



Cable ID: MARS W/B

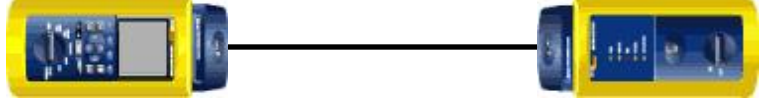
Test Summary: PASS

Date / Time: 01/23/2004 12:03:48pm
Headroom: 1.1 dB (NEXT 45-78)
Test Limit: TIA Cat 6 Channel
 Cable Type: UTP 100 Ohm Cat 6
 Fault Anomaly Threshold: 15%

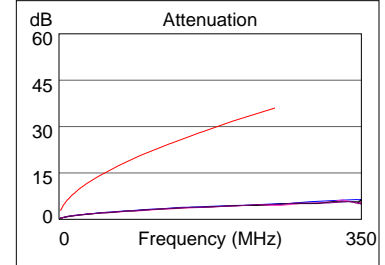
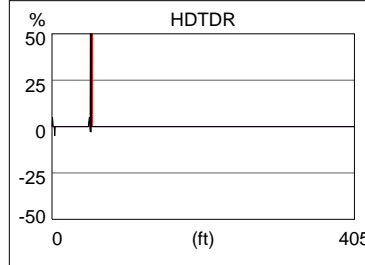
Operator: IAN BLOUNT
 Software Version: 1.906
 Limits Version: 5.12
 NVP: 68.8%
 Shield Test: N/A

Model: DSP-4300
 Main S/N: 8061001
 Remote S/N: 8061001
 Main Adapter: LIA 013
 Remote Adapter: LIA 012

| | |
|-------------|-------------------|
| Wire Map | 1 2 3 4 5 6 7 8 S |
| PASS | |
| | 1 2 3 4 5 6 7 8 |

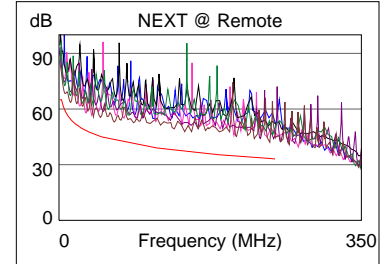
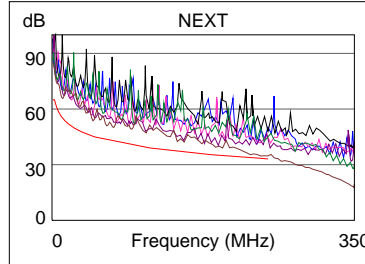


| | | |
|-----------------------------|-----------|-----|
| Length (ft), Limit 328 | [Pair 36] | 51 |
| Prop. Delay (ns), Limit 555 | [Pair 12] | 79 |
| Delay Skew (ns), Limit 50 | [Pair 12] | 3 |
| Resistance (ohms) | | N/A |

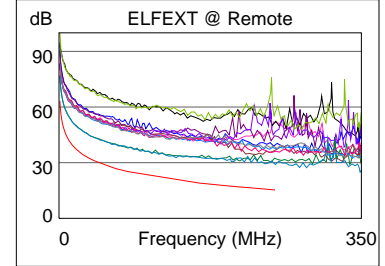
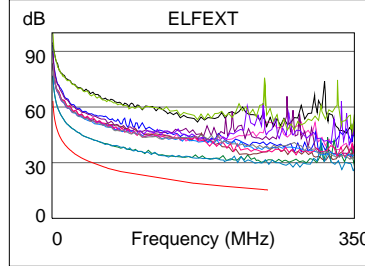


| | | |
|------------------|-----------|-------|
| Attenuation (dB) | [Pair 36] | 31.0 |
| Frequency (MHz) | [Pair 36] | 250.0 |
| Limit (dB) | [Pair 36] | 36.0 |

