



Cable ID: K6-CMR-WH-103M-ATI

Test Summary: PASS

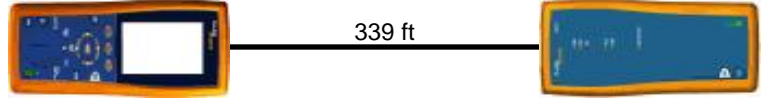
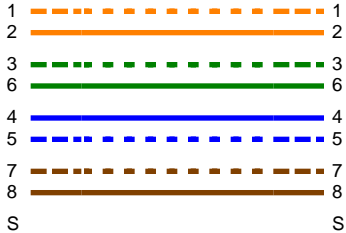
Date / Time: 11/14/2012 03:03:28pm
Headroom: 2.8 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Channel
 Cable Type: Cat 6 UTP

Operator: QM-LAB
 Software Version: 2.4100
 Limits Version: 1.6000
 NVP: 69.0%

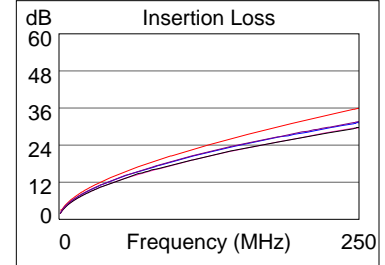
Model: DTX-1800
 Main S/N: 1614541
 Remote S/N: 1614542
 Main Adapter: DTX-CHA002
 Remote Adapter: DTX-CHA002

Wire Map (T568B)

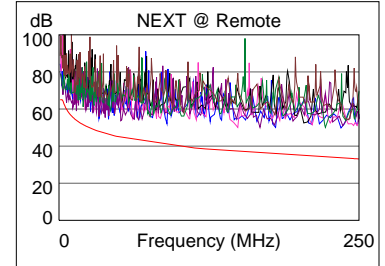
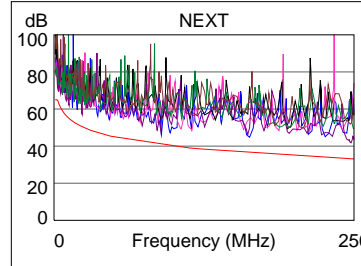
PASS



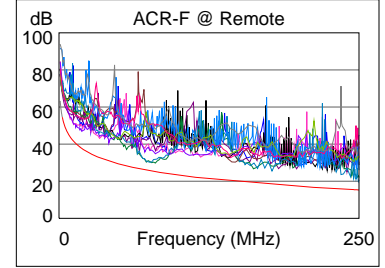
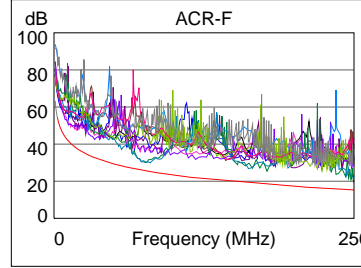
| | | |
|-----------------------------|-----------|-------|
| Length (ft), Limit 328 | [Pair 45] | 339 |
| Prop. Delay (ns), Limit 555 | | 528 |
| Delay Skew (ns), Limit 50 | | 29 |
| Resistance (ohms) | [Pair 78] | 15.9 |
| Insertion Loss Margin (dB) | [Pair 78] | 4.3 |
| Frequency (MHz) | [Pair 78] | 250.0 |
| Limit (dB) | [Pair 78] | 35.9 |



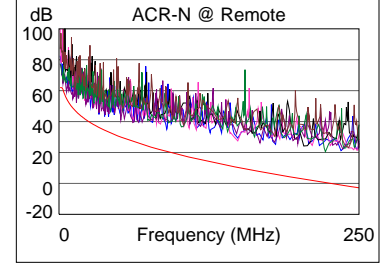
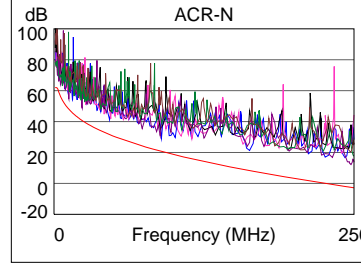
| | Worst Case Margin | | Worst Case Value | |
|---------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 12-36 | 36-45 | 36-45 | 36-45 |
| NEXT (dB) | 5.3 | 2.8 | 8.6 | 12.8 |
| Freq. (MHz) | 89.5 | 7.4 | 247.5 | 168.0 |
| Limit (dB) | 40.7 | 58.7 | 33.2 | 36.1 |
| Worst Pair | 36 | 36 | 12 | 36 |
| PS NEXT (dB) | 5.9 | 3.9 | 9.7 | 16.2 |
| Freq. (MHz) | 4.1 | 3.3 | 213.5 | 235.0 |
| Limit (dB) | 60.3 | 62.0 | 31.4 | 30.6 |



