



**Cable ID: 69169-1**

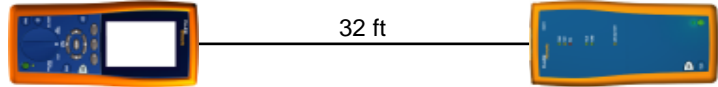
Date / Time: 10/06/2018 06:12:31 PM  
**Headroom 4.5 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6A Perm. Link**  
 Cable Type: Cat 6A F/UTP  
 NVP: 74.0%

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

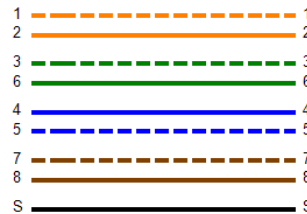
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 45]	32
Prop. Delay (ns), Limit 498	[Pair 12]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 12]	2.6
Insertion Loss Margin (dB)	[Pair 36]	38.7
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

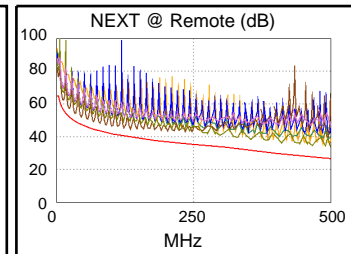
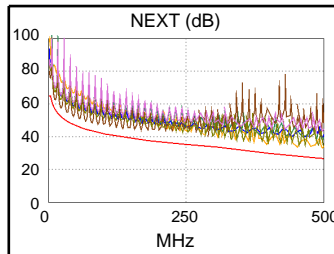


Wire Map (T568B)  
**PASS**

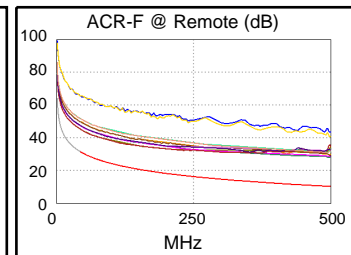
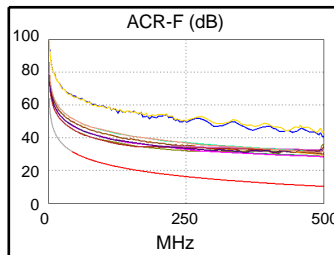


Worst Case Margin Worst Case Value

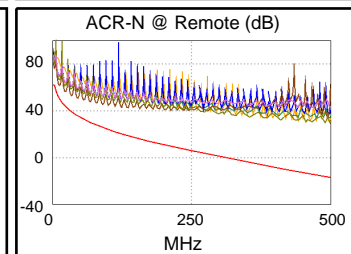
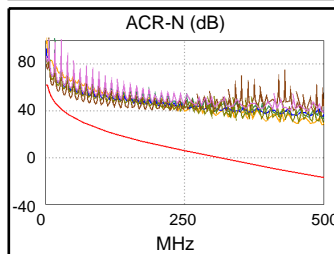
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-78
<b>NEXT (dB)</b>	4.8	4.5	6.4	7.1
Freq. (MHz)	67.0	89.8	497.0	500.0
Limit (dB)	44.7	42.6	26.7	26.7
Worst Pair	36	36	12	36
<b>PS NEXT (dB)</b>	6.0	5.7	7.4	8.5
Freq. (MHz)	66.8	89.5	497.0	498.0
Limit (dB)	42.2	40.1	23.8	23.8



