



**Cable ID: 70187-1**

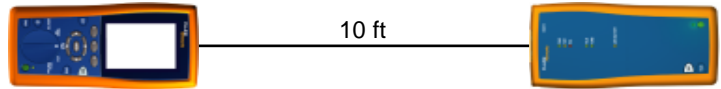
Date / Time: 10/06/2018 02:32:55 PM  
**Headroom 24.0 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

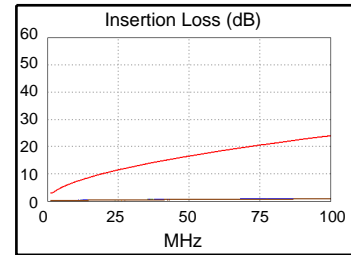
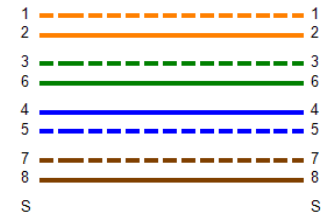
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.6
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

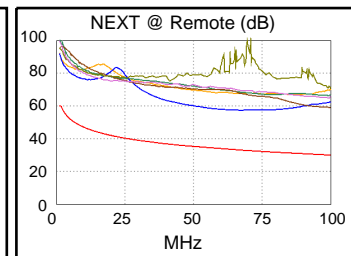
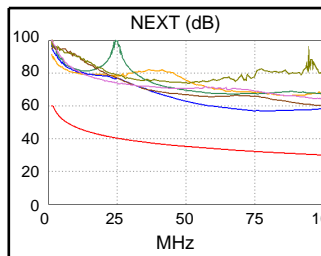


Wire Map (T568B)  
**PASS**

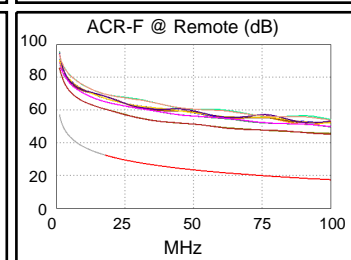
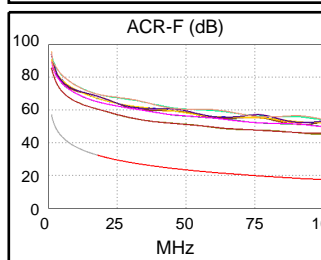


Worst Case Margin Worst Case Value

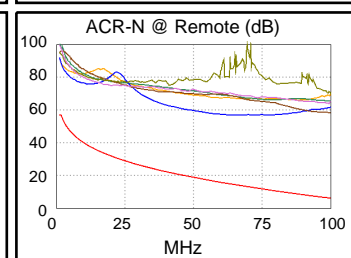
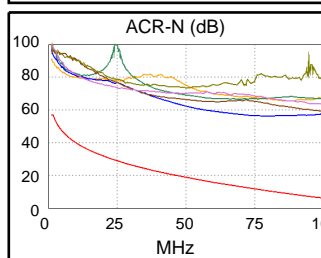
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	24.7	24.0	24.7	24.3
Freq. (MHz)	75.5	58.3	75.5	65.5
Limit (dB)	32.2	34.1	32.2	33.2
Worst Pair	12	12	12	12
<b>PS NEXT (dB)</b>	27.0	26.4	27.0	27.6
Freq. (MHz)	75.5	58.3	75.5	76.3
Limit (dB)	29.2	31.1	29.2	29.1



