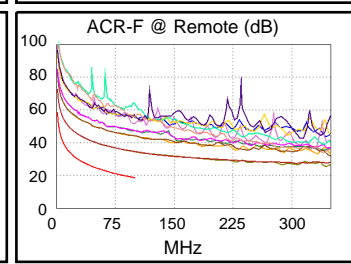
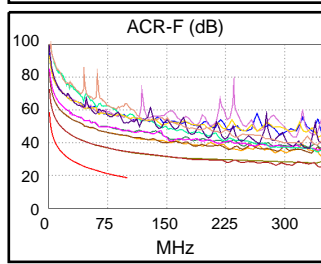


Worst Case Margin Worst Case Value

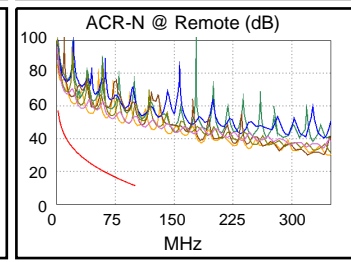
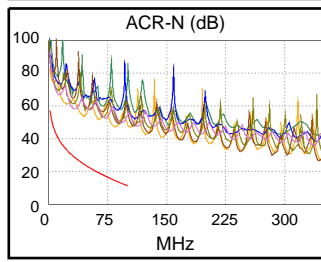
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-78
<b>NEXT (dB)</b>	14.8	17.1	14.9	17.7
Freq. (MHz)	83.8	83.8	84.8	92.3
Limit (dB)	33.6	33.6	33.5	32.9
Worst Pair	36	78	36	78
<b>PS NEXT (dB)</b>	15.4	17.5	15.4	17.6
Freq. (MHz)	88.5	91.3	88.5	92.3
Limit (dB)	30.2	30.0	30.2	29.9



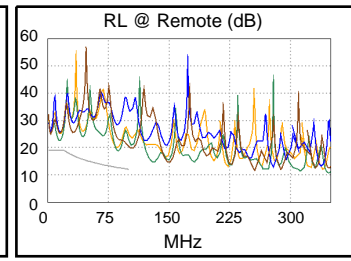
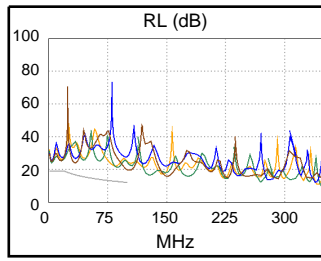
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	36-45
<b>ACR-F (dB)</b>	14.4	14.4	15.9	15.9
Freq. (MHz)	2.1	2.1	100.0	100.0
Limit (dB)	52.1	52.1	18.6	18.6
Worst Pair	45	36	36	36
<b>PS ACR-F (dB)</b>	16.9	16.9	18.5	18.6
Freq. (MHz)	1.0	1.4	100.0	100.0
Limit (dB)	55.6	52.8	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-78
<b>ACR-N (dB)</b>	24.3	24.1	33.0	36.7
Freq. (MHz)	2.6	1.9	84.8	92.3
Limit (dB)	54.4	57.0	14.3	12.8
Worst Pair	36	36	36	78
<b>PS ACR-N (dB)</b>	25.7	25.7	33.9	36.6
Freq. (MHz)	3.1	4.0	88.5	92.3
Limit (dB)	50.0	47.9	10.6	9.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	36
<b>RL (dB)</b>	5.1	3.6	7.7	6.2
Freq. (MHz)	4.1	15.5	100.0	87.5
Limit (dB)	19.0	19.0	12.0	12.6



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



**Cable ID: CERTIF-13**

Date / Time: 11/23/2016 10:24:52 AM

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

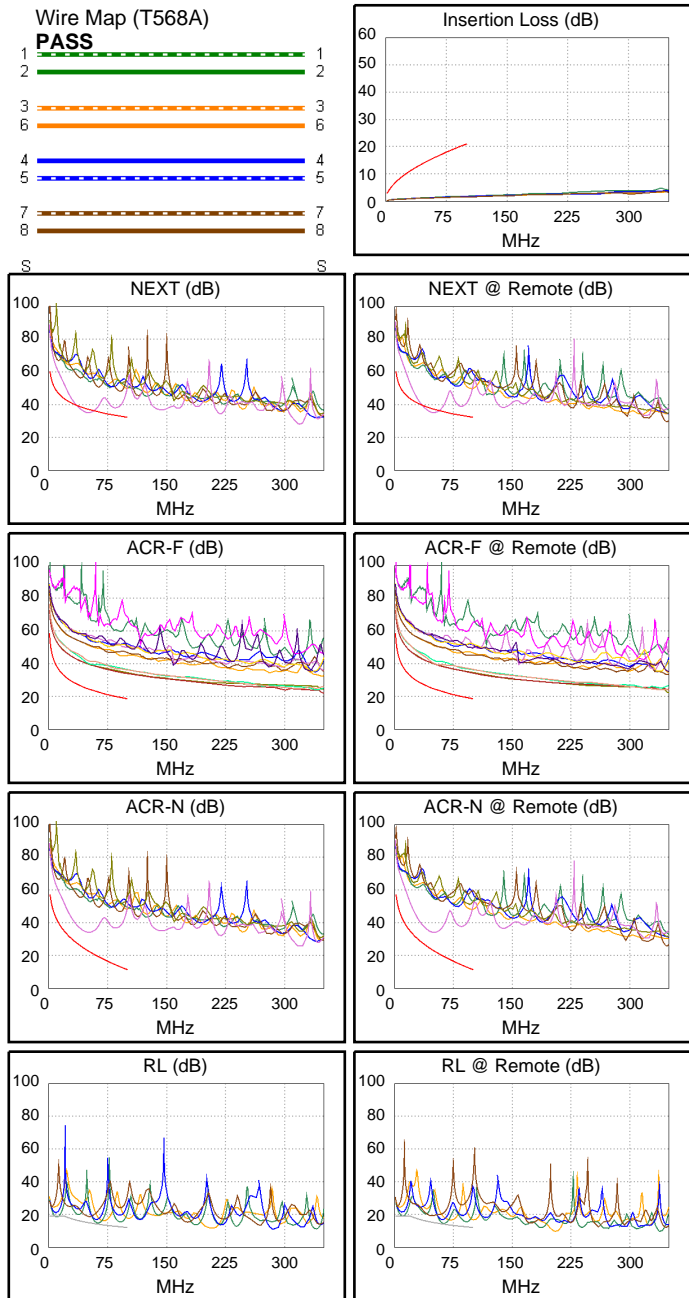
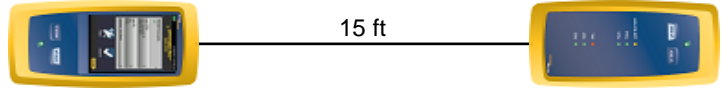
Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	15
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	0
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
<b>NEXT (dB)</b>	<b>-2.2 F</b>	<b>-2.3 F</b>	-1.7	-2.0
Freq. (MHz)	48.3	47.8	52.3	50.5
Limit (dB)	37.5	37.6	36.9	37.2
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	0.8	0.7	1.2	1.0
Freq. (MHz)	48.3	47.8	52.3	50.5
Limit (dB)	34.5	34.6	33.9	34.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
<b>ACR-F (dB)</b>	14.5	14.5	15.4	15.5
Freq. (MHz)	2.5	2.5	100.0	100.0
Limit (dB)	50.7	50.7	18.6	18.6
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	15.7	15.4	16.6	16.5
Freq. (MHz)	1.3	53.3	100.0	100.0
Limit (dB)	53.7	21.1	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	10.5	10.3	11.9	12.1
Freq. (MHz)	45.0	44.0	52.3	52.5
Limit (dB)	24.4	24.7	22.2	22.1
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.3	13.3	15.0	14.4
Freq. (MHz)	40.8	44.0	53.0	50.5
Limit (dB)	22.8	21.7	19.0	19.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	-0.6	0.0	0.9	0.5
Freq. (MHz)	10.4	10.9	63.5	63.3
Limit (dB)	19.0	19.0	14.0	14.0