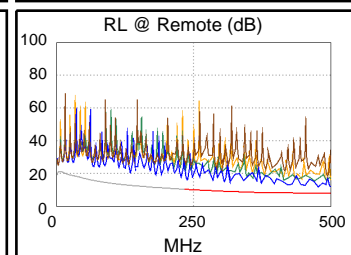
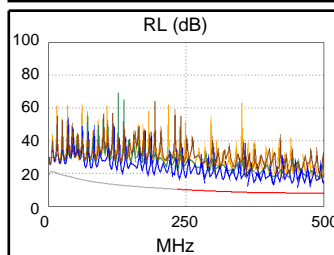
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
<b>ACR-F (dB)</b>	13.4	13.4	18.0	17.7
Freq. (MHz)	3.6	3.6	496.0	495.0
Limit (dB)	53.0	53.0	10.3	10.3
Worst Pair	36	36	45	45
<b>PS ACR-F (dB)</b>	13.4	13.4	17.8	17.9
Freq. (MHz)	3.3	2.4	482.0	493.0
Limit (dB)	51.0	53.7	7.5	7.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-78
<b>ACR-N (dB)</b>	10.9	10.9	45.0	46.2
Freq. (MHz)	10.8	11.0	497.0	500.0
Limit (dB)	51.6	51.4	-16.9	-17.1
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	11.9	11.9	46.1	47.0
Freq. (MHz)	10.8	11.4	499.0	498.0
Limit (dB)	49.3	48.7	-19.9	-19.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	5.1	3.7	5.1	3.7
Freq. (MHz)	408.0	477.0	408.0	477.0
Limit (dB)	8.0	8.0	8.0	8.0



Compliant Network Standards:

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



**Cable ID: 69169-2**

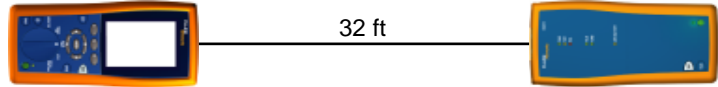
Date / Time: 10/06/2018 06:14:41 PM  
**Headroom 4.9 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6A Perm. Link**  
 Cable Type: Cat 6A F/UTP  
 NVP: 74.0%

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

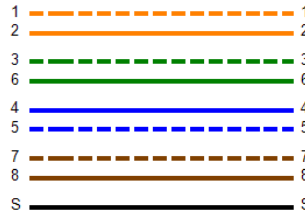
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 45]	32
Prop. Delay (ns), Limit 498	[Pair 12]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.7
Insertion Loss Margin (dB)	[Pair 36]	38.0
Frequency (MHz)	[Pair 36]	489.0
Limit (dB)	[Pair 36]	43.2

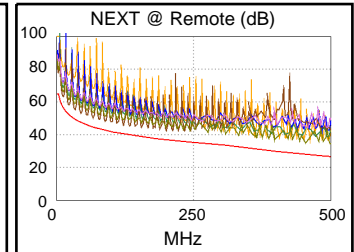
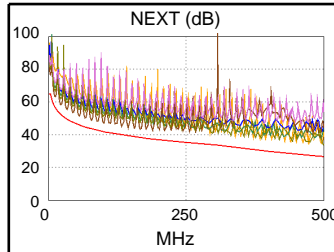


Wire Map (T568B)  
**PASS**

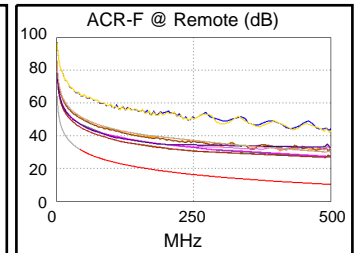
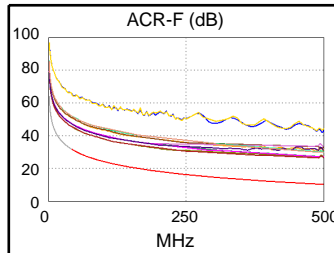


Worst Case Margin Worst Case Value

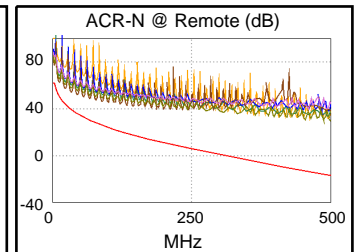
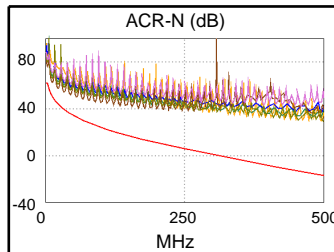
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>NEXT (dB)</b>	4.9	5.3	7.4	7.8
Freq. (MHz)	166.5	111.0	499.0	499.0
Limit (dB)	38.2	41.1	26.7	26.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	5.9	5.9	8.3	9.2
Freq. (MHz)	133.0	111.0	497.0	498.0
Limit (dB)	37.3	38.6	23.8	23.8