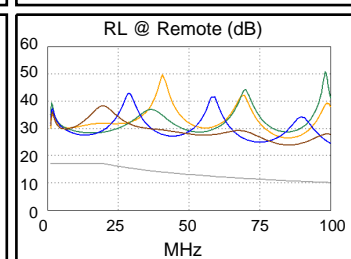
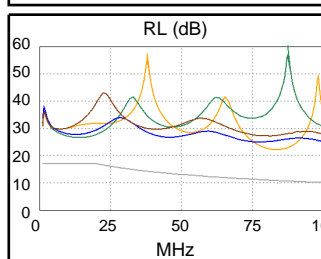
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	27.1	27.0	27.5	27.7
Freq. (MHz)	31.8	35.3	96.0	97.3
Limit (dB)	27.4	26.5	17.8	17.6
Worst Pair	36	36	45	36
<b>PS ACR-F (dB)</b>	28.6	28.5	29.2	28.7
Freq. (MHz)	33.3	31.8	99.5	93.3
Limit (dB)	24.0	24.4	14.4	15.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-78	12-78
<b>ACR-N (dB)</b>	32.1	31.5	44.7	42.7
Freq. (MHz)	1.6	1.6	75.5	65.5
Limit (dB)	56.9	56.9	11.6	14.2
Worst Pair	12	12	12	12
<b>PS ACR-N (dB)</b>	33.3	31.6	47.0	47.7
Freq. (MHz)	1.6	1.6	75.5	76.3
Limit (dB)	53.9	53.9	8.6	8.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	12	78
<b>RL (dB)</b>	9.6	10.5	11.3	13.1
Freq. (MHz)	12.5	12.4	82.3	83.8
Limit (dB)	17.0	17.0	10.9	10.8



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



**Cable ID: 70187-2**

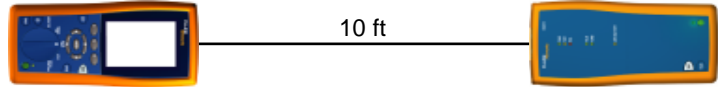
Date / Time: 10/06/2018 02:34:09 PM  
**Headroom 24.7 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

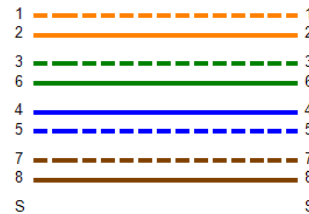
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.6
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

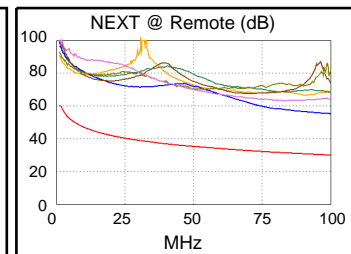
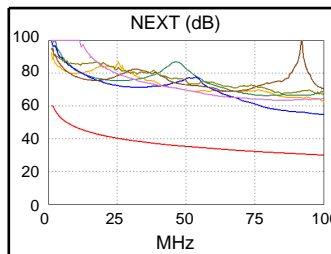


Wire Map (T568B)  
**PASS**

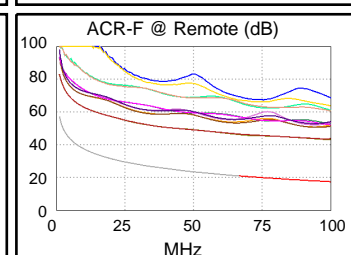
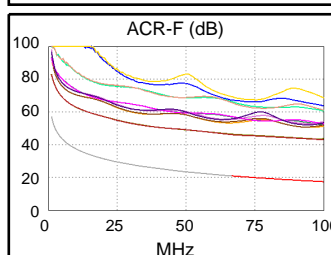


Worst Case Margin Worst Case Value

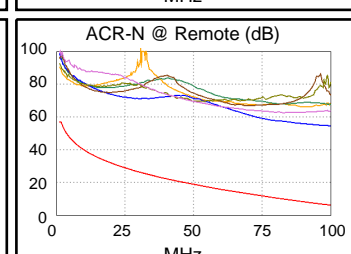
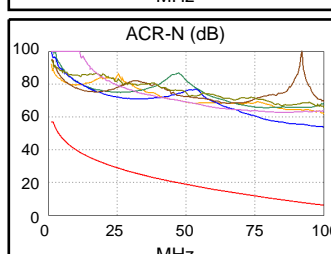
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	24.7	25.3	24.7	25.3
Freq. (MHz)	99.0	99.0	99.8	99.5
Limit (dB)	30.2	30.2	30.1	30.1
Worst Pair	12	78	12	78
<b>PS NEXT (dB)</b>	26.9	27.7	26.9	27.8
Freq. (MHz)	99.0	92.3	100.0	99.5
Limit (dB)	27.2	27.7	27.1	27.1



