



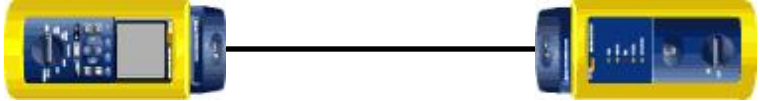
## Cable ID: R021-DS3

**Test Summary: PASS**

Date / Time: 08/11/2007 01:42:28pm  
**Headroom: 6.7 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: UTP 100 Ohm Cat 5e  
 Fault Anomaly Threshold: 15%

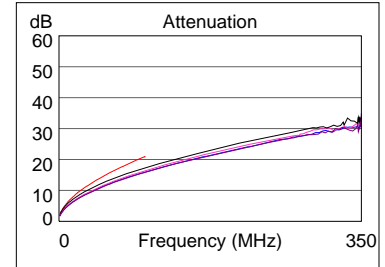
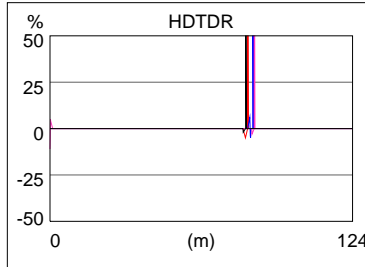
Operator: DAVE BERGER  
 Software Version: 1.925  
 Limits Version: 5.17  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8172028  
 Remote S/N: 8172028  
 Main Adapter: PM- 006  
 Remote Adapter: LIA 101

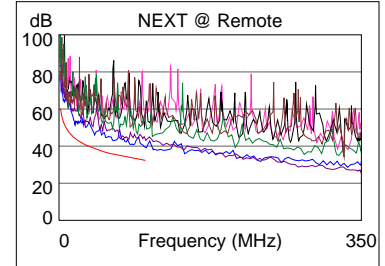
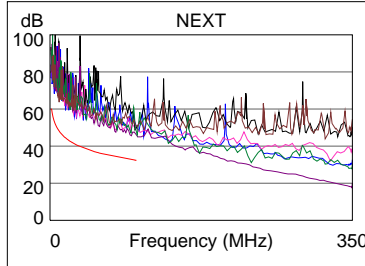


Wire Map	1 2 3 4 5 6 7 8 S
<b>PASS</b>	
	1 2 3 4 5 6 7 8

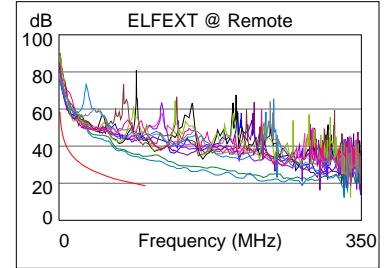
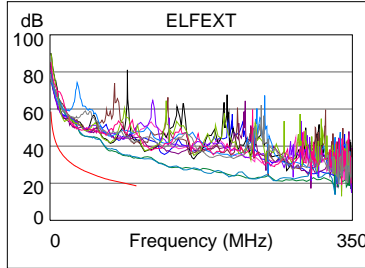
Length (m), Limit 90.0	[Pair 78]	78.2
Prop. Delay (ns), Limit 498	[Pair 45]	395
Delay Skew (ns), Limit 44	[Pair 45]	17
Resistance (ohms)		N/A
Attenuation Margin (dB)	[Pair 45]	3.7
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0



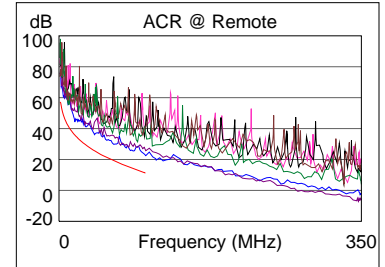
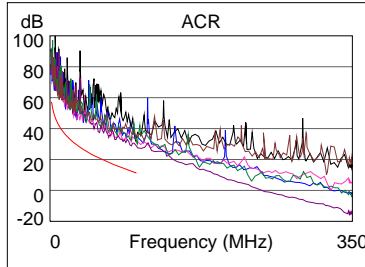
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
<b>NEXT (dB)</b>	12.4	6.7	12.4	6.9
Freq. (MHz)	93.8	18.4	93.8	100.0
Limit (dB)	32.8	44.3	32.8	32.3
Worst Pair	36	36	36	36
<b>PSNEXT (dB)</b>	13.0	8.2	13.0	8.4
Freq. (MHz)	93.6	62.4	93.6	100.0
Limit (dB)	29.8	32.7	29.8	29.3