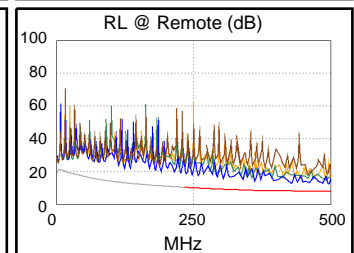
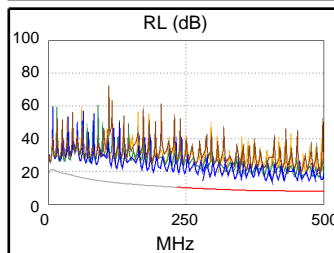
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
<b>ACR-F (dB)</b>	13.5	13.5	15.8	16.0
Freq. (MHz)	9.1	118.0	489.0	489.0
Limit (dB)	45.0	22.8	10.4	10.4
Worst Pair	36	36	45	45
<b>PS ACR-F (dB)</b>	13.5	13.5	15.6	15.4
Freq. (MHz)	2.0	2.8	490.0	489.0
Limit (dB)	55.2	52.4	7.4	7.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>ACR-N (dB)</b>	11.6	11.8	46.5	46.9
Freq. (MHz)	11.0	10.8	499.0	499.0
Limit (dB)	51.4	51.6	-17.0	-17.0
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	12.3	12.3	46.7	47.7
Freq. (MHz)	10.5	10.8	497.0	498.0
Limit (dB)	49.5	49.3	-19.7	-19.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	5.8	4.3	5.8	4.3
Freq. (MHz)	463.0	496.0	463.0	496.0
Limit (dB)	8.0	8.0	8.0	8.0



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



**Cable ID: 69169-3**

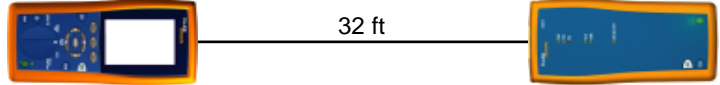
Date / Time: 10/06/2018 06:15:39 PM  
**Headroom 3.3 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6A Perm. Link**  
 Cable Type: Cat 6A F/UTP  
 NVP: 74.0%

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

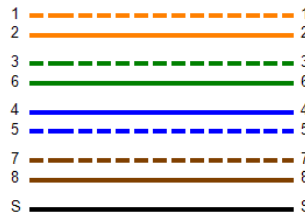
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 45]	32
Prop. Delay (ns), Limit 498	[Pair 12]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.7
Insertion Loss Margin (dB)	[Pair 36]	38.1
Frequency (MHz)	[Pair 36]	491.0
Limit (dB)	[Pair 36]	43.3

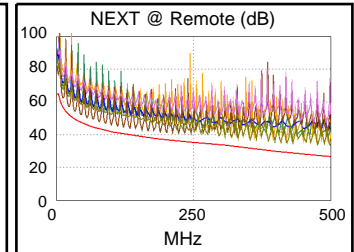
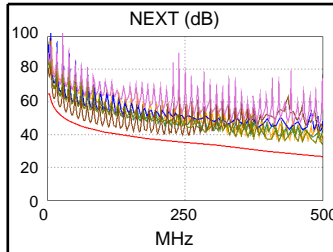


