

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
Permanent-70m	PASS	TIA Cat 6 Perm. Link	70.5 m	7.0 dB (NEXT)	10/31/2016 03:17 AM
Permanent-80m	PASS	TIA Cat 6 Perm. Link	80.3 m	6.2 dB (NEXT)	10/31/2016 03:02 AM
Channel-Patch Cord 1*1-80m	PASS	TIA Cat 6 Channel	82.3 m	8.5 dB (NEXT)	10/31/2016 02:52 AM
Channel-Patch Cord3*3-80m	PASS	TIA Cat 6 Channel	86.5 m	8.3 dB (NEXT)	10/31/2016 02:49 AM
Channel-Patch Cord 3m	PASS	TIA Cat 6 Channel	2.9 m	19.0 dB (NEXT)	10/31/2016 02:41 AM
Channel-Patch Cord 1&3-10m	PASS	TIA Cat 6 Channel	14.1 m	6.3 dB (NEXT)	10/31/2016 02:40 AM
Permanent-54m	PASS	TIA Cat 6 Perm. Link	54.2 m	7.3 dB (NEXT)	10/31/2016 03:29 AM
Channel-Patch Cord1*3-70m	PASS	TIA Cat 6 Channel	58.3 m	10.6 dB (NEXT)	10/31/2016 03:32 AM
Channel-15m	PASS	TIA Cat 6 Channel	15.9 m	7.3 dB (NEXT)	10/31/2016 03:36 AM
Permanent-81m	PASS	TIA Cat 6 Perm. Link	80.1 m	6.7 dB (NEXT)	10/31/2016 04:04 AM
Channel-81m	PASS	TIA Cat 6 Channel	84.0 m	11.4 dB (NEXT)	10/31/2016 04:08 AM
Channel-Kham	PASS	TIA Cat 6 Channel	84.0 m	11.1 dB (NEXT)	10/31/2016 04:12 AM
Channel-2nafar rooye cable	PASS	TIA Cat 6 Channel	84.0 m	10.5 dB (NEXT)	10/31/2016 04:14 AM

Total Length:	797.1 m
Number of Reports:	13
Number of Passing Reports:	13
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



**Cable ID: Permanent-70m**

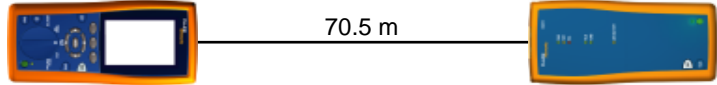
Date / Time: 10/31/2016 03:17:53 AM  
**Headroom 7.0 dB (NEXT 36-78)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

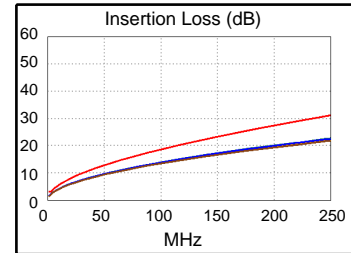
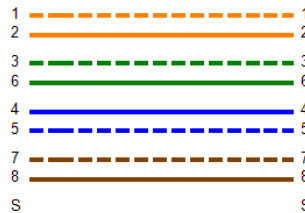
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (m), Limit 90.0	[Pair 78]	70.5
Prop. Delay (ns), Limit 498	[Pair 45]	359
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 45]	10.9
Insertion Loss Margin (dB)	[Pair 36]	8.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

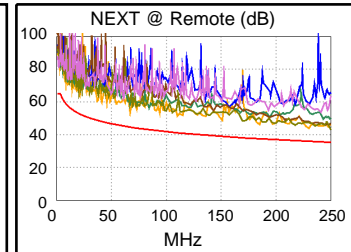
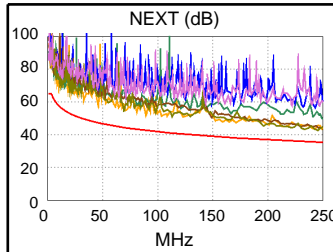


Wire Map (T568B)  
**PASS**

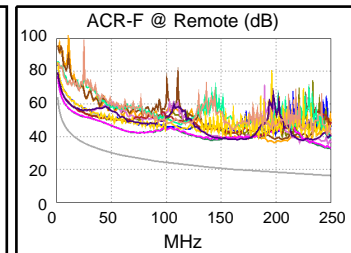
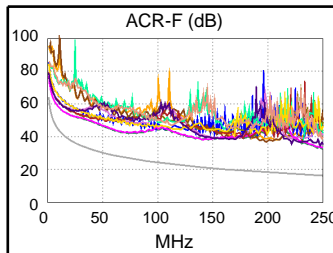


Worst Case Margin Worst Case Value

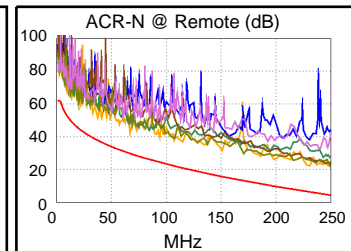
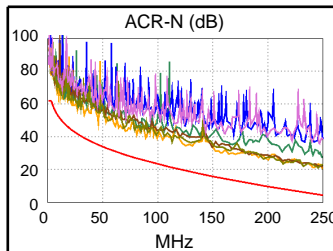
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
<b>NEXT (dB)</b>	7.0	7.8	7.1	7.8
Freq. (MHz)	214.0	250.0	245.5	250.0
Limit (dB)	36.4	35.3	35.5	35.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	6.0	7.4	6.2	7.4
Freq. (MHz)	214.0	250.0	244.0	250.0
Limit (dB)	33.8	32.7	32.9	32.7



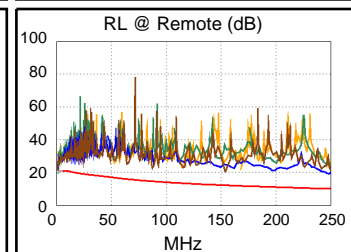
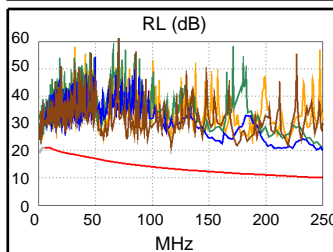
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
<b>ACR-F (dB)</b>	13.3	13.2	16.2	16.3
Freq. (MHz)	3.3	3.5	250.0	250.0
Limit (dB)	54.0	53.3	16.2	16.2
Worst Pair	45	45	45	12
<b>PS ACR-F (dB)</b>	14.6	14.6	18.3	18.8
Freq. (MHz)	6.8	6.4	249.0	244.5
Limit (dB)	44.6	45.1	13.3	13.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-78
<b>ACR-N (dB)</b>	13.4	12.2	16.4	17.2
Freq. (MHz)	14.3	67.3	250.0	250.0
Limit (dB)	48.8	29.7	4.2	4.2
Worst Pair	36	12	36	36
<b>PS ACR-N (dB)</b>	13.7	13.9	15.0	15.8
Freq. (MHz)	214.0	67.3	250.0	250.0
Limit (dB)	5.4	27.2	1.6	1.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	45	45
<b>RL (dB)</b>	6.8	6.8	9.2	9.0
Freq. (MHz)	117.0	5.9	215.5	248.0
Limit (dB)	13.3	21.0	10.7	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: Permanent-80m**

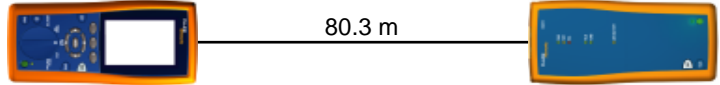
Date / Time: 10/31/2016 03:02:31 AM  
**Headroom 6.2 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

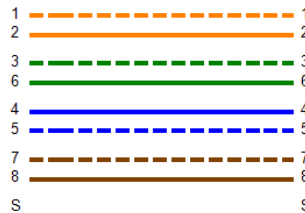
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (m), Limit 90.0	[Pair 78]	80.3
Prop. Delay (ns), Limit 498	[Pair 45]	409
Delay Skew (ns), Limit 44	[Pair 45]	21
Resistance (ohms)	[Pair 36]	12.3
Insertion Loss Margin (dB)	[Pair 45]	5.6
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1

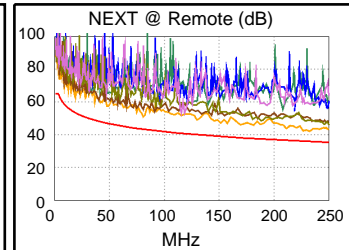
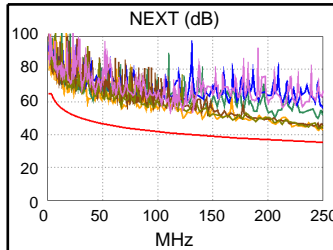


