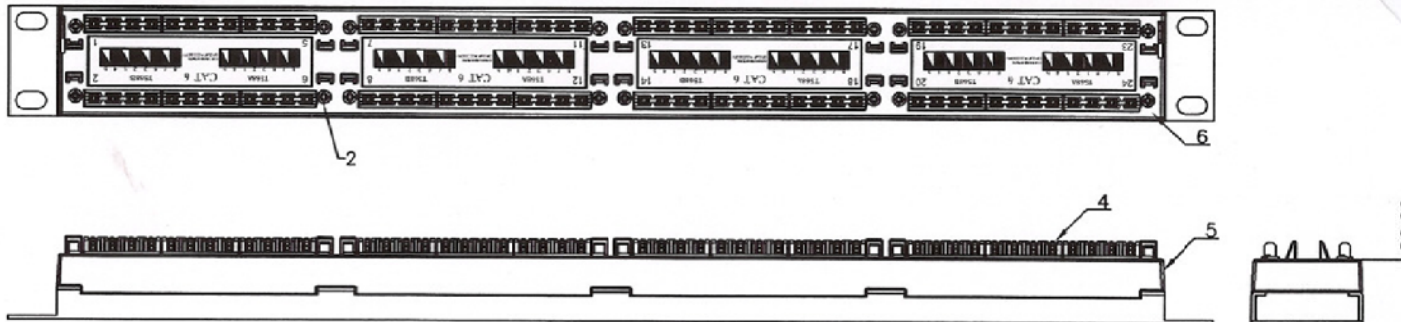
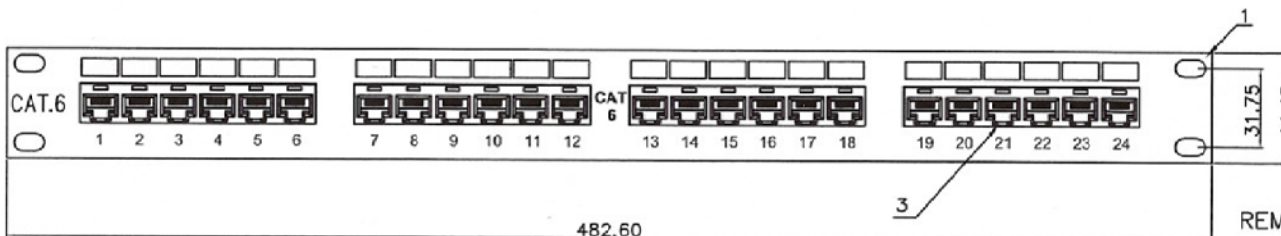


THE INFORMATION CONTAINED HEREON IS PROPRIETARY AND CONFIDENTIAL TO DYNACOM CORPORATION. AND SHALL NOT BE USED OR DISCLOSED, IN WHOLE OR IN PART WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF DYNACOM CORPORATION.

ZONE	REV.	DESCRIPTION	DATE	APPV.
-	A	INITIAL RELEASE	02/26/08	E. A.



NO#	PARTS NAME
1	FRONT PANEL (1.5mm FE)
2	TP3*8(+)
3	6 PORT 8PBC JACK MODULE
4	11006-4B CONNECTOR
5	BACK COVER
6	CAT.6 P.C.B



REMARKS:

- CAT.6 PATCH PANEL
A: PARTS(JACK QUANTITY) 24 PORTS
B: WIRE TYPE 8 CONTACTS.
- SPRING WIRE FINISH:
50u" HARD GOLD OVER 100u" NICKEL.
- PATCH PANEL MATERIAL: 1.5mm THICKNESS FE

TRANSMISSION PERFORMANCE

MEET ALL CATEGORY 6 CHANNEL PERFORMANCE REQUIREMENTS SPECIFIED IN TIA/EIA-568-B.2-1

ENVIRONMENTAL CONDITIONS

TEMPERATURE RANGE
STORAGE -40 to +70°C
OPERATIONAL -10 to +60°C
RELATIVE HUMIDITY (OPERATIONAL)
MAXIMUM NONCONDENSING 93%

ELECTRICAL

ELECTRICAL INSULATION RESISTANCE: 10 MEGAOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE : 1,000 VOLTS, RMS, 60HZ, 1 MIN
CONTACT RESISTANCE : 20 MILLIOHMS MAX
CURRENT RATING: 1.5 AMPS AT 20°C

MECHANICAL

TOTAL MATING FORCE : 800 GRAMS FOR A 8 WIRE LEADS MINIMUM
RETENTION : 30 LBS MIN BETWEEN THE JACK AND PLUG
INSERTION/EXTRACTION LIFE : 750 CYCLES MINIMUM
NUMBER OF IDC TERMINATIONS :200 MINIMUM