Wire Map (T568B)  
**PASS**

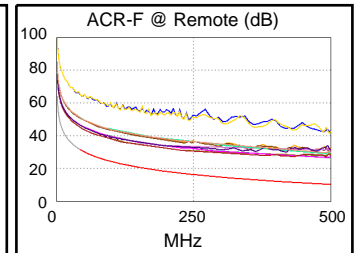
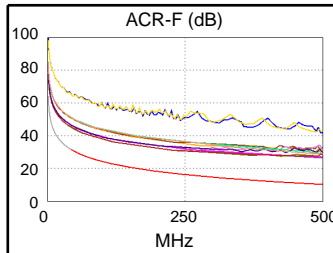


Worst Case Margin Worst Case Value

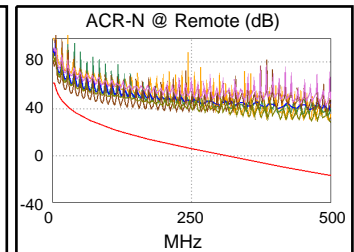
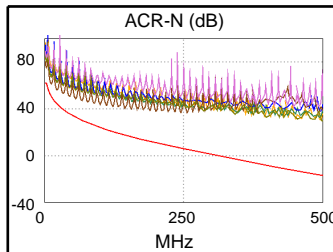
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>NEXT (dB)</b>	3.3	4.1	7.6	6.9
Freq. (MHz)	144.5	99.8	499.0	499.0
Limit (dB)	39.2	41.9	26.7	26.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	5.0	5.7	8.8	8.1
Freq. (MHz)	144.5	99.8	497.0	497.0
Limit (dB)	36.7	39.3	23.8	23.8



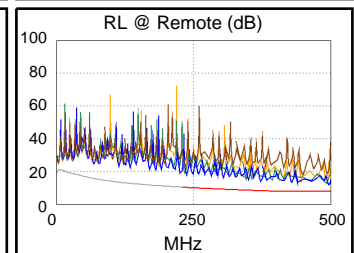
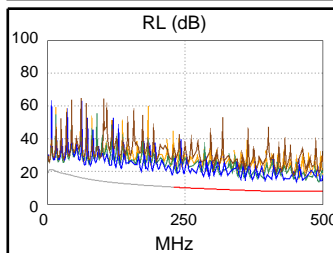
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-45	12-45
<b>ACR-F (dB)</b>	13.3	13.3	16.1	16.1
Freq. (MHz)	56.3	57.0	492.0	485.0
Limit (dB)	29.2	29.1	10.4	10.5
Worst Pair	36	36	45	45
<b>PS ACR-F (dB)</b>	13.2	13.2	15.3	15.4
Freq. (MHz)	2.8	2.4	481.0	479.0
Limit (dB)	52.4	53.7	7.5	7.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>ACR-N (dB)</b>	10.4	10.8	46.7	46.0
Freq. (MHz)	10.8	11.0	499.0	499.0
Limit (dB)	51.6	51.4	-17.0	-17.0
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	11.6	12.0	47.3	46.6
Freq. (MHz)	10.8	10.5	497.0	497.0
Limit (dB)	49.3	49.5	-19.7	-19.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
<b>RL (dB)</b>	5.6	3.9	5.6	3.9
Freq. (MHz)	493.0	496.0	493.0	496.0
Limit (dB)	8.0	8.0	8.0	8.0



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



**Cable ID: 69169-4**

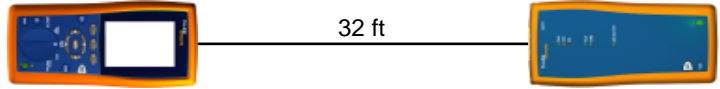
Date / Time: 10/06/2018 06:17:56 PM  
**Headroom 5.1 dB (NEXT 36-78)**  
**Test Limit: TIA Cat 6A Perm. Link**  
 Cable Type: Cat 6A F/UTP  
 NVP: 74.0%

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

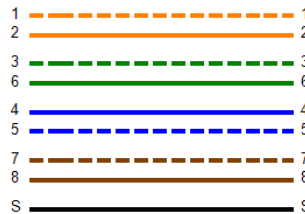
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 45]	32
Prop. Delay (ns), Limit 498	[Pair 12]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 36]	1.6
Insertion Loss Margin (dB)	[Pair 36]	38.7
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	43.8