Wire Map (T568B)  
**PASS**

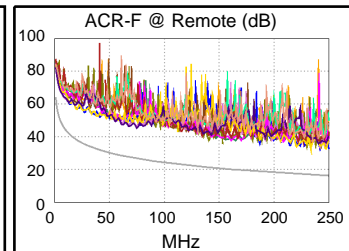
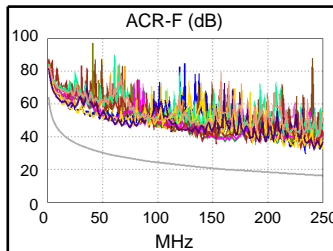


Worst Case Margin Worst Case Value

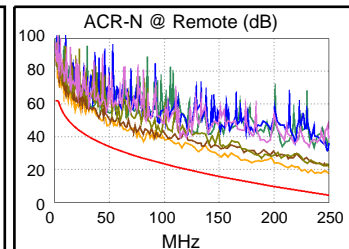
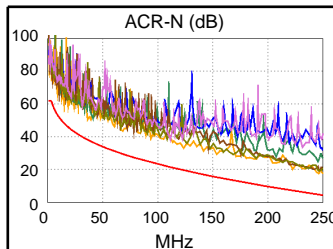
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	7.2	6.2	7.2	6.2
Freq. (MHz)	246.0	232.5	246.0	232.5
Limit (dB)	35.5	35.9	35.5	35.9
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	6.2	7.5	6.2	7.8
Freq. (MHz)	246.5	226.5	246.5	250.0
Limit (dB)	32.8	33.4	32.8	32.7



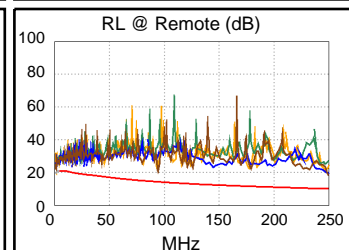
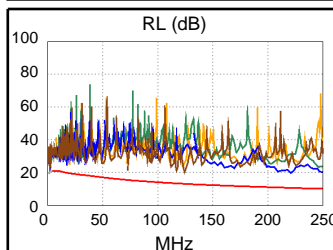
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
<b>ACR-F (dB)</b>	15.4	15.5	15.4	15.5
Freq. (MHz)	228.5	228.5	228.5	228.5
Limit (dB)	17.0	17.0	17.0	17.0
Worst Pair	36	78	36	78
<b>PS ACR-F (dB)</b>	17.2	16.3	17.2	16.3
Freq. (MHz)	242.5	242.0	242.5	242.0
Limit (dB)	13.5	13.5	13.5	13.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	11.0	10.3	13.2	11.6
Freq. (MHz)	15.0	80.8	250.0	232.5
Limit (dB)	48.2	26.8	4.2	6.0
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	11.7	11.1	11.7	13.5
Freq. (MHz)	246.5	4.1	246.5	250.0
Limit (dB)	2.0	58.0	2.0	1.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	78
<b>RL (dB)</b>	7.2	5.5	9.1	8.4
Freq. (MHz)	124.5	7.6	221.5	249.5
Limit (dB)	13.0	21.0	10.5	10.0



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



**Cable ID: Channel-Patch Cord 1\*1-80m**

Date / Time: 10/31/2016 02:52:53 AM

Headroom 8.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 UTP

Calibration Date: 10/21/2010

Operator: GHELICHKHANI

Software Version: 2.5200

Limits Version: 1.7000

NVP: 69.0%

**Test Summary: PASS**

Model: DTX-1800

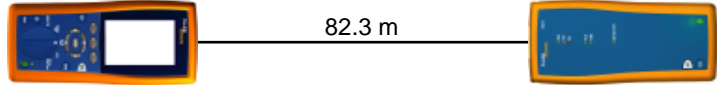
Main S/N: 1476509

Remote S/N: 1476510

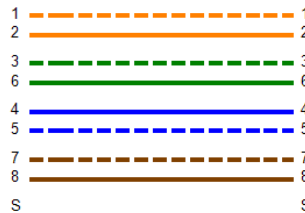
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	82.3
Prop. Delay (ns), Limit 555	[Pair 45]	420
Delay Skew (ns), Limit 50	[Pair 45]	22
Resistance (ohms)	[Pair 45]	13.0
Insertion Loss Margin (dB)	[Pair 45]	10.2
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9

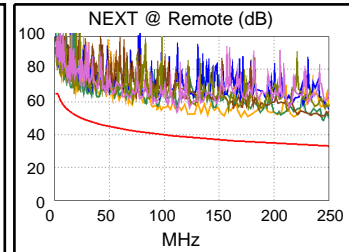
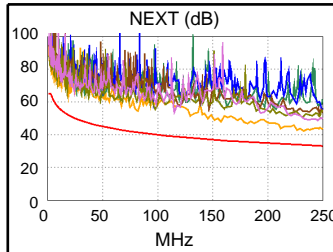


Wire Map (T568B)  
**PASS**

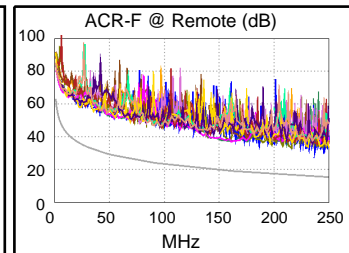
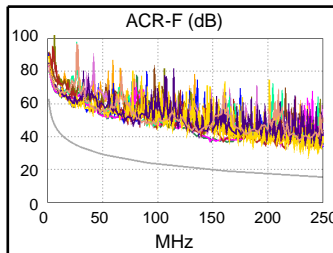


Worst Case Margin Worst Case Value

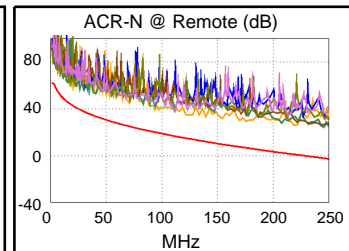
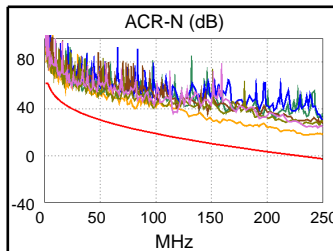
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-45
<b>NEXT (dB)</b>	8.5	12.5	8.6	15.5
Freq. (MHz)	232.5	122.5	236.5	244.5
Limit (dB)	33.7	38.4	33.5	33.3
Worst Pair	36	12	36	45
<b>PS NEXT (dB)</b>	10.8	14.8	10.8	16.5
Freq. (MHz)	232.5	93.8	232.5	244.5
Limit (dB)	30.7	37.6	30.7	30.3



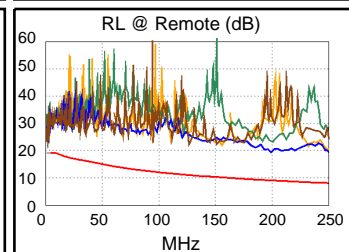
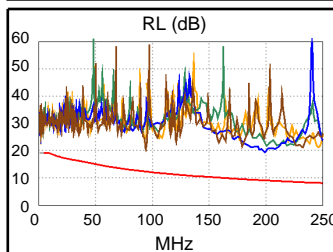
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
<b>ACR-F (dB)</b>	14.8	14.9	14.8	14.9
Freq. (MHz)	245.5	245.5	245.5	245.5
Limit (dB)	15.5	15.5	15.5	15.5
Worst Pair	12	78	12	78
<b>PS ACR-F (dB)</b>	17.2	17.1	17.2	17.2
Freq. (MHz)	245.5	229.5	245.5	245.5
Limit (dB)	12.5	13.0	12.5	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-36	12-45
<b>ACR-N (dB)</b>	15.0	15.4	18.3	25.7
Freq. (MHz)	18.9	5.1	236.5	244.5
Limit (dB)	43.3	56.8	-1.3	-2.2
Worst Pair	36	36	36	45
<b>PS ACR-N (dB)</b>	15.7	15.9	20.7	26.7
Freq. (MHz)	3.9	4.9	236.5	244.5
Limit (dB)	56.8	54.7	-4.2	-5.2



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	45
<b>RL (dB)</b>	8.1	9.6	10.3	10.2
Freq. (MHz)	94.3	35.5	199.0	198.5
Limit (dB)	12.3	16.2	9.0	9.0