**Cable ID: CERTIF-14**

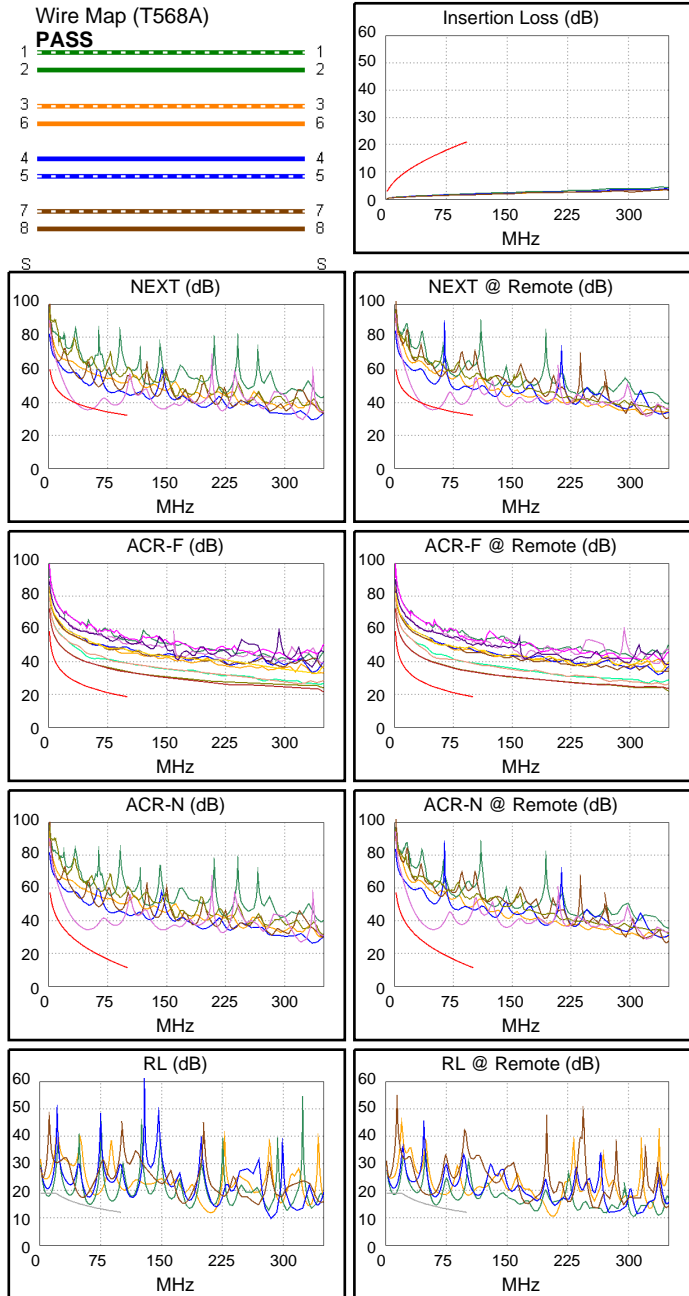
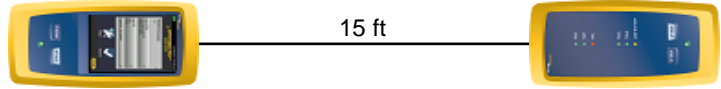
Date / Time: 11/23/2016 10:37:31 AM  
**Headroom -1.9 dB (NEXT 45-78)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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: 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]	15
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.1
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	
<b>FAIL</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-1.9F</b>	<b>-1.9F</b>	-1.7	-1.5
Freq. (MHz)	47.8	47.8	49.5	50.3
Limit (dB)	37.6	37.6	37.3	37.2
Worst Pair	78	78	78	78
<b>PS NEXT (dB)</b>	1.0	1.0	1.2	1.4
Freq. (MHz)	47.8	47.8	49.5	50.3
Limit (dB)	34.6	34.6	34.3	34.2
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
<b>ACR-F (dB)</b>	14.2	14.2	15.1	15.2
Freq. (MHz)	2.1	2.5	100.0	100.0
Limit (dB)	52.1	50.7	18.6	18.6
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	16.2	16.0	17.3	17.1
Freq. (MHz)	1.5	1.0	100.0	100.0
Limit (dB)	52.1	55.6	15.6	15.6
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	10.6	10.5	11.5	11.9
Freq. (MHz)	42.8	43.8	49.5	50.3
Limit (dB)	25.1	24.8	23.0	22.7
Worst Pair	45	45	78	78
<b>PS ACR-N (dB)</b>	13.4	13.4	14.4	14.8
Freq. (MHz)	41.3	42.3	49.5	50.3
Limit (dB)	22.6	22.3	20.0	19.7
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	-1.1	-0.5	0.8	0.7
Freq. (MHz)	11.0	11.1	61.8	63.0
Limit (dB)	19.0	19.0	14.1	14.0



**Cable ID: CERTIF-15**

Date / Time: 11/23/2016 10:39:38 AM

Headroom -2.1 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

**Test Summary: FAIL**

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

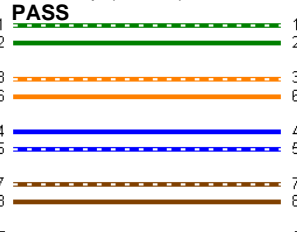
Length (ft), Limit 295	[Pair 12]	15
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 12]	0
Resistance (ohms)	[Pair 36]	2.1
Insertion Loss Margin (dB)	[Pair 36]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



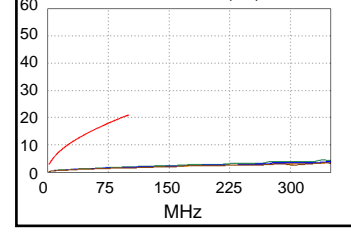
15 ft



Wire Map (T568A)