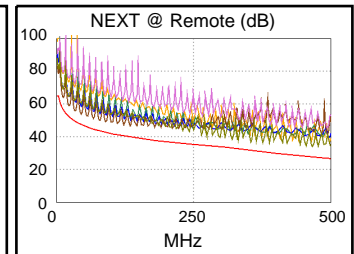
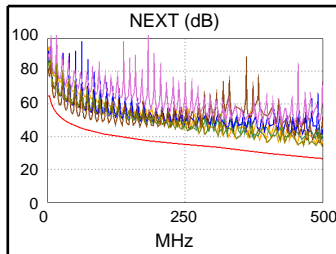


Wire Map (T568B)  
**PASS**

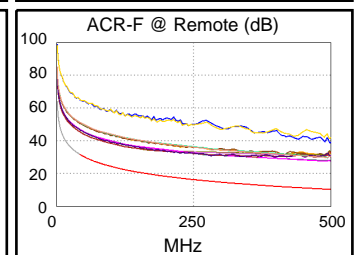
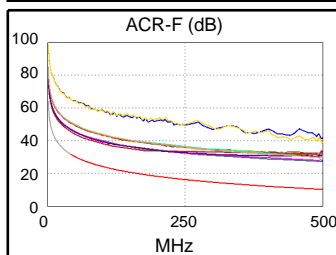


Worst Case Margin Worst Case Value

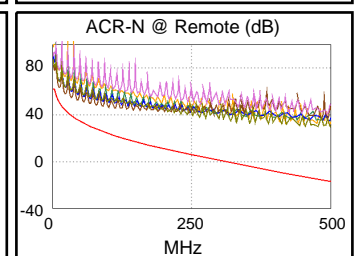
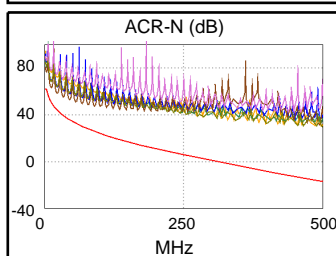
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-78	36-78
<b>NEXT (dB)</b>	6.5	5.1	7.5	6.3
Freq. (MHz)	55.5	297.0	499.0	466.0
Limit (dB)	46.0	34.1	26.7	27.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	6.6	6.4	8.1	7.8
Freq. (MHz)	353.0	297.0	499.0	466.0
Limit (dB)	29.0	31.5	23.8	24.8



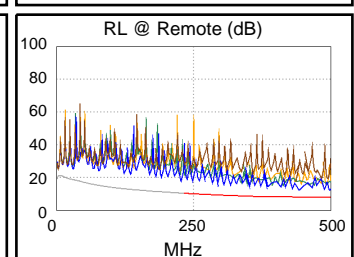
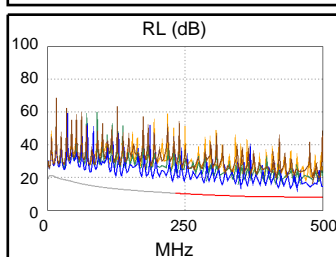
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-45	45-12
<b>ACR-F (dB)</b>	13.5	13.5	17.1	17.1
Freq. (MHz)	3.8	3.8	499.0	491.0
Limit (dB)	52.7	52.7	10.2	10.4
Worst Pair	36	36	45	45
<b>PS ACR-F (dB)</b>	13.4	13.4	16.6	17.0
Freq. (MHz)	3.3	2.0	470.0	480.0
Limit (dB)	51.0	55.2	7.7	7.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>ACR-N (dB)</b>	12.3	12.6	46.6	46.7
Freq. (MHz)	10.4	10.8	499.0	500.0
Limit (dB)	52.0	51.6	-17.0	-17.1
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	13.3	13.6	46.7	44.9
Freq. (MHz)	10.6	10.8	499.0	466.0
Limit (dB)	49.4	49.3	-19.9	-17.2