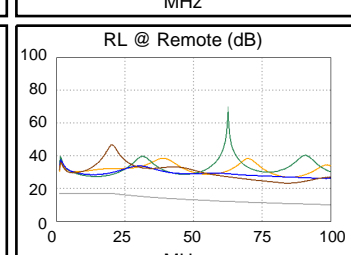
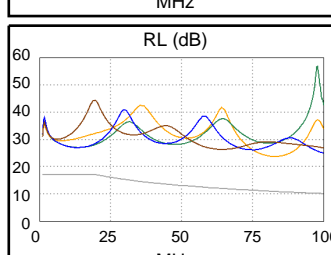
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	25.0	25.0	25.6	25.6
Freq. (MHz)	34.8	36.5	98.3	98.3
Limit (dB)	26.6	26.2	17.6	17.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	26.8	27.0	27.5	27.6
Freq. (MHz)	34.8	30.4	98.3	94.0
Limit (dB)	23.6	24.8	14.6	14.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-78	12-78
<b>ACR-N (dB)</b>	31.5	30.9	47.9	48.4
Freq. (MHz)	1.5	1.8	99.8	99.5
Limit (dB)	57.0	56.4	6.1	6.2
Worst Pair	36	36	12	78
<b>PS ACR-N (dB)</b>	32.1	31.6	50.1	50.9
Freq. (MHz)	1.9	1.8	100.0	99.5
Limit (dB)	52.8	53.4	3.1	3.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	78
<b>RL (dB)</b>	10.0	10.3	12.8	12.4
Freq. (MHz)	12.9	12.9	81.8	82.5
Limit (dB)	17.0	17.0	10.9	10.8



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



**Cable ID: 70187-3**

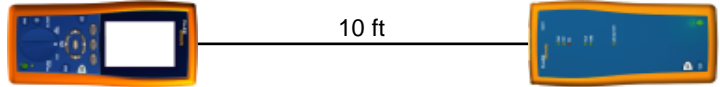
Date / Time: 10/06/2018 02:35:52 PM  
**Headroom 23.1 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

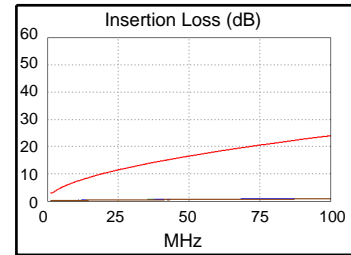
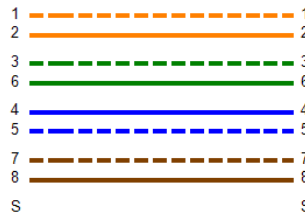
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.6
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

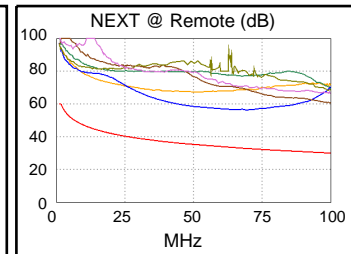
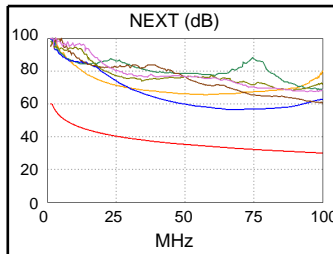