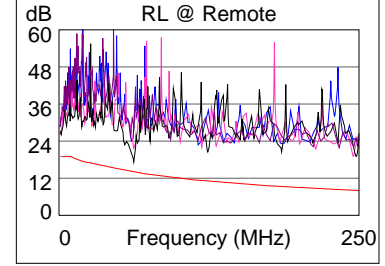
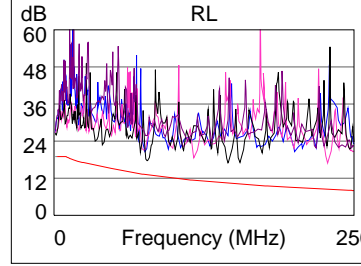
| | Worst Case Margin | | Worst Case Value | |
|----------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 36-45 | 45-36 | 36-45 | 45-36 |
| ACR-F (dB) | 4.1 | 4.1 | 4.5 | 4.6 |
| Freq. (MHz) | 73.8 | 73.8 | 249.5 | 249.5 |
| Limit (dB) | 25.9 | 25.9 | 15.3 | 15.3 |
| Worst Pair | 45 | 45 | 45 | 36 |
| PS ACR-F (dB) | 6.6 | 6.4 | 7.2 | 7.5 |
| Freq. (MHz) | 73.5 | 80.5 | 249.5 | 249.5 |
| Limit (dB) | 22.9 | 22.1 | 12.3 | 12.3 |



| | Worst Case Margin | | Worst Case Value | |
|----------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| N/A | | | | |
| Worst Pair | 36-45 | 36-45 | 36-45 | 36-78 |
| ACR-N (dB) | 6.1 | 3.5 | 14.7 | 20.0 |
| Freq. (MHz) | 4.1 | 7.4 | 247.5 | 222.0 |
| Limit (dB) | 58.7 | 53.3 | -2.5 | 0.5 |
| Worst Pair | 36 | 36 | 45 | 12 |
| PS ACR-N (dB) | 6.5 | 4.4 | 17.2 | 22.5 |
| Freq. (MHz) | 4.1 | 3.3 | 247.5 | 248.5 |
| Limit (dB) | 56.2 | 58.4 | -5.5 | -5.6 |



| | Worst Case Margin | | Worst Case Value | |
|----------------|-------------------|------|------------------|------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 45 | 45 | 36 | 45 |
| RL (dB) | 4.5 | 3.1 | 8.3 | 3.1 |
| Freq. (MHz) | 77.8 | 62.5 | 228.5 | 62.5 |
| Limit (dB) | 13.1 | 14.0 | 8.4 | 14.0 |



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: K6-CMR-WH-84M-ATI

Test Summary: PASS

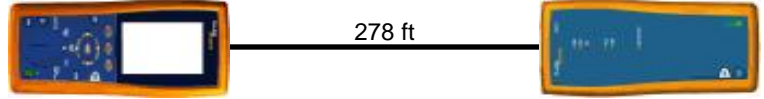
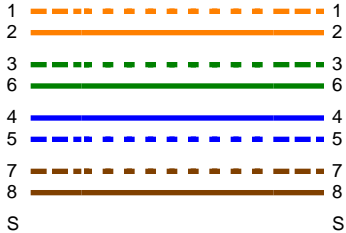
Date / Time: 11/14/2012 03:09:15pm
Headroom: 5.6 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 UTP

Operator: QM-LAB
 Software Version: 2.4100
 Limits Version: 1.6000
 NVP: 69.0%

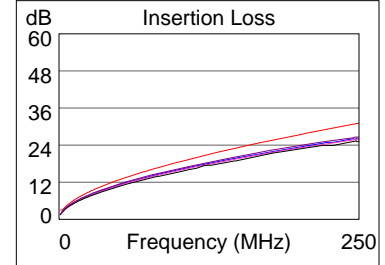
Model: DTX-1800
 Main S/N: 1614541
 Remote S/N: 1614542
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

Wire Map (T568B)

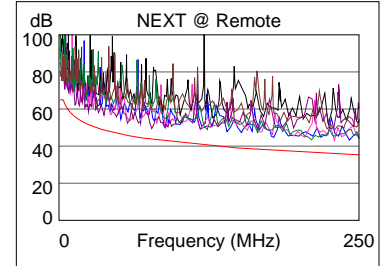
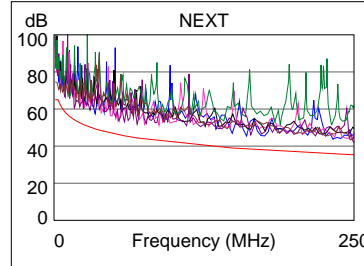
PASS