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	5.4	4.2	5.4	4.2
Freq. (MHz)	441.0	441.0	441.0	441.0
Limit (dB)	8.0	8.0	8.0	8.0



Compliant Network Standards:

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



**Cable ID: 69169-5**

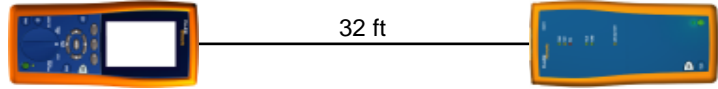
Date / Time: 10/06/2018 06:18:56 PM  
**Headroom 3.6 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6A Perm. Link**  
 Cable Type: Cat 6A F/UTP  
 NVP: 74.0%

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

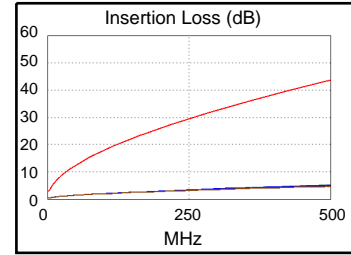
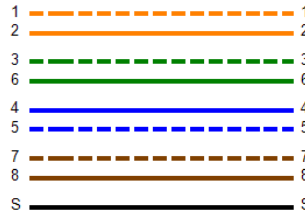
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 45]	32
Prop. Delay (ns), Limit 498	[Pair 12]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.6
Insertion Loss Margin (dB)	[Pair 36]	38.0
Frequency (MHz)	[Pair 36]	489.0
Limit (dB)	[Pair 36]	43.2

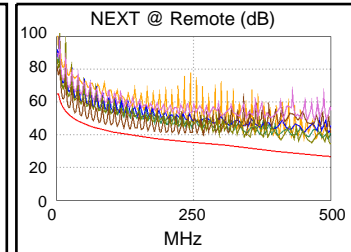
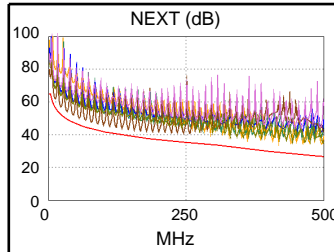


Wire Map (T568B)  
**PASS**

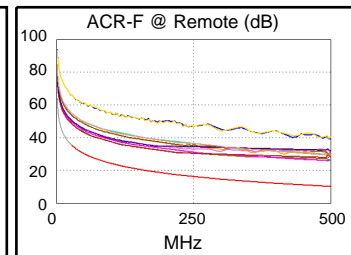
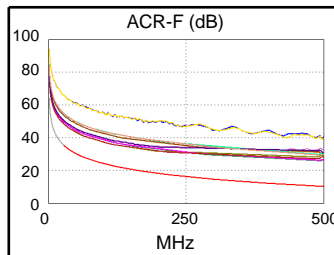


Worst Case Margin Worst Case Value

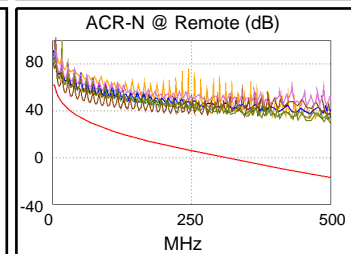
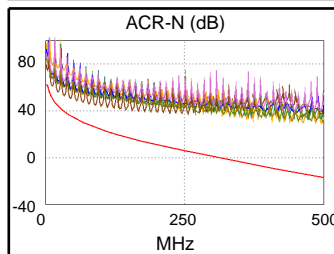
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-78
<b>NEXT (dB)</b>	3.8	3.6	7.6	7.8
Freq. (MHz)	134.0	89.0	496.0	499.0
Limit (dB)	39.8	42.7	26.8	26.7
Worst Pair	36	45	36	36
<b>PS NEXT (dB)</b>	5.4	5.2	8.2	9.5
Freq. (MHz)	144.5	88.8	497.0	498.0
Limit (dB)	36.7	40.2	23.8	23.8