Wire Map (T568B)  
**PASS**

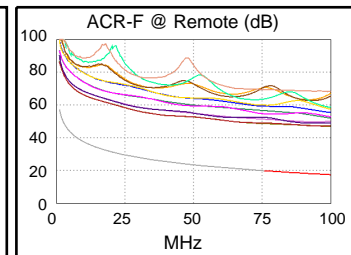
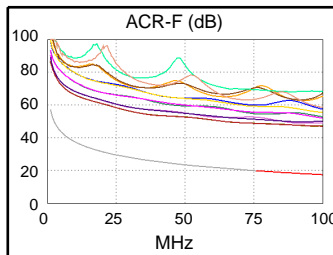


Worst Case Margin Worst Case Value

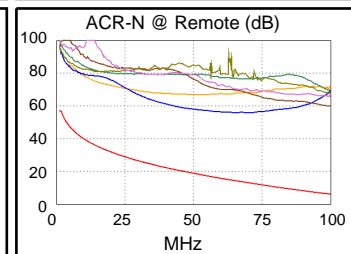
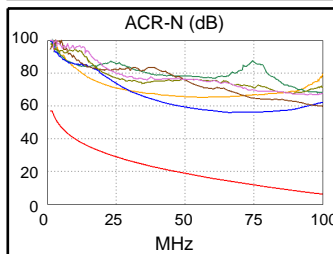
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	23.5	23.1	23.9	23.5
Freq. (MHz)	63.5	56.3	70.0	68.8
Limit (dB)	33.5	34.4	32.7	32.9
Worst Pair	12	12	12	12
<b>PS NEXT (dB)</b>	26.0	25.7	26.0	26.2
Freq. (MHz)	63.5	51.3	65.5	68.8
Limit (dB)	30.5	32.1	30.2	29.9



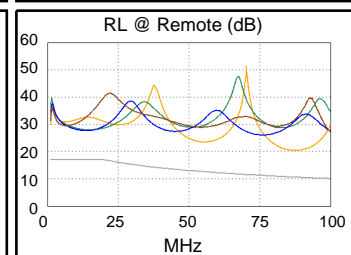
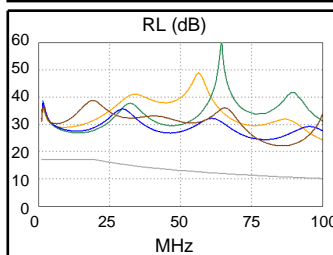
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	36-45	36-45
<b>ACR-F (dB)</b>	28.0	28.0	29.2	29.5
Freq. (MHz)	35.3	35.3	94.5	97.3
Limit (dB)	26.5	26.5	17.9	17.6
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	29.1	29.2	30.4	29.9
Freq. (MHz)	35.3	29.6	95.8	94.5
Limit (dB)	23.5	25.0	14.8	14.9



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-78	12-78	12-78
<b>ACR-N (dB)</b>	37.4	35.0	43.0	42.5
Freq. (MHz)	1.1	2.4	70.0	68.8
Limit (dB)	57.0	53.8	13.0	13.3
Worst Pair	36	12	12	12
<b>PS ACR-N (dB)</b>	37.4	35.3	44.4	45.2
Freq. (MHz)	1.1	1.8	65.5	68.8
Limit (dB)	54.0	53.4	11.2	10.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	12	78	12
<b>RL (dB)</b>	9.9	9.8	11.4	9.8
Freq. (MHz)	12.3	85.8	84.8	86.5
Limit (dB)	17.0	10.7	10.7	10.6