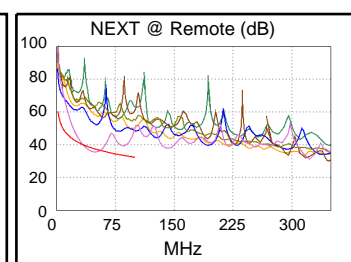
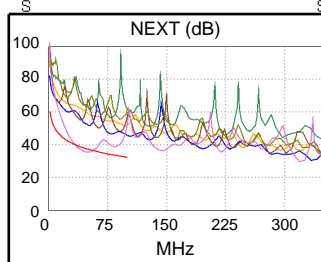


Insertion Loss (dB)

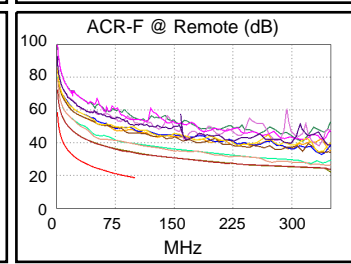
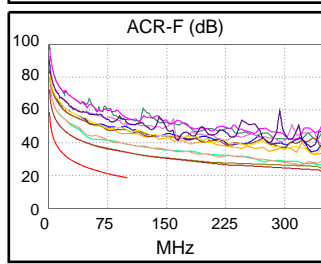


Worst Case Margin Worst Case Value

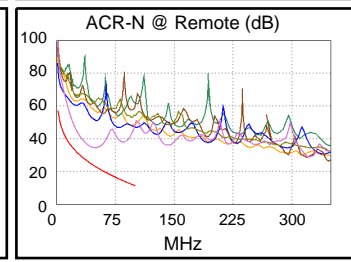
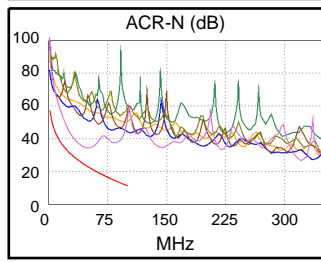
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-2.1 F</b>	<b>-2.1 F</b>	-1.9	-1.8
Freq. (MHz)	47.8	47.0	49.3	49.8
Limit (dB)	37.6	37.7	37.3	37.3
Worst Pair	78	78	78	78
<b>PS NEXT (dB)</b>	0.8	0.8	1.0	1.1
Freq. (MHz)	47.8	47.0	49.3	49.8
Limit (dB)	34.6	34.7	34.3	34.3



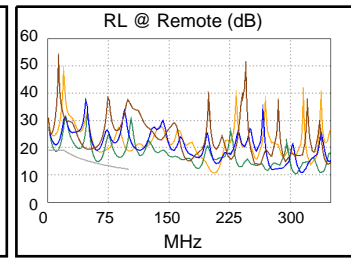
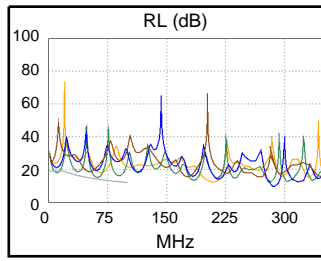
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
<b>ACR-F (dB)</b>	14.2	14.2	15.1	15.2
Freq. (MHz)	2.1	2.3	100.0	100.0
Limit (dB)	52.1	51.6	18.6	18.6
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	16.2	16.0	17.3	17.1
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	54.6	54.6	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	10.3	10.2	11.8	11.5
Freq. (MHz)	42.5	42.5	50.8	49.8
Limit (dB)	25.2	25.2	22.6	22.9
Worst Pair	45	45	45	78
<b>PS ACR-N (dB)</b>	13.1	13.1	14.3	14.4
Freq. (MHz)	40.8	41.0	49.3	49.8
Limit (dB)	22.8	22.7	20.0	19.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	-1.0	-0.4	1.1	0.8
Freq. (MHz)	10.9	11.4	62.8	63.3
Limit (dB)	19.0	19.0	14.0	14.0





**Cable ID: CERTIF-2**

Date / Time: 11/23/2016 09:23:16 AM

Headroom -0.6 dB (NEXT 45-78)

Test Limit: TIA 1005 Cat 5e Perm. Link

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: CLEBER

Software Version: V3.0 Build 6

Limits Version: V3.0

Calibration Date:

Main (Module): 06/06/2013

Remote (Module): 06/04/2013

**Test Summary: FAIL**

Model: DSX-5000

Main S/N: 2420012

Remote S/N: 2420016

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

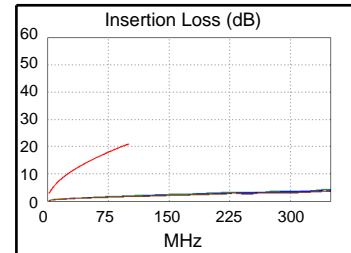
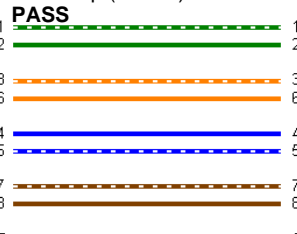
Length (ft), Limit 295	[Pair 12]	14
Prop. Delay (ns), Limit 498	[Pair 36]	22
Delay Skew (ns), Limit 44	[Pair 36]	1
Resistance (ohms)	[Pair 36]	2.2
Insertion Loss Margin (dB)	[Pair 12]	19.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



14 ft

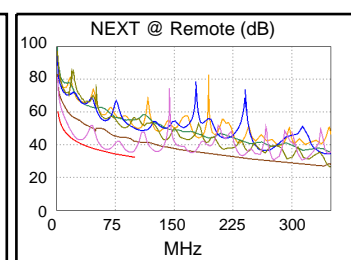
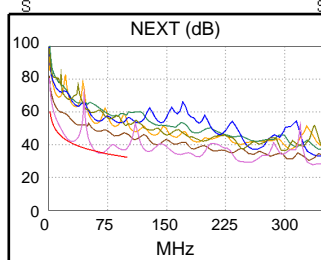


Wire Map (T568A)

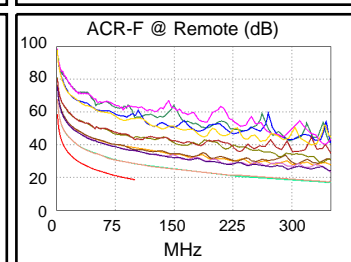
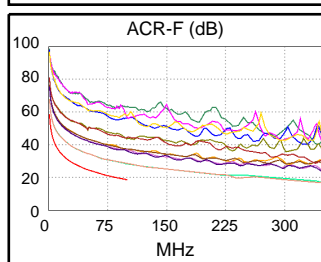


Worst Case Margin Worst Case Value

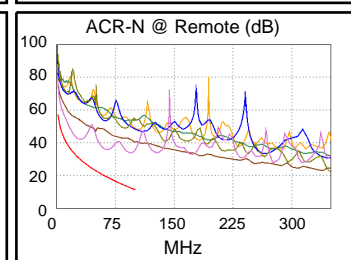
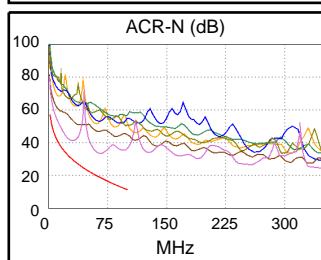
FAIL	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-0.6 F</b>	1.5	-0.4	2.8
Freq. (MHz)	65.0	63.3	66.8	96.3
Limit (dB)	35.4	35.6	35.2	32.6
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.2	4.2	2.4	5.1
Freq. (MHz)	65.0	63.3	66.8	96.3
Limit (dB)	32.4	32.6	32.2	29.6