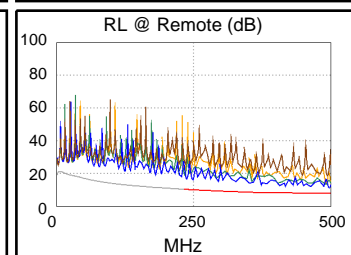
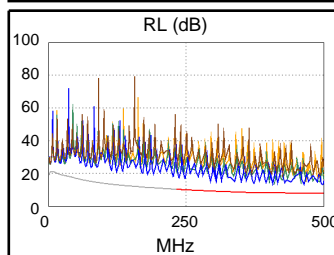
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-45	12-45
<b>ACR-F (dB)</b>	12.7	12.7	15.6	15.4
Freq. (MHz)	3.4	3.4	493.0	482.0
Limit (dB)	53.6	53.6	10.3	10.5
Worst Pair	45	45	45	45
<b>PS ACR-F (dB)</b>	12.6	12.6	15.3	15.1
Freq. (MHz)	1.5	1.6	479.0	480.0
Limit (dB)	57.7	57.0	7.6	7.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-78
<b>ACR-N (dB)</b>	10.2	10.3	46.2	46.9
Freq. (MHz)	11.4	10.8	496.0	499.0
Limit (dB)	51.1	51.6	-16.8	-17.0
Worst Pair	45	45	36	36
<b>PS ACR-N (dB)</b>	11.5	11.6	46.6	48.0
Freq. (MHz)	10.5	10.8	497.0	498.0
Limit (dB)	49.5	49.3	-19.7	-19.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	5.2	3.1	5.2	3.1
Freq. (MHz)	463.0	497.0	463.0	497.0
Limit (dB)	8.0	8.0	8.0	8.0



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



**Cable ID: 69169-6**

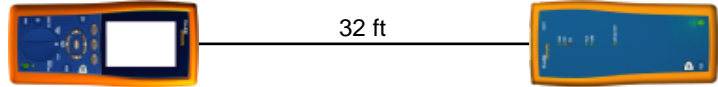
Date / Time: 10/06/2018 06:25:19 PM  
**Headroom 4.7 dB (NEXT 36-78)**  
**Test Limit: TIA Cat 6A Perm. Link**  
 Cable Type: Cat 6A F/UTP  
 NVP: 74.0%

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

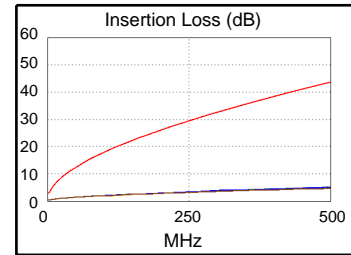
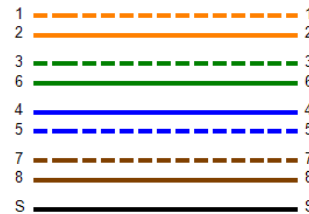
**Test Summary: PASS**

Model: DTX-1800  
 Main S/N: 3178039  
 Remote S/N: 3178046  
 Main Adapter: DTX-PLA002  
 Remote Adapter: DTX-PLA002

Length (ft), Limit 295	[Pair 45]	32
Prop. Delay (ns), Limit 498	[Pair 12]	45
Delay Skew (ns), Limit 44	[Pair 12]	1
Resistance (ohms)	[Pair 45]	1.7
Insertion Loss Margin (dB)	[Pair 36]	38.5
Frequency (MHz)	[Pair 36]	498.0
Limit (dB)	[Pair 36]	43.6