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



**Cable ID: Channel-Patch Cord3\*3-80m**

Date / Time: 10/31/2016 02:49:29 AM

Headroom 8.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 UTP

Calibration Date: 10/21/2010

Operator: GHELICHKHANI

Software Version: 2.5200

Limits Version: 1.7000

NVP: 69.0%

**Test Summary: PASS**

Model: DTX-1800

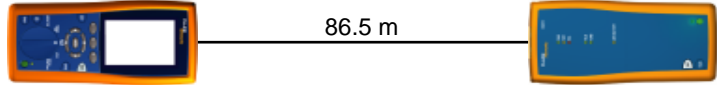
Main S/N: 1476509

Remote S/N: 1476510

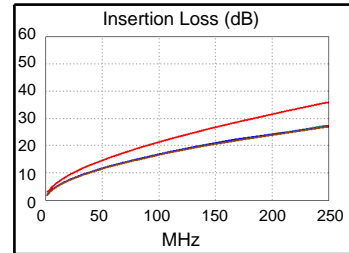
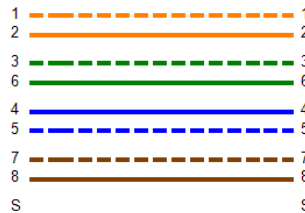
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	86.5
Prop. Delay (ns), Limit 555	[Pair 45]	440
Delay Skew (ns), Limit 50	[Pair 45]	22
Resistance (ohms)	[Pair 45]	13.9
Insertion Loss Margin (dB)	[Pair 12]	8.6
Frequency (MHz)	[Pair 12]	249.0
Limit (dB)	[Pair 12]	35.9

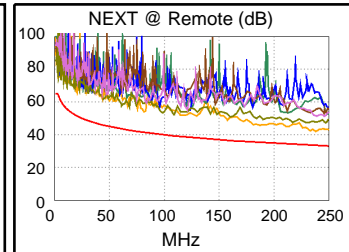
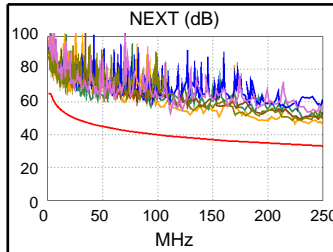


Wire Map (T568B)  
**PASS**

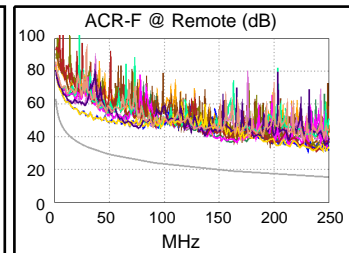
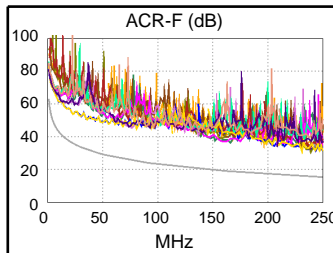


Worst Case Margin Worst Case Value

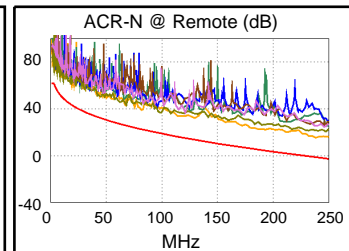
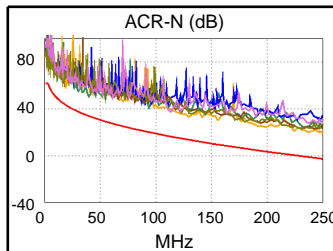
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	12.6	8.3	12.6	8.3
Freq. (MHz)	250.0	237.0	250.0	237.0
Limit (dB)	33.1	33.5	33.1	33.5
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	12.8	10.0	12.8	10.0
Freq. (MHz)	223.5	237.0	223.5	237.0
Limit (dB)	31.0	30.6	31.0	30.6



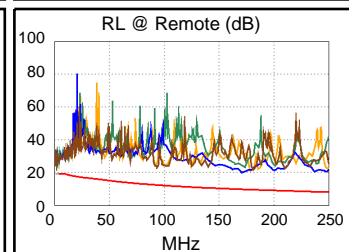
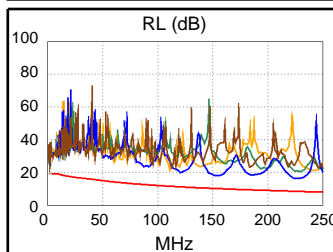
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	14.8	14.4	14.8	14.4
Freq. (MHz)	239.0	239.5	239.0	239.5
Limit (dB)	15.7	15.7	15.7	15.7
Worst Pair	12	36	12	36
<b>PS ACR-F (dB)</b>	15.8	16.4	15.8	16.4
Freq. (MHz)	231.0	239.0	231.0	239.0
Limit (dB)	13.0	12.7	13.0	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-36	12-36
<b>ACR-N (dB)</b>	14.7	12.8	21.2	16.4
Freq. (MHz)	2.3	3.5	250.0	237.0
Limit (dB)	61.9	60.2	-2.8	-1.3
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	15.6	14.7	22.4	18.2
Freq. (MHz)	4.6	6.0	250.0	237.0
Limit (dB)	55.2	52.8	-5.8	-4.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	45
<b>RL (dB)</b>	7.7	6.8	7.9	10.1
Freq. (MHz)	152.5	3.9	227.0	171.0
Limit (dB)	10.2	19.0	8.4	9.7



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: Channel-Patch Cord 3m**

Date / Time: 10/31/2016 02:41:43 AM

Headroom 19.0 dB (NEXT 36-78)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 UTP

Calibration Date: 10/21/2010

Operator: GHELICKHANI

Software Version: 2.5200

Limits Version: 1.7000

NVP: 69.0%

**Test Summary: PASS**

Model: DTX-1800

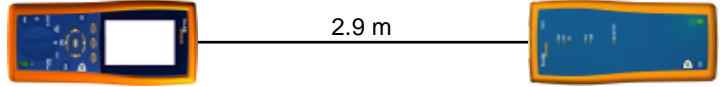
Main S/N: 1476509

Remote S/N: 1476510

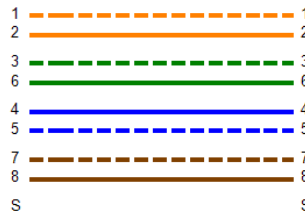
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 12]	2.9
Prop. Delay (ns), Limit 555	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 12]	0.6
Insertion Loss Margin (dB)	[Pair 12]	34.3
Frequency (MHz)	[Pair 12]	246.0
Limit (dB)	[Pair 12]	35.6

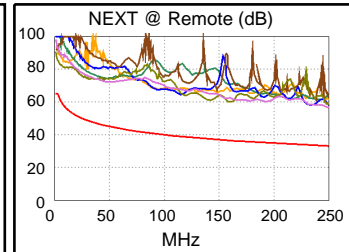
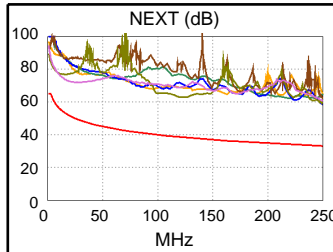


Wire Map (T568B)  
**PASS**

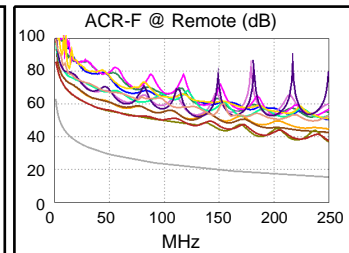
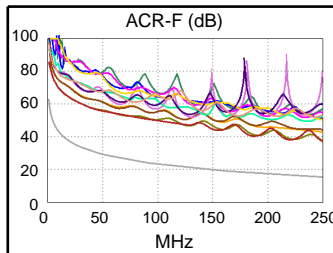


Worst Case Margin Worst Case Value

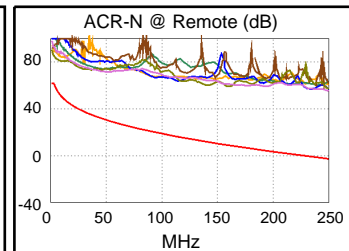
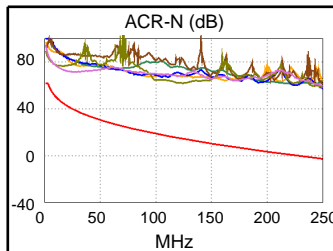
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-78	45-78
<b>NEXT (dB)</b>	19.0	20.2	25.5	23.4
Freq. (MHz)	3.1	3.0	250.0	250.0
Limit (dB)	64.8	65.0	33.1	33.1
Worst Pair	78	36	78	78
<b>PS NEXT (dB)</b>	19.6	21.3	24.6	22.5
Freq. (MHz)	3.3	3.5	249.0	250.0
Limit (dB)	62.0	61.5	30.2	30.2