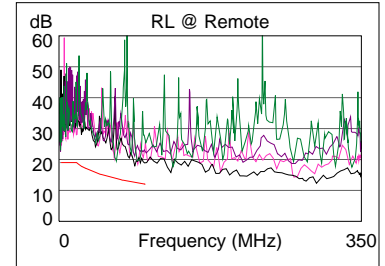
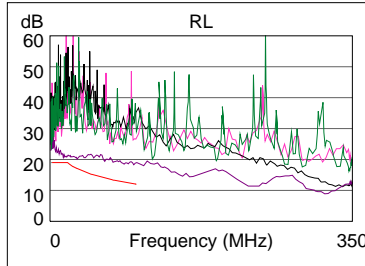
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ELFEXT (dB)</b>	14.6	14.4	14.8	14.6
Freq. (MHz)	97.2	95.8	99.2	100.0
Limit (dB)	18.9	19.0	18.7	18.6
Worst Pair	45	45	45	45
<b>PSELFEXT (dB)</b>	16.9	16.2	16.9	17.3
Freq. (MHz)	97.4	1.0	97.4	100.0
Limit (dB)	15.8	55.6	15.8	15.6



	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
<b>ACR (dB)</b>	15.6	8.3	15.9	11.5
Freq. (MHz)	2.4	18.4	93.8	100.0
Limit (dB)	55.3	35.8	12.5	11.3
Worst Pair	45	36	45	36
<b>PSACR (dB)</b>	16.2	10.5	16.7	13.0
Freq. (MHz)	76.2	18.4	93.8	100.0
Limit (dB)	13.2	32.8	9.5	8.3



	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	36
<b>RL (dB)</b>	1.7	5.3	5.4	5.3
Freq. (MHz)	19.2	88.2	86.6	88.2
Limit (dB)	19.0	12.6	12.6	12.6



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: R020-DS1

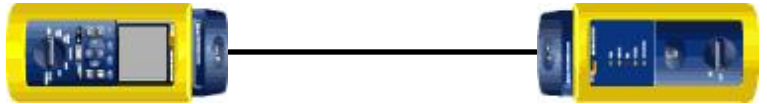
### Test Summary: FAIL

Date / Time: 08/11/2007 02:07:14pm  
**Headroom: 9.0 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 5e Perm. Link**  
 Cable Type: UTP 100 Ohm Cat 5e  
 Fault Anomaly Threshold: 15%

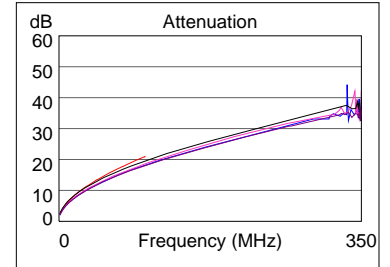
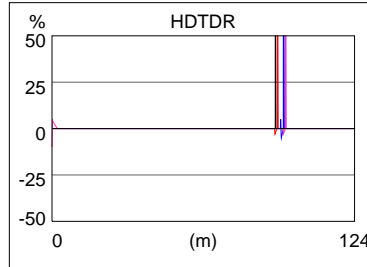
Operator: NETCOM 92  
 Software Version: 1.925  
 Limits Version: 5.17  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8172028  
 Remote S/N: 8172028  
 Main Adapter: PM- 006  
 Remote Adapter: LIA 101