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



**Cable ID: 70187-4**

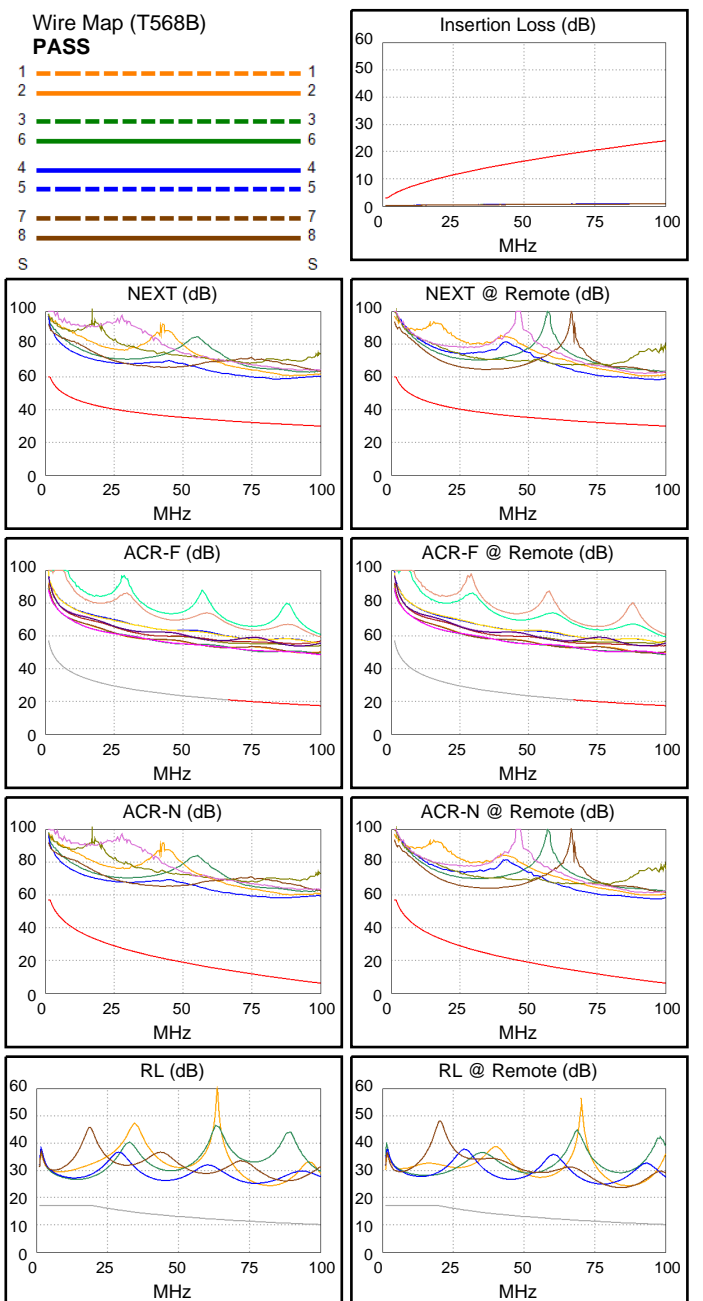
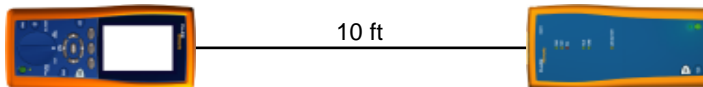
Date / Time: 10/06/2018 02:36:37 PM  
**Headroom 25.8 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.6
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