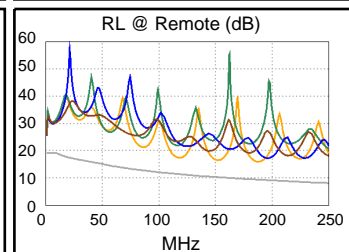
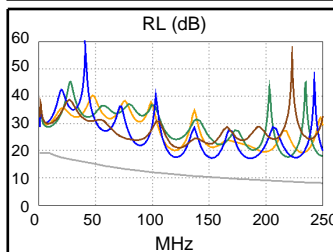
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	21.7	21.6	21.7	21.6
Freq. (MHz)	218.0	220.0	250.0	250.0
Limit (dB)	16.5	16.4	15.3	15.3
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	23.7	24.2	23.7	24.3
Freq. (MHz)	250.0	224.0	250.0	250.0
Limit (dB)	12.3	13.3	12.3	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-78	45-78
<b>ACR-N (dB)</b>	22.5	23.6	60.2	58.1
Freq. (MHz)	3.0	3.0	250.0	250.0
Limit (dB)	61.5	61.5	-2.8	-2.8
Worst Pair	78	36	78	78
<b>PS ACR-N (dB)</b>	23.1	24.9	59.3	57.3
Freq. (MHz)	3.3	3.3	249.0	250.0
Limit (dB)	58.4	58.4	-5.7	-5.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	12
<b>RL (dB)</b>	6.2	6.0	7.8	6.6
Freq. (MHz)	121.0	117.0	185.0	186.5
Limit (dB)	11.2	11.3	9.3	9.3



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: Channel-Patch Cord 1&3-10m**

Date / Time: 10/31/2016 02:40:24 AM

Headroom 6.3 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 UTP

Calibration Date: 10/21/2010

Operator: GHELICHKHANI

Software Version: 2.5200

Limits Version: 1.7000

NVP: 69.0%

**Test Summary: PASS**

Model: DTX-1800

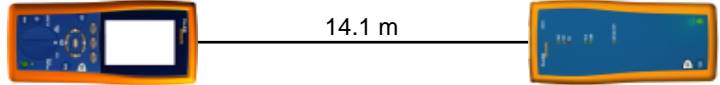
Main S/N: 1476509

Remote S/N: 1476510

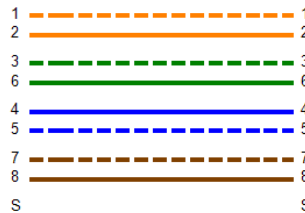
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	14.1
Prop. Delay (ns), Limit 555	[Pair 45]	72
Delay Skew (ns), Limit 50	[Pair 45]	4
Resistance (ohms)	[Pair 12]	2.5
Insertion Loss Margin (dB)	[Pair 12]	31.0
Frequency (MHz)	[Pair 12]	249.5
Limit (dB)	[Pair 12]	35.9

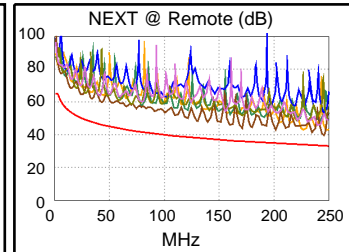
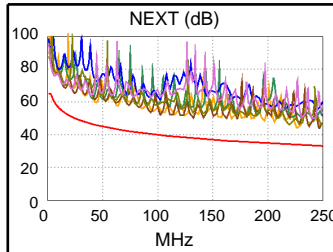


Wire Map (T568B)  
**PASS**

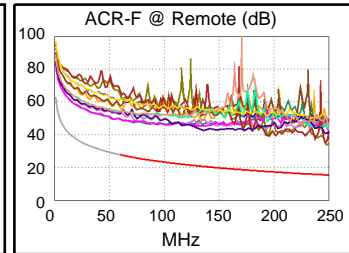
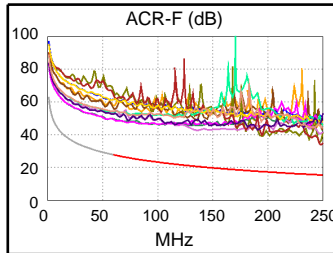


Worst Case Margin Worst Case Value

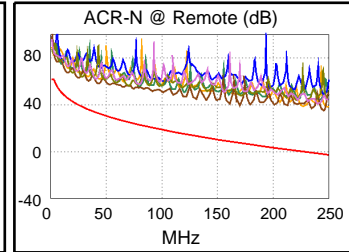
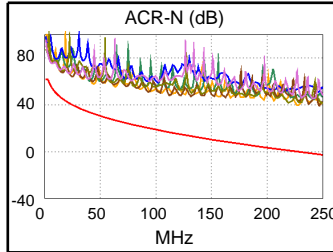
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
<b>NEXT (dB)</b>	10.2	6.3	10.2	6.3
Freq. (MHz)	227.5	245.0	227.5	245.0
Limit (dB)	33.8	33.3	33.8	33.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	10.3	8.3	10.6	8.3
Freq. (MHz)	227.5	245.5	247.0	245.5
Limit (dB)	30.9	30.3	30.2	30.3



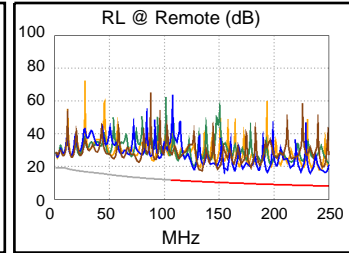
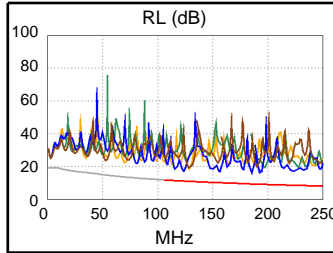
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	18.5	18.5	18.5	18.5
Freq. (MHz)	248.5	248.0	248.5	248.0
Limit (dB)	15.4	15.4	15.4	15.4
Worst Pair	36	45	36	45
<b>PS ACR-F (dB)</b>	21.2	21.2	21.2	21.2
Freq. (MHz)	248.5	248.5	248.5	248.5
Limit (dB)	12.4	12.4	12.4	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	36-45	36-45
<b>ACR-N (dB)</b>	19.6	20.1	41.8	37.3
Freq. (MHz)	4.8	4.6	246.5	245.0
Limit (dB)	57.5	57.7	-2.4	-2.3
Worst Pair	45	36	36	36
<b>PS ACR-N (dB)</b>	19.8	20.6	41.6	39.3
Freq. (MHz)	3.3	3.9	247.0	245.5
Limit (dB)	58.4	56.8	-5.4	-5.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	45
<b>RL (dB)</b>	6.0	5.9	6.8	7.4
Freq. (MHz)	123.5	133.0	185.5	233.5
Limit (dB)	11.1	10.8	9.3	8.3



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: Permanent-54m**

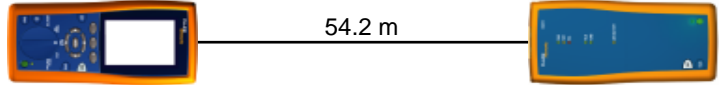
Date / Time: 10/31/2016 03:29:55 AM  
**Headroom 7.3 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

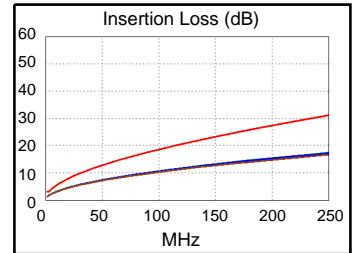
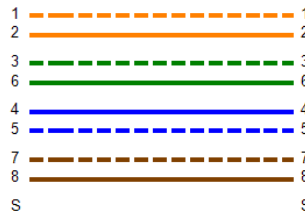
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (m), Limit 90.0	[Pair 78]	54.2
Prop. Delay (ns), Limit 498	[Pair 45]	276
Delay Skew (ns), Limit 44	[Pair 45]	14
Resistance (ohms)	[Pair 45]	8.3
Insertion Loss Margin (dB)	[Pair 36]	13.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

