March 6, 2012

Schneider Electric India Pvt Ltd
Plot L-3 Verna Industrial Estate
Verna Plateau Verna
GOA 403722
India

TEST:

Initial qualification testing of telecommunication patch cords to the requirements of ISO/IEC 11801 for Category 5e patch cords.

STANDARD USED:

ISO/IEC 11801 Amendment 2 Information Technology - Generic cabling for customer premises, Second edition dated April 2010

SECTIONS:

13: Balanced Cords

AUTHORIZATION:

The project was authorized by Mr. Ajit Gaonkar, representing the client, Schneider Electric India Pvt Ltd, with signed quotation number 500353856.

SAMPLES DESCRIPTION:

The client supplied five (5) samples of 1 meter length patch cords identified with part number, ACTPC5EUBCM10GY and five (5) samples of 5 meters length patch cords identified with part number, ACTPC5EUBCM50GY. The samples were received on February 21, 2012 and were in good condition.

EQUIPMENT LIST:

The following equipment was employed in conducting the tests.

<table>
<thead>
<tr>
<th>Equipment used</th>
<th>Model number</th>
<th>Control number</th>
<th>Calibration date</th>
<th>Calibration due date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluke Networks field tester</td>
<td>DTX-1800</td>
<td>N1134</td>
<td>12/5/2011</td>
<td>12/5/2012</td>
</tr>
</tbody>
</table>

DATE OF TEST:

March 6, 2012

TEST REPORT REVISION HISTORY:

First Issue: March 6, 2012 Original Document
RESULTS: See appendix A for the test results.

CONCLUSION:

The telecommunication patch cords, as previously described and supplied by the client, were tested in accordance with the standard referred to on page 1, and did comply with the indicated applicable transmission requirements. The testing was performed at Intertek located in Cortland, New York.

The procedures and requirements were taken from the standard referred to on page 1.

Reviewed and Approved By:

Antoine Pelletier
Engineer
Global Cabling Products Testing

John Cash
Technician
Global Cabling Products Testing
Appendix A
Test results

This appendix contains 10 pages.
**Test Summary:** PASS

**Date / Time:** 03/06/2012 04:36:01 am

**Headroom:** 4.1 dB (NEXT 36-45)

**Test Limit:** ISO Patch Cord Cat5e 1.0m

**Cable Type:** Cat 5e UTP

**Operator:** Your Name

**Software Version:** 2.5200

**Limits Version:** 1.7000

**NVP:** 69.0%

**Model:** DTX-1800

**Main S/N:** 9385159

**Remote S/N:** 9385160

**Main Adapter:** DTX-PCU6M

**Remote Adapter:** DTX-PCU6R

**Wire Map (T568B):**

**PASS**

- Length (ft) [Pair 12] = 3 ft
- Prop. Delay (ns) [Pair 12] = 5 ns
- Delay Skew (ns) [Pair 12] = 0 ns
- Resistance (ohms) [Pair 78] = 0.2 ohms

**Worst Case Margin**

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>36-45</td>
<td></td>
<td>36-45</td>
<td></td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>4.1</td>
<td></td>
<td>4.2</td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>77.3</td>
<td></td>
<td>84.0</td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>42.1</td>
<td></td>
<td>41.4</td>
<td></td>
</tr>
</tbody>
</table>

**RL (dB):**

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>12</td>
<td></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>RL (dB)</td>
<td>5.1</td>
<td></td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>85.8</td>
<td></td>
<td>89.8</td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>18.7</td>
<td></td>
<td>18.5</td>
<td></td>
</tr>
</tbody>
</table>
**Cable ID:** 100617442CRT-001B-2