**Worst Case Margin Worst Case Value**

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	12-78	12-78
<b>NEXT (dB)</b>	27.3	25.8	27.3	28.0
Freq. (MHz)	83.0	25.3	83.0	96.0
Limit (dB)	31.5	40.3	31.5	30.4
Worst Pair	12	45	12	12
<b>PS NEXT (dB)</b>	28.0	27.4	28.0	28.3
Freq. (MHz)	82.8	25.3	86.8	96.0
Limit (dB)	28.5	37.3	28.1	27.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-12	45-12	12-45
<b>ACR-F (dB)</b>	30.9	30.9	31.1	31.1
Freq. (MHz)	76.0	76.8	100.0	100.0
Limit (dB)	19.8	19.7	17.4	17.4
Worst Pair	12	12	12	12
<b>PS ACR-F (dB)</b>	31.2	31.4	31.2	31.7
Freq. (MHz)	96.0	4.8	99.0	99.8
Limit (dB)	14.8	40.9	14.5	14.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-78	12-78
<b>ACR-N (dB)</b>	32.5	34.0	48.4	50.7
Freq. (MHz)	1.4	1.5	83.0	96.0
Limit (dB)	57.0	57.0	9.8	6.9
Worst Pair	45	36	12	12
<b>PS ACR-N (dB)</b>	33.7	35.1	49.5	51.0
Freq. (MHz)	1.6	1.5	86.8	96.0
Limit (dB)	53.9	54.0	5.9	3.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	45	12	78
<b>RL (dB)</b>	9.7	10.7	13.5	12.8
Freq. (MHz)	12.6	12.9	80.8	83.0
Limit (dB)	17.0	17.0	10.9	10.8

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



**Cable ID: 70187-5**

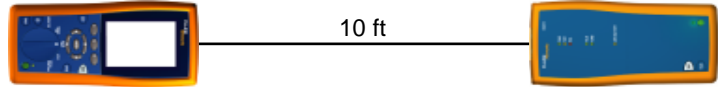
Date / Time: 10/06/2018 02:41:23 PM  
**Headroom 27.5 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

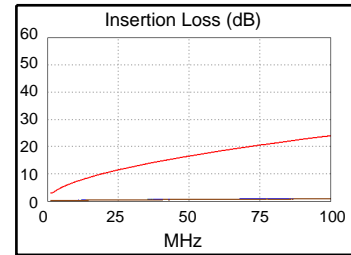
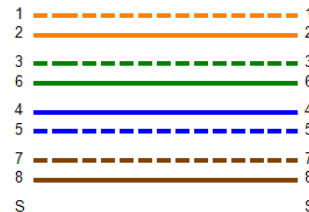
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 78]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 36]	0.6
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

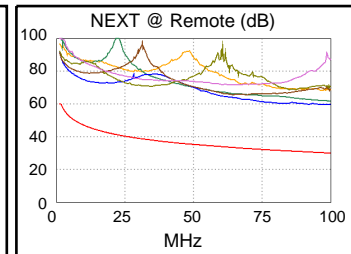
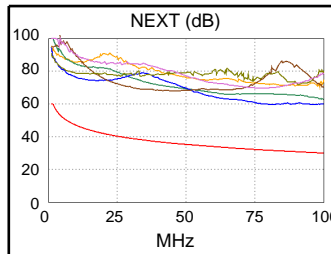


Wire Map (T568B)  
**PASS**

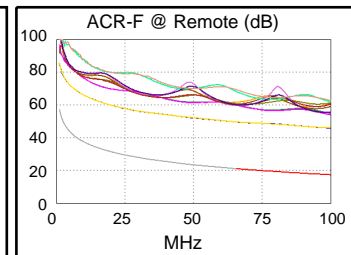
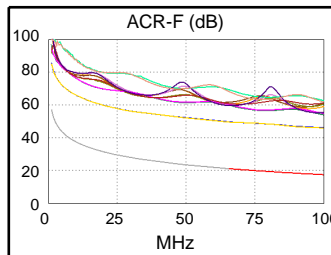


Worst Case Margin Worst Case Value

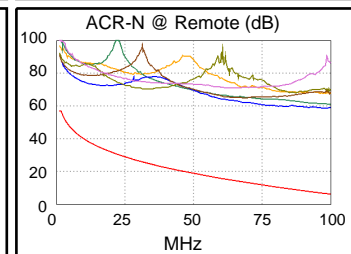
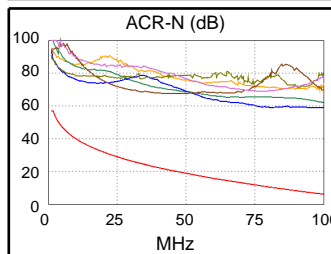
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	28.0	27.5	28.0	29.3
Freq. (MHz)	80.5	5.4	80.5	97.0
Limit (dB)	31.7	51.4	31.7	30.3
Worst Pair	78	36	12	12
<b>PS NEXT (dB)</b>	28.8	28.6	30.8	30.0
Freq. (MHz)	1.6	1.8	98.3	97.0
Limit (dB)	56.9	56.4	27.2	27.3