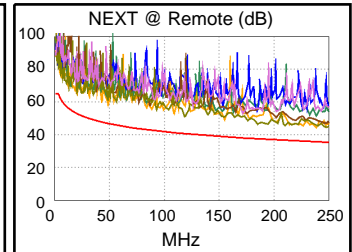
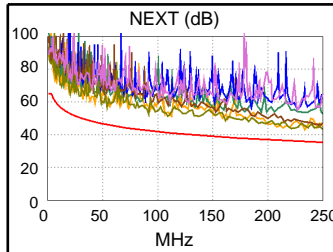


Wire Map (T568B)  
**PASS**

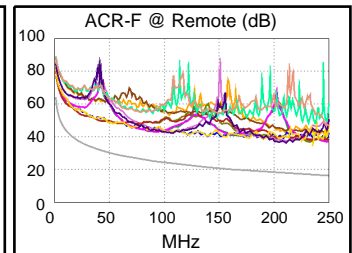
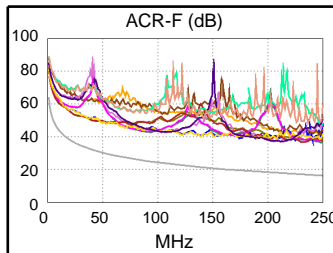


Worst Case Margin Worst Case Value

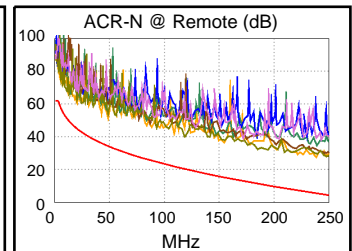
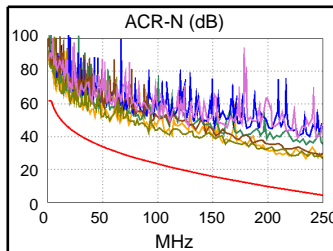
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-36	12-36
<b>NEXT (dB)</b>	7.3	7.8	7.3	8.6
Freq. (MHz)	233.5	193.0	233.5	238.5
Limit (dB)	35.8	37.2	35.8	35.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	6.7	8.1	6.9	8.2
Freq. (MHz)	220.5	239.5	234.0	247.5
Limit (dB)	33.6	33.0	33.2	32.8



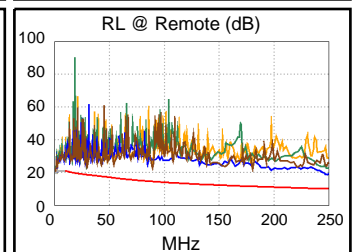
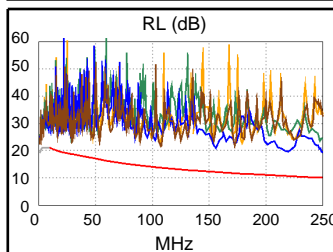
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-45	78-36
<b>ACR-F (dB)</b>	16.3	16.2	20.1	18.2
Freq. (MHz)	6.8	8.1	248.5	206.0
Limit (dB)	47.6	46.0	16.3	17.9
Worst Pair	45	45	12	12
<b>PS ACR-F (dB)</b>	16.8	16.7	20.7	20.8
Freq. (MHz)	4.9	4.8	242.0	244.5
Limit (dB)	47.4	47.7	13.5	13.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	14.4	14.8	20.4	21.9
Freq. (MHz)	7.8	20.4	234.0	239.0
Limit (dB)	54.7	45.0	5.9	5.4
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	14.6	15.0	21.4	21.9
Freq. (MHz)	20.5	20.4	250.0	247.5
Limit (dB)	42.5	42.6	1.6	1.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	45
<b>RL (dB)</b>	3.9	4.2	9.2	8.6
Freq. (MHz)	29.5	29.5	250.0	248.5
Limit (dB)	18.7	18.7	10.0	10.0



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



**Cable ID: Channel-Patch Cord1\*3-70m**

Date / Time: 10/31/2016 03:32:59 AM

Headroom 10.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 UTP

Calibration Date: 10/21/2010

Operator: GHELICKHANI

Software Version: 2.5200

Limits Version: 1.7000

NVP: 69.0%

**Test Summary: PASS**

Model: DTX-1800

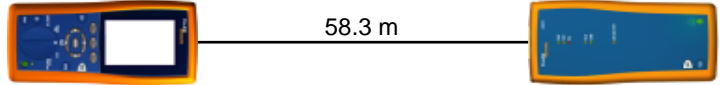
Main S/N: 1476509

Remote S/N: 1476510

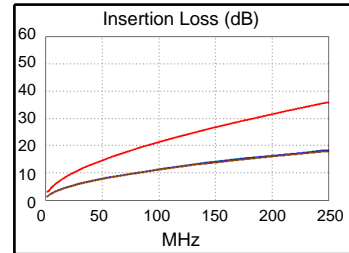
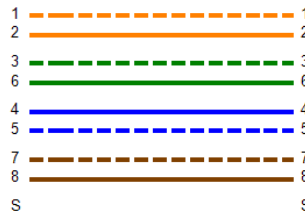
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	58.3
Prop. Delay (ns), Limit 555	[Pair 45]	297
Delay Skew (ns), Limit 50	[Pair 45]	15
Resistance (ohms)	[Pair 45]	9.4
Insertion Loss Margin (dB)	[Pair 36]	17.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

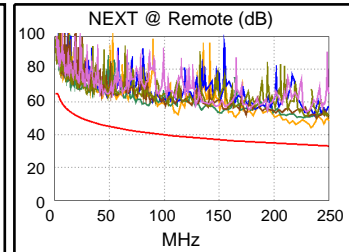
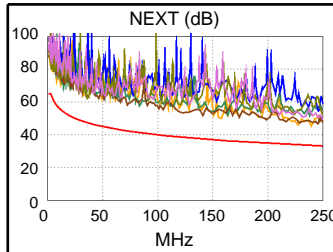


Wire Map (T568B)  
**PASS**

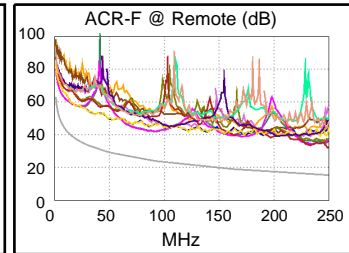
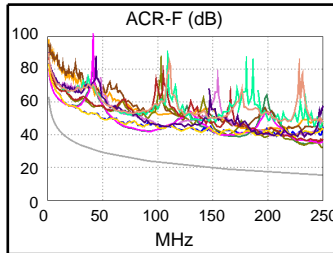


Worst Case Margin Worst Case Value

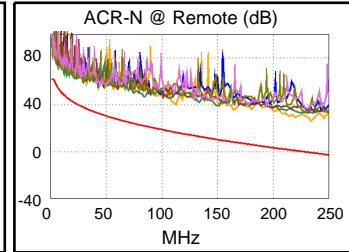
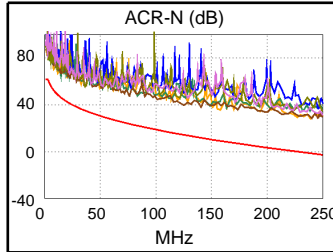
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	11.9	10.6	11.9	10.6
Freq. (MHz)	239.5	234.0	239.5	234.0
Limit (dB)	33.4	33.6	33.4	33.6
Worst Pair	36	12	36	12
<b>PS NEXT (dB)</b>	12.3	12.2	12.3	12.2
Freq. (MHz)	240.0	234.0	240.0	234.0
Limit (dB)	30.5	30.7	30.5	30.7



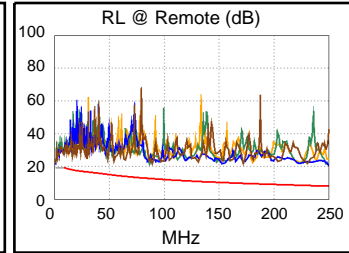
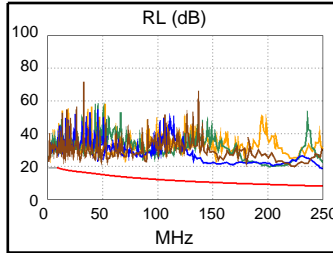
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	17.0	16.8	17.0	16.8
Freq. (MHz)	248.5	248.5	249.0	249.0
Limit (dB)	15.4	15.4	15.3	15.3
Worst Pair	45	12	45	36
<b>PS ACR-F (dB)</b>	17.9	18.9	18.3	19.6
Freq. (MHz)	234.5	82.3	248.5	249.0
Limit (dB)	12.9	22.0	12.4	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	17.5	17.6	28.8	27.5
Freq. (MHz)	8.1	5.5	239.5	234.0
Limit (dB)	52.3	56.1	-1.6	-1.0
Worst Pair	36	12	36	12
<b>PS ACR-N (dB)</b>	17.8	18.0	29.3	29.2
Freq. (MHz)	3.5	7.5	240.0	234.0
Limit (dB)	57.7	50.6	-4.6	-3.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	78
<b>RL (dB)</b>	7.1	7.3	10.7	7.9
Freq. (MHz)	16.1	29.5	249.0	89.5
Limit (dB)	18.0	16.7	8.0	12.5



