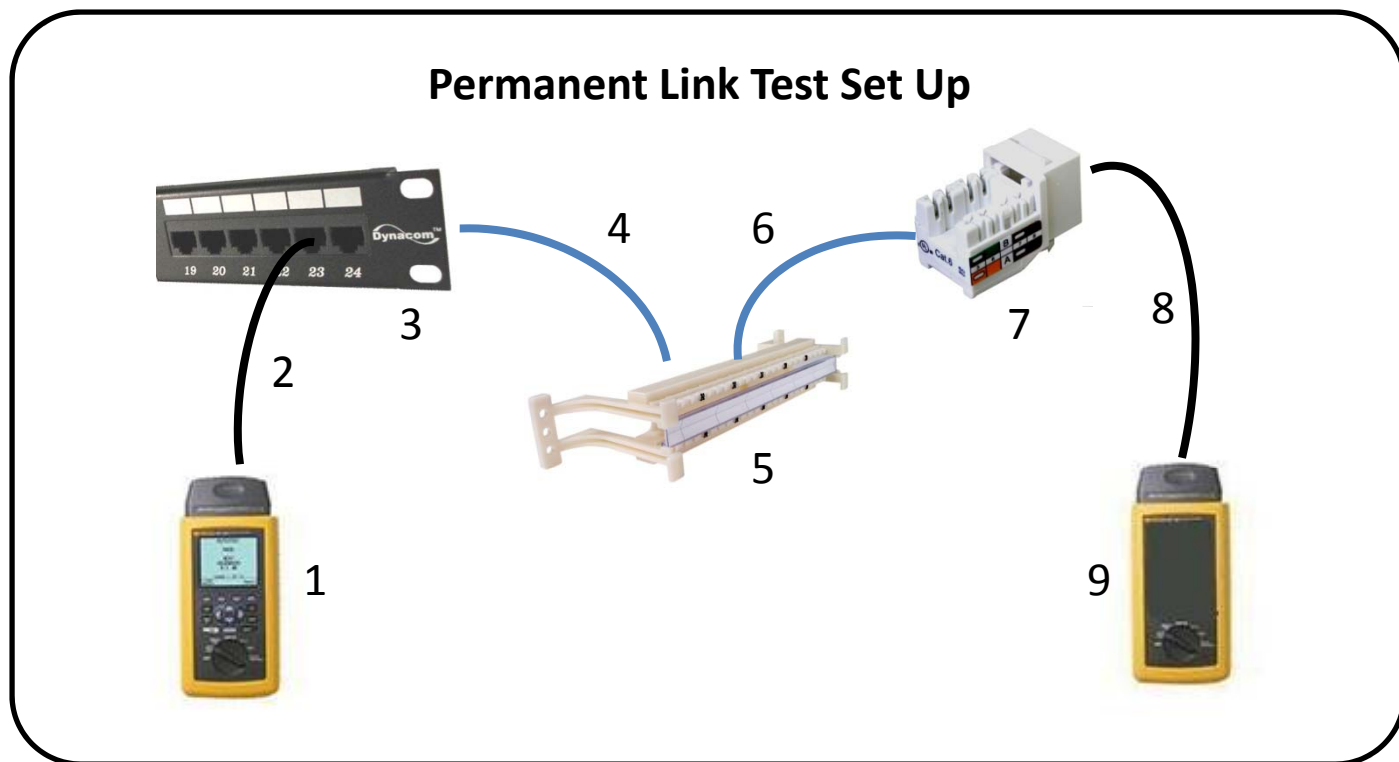


# Category 6 Permanent Link Test using WaveNet® 550CMR Cable with Dynacom 'Component Compliant' Connectivity

## WaveNet® = +5.4dB NEXT Headroom



1. Field Tester	Fluke DSP4300 Cable Tester
2. Permanent Link Adapter	Fluke Permanent Link Adapter
3. Patch Panel	Dynacom p/n 2013-24C6E
4. Horizontal Cable 50ft.	WaveNet 550CMR Cat6E Cable
5. Wiring Block	Dynacom p/n 610AWB-48
6. Horizontal Cable 61ft.	WaveNet 550CMR Cat6E Cable
7. Data Jack	Dynacom p/n 10606H-XX
8. Permanent Link Adapter	Fluke Permanent Link Adapter
9. Field Tester	Fluke DSP4300 Remote

### \*\*\*\*\* DISCLAIMER \*\*\*\*\*

These test results are provided for comparative purposes only and are not a guarantee that you will obtain identical results. Actual performance will depend upon installation and environment. Dynacom is not affiliated with WaveNet® and assumes no liability for permanent link performance using WaveNet® brand cable.



**Cable ID: WAV550+C6EPP+10606H**

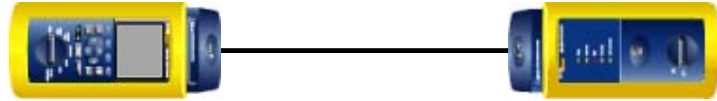
**Test Summary: PASS**

Date / Time: 07/12/2008 12:41:32pm  
 Headroom: 5.4 dB (NEXT 36-78)  
 Test Limit: TIA Cat 6 Perm. Link  
 Cable Type: UTP 100 Ohm Cat 6  
 Fault Anomaly Threshold: 15%