**Date / Time:** 03/06/2012 04:37:28am

**Headroom:** 6.3 dB (NEXT 36-45)

**Test Limit:** ISO Patch Cord Cat5e 1.0m

**Cable Type:** Cat 5e UTP

---

**Test Summary:** PASS

**Operator:** Your Name

**Software Version:** 2.5200

**Limits Version:** 1.7000

**NVP:** 69.0%

**Model:** DTX-1800

**Main S/N:** 9385159

**Remote S/N:** 9385160

**Main Adapter:** DTX-PCU6M

**Remote Adapter:** DTX-PCU6R

---

**Wire Map (T568B):**

**PASS**

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Length (ft) [Pair 12]:** 3

**Prop. Delay (ns) [Pair 12]:** 5

**Delay Skew (ns) [Pair 12]:** 0

**Resistance (ohms) [Pair 45]:** 0.3

---

**Worst Case Margin** | **Worst Case Value**
--- | ---
**PASS** | **MAIN** | **SR** | **MAIN** | **SR**
| **Worst Pair** | 36-45 | 36-45 | | |
| **NEXT (dB)** | 6.3 | 6.6 | | |
| **Freq. (MHz)** | 68.0 | 76.0 | | |
| **Limit (dB)** | 43.2 | 42.2 | | |

---

**Worst Case Margin** | **Worst Case Value**
--- | ---
**PASS** | **MAIN** | **SR** | **MAIN** | **SR**
| **Worst Pair** | 36 | 12 | | |
| **RL (dB)** | 5.4 | 6.7 | | |
| **Freq. (MHz)** | 63.5 | 99.5 | | |
| **Limit (dB)** | 20.0 | 18.0 | | |
Cable ID: 100617442CRT-001B-3

Test Summary: PASS

Date / Time: 03/06/2012 04:39:36am
Headroom: 5.9 dB (NEXT 12-45)
Test Limit: ISO Patch Cord Cat5e 1.0m
Cable Type: Cat 5e UTP

Operator: Your Name
Software Version: 2.5200
Limits Version: 1.7000
NVP: 69.0%

Model: DTX-1800
Main S/N: 9385159
Remote S/N: 9385160
Main Adapter: DTX-PCU6M
Remote Adapter: DTX-PCU6R

Wire Map (T568B)
PASS

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>S</td>
</tr>
</tbody>
</table>

Worst Case Margin  | Worst Case Value
--- | --- | --- | --- |
PASS | MAIN | SR | MAIN | SR |
Worst Pair | 12-45 | 12-45 |
NEXT (dB) | 5.9 | 6.2 |
Freq. (MHz) | 80.3 | 92.3 |
Limit (dB) | 41.8 | 40.6 |

Worst Case Margin  | Worst Case Value
--- | --- | --- | --- |
PASS | MAIN | SR | MAIN | SR |
Worst Pair | 45 | 45 |
RL (dB) | 4.2 | 4.3 |
Freq. (MHz) | 78.3 | 89.3 |
Limit (dB) | 19.1 | 18.5 |
Test Summary: PASS

Date / Time: 03/06/2012 04:55:21am
Headroom: 3.2 dB (NEXT 36-45)
Test Limit: ISO Patch Cord Cat5e 1.0m
Cable Type: Cat 5e UTP

Operator: Your Name
Software Version: 2.5200
Limits Version: 1.7000
NVP: 69.0%
Model: DTX-1800
Main S/N: 9385159
Remote S/N: 9385160
Main Adapter: DTX-PCU6M
Remote Adapter: DTX-PCU6R

Wire Map (T568B)
PASS

1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
S S

Length (ft) [Pair 12] 3
Prop. Delay (ns) [Pair 12] 5
Delay Skew (ns) [Pair 12] 0
Resistance (ohms) [Pair 12] 0.2

Worst Case Margin
Worst Case Value

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PASS</td>
<td>36-45</td>
<td></td>
<td>36-45</td>
<td></td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>3.2</td>
<td>3.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>77.5</td>
<td>86.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>42.1</td>
<td>41.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PASS</td>
<td>36</td>
<td>78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL (dB)</td>
<td>5.7</td>
<td>8.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>25.3</td>
<td>100.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>24.0</td>
<td>18.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Project:** DEFAULT
**Site:** Client Name

Fluke Cable Test Management Software

LinkWare Version 6.2
**Test Summary:** PASS

**Cable ID:** 100617442CRT-001B-5  
**Date / Time:** 03/06/2012 05:04:22am  
**Headroom:** 9.5 dB (NEXT 12-45)  
**Test Limit:** ISO Patch Cord Cat5e 1.0m  
**Cable Type:** Cat 5e UTP