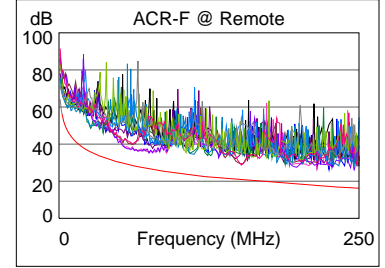
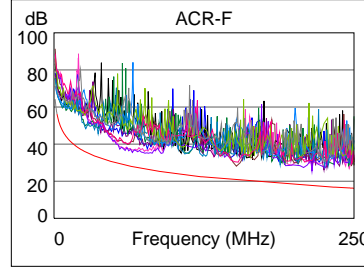
| | | |
|-----------------------------|-----------|-------|
| Length (ft), Limit 295 | [Pair 45] | 278 |
| Prop. Delay (ns), Limit 498 | | 431 |
| Delay Skew (ns), Limit 44 | | 22 |
| Resistance (ohms) | [Pair 78] | 13.0 |
| Insertion Loss Margin (dB) | [Pair 78] | 4.4 |
| Frequency (MHz) | [Pair 78] | 250.0 |
| Limit (dB) | [Pair 78] | 31.1 |



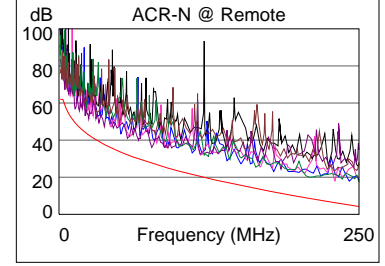
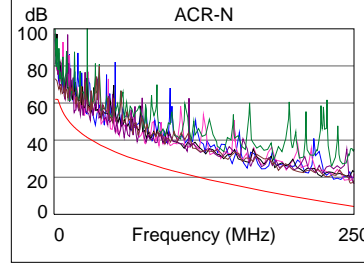
| | Worst Case Margin | | Worst Case Value | |
|---------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 45-78 | 36-45 | 36-45 | 12-45 |
| NEXT (dB) | 5.8 | 5.6 | 6.6 | 6.6 |
| Freq. (MHz) | 4.3 | 77.0 | 250.0 | 230.0 |
| Limit (dB) | 63.7 | 43.7 | 35.3 | 35.9 |
| Worst Pair | 45 | 36 | 45 | 12 |
| PS NEXT (dB) | 6.2 | 6.1 | 6.2 | 7.6 |
| Freq. (MHz) | 249.0 | 87.8 | 249.0 | 230.5 |
| Limit (dB) | 32.7 | 40.2 | 32.7 | 33.3 |



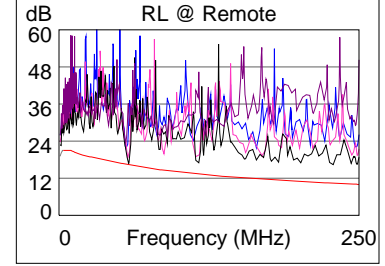
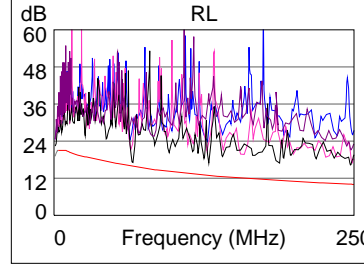
| | Worst Case Margin | | Worst Case Value | |
|----------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 45-12 | 45-12 | 45-12 | 45-12 |
| ACR-F (dB) | 7.4 | 7.6 | 8.0 | 8.9 |
| Freq. (MHz) | 64.8 | 59.3 | 215.0 | 227.0 |
| Limit (dB) | 28.0 | 28.7 | 17.5 | 17.1 |
| Worst Pair | 12 | 36 | 12 | 45 |
| PS ACR-F (dB) | 8.7 | 9.7 | 8.7 | 9.8 |
| Freq. (MHz) | 215.5 | 152.0 | 215.5 | 215.0 |
| Limit (dB) | 14.5 | 17.6 | 14.5 | 14.5 |



| | Worst Case Margin | | Worst Case Value | |
|----------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| N/A | | | | |
| Worst Pair | 45-78 | 36-45 | 36-45 | 36-78 |
| ACR-N (dB) | 6.3 | 7.4 | 12.3 | 13.2 |
| Freq. (MHz) | 4.3 | 16.8 | 250.0 | 250.0 |
| Limit (dB) | 60.0 | 47.1 | 4.2 | 4.2 |
| Worst Pair | 45 | 36 | 45 | 36 |
| PS ACR-N (dB) | 8.2 | 8.6 | 12.1 | 13.4 |
| Freq. (MHz) | 4.3 | 87.8 | 249.0 | 250.0 |
| Limit (dB) | 57.8 | 22.9 | 1.7 | 1.6 |



| | Worst Case Margin | | Worst Case Value | |
|----------------|-------------------|------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 45 | 45 | 45 | 45 |
| RL (dB) | 1.0 | 0.4* | 6.2 | 5.1 |
| Freq. (MHz) | 65.3 | 58.0 | 247.0 | 229.5 |
| Limit (dB) | 15.9 | 16.4 | 10.1 | 10.4 |



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

* Measurement is within the accuracy limits of the instrument.