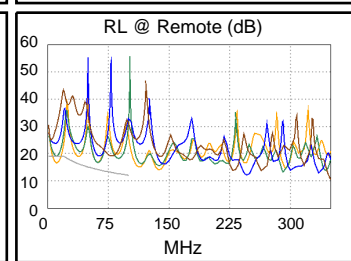
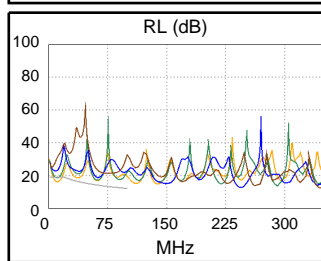
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
<b>ACR-F (dB)</b>	9.3	9.3	9.7	9.6
Freq. (MHz)	4.0	4.9	100.0	100.0
Limit (dB)	46.6	44.9	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	11.6	11.6	12.1	12.2
Freq. (MHz)	4.0	4.9	100.0	100.0
Limit (dB)	43.6	41.9	15.6	15.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	10.3	11.2	15.1	21.9
Freq. (MHz)	25.1	24.9	66.8	96.3
Limit (dB)	32.1	32.2	18.4	12.0
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.1	13.9	17.9	24.1
Freq. (MHz)	25.9	25.8	66.8	96.3
Limit (dB)	28.7	28.8	15.4	9.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-3.0	-2.5	-3.0	-2.5
Freq. (MHz)	11.3	10.9	11.3	10.9
Limit (dB)	19.0	19.0	19.0	19.0





**Cable ID: CERTIF-3**

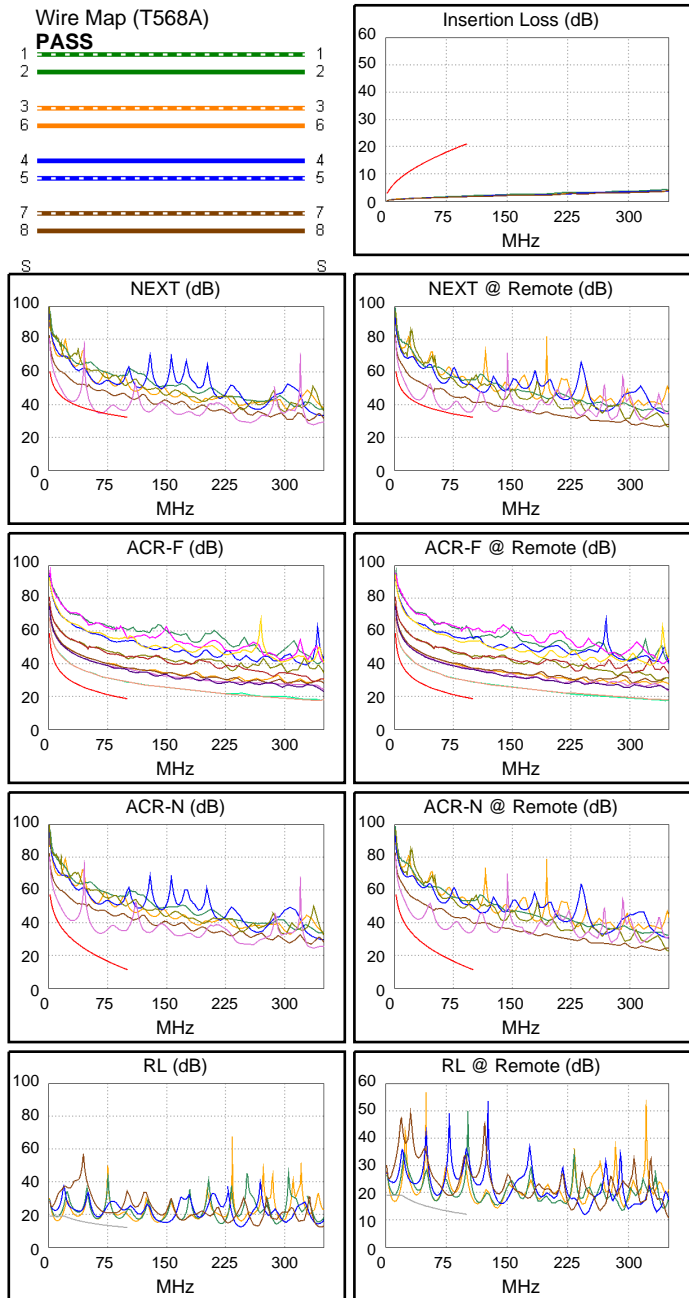
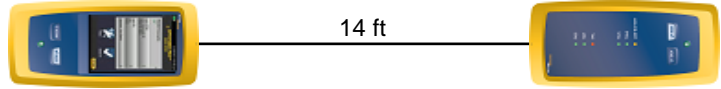
Date / Time: 11/23/2016 09:25:26 AM  
**Headroom -0.6 dB (NEXT 45-78)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

**Test Summary: 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]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



	Worst Case Margin		Worst Case Value	
<b>FAIL</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	-0.6 F	1.5	-0.4	2.8
Freq. (MHz)	65.0	64.0	66.8	96.0
Limit (dB)	35.4	35.5	35.2	32.6
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.2	4.2	2.4	5.2
Freq. (MHz)	65.0	64.0	66.8	96.8
Limit (dB)	32.4	32.5	32.2	29.5
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
<b>ACR-F (dB)</b>	9.8	9.8	10.1	10.0
Freq. (MHz)	4.0	6.5	100.0	100.0
Limit (dB)	46.6	42.4	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	12.0	12.0	12.5	12.5
Freq. (MHz)	4.0	4.4	100.0	100.0
Limit (dB)	43.6	42.8	15.6	15.6
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	10.3	11.2	15.5	21.8
Freq. (MHz)	24.9	25.1	67.8	96.0
Limit (dB)	32.2	32.1	18.1	12.1
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.1	13.9	17.9	24.2
Freq. (MHz)	25.6	25.6	66.8	96.8
Limit (dB)	28.8	28.8	15.4	8.9
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-2.9	-2.3	-2.9	-2.3
Freq. (MHz)	11.3	11.8	11.3	11.8
Limit (dB)	19.0	19.0	19.0	19.0