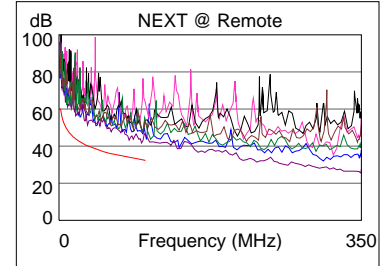
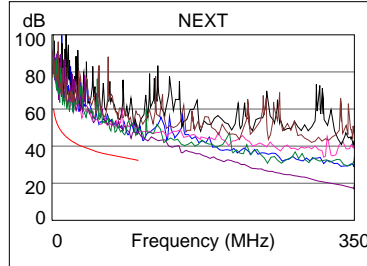
Wire Map	1 2 3 4 5 6 7 8 S
<b>PASS</b>	
	1 2 3 4 5 6 7 8



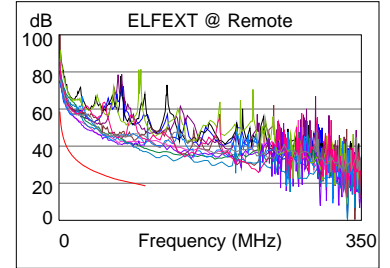
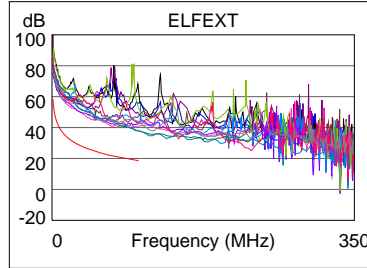
Length (m), Limit 90.0	[Pair 78]	89.6
Prop. Delay (ns), Limit 498	[Pair 45]	453
Delay Skew (ns), Limit 44	[Pair 45]	20
Resistance (ohms)		N/A
Attenuation Margin (dB)	[Pair 45]	<b>-0.4 F</b>
Frequency (MHz)	[Pair 45]	3.8
Limit (dB)	[Pair 45]	3.7



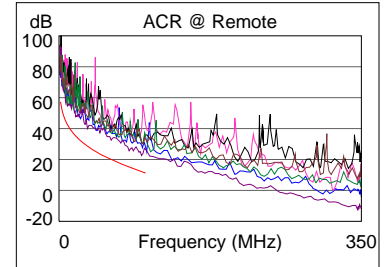
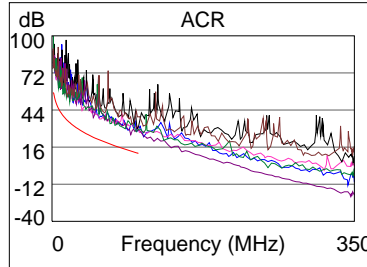
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	11.1	9.0	11.1	9.0
Freq. (MHz)	91.4	95.6	91.4	95.6
Limit (dB)	33.0	32.7	33.0	32.7
Worst Pair	36	36	36	36
<b>PSNEXT (dB)</b>	12.5	10.3	12.5	10.3
Freq. (MHz)	97.8	96.4	97.8	96.4
Limit (dB)	29.5	29.6	29.5	29.6



<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	78-45	45-78	45-36	45-36
<b>ELFEXT (dB)</b>	15.0	14.8	19.1	18.2
Freq. (MHz)	1.0	1.0	99.8	99.8
Limit (dB)	58.6	58.6	18.6	18.6
Worst Pair	45	45	45	45
<b>PSELFEXT (dB)</b>	16.4	16.1	19.6	18.6
Freq. (MHz)	1.0	1.0	98.8	98.8
Limit (dB)	55.6	55.6	15.7	15.7



<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR (dB)</b>	12.4	10.2	12.4	10.4
Freq. (MHz)	91.4	82.0	91.4	95.6
Limit (dB)	13.0	14.9	13.0	12.2
Worst Pair	45	45	36	36
<b>PSACR (dB)</b>	14.5	12.5	14.9	12.6
Freq. (MHz)	91.2	95.6	97.8	96.4
Limit (dB)	10.0	9.2	8.7	9.0



<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	36
<b>RL (dB)</b>	1.6	4.9	4.8	9.3
Freq. (MHz)	20.0	2.7	81.4	96.2
Limit (dB)	19.0	19.0	12.9	12.2