**Operator:** Your Name  
**Software Version:** 2.5200  
**Limits Version:** 1.7000  
**NVP:** 69.0%  
**Model:** DTX-1800  
**Main S/N:** 9385159  
**Remote S/N:** 9385160  
**Main Adapter:** DTX-PCU6M  
**Remote Adapter:** DTX-PCU6R

### Wire Map (T568B)

**PASS**

- **1:** Orange  
- **2:** Orange  
- **3:** Green  
- **4:** Blue  
- **5:** Brown  
- **6:** Green  
- **7:** Brown  
- **8:** Blue

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Prop. Delay (ns)</th>
<th>Delay Skew (ns)</th>
<th>Resistance (ohms)</th>
</tr>
</thead>
</table>

### Worst Case Margin

<table>
<thead>
<tr>
<th>Pass</th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>12-45</td>
<td>12-45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>9.5</td>
<td>9.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>77.5</td>
<td>85.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>42.1</td>
<td>41.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Worst Case Value

<table>
<thead>
<tr>
<th>Pass</th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>45</td>
<td>45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL (dB)</td>
<td>5.1</td>
<td>5.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>86.0</td>
<td>95.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>18.7</td>
<td>18.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Project:** DEFAULT  
**Site:** Client Name  
**FLUKE networks**  
**LinkWare Version 6.2**
**Cable ID:** 100617442CRT-001B-6  
**Test Summary:** PASS

**Date / Time:** 03/06/2012 05:07:17am  
**Headroom:** 6.5 dB (NEXT 36-45)  
**Test Limit:** ISO Patch Cord Cat5e 5.0m  
**Cable Type:** Cat 5e UTP

**Operator:** Your Name  
**Software Version:** 2.5200  
**Limits Version:** 1.7000  
**NVP:** 69.0%

**Model:** DTX-1800  
**Main S/N:** 9385159  
**Remote S/N:** 9385160  
**Main Adapter:** DTX-PCU6M  
**Remote Adapter:** DTX-PCU6R

---

**Wire Map (T568B)**

PASS

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Worst Case Margin**

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>36-45</td>
<td>36-45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>6.5</td>
<td>6.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>72.0</td>
<td>73.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>40.0</td>
<td>39.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Worst Case Value**

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>45</td>
<td>45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL (dB)</td>
<td>0.2*</td>
<td>0.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>72.8</td>
<td>73.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>19.4</td>
<td>19.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Measurement is within the accuracy limits of the instrument.
Cable ID: 100617442CRT-001B-7

Test Summary: PASS

Date / Time: 03/06/2012 05:08:39am
Headroom: 7.0 dB (NEXT 36-45)
Test Limit: ISO Patch Cord Cat5e 5.0m
Cable Type: Cat 5e UTP

Operator: Your Name
Software Version: 2.5200
Limits Version: 1.7000
NVP: 69.0%

Model: DTX-1800
Main S/N: 9385159
Remote S/N: 9385160
Main Adapter: DTX-PCU6M
Remote Adapter: DTX-PCU6R

LinkWare Version: 6.2

Wire Map (T568B)
PASST568B

1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8

S S

Length (ft) [Pair 12] 16
Prop. Delay (ns) [Pair 36] 25
Delay Skew (ns) [Pair 36] 1
Resistance (ohms) [Pair 12] 1.6

Worst Case Margin Worst Case Value

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PASS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Worst Pair</td>
<td>36-45</td>
<td></td>
<td>36-45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>7.0</td>
<td>7.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>92.8</td>
<td>93.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>38.0</td>
<td>37.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Worst Pair 36-45 SR 78
RL (dB) 3.3 6.3
Freq. (MHz) 9.0 90.0
Limit (dB) 22.7 18.5
**Cable ID:** 100617442CRT-001B-8

**Test Summary:** PASS

- **Date / Time:** 03/06/2012 05:11:14am
- **Headroom:** 7.2 dB (NEXT 12-78)
- **Test Limit:** ISO Patch Cord Cat5e 5.0m
- **Cable Type:** Cat 5e UTP