Compliant Network Standards:

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



**Cable ID: Channel-15m**

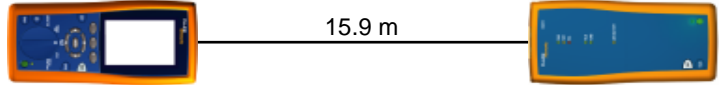
Date / Time: 10/31/2016 03:36:44 AM  
**Headroom 7.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

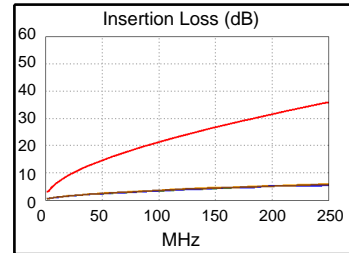
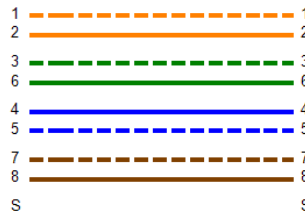
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	15.9
Prop. Delay (ns), Limit 555	[Pair 45]	81
Delay Skew (ns), Limit 50	[Pair 45]	4
Resistance (ohms)	[Pair 12]	2.9
Insertion Loss Margin (dB)	[Pair 12]	30.0
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

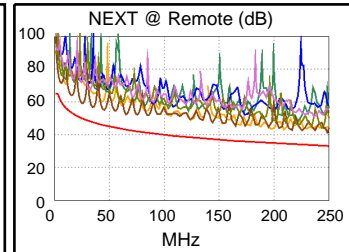
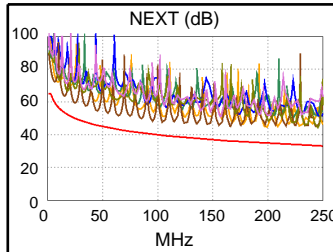


Wire Map (T568B)  
**PASS**

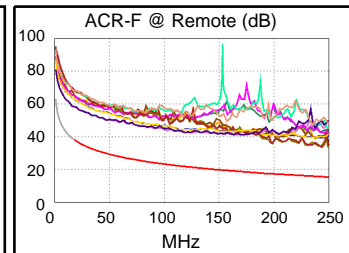
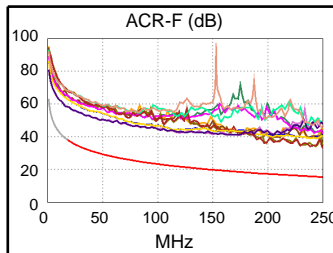


Worst Case Margin Worst Case Value

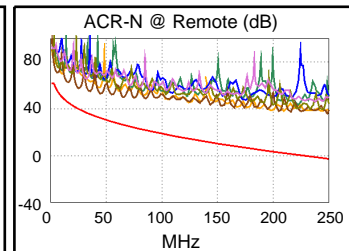
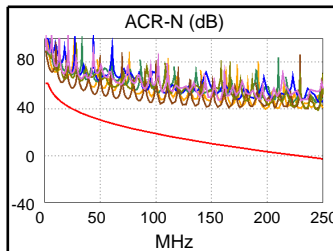
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
<b>NEXT (dB)</b>	7.3	7.3	10.9	7.3
Freq. (MHz)	105.0	238.5	244.5	238.5
Limit (dB)	39.6	33.5	33.3	33.5
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	8.6	8.9	10.8	8.9
Freq. (MHz)	105.0	238.5	235.5	238.5
Limit (dB)	36.7	30.5	30.6	30.5



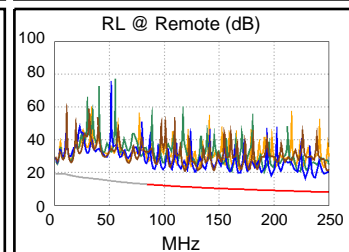
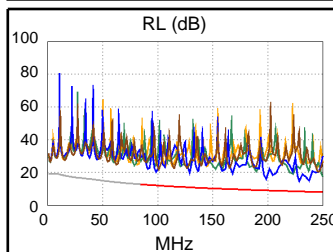
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	17.6	17.6	17.6	17.6
Freq. (MHz)	239.5	239.0	239.5	239.0
Limit (dB)	15.7	15.7	15.7	15.7
Worst Pair	36	36	36	45
<b>PS ACR-F (dB)</b>	19.6	19.8	19.7	20.3
Freq. (MHz)	197.0	197.5	239.0	250.0
Limit (dB)	14.4	14.3	12.7	12.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-45
<b>ACR-N (dB)</b>	15.9	14.7	40.8	36.8
Freq. (MHz)	5.1	4.5	244.5	238.5
Limit (dB)	56.8	58.0	-2.2	-1.5
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	17.4	16.1	40.7	38.4
Freq. (MHz)	5.1	4.4	243.5	238.5
Limit (dB)	54.2	55.7	-5.0	-4.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	6.2	8.1	6.2	8.1
Freq. (MHz)	229.0	228.5	236.5	228.5
Limit (dB)	8.4	8.4	8.3	8.4



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



**Cable ID: Permanent-81m**

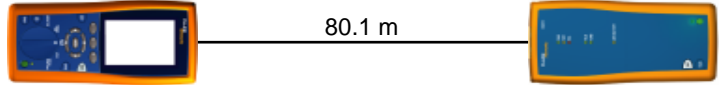
Date / Time: 10/31/2016 04:04:27 AM  
**Headroom 6.7 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

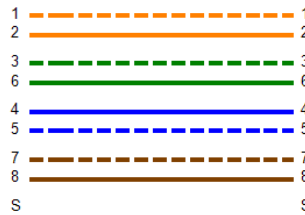
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (m), Limit 90.0	[Pair 78]	80.1
Prop. Delay (ns), Limit 498	[Pair 45]	406
Delay Skew (ns), Limit 44	[Pair 45]	19
Resistance (ohms)	[Pair 36]	12.1
Insertion Loss Margin (dB)	[Pair 36]	5.2
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

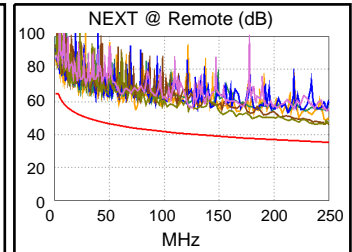
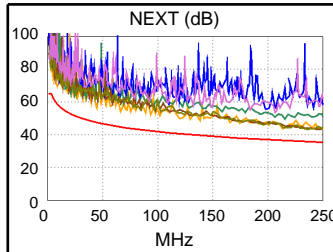


Wire Map (T568B)  
**PASS**

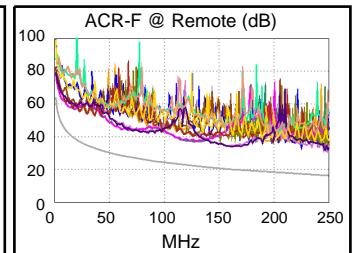
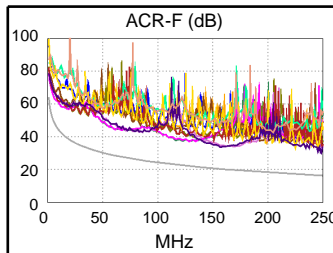


Worst Case Margin Worst Case Value

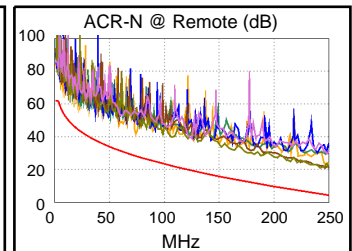
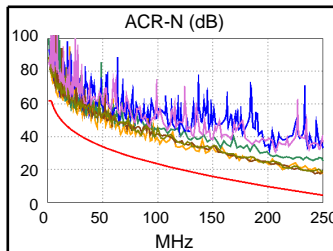
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	36-78
<b>NEXT (dB)</b>	6.7	10.0	7.2	10.0
Freq. (MHz)	214.5	242.0	242.5	242.0
Limit (dB)	36.4	35.6	35.6	35.6
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	5.8	9.7	6.0	9.7
Freq. (MHz)	214.5	246.0	241.5	246.0
Limit (dB)	33.8	32.8	33.0	32.8