**Cable ID: CERTIF-4**

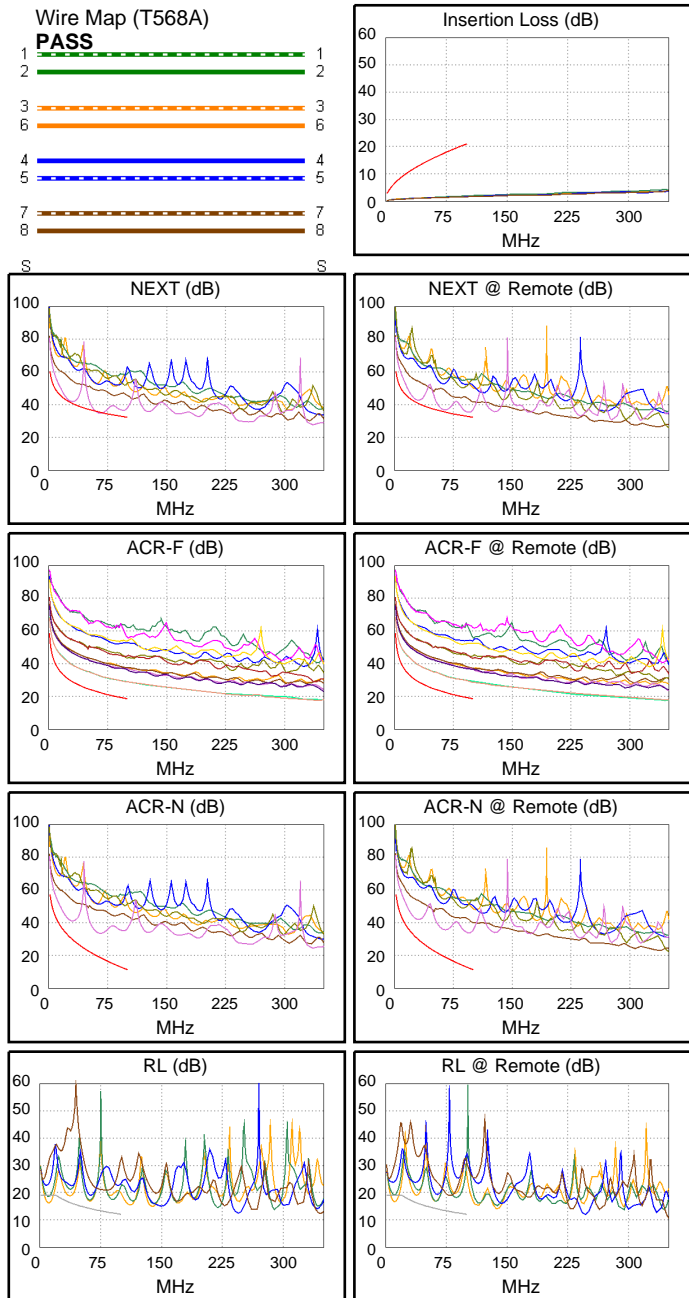
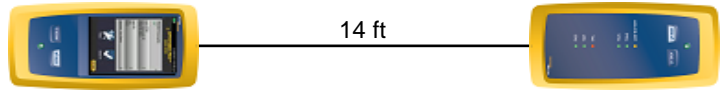
Date / Time: 11/23/2016 09:26:24 AM  
**Headroom -0.7 dB (NEXT 45-78)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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 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]	19.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	21.0



**Worst Case Margin Worst Case Value**

<b>FAIL</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-0.7 F</b>	1.3	-0.5	2.6
Freq. (MHz)	64.3	63.3	66.3	94.0
Limit (dB)	35.5	35.6	35.2	32.7
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.1	4.0	2.3	5.2
Freq. (MHz)	64.3	63.3	66.3	96.8
Limit (dB)	32.5	32.6	32.2	29.5

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
<b>ACR-F (dB)</b>	9.8	9.8	10.2	10.1
Freq. (MHz)	2.3	4.0	100.0	100.0
Limit (dB)	51.6	46.6	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	12.0	12.0	12.6	12.7
Freq. (MHz)	2.3	1.8	100.0	100.0
Limit (dB)	48.6	50.8	15.6	15.6

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	10.1	11.0	15.0	21.3
Freq. (MHz)	24.8	24.8	66.3	94.0
Limit (dB)	32.3	32.3	18.5	12.5
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	12.9	13.7	17.7	24.4
Freq. (MHz)	24.8	24.8	66.3	97.5
Limit (dB)	29.3	29.3	15.5	8.8

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-2.9	-2.4	-2.9	-2.4
Freq. (MHz)	11.6	11.4	11.6	11.4
Limit (dB)	19.0	19.0	19.0	19.0



**Cable ID: CERTIF-5**

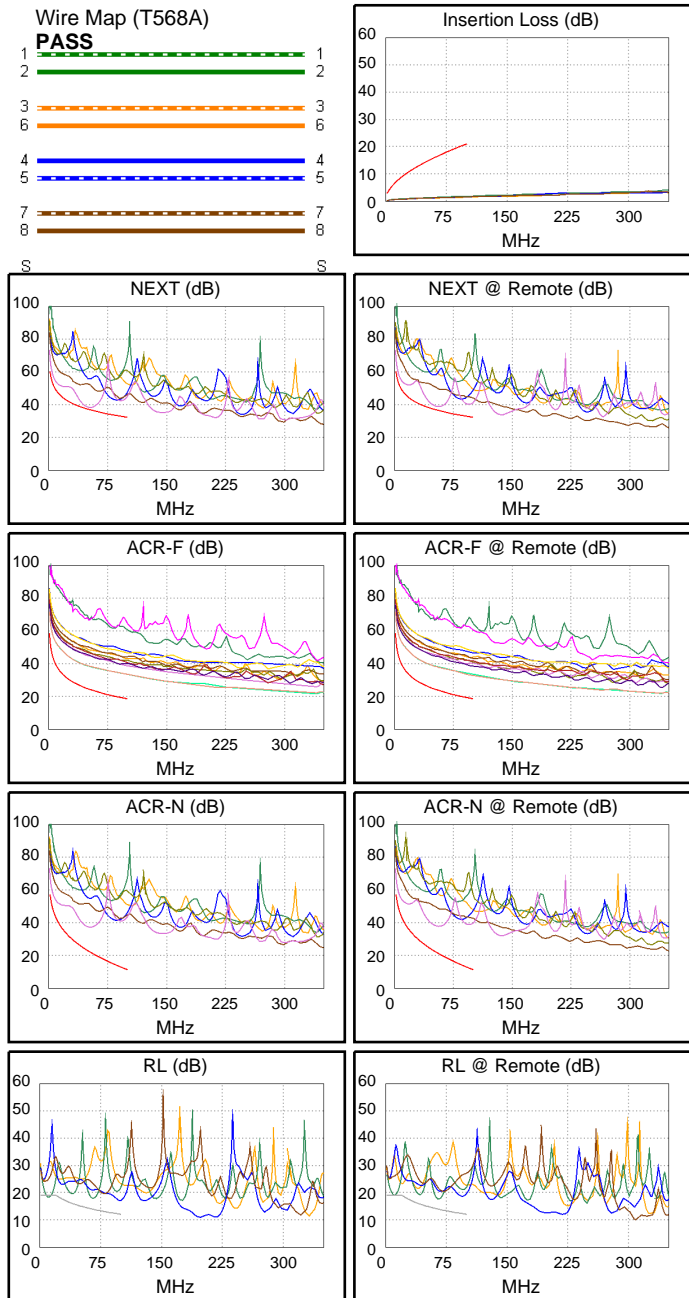
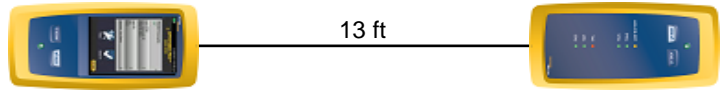
Date / Time: 11/23/2016 09:33:01 AM  
**Headroom 1.3 dB (NEXT 45-78)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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