**Operator:** Your Name

**Software Version:** 2.5200

**Limits Version:** 1.7000

**NVP:** 69.0%

**Model:** DTX-1800

**Main S/N:** 9385159

**Remote S/N:** 9385160

**Main Adapter:** DTX-PCU6M

**Remote Adapter:** DTX-PCU6R

**Wire Map (T568B):** PASS

- Length (ft) [Pair 78]: 16
- Prop. Delay (ns) [Pair 36]: 25
- Delay Skew (ns) [Pair 36]: 2
- Resistance (ohms) [Pair 78]: 1.0

**Worst Case Margin**

<table>
<thead>
<tr>
<th>Pass</th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>12-78</td>
<td>36-45</td>
<td>8.2</td>
<td>94.8</td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>7.2</td>
<td>8.2</td>
<td>38.9</td>
<td>37.8</td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>83.3</td>
<td>94.8</td>
<td>38.9</td>
<td>37.8</td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>83.3</td>
<td>94.8</td>
<td>38.9</td>
<td>37.8</td>
</tr>
</tbody>
</table>

**Worst Case Value**

<table>
<thead>
<tr>
<th>Pass</th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>78</td>
<td>78</td>
<td>78</td>
<td>78</td>
</tr>
<tr>
<td>RL (dB)</td>
<td>2.1</td>
<td>2.9</td>
<td>37.5</td>
<td>98.3</td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>37.5</td>
<td>98.3</td>
<td>22.3</td>
<td>18.1</td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>22.3</td>
<td>18.1</td>
<td>37.5</td>
<td>98.3</td>
</tr>
</tbody>
</table>

**LinkWare Version:** 6.2
Cable ID: 100617442CRT-001B-9

Test Summary: PASS

Date / Time: 03/06/2012 05:13:14am
Headroom: 7.4 dB (NEXT 36-45)
Test Limit: ISO Patch Cord Cat5e 5.0m
Cable Type: Cat 5e UTP

Operator: Your Name
Software Version: 2.5200
Limits Version: 1.7000
NVP: 69.0%

Model: DTX-1800
Main S/N: 9385159
Remote S/N: 9385160
Main Adapter: DTX-PCU6M
Remote Adapter: DTX-PCU6R

Wire Map (T568B)
PASS

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Length (ft) [Pair 12] 16
Prop. Delay (ns) [Pair 36] 25
Delay Skew (ns) [Pair 36] 1
Resistance (ohms) [Pair 45] 0.9

Worst Case Margin

<table>
<thead>
<tr>
<th></th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>36-45</td>
<td>36-45</td>
</tr>
</tbody>
</table>

NEXT (dB)
Freq. (MHz) 74.0 93.8
Limit (dB) 39.8 37.9

RL (dB)
Freq. (MHz) 7.8 71.3
Limit (dB) 22.5 19.5
Cable ID: 100617442CRT-001B-10

Date / Time: 03/06/2012 05:16:21am
Headroom: 3.1 dB (NEXT 36-45)
Test Limit: ISO Patch Cord Cat5e 5.0m
Cable Type: Cat 5e UTP

Test Summary: PASS

Operator: Your Name
Software Version: 2.5200
Limits Version: 1.7000
NVP: 69.0%
Model: DTX-1800
Main S/N: 9385160
Remote S/N: 9385160
Main Adapter: DTX-PCU6M
Remote Adapter: DTX-PCU6R

Wire Map (T568B)

PASS

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Length (ft) [Pair 78] 16
Prop. Delay (ns) [Pair 36] 25
Delay Skew (ns) [Pair 36] 2
Resistance (ohms) [Pair 12] 2.4

Worst Case Margin Worst Case Value

<table>
<thead>
<tr>
<th>Pass</th>
<th>MAIN</th>
<th>SR</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>36-45</td>
<td>36-45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEXT (dB)</td>
<td>3.1</td>
<td>3.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>58.3</td>
<td>97.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>41.7</td>
<td>37.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pass</th>
<th>MAIN</th>
<th>SR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worst Pair</td>
<td>36</td>
<td>78</td>
</tr>
<tr>
<td>RL (dB)</td>
<td>2.5</td>
<td>4.6</td>
</tr>
<tr>
<td>Freq. (MHz)</td>
<td>9.6</td>
<td>91.8</td>
</tr>
<tr>
<td>Limit (dB)</td>
<td>22.8</td>
<td>18.4</td>
</tr>
</tbody>
</table>