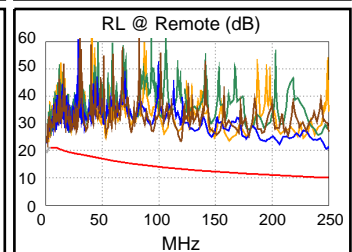
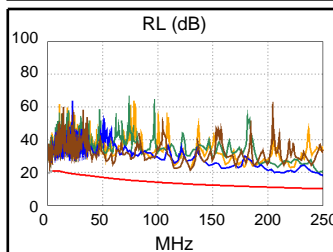
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	78-36	36-78
<b>ACR-F (dB)</b>	13.2	13.4	13.6	14.5
Freq. (MHz)	159.0	163.0	248.5	248.5
Limit (dB)	20.2	19.9	16.3	16.3
Worst Pair	36	78	36	78
<b>PS ACR-F (dB)</b>	14.8	15.5	16.0	15.7
Freq. (MHz)	159.0	170.0	248.5	245.5
Limit (dB)	17.2	16.6	13.3	13.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
<b>ACR-N (dB)</b>	10.4	13.6	12.4	16.3
Freq. (MHz)	45.0	73.8	242.5	246.5
Limit (dB)	35.4	28.3	5.0	4.6
Worst Pair	36	12	36	36
<b>PS ACR-N (dB)</b>	10.6	14.5	11.4	15.1
Freq. (MHz)	214.0	4.8	249.0	250.0
Limit (dB)	5.4	56.8	1.7	1.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	45
<b>RL (dB)</b>	7.9	6.7	8.2	10.5
Freq. (MHz)	130.0	5.3	250.0	248.0
Limit (dB)	12.9	21.0	10.0	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: Channel-81m**

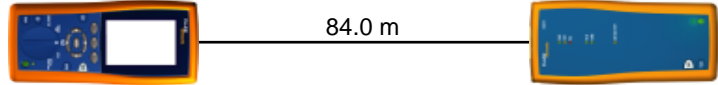
Date / Time: 10/31/2016 04:08:37 AM  
**Headroom 11.4 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

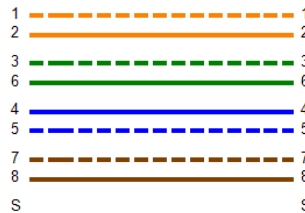
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	84.0
Prop. Delay (ns), Limit 555	[Pair 45]	427
Delay Skew (ns), Limit 50	[Pair 45]	21
Resistance (ohms)	[Pair 36]	13.2
Insertion Loss Margin (dB)	[Pair 36]	9.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

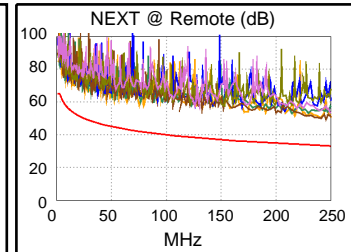
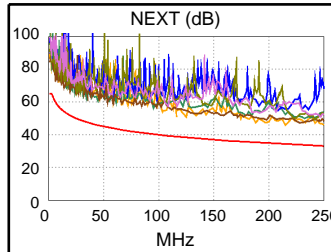


Wire Map (T568B)  
**PASS**

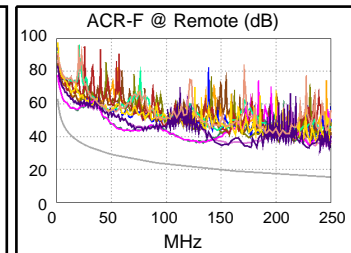
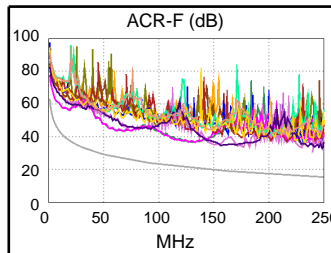


Worst Case Margin Worst Case Value

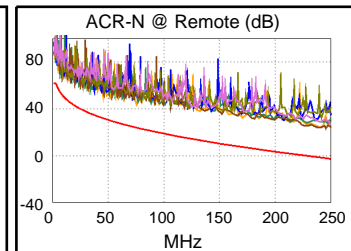
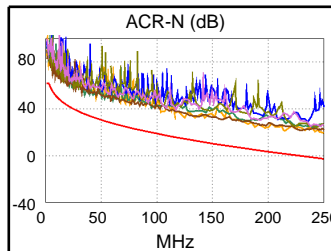
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
<b>NEXT (dB)</b>	11.4	15.1	11.4	16.1
Freq. (MHz)	214.5	8.0	214.5	245.5
Limit (dB)	34.3	58.2	34.3	33.3
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	12.7	15.4	12.7	16.5
Freq. (MHz)	232.5	8.3	232.5	241.0
Limit (dB)	30.7	55.4	30.7	30.4



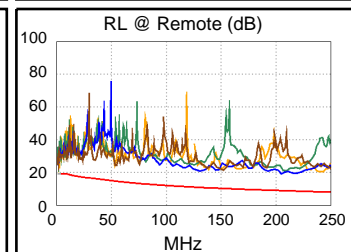
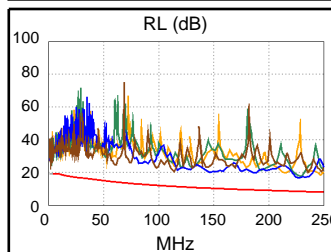
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	36-78	78-36
<b>ACR-F (dB)</b>	14.9	14.9	16.3	15.9
Freq. (MHz)	5.6	5.6	235.5	235.5
Limit (dB)	48.3	48.3	15.8	15.8
Worst Pair	12	12	36	36
<b>PS ACR-F (dB)</b>	17.2	17.3	18.4	19.0
Freq. (MHz)	5.6	5.6	248.5	235.5
Limit (dB)	45.3	45.3	12.4	12.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	12-36	36-45
<b>ACR-N (dB)</b>	14.4	16.4	22.0	25.4
Freq. (MHz)	6.3	8.0	250.0	245.5
Limit (dB)	54.9	52.5	-2.8	-2.3
Worst Pair	45	36	36	36
<b>PS ACR-N (dB)</b>	16.0	16.8	22.4	25.1
Freq. (MHz)	6.1	8.1	250.0	241.0
Limit (dB)	52.6	49.8	-5.8	-4.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	45
<b>RL (dB)</b>	8.3	9.6	8.3	10.1
Freq. (MHz)	225.5	53.0	227.0	205.5
Limit (dB)	8.5	14.8	8.4	8.9



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: Channel-Kham**

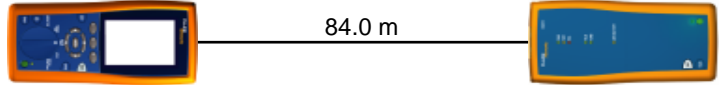
Date / Time: 10/31/2016 04:12:16 AM  
**Headroom 11.1 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Channel**  
 Cable Type: Cat 6 UTP  
 Calibration Date: 10/21/2010

Operator: GHELICHKHANI  
 Software Version: 2.5200  
 Limits Version: 1.7000  
 NVP: 69.0%

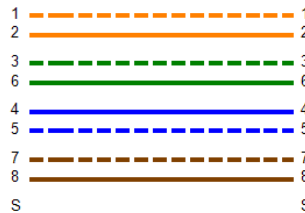
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 1476509  
 Remote S/N: 1476510  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	84.0
Prop. Delay (ns), Limit 555	[Pair 45]	427
Delay Skew (ns), Limit 50	[Pair 45]	21
Resistance (ohms)	[Pair 36]	13.1
Insertion Loss Margin (dB)	[Pair 36]	8.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

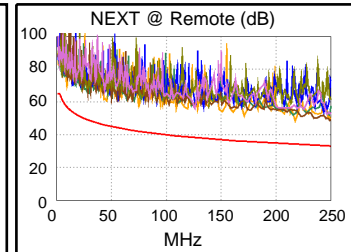
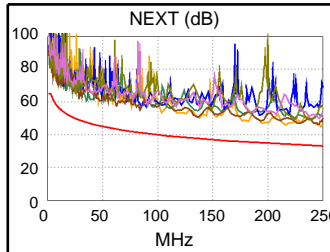