**Test Summary: PASS**

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

Length (ft), Limit 295	[Pair 45]	13
Prop. Delay (ns), Limit 498	[Pair 36]	21
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	2.6
Insertion Loss Margin (dB)	[Pair 36]	19.3
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
<b>NEXT (dB)</b>	1.3	2.2	1.8	2.6
Freq. (MHz)	51.3	54.3	54.8	57.3
Limit (dB)	37.1	36.7	36.6	36.3
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	4.1	4.9	4.6	5.2
Freq. (MHz)	51.3	54.3	54.8	57.3
Limit (dB)	34.1	33.7	33.6	33.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
<b>ACR-F (dB)</b>	13.1	13.1	14.3	14.3
Freq. (MHz)	4.4	4.9	100.0	100.0
Limit (dB)	45.8	44.9	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	14.8	14.8	16.2	16.6
Freq. (MHz)	2.3	2.1	100.0	100.0
Limit (dB)	48.6	49.1	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	9.5	9.5	15.8	17.0
Freq. (MHz)	5.1	4.6	54.8	57.3
Limit (dB)	48.7	49.6	21.5	20.8
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	12.2	12.2	18.7	28.3
Freq. (MHz)	5.1	4.6	54.8	96.0
Limit (dB)	45.7	46.6	18.5	9.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	36
<b>RL (dB)</b>	-0.7	0.0	5.1	3.8
Freq. (MHz)	11.8	11.0	100.0	66.3
Limit (dB)	19.0	19.0	12.0	13.8

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



**Cable ID: CERTIF-6**

Date / Time: 11/23/2016 10:08:13 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: FAIL**

Model: DSX-5000

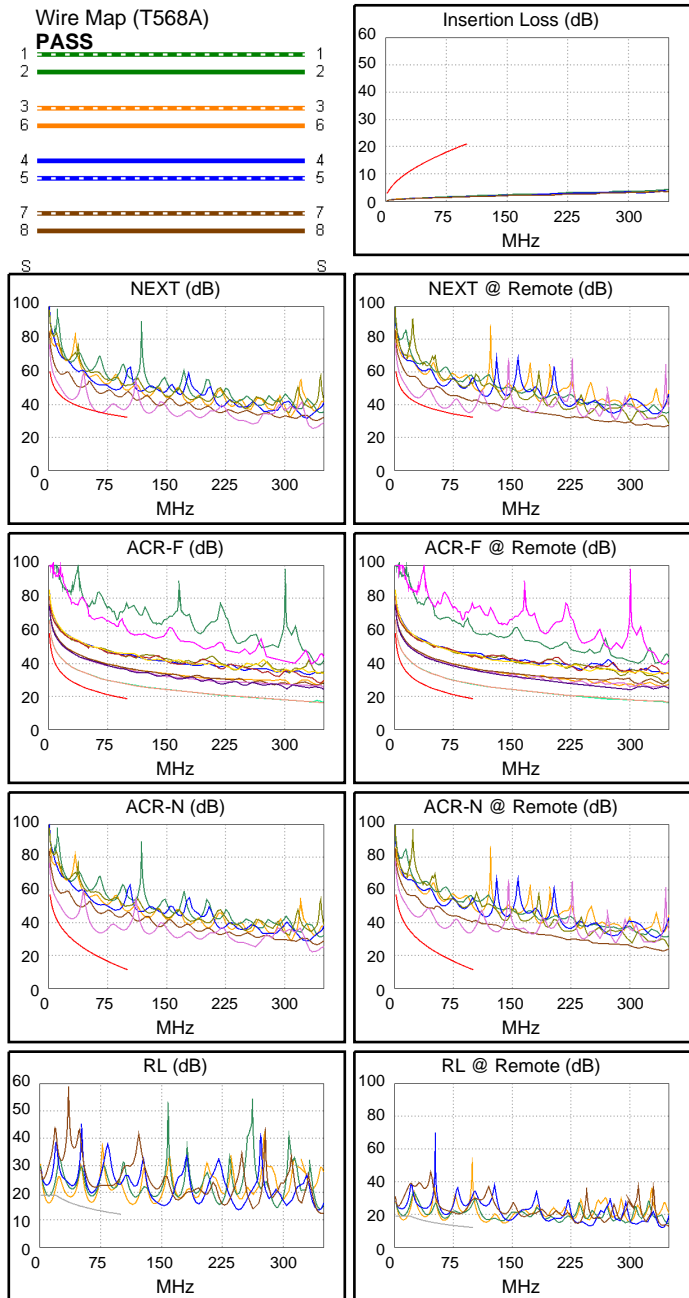
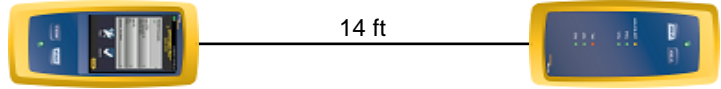
Main S/N: 2420012

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 12]	19.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



**Worst Case Margin Worst Case Value**

	MAIN	SR	MAIN	SR
<b>FAIL</b>				
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	-0.3 F	2.2	0.0	2.7
Freq. (MHz)	65.0	62.5	68.0	96.5
Limit (dB)	35.4	35.7	35.1	32.6
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.4	4.8	2.7	5.1
Freq. (MHz)	65.0	62.5	68.0	97.5
Limit (dB)	32.4	32.7	32.1	29.5

	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	45-78	45-78	78-45	78-45
<b>ACR-F (dB)</b>	8.2	8.2	8.9	8.9
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	56.7	56.7	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	10.5	10.5	11.4	11.4
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	53.7	53.7	15.6	15.6

	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	11.0	12.1	15.8	21.8
Freq. (MHz)	22.0	22.8	68.0	96.5
Limit (dB)	33.7	33.3	18.1	12.0
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.6	14.4	18.4	24.3
Freq. (MHz)	6.3	5.1	68.0	97.5
Limit (dB)	43.9	45.7	15.1	8.8

	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-2.9	-2.3	-2.9	2.6
Freq. (MHz)	11.8	11.8	11.8	64.5
Limit (dB)	19.0	19.0	19.0	13.9