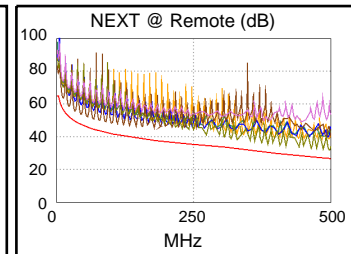
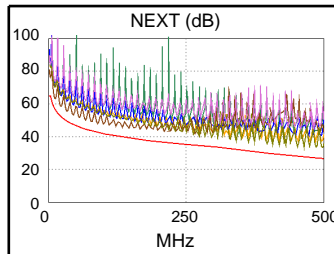


Wire Map (T568B)  
**PASS**

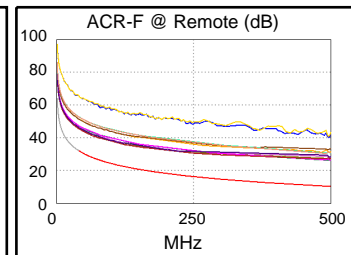
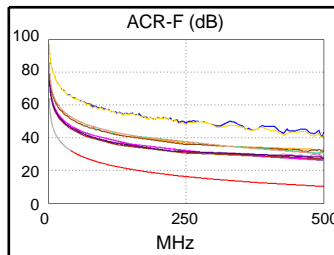


Worst Case Margin Worst Case Value

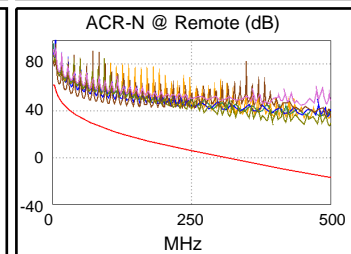
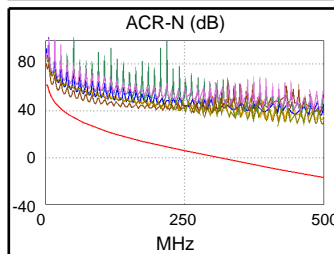
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-78	36-78
<b>NEXT (dB)</b>	5.3	4.7	6.7	5.2
Freq. (MHz)	89.0	452.0	497.0	497.0
Limit (dB)	42.7	28.1	26.7	26.7
Worst Pair	36	36	36	36
<b>PS NEXT (dB)</b>	5.3	6.1	8.1	7.2
Freq. (MHz)	297.0	341.0	497.0	497.0
Limit (dB)	31.5	29.5	23.8	23.8



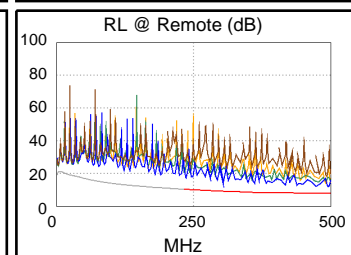
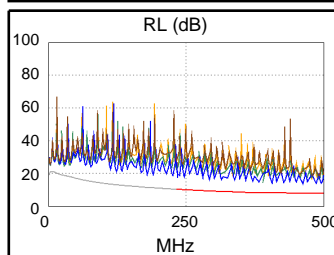
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
<b>ACR-F (dB)</b>	13.1	13.1	15.9	15.9
Freq. (MHz)	3.5	3.5	500.0	500.0
Limit (dB)	53.3	53.3	10.2	10.2
Worst Pair	36	36	45	45
<b>PS ACR-F (dB)</b>	12.9	12.9	15.2	15.2
Freq. (MHz)	2.4	2.0	480.0	479.0
Limit (dB)	53.7	55.2	7.6	7.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	36-78
<b>ACR-N (dB)</b>	11.6	12.0	45.7	44.2
Freq. (MHz)	10.3	11.0	497.0	497.0
Limit (dB)	52.1	51.4	-16.9	-16.9
Worst Pair	36	36	36	36
<b>PS ACR-N (dB)</b>	12.6	13.1	46.6	45.7
Freq. (MHz)	10.5	10.8	497.0	497.0
Limit (dB)	49.5	49.3	-19.7	-19.7



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	5.3	3.4	5.3	3.4
Freq. (MHz)	484.0	485.0	484.0	485.0
Limit (dB)	8.0	8.0	8.0	8.0



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