Wire Map (T568B)  
**PASS**

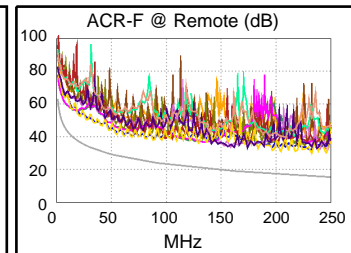
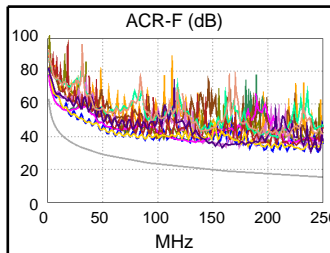


Worst Case Margin Worst Case Value

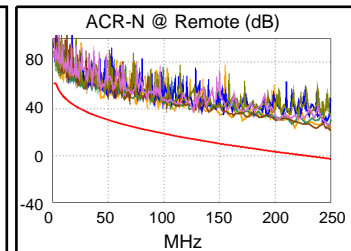
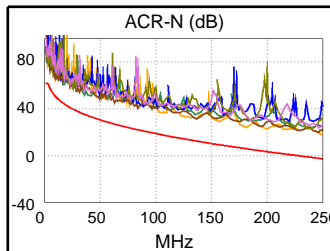
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	11.1	12.5	11.7	14.2
Freq. (MHz)	181.0	9.3	248.0	217.5
Limit (dB)	35.5	57.1	33.2	34.2
Worst Pair	36	12	36	45
<b>PS NEXT (dB)</b>	12.5	14.0	12.5	16.1
Freq. (MHz)	242.0	9.1	245.5	249.0
Limit (dB)	30.4	54.7	30.3	30.2



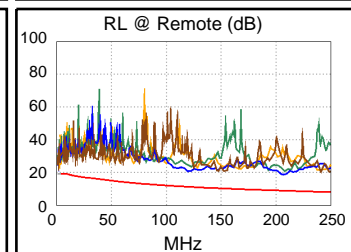
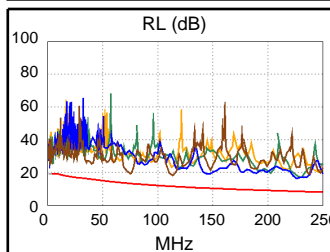
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
<b>ACR-F (dB)</b>	13.0	12.8	14.3	13.9
Freq. (MHz)	61.5	61.5	232.5	232.5
Limit (dB)	27.5	27.5	15.9	15.9
Worst Pair	12	12	78	78
<b>PS ACR-F (dB)</b>	14.9	14.4	15.6	16.2
Freq. (MHz)	62.3	61.0	232.0	239.5
Limit (dB)	24.4	24.6	12.9	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
<b>ACR-N (dB)</b>	14.3	13.9	20.5	24.7
Freq. (MHz)	9.1	9.3	248.0	249.0
Limit (dB)	51.2	51.0	-2.6	-2.7
Worst Pair	36	12	36	36
<b>PS ACR-N (dB)</b>	15.6	15.5	21.3	25.1
Freq. (MHz)	9.3	9.1	245.5	249.5
Limit (dB)	48.5	48.6	-5.3	-5.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	45	45	45
<b>RL (dB)</b>	5.9	9.3	7.8	9.6
Freq. (MHz)	75.3	119.0	226.0	205.5
Limit (dB)	13.2	11.2	8.5	8.9



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: Channel-2nafar rooye cable**

Date / Time: 10/31/2016 04:14:20 AM

Headroom 10.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 UTP

Calibration Date: 10/21/2010

Operator: GHELICHKHANI

Software Version: 2.5200

Limits Version: 1.7000

NVP: 69.0%

**Test Summary: PASS**

Model: DTX-1800

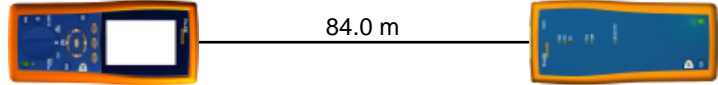
Main S/N: 1476509

Remote S/N: 1476510

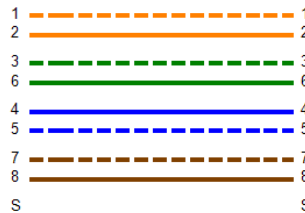
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	84.0
Prop. Delay (ns), Limit 555	[Pair 45]	427
Delay Skew (ns), Limit 50	[Pair 45]	21
Resistance (ohms)	[Pair 36]	13.1
Insertion Loss Margin (dB)	[Pair 36]	8.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

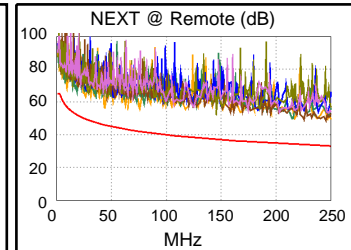
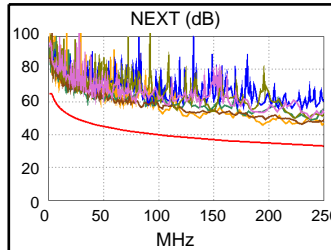


Wire Map (T568B)  
**PASS**

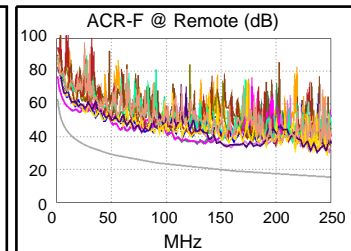
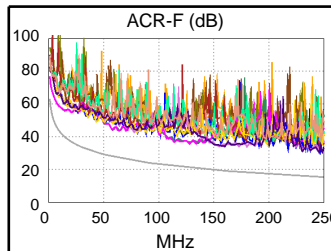


Worst Case Margin Worst Case Value

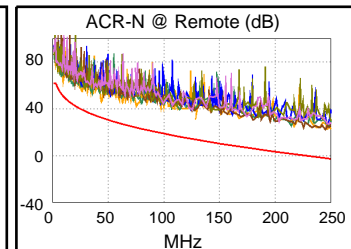
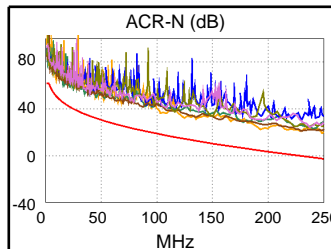
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
<b>NEXT (dB)</b>	10.9	10.5	10.9	15.2
Freq. (MHz)	193.0	43.8	193.0	245.0
Limit (dB)	35.0	46.0	35.0	33.3
Worst Pair	36	12	36	36
<b>PS NEXT (dB)</b>	12.2	12.8	12.2	15.9
Freq. (MHz)	229.5	9.3	229.5	239.5
Limit (dB)	30.8	54.6	30.8	30.5



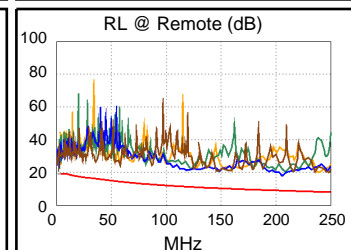
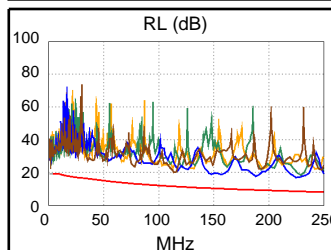
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-12	12-78	78-12
<b>ACR-F (dB)</b>	13.8	14.1	14.6	14.1
Freq. (MHz)	159.0	246.5	246.5	246.5
Limit (dB)	19.2	15.4	15.4	15.4
Worst Pair	78	78	78	78
<b>PS ACR-F (dB)</b>	14.9	15.6	14.9	16.8
Freq. (MHz)	238.5	159.5	238.5	248.5
Limit (dB)	12.7	16.2	12.7	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
<b>ACR-N (dB)</b>	13.3	12.5	21.8	24.5
Freq. (MHz)	9.4	9.4	248.5	245.0
Limit (dB)	50.9	50.9	-2.7	-2.3
Worst Pair	36	12	36	36
<b>PS ACR-N (dB)</b>	14.3	14.2	22.1	24.7
Freq. (MHz)	3.8	9.3	248.5	239.5
Limit (dB)	57.1	48.5	-5.6	-4.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	8.3	9.0	8.3	9.0
Freq. (MHz)	188.0	205.5	225.0	205.5
Limit (dB)	9.3	8.9	8.5	8.9



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