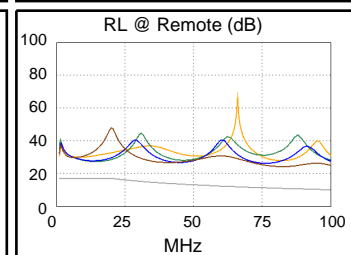
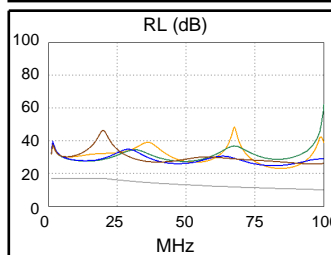
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
<b>ACR-F (dB)</b>	28.2	28.2	28.5	28.5
Freq. (MHz)	25.3	55.8	98.5	98.5
Limit (dB)	29.4	22.5	17.5	17.5
Worst Pair	12	12	12	12
<b>PS ACR-F (dB)</b>	30.4	30.0	30.8	30.8
Freq. (MHz)	1.0	1.1	97.5	99.8
Limit (dB)	54.4	53.4	14.6	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-78	12-78	12-78
<b>ACR-N (dB)</b>	31.0	30.7	51.9	52.1
Freq. (MHz)	1.5	1.9	95.0	97.0
Limit (dB)	57.0	55.8	7.1	6.7
Worst Pair	78	36	12	12
<b>PS ACR-N (dB)</b>	31.6	31.4	53.8	52.8
Freq. (MHz)	1.6	1.8	98.3	97.0
Limit (dB)	53.9	53.4	3.4	3.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	12	78
<b>RL (dB)</b>	10.5	10.2	12.2	13.2
Freq. (MHz)	12.9	13.4	84.0	80.5
Limit (dB)	17.0	17.0	10.8	11.0