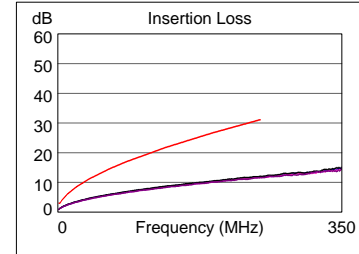
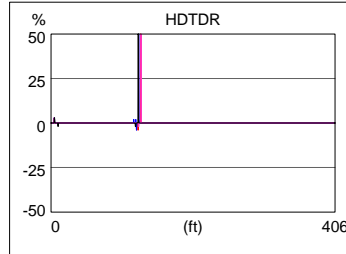
Operator: Pete Bach  
 Software Version: 1.925  
 Limits Version: 5.17  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8284020  
 Remote S/N: 8284020  
 Main Adapter: PM- 006  
 Remote Adapter: PM- 006

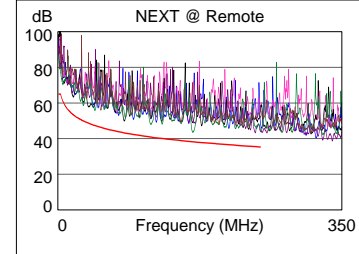
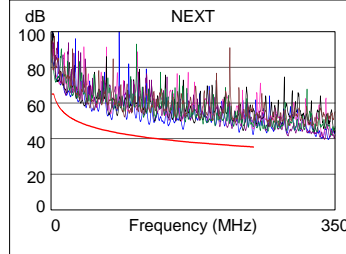
Wire Map	1 2 3 4 5 6 7 8 S
<b>PASS</b>	
	1 2 3 4 5 6 7 8



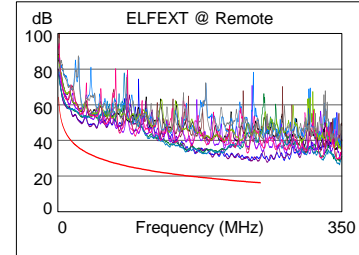
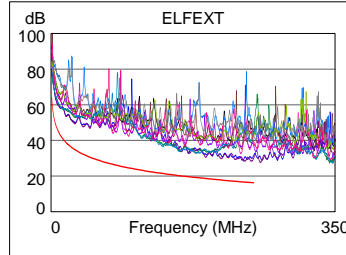
Length (ft), Limit 295	[Pair 78]	118
Prop. Delay (ns), Limit 498	[Pair 45]	180
Delay Skew (ns), Limit 44	[Pair 45]	6
Resistance (ohms)		N/A
Insertion Loss Margin (dB)	[Pair 45]	19.0
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1



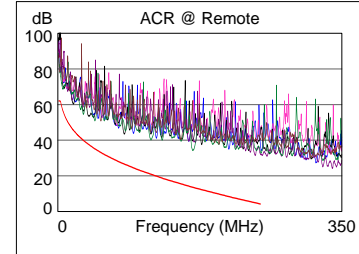
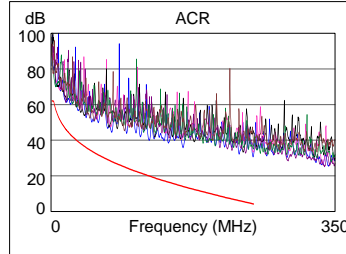
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-36	36-78	12-36	36-45
<b>NEXT (dB)</b>	6.8	5.4	7.0	7.8
Freq. (MHz)	75.0	166.5	249.0	243.5
Limit (dB)	43.9	38.2	35.3	35.5
Worst Pair	12	78	36	36
<b>PSNEXT (dB)</b>	7.3	6.8	7.6	7.9
Freq. (MHz)	74.4	166.5	249.0	250.0
Limit (dB)	41.5	35.6	32.7	32.7



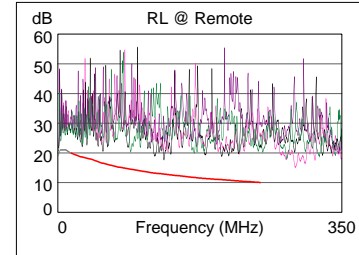
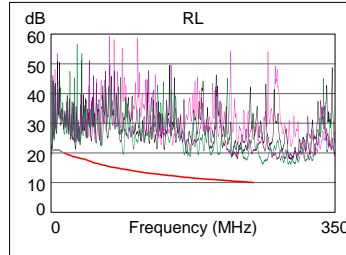
	MAIN		SR	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-12	36-12	36-12	36-12
<b>ELFEXT (dB)</b>	11.8	11.9	12.1	12.2
Freq. (MHz)	238.0	238.0	247.5	247.5
Limit (dB)	16.6	16.6	16.3	16.3
Worst Pair	45	45	12	36
<b>PSELFEXT (dB)</b>	12.9	12.7	14.4	14.6
Freq. (MHz)	1.0	1.0	246.5	246.0
Limit (dB)	61.2	61.2	13.3	13.4



	MAIN		SR	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	36-78	12-36	36-45
<b>ACR (dB)</b>	12.6	11.8	26.4	26.5
Freq. (MHz)	5.7	5.7	249.0	243.5
Limit (dB)	57.5	57.5	4.3	4.9
Worst Pair	78	78	12	36
<b>PSACR (dB)</b>	12.6	11.7	27.0	27.3
Freq. (MHz)	5.7	6.2	249.0	250.0
Limit (dB)	55.3	54.5	1.7	1.6



	MAIN		SR	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36	36	78	36
<b>RL (dB)</b>	2.8	3.6	7.5	4.9
Freq. (MHz)	30.3	30.2	241.5	131.0
Limit (dB)	18.6	18.6	10.2	12.8



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