PHYSICAL

HOUSING : HIGH-MIPACT, FLAME-PETARDANT PLASTIC, UL94V-0 RATED
SPRING WIRE / CONTACT BLADES
MATERIAL : PHOSPHOR BERONZE ALLOY
PLATING : 24 KARAT HARD GLOD (50 MICRO INCH PLATING THICKNESS) OVER 100 MICRO INCH NICKEL
PLATE : SPCC-SD 16G



e-mail.....joet@dynacomcorp.com

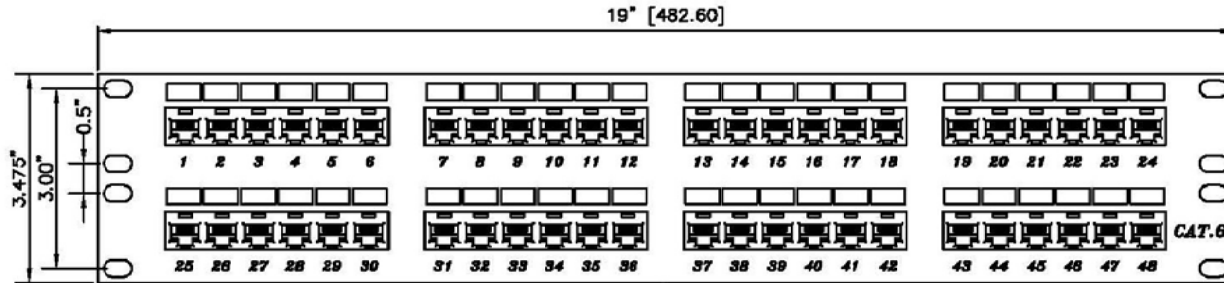
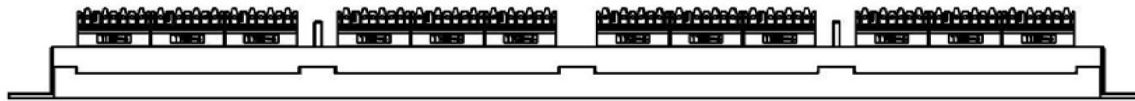
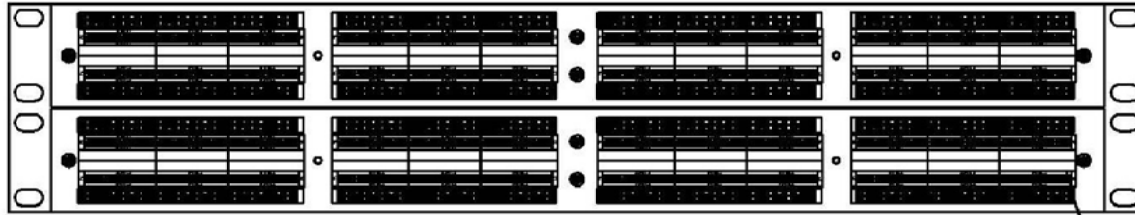
1366 San Mateo Ave Suite 201
South San Francisco CA 94080

TOLS. .X=+/- 0.030, .XX=+/- 0.010, .XXX=+/- .005, ANGLES=+/-0.5 DEG.

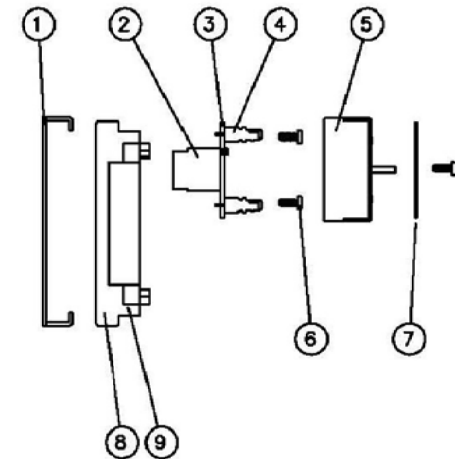
NEXT ASSY: -	DRAWN: E.A. 02/26/2008	CHECKED: Joe Tornello
TITLE: Cat6 24-Port (1RU) Patch Panel	DWG. NO. 2013-24C6	SHEET 1 OF 1 REV. A

THE INFORMATION CONTAINED HEREON IS PROPRIETARY AND CONFIDENTIAL TO DYNACOM CORPORATION. AND SHALL NOT BE USED OR DISCLOSED, IN WHOLE OR IN PART WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF DYNACOM CORPORATION.

ZONE	REV.	DESCRIPTION	DATE	APPV.
-	A	INITIAL RELEASE	02/26/08	E.A.



SILK-SCREEN FOR CUSTOMER



9	NARROW SUPPORT	2	ABS 94V-0	BLACK,FOR BACKCOVER
8	SUPPORT	3	ABS 94V-0	BLACK
7	STICK LABEL FOR WIRING	8		
6	SCREW	40	SAE1010	TP3X8
5	BACK COVER	2	SAE1010	BLACK
4	IDC BLOCK	48	PC	BLANK
3	PCB, CAT.6	8	FR4	DOUBLE SIDE
2	8P8C JACK, 8 PORT