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



**Cable ID: 70187-6**

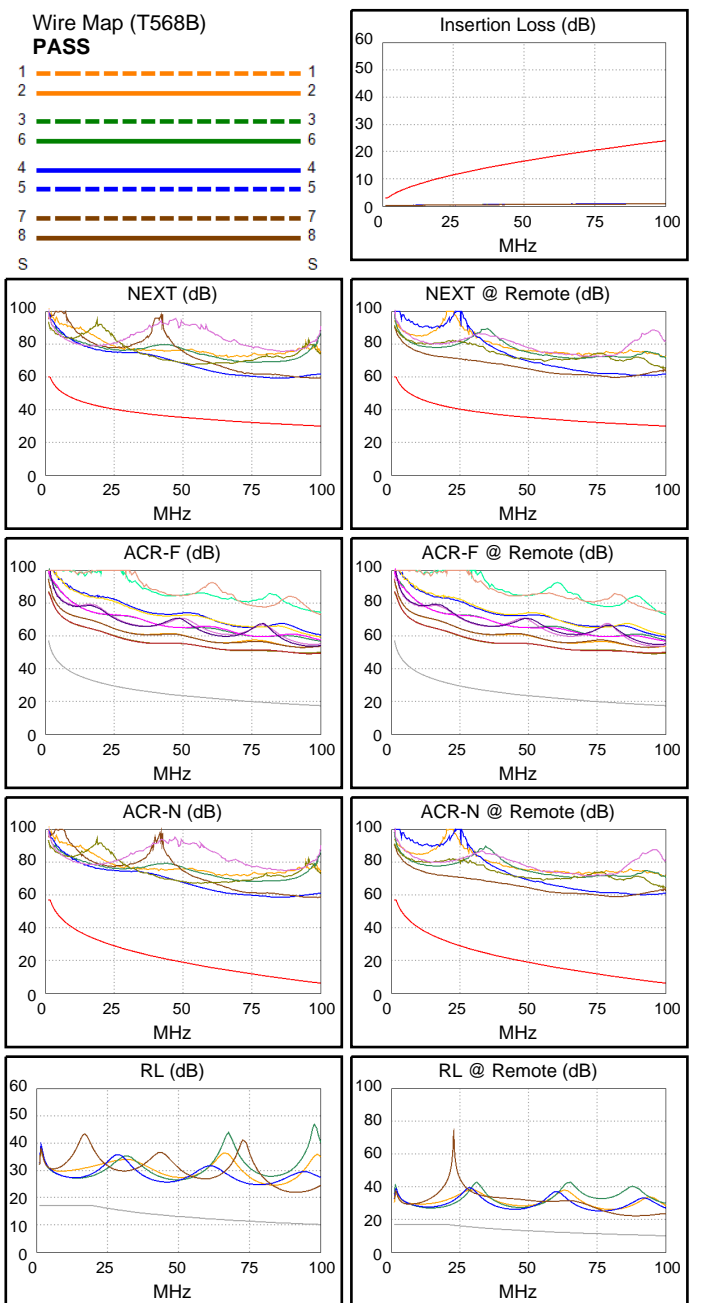
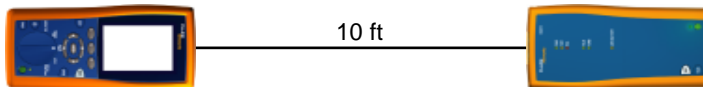
Date / Time: 10/06/2018 02:42:53 PM  
**Headroom 27.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e U/UTP  
 NVP: 69.0%

Operator: KARIM  
 Software Version: 2.7800  
 Limits Version: 1.9500  
 Calibration Date:  
 Main (Tester): 11/01/2016  
 Remote (Tester): 11/01/2016

**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-CHA002  
 Remote Adapter: DTX-CHA002

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.7
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



**Worst Case Margin Worst Case Value**

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	36-45	12-78	36-45
<b>NEXT (dB)</b>	27.8	27.3	27.8	28.0
Freq. (MHz)	82.0	1.9	83.0	81.0
Limit (dB)	31.6	58.9	31.5	31.7
Worst Pair	12	36	12	36
<b>PS NEXT (dB)</b>	30.3	27.8	30.3	30.8
Freq. (MHz)	82.0	1.9	83.0	83.5
Limit (dB)	28.6	55.9	28.5	28.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ACR-F (dB)</b>	29.5	29.5	31.2	31.2
Freq. (MHz)	33.3	33.3	93.8	93.8
Limit (dB)	27.0	27.0	18.0	18.0
Worst Pair	36	36	36	36
<b>PS ACR-F (dB)</b>	31.0	31.1	31.8	32.3
Freq. (MHz)	31.0	31.8	93.8	94.5
Limit (dB)	24.6	24.4	15.0	14.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-45	36-45
<b>ACR-N (dB)</b>	32.4	30.2	51.6	48.7
Freq. (MHz)	1.6	1.9	96.0	81.0
Limit (dB)	56.9	55.8	6.9	10.3
Worst Pair	78	36	12	36
<b>PS ACR-N (dB)</b>	34.0	30.7	51.3	51.8
Freq. (MHz)	1.6	1.9	83.0	83.5
Limit (dB)	53.9	52.8	6.8	6.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	78
<b>RL (dB)</b>	10.1	9.9	11.4	11.6
Freq. (MHz)	14.1	14.0	90.3	89.3
Limit (dB)	17.0	17.0	10.5	10.5

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