**Cable ID: CERTIF-7**

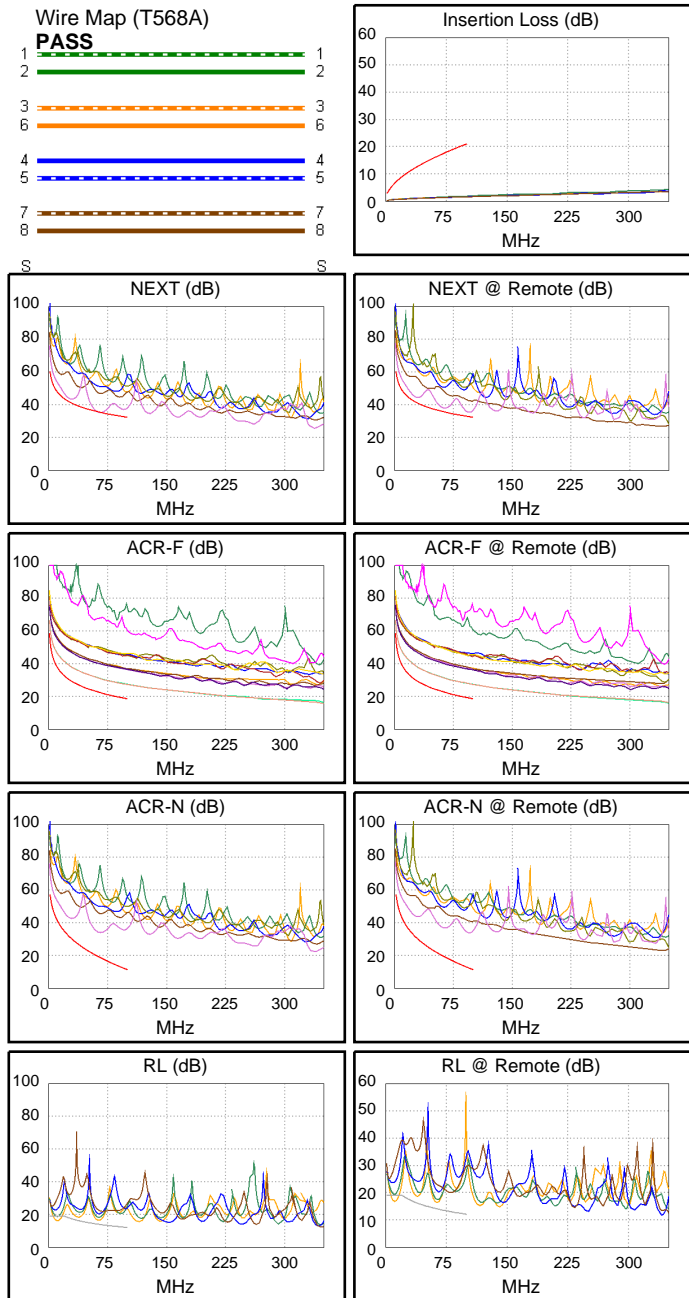
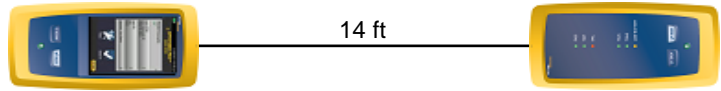
Date / Time: 11/23/2016 10:09:22 AM  
**Headroom -0.2 dB (NEXT 45-78)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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]	21
Delay Skew (ns), Limit 44	[Pair 12]	0
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



	Worst Case Margin		Worst Case Value	
<b>FAIL</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-0.2 F</b>	2.4	0.0	2.7
Freq. (MHz)	65.0	63.0	67.0	96.3
Limit (dB)	35.4	35.6	35.2	32.6
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.5	4.8	2.7	4.9
Freq. (MHz)	65.0	93.8	67.0	96.3
Limit (dB)	32.4	29.8	32.2	29.6
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	78-45	78-45
<b>ACR-F (dB)</b>	8.1	8.0	8.7	8.7
Freq. (MHz)	4.9	1.0	100.0	100.0
Limit (dB)	44.9	58.6	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	10.4	10.3	11.2	11.3
Freq. (MHz)	1.6	1.0	100.0	100.0
Limit (dB)	51.4	55.6	15.6	15.6
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	11.2	11.9	15.7	21.8
Freq. (MHz)	23.8	7.3	67.0	96.3
Limit (dB)	32.8	45.5	18.3	12.0
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.5	14.2	18.7	24.0
Freq. (MHz)	6.9	6.4	68.3	96.3
Limit (dB)	43.0	43.7	15.0	9.0
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-2.9	-2.3	-2.9	2.5
Freq. (MHz)	11.8	11.4	11.8	64.3
Limit (dB)	19.0	19.0	19.0	13.9





**Cable ID: CERTIF-8**

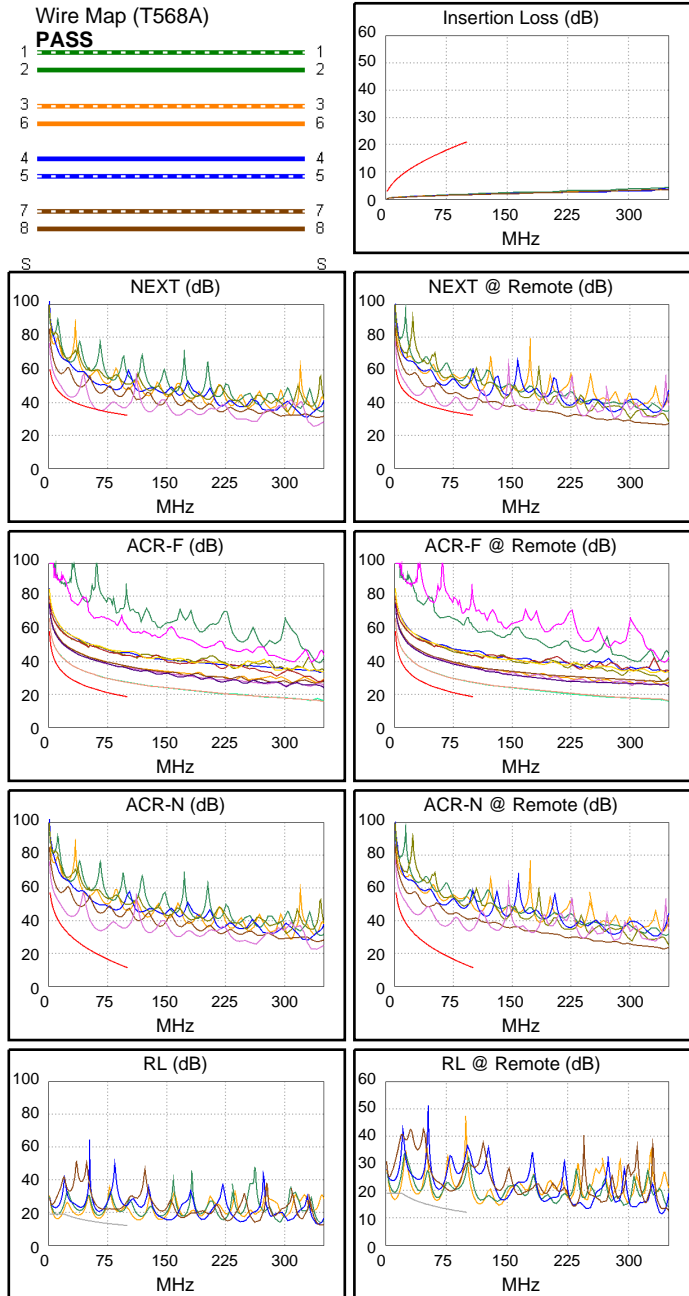
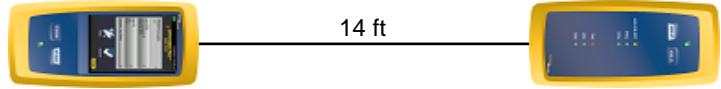
Date / Time: 11/23/2016 10:10:20 AM  
**Headroom -0.3 dB (NEXT 45-78)**  
 Test Limit: TIA 1005 Cat 5e Perm. Link  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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: 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 12]	19.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