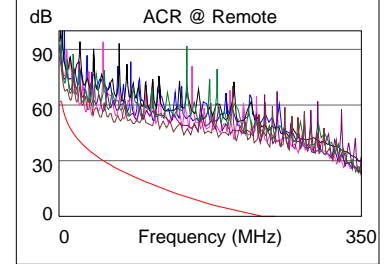
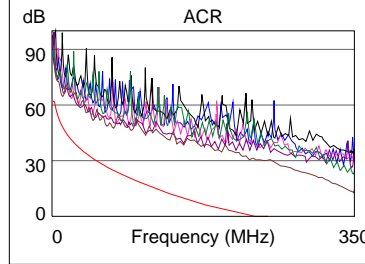
| | Worst Case Margin | | Worst Case Value | |
|--------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 45-78 | 45-78 | 45-78 | 45-78 |
| NEXT (dB) | 1.1* | 8.0 | 1.1 | 8.0 |
| Freq. (MHz) | 242.5 | 243.0 | 242.5 | 243.0 |
| Limit (dB) | 33.4 | 33.4 | 33.4 | 33.4 |
| Worst Pair | 45 | 45 | 45 | 45 |
| PSNEXT (dB) | 2.8* | 9.8 | 3.1 | 10.0 |
| Freq. (MHz) | 230.0 | 6.3 | 244.5 | 242.5 |
| Limit (dB) | 30.8 | 57.3 | 30.3 | 30.3 |



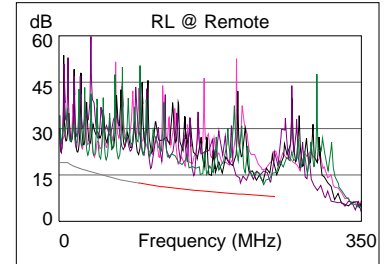
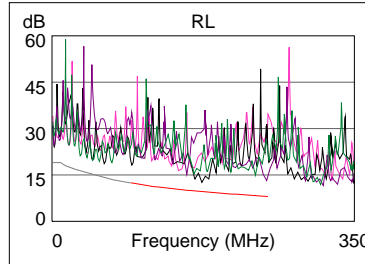
| | Worst Case Margin | | Worst Case Value | |
|----------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 36-45 | 45-36 | 45-36 | 45-36 |
| ELFEXT (dB) | 12.1 | 12.1 | 12.7 | 12.8 |
| Freq. (MHz) | 107.0 | 136.5 | 237.0 | 237.0 |
| Limit (dB) | 22.7 | 20.6 | 15.8 | 15.8 |
| Worst Pair | 45 | 45 | 36 | 45 |
| PSELFEXT (dB) | 14.2 | 14.2 | 15.0 | 15.2 |
| Freq. (MHz) | 107.0 | 17.0 | 237.0 | 236.5 |
| Limit (dB) | 19.7 | 35.7 | 12.8 | 12.8 |



| | Worst Case Margin | | Worst Case Value | |
|-------------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 45-78 | 45-78 | 45-78 | 45-78 |
| ACR (dB) | 16.0 | 13.2 | 31.7 | 38.7 |
| Freq. (MHz) | 11.3 | 6.6 | 242.5 | 243.0 |
| Limit (dB) | 49.1 | 54.5 | -2.0 | -2.1 |
| Worst Pair | 45 | 45 | 45 | 45 |
| PSACR (dB) | 17.0 | 14.0 | 33.9 | 40.6 |
| Freq. (MHz) | 5.1 | 6.3 | 245.0 | 242.5 |
| Limit (dB) | 54.4 | 52.4 | -5.3 | -5.0 |



| | Worst Case Margin | | Worst Case Value | |
|----------------|-------------------|-------|------------------|-------|
| | MAIN | SR | MAIN | SR |
| PASS | | | | |
| Worst Pair | 36 | 45 | 36 | 45 |
| RL (dB) | 2.3 | 3.1 | 2.3 | 3.1 |
| Freq. (MHz) | 175.0 | 211.0 | 175.0 | 211.0 |
| Limit (dB) | 9.5 | 8.8 | 9.5 | 8.8 |



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

* Measurement is within the accuracy limits of the instrument.