	Worst Case Margin		Worst Case Value	
<b>FAIL</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-0.3 F</b>	2.3	0.1	2.9
Freq. (MHz)	64.3	63.3	67.8	97.0
Limit (dB)	35.5	35.6	35.1	32.5
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.4	4.8	2.6	5.1
Freq. (MHz)	64.3	93.8	66.5	97.0
Limit (dB)	32.5	29.8	32.2	29.5
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-F (dB)</b>	8.1	8.1	8.8	8.8
Freq. (MHz)	2.5	4.0	100.0	100.0
Limit (dB)	50.7	46.6	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	10.4	10.4	11.2	11.3
Freq. (MHz)	2.5	2.1	100.0	100.0
Limit (dB)	47.7	49.1	15.6	15.6
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	11.2	11.9	15.9	22.0
Freq. (MHz)	23.8	7.3	67.8	97.0
Limit (dB)	32.8	45.5	18.1	11.9
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.4	14.2	18.2	24.2
Freq. (MHz)	6.3	6.4	66.5	97.0
Limit (dB)	43.9	43.7	15.4	8.9
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-2.9	-2.3	-2.9	2.5
Freq. (MHz)	11.8	11.5	11.8	64.3
Limit (dB)	19.0	19.0	19.0	13.9



**Cable ID: CERTIF-9**

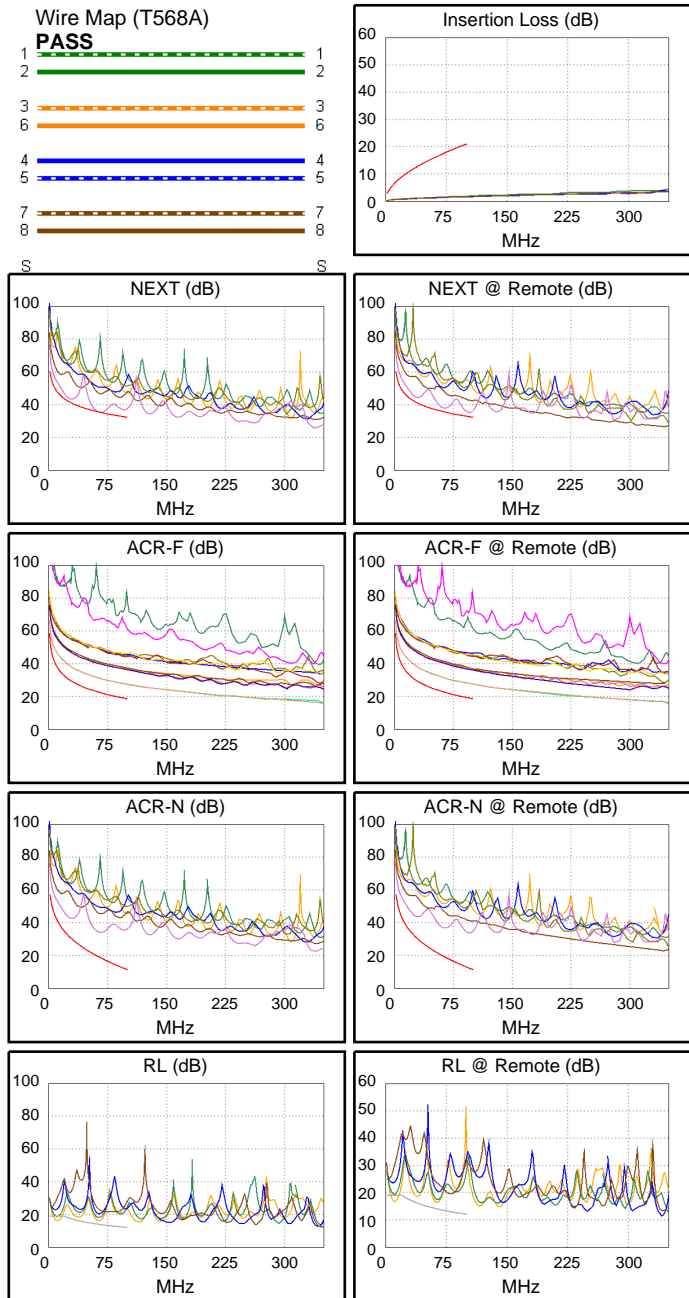
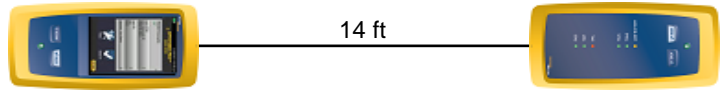
Date / Time: 11/23/2016 10:11:09 AM  
**Headroom -0.2 dB (NEXT 45-78)**  
**Test Limit: TIA 1005 Cat 5e Perm. Link**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

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]	21
Delay Skew (ns), Limit 44	[Pair 12]	0
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



	Worst Case Margin		Worst Case Value	
<b>FAIL</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>NEXT (dB)</b>	<b>-0.2 F</b>	2.3	0.0	2.7
Freq. (MHz)	64.3	62.5	67.0	96.5
Limit (dB)	35.5	35.7	35.2	32.6
Worst Pair	45	45	45	45
<b>PS NEXT (dB)</b>	2.5	4.9	2.7	5.1
Freq. (MHz)	64.3	95.3	67.0	97.5
Limit (dB)	32.5	29.7	32.2	29.5
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	78-45
<b>ACR-F (dB)</b>	8.1	8.1	8.8	8.8
Freq. (MHz)	1.9	4.0	100.0	100.0
Limit (dB)	53.2	46.6	18.6	18.6
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	10.4	10.4	11.2	11.4
Freq. (MHz)	1.9	1.1	100.0	100.0
Limit (dB)	50.2	54.6	15.6	15.6
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-N (dB)</b>	11.2	11.9	15.7	21.8
Freq. (MHz)	22.4	7.4	67.0	96.3
Limit (dB)	33.5	45.3	18.3	12.0
Worst Pair	45	45	45	45
<b>PS ACR-N (dB)</b>	13.5	14.2	18.4	24.3
Freq. (MHz)	6.9	6.3	67.0	97.5
Limit (dB)	43.0	43.9	15.3	8.8
<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
<b>RL (dB)</b>	-2.9	-2.3	-2.9	2.3
Freq. (MHz)	11.8	11.5	11.8	63.8
Limit (dB)	19.0	19.0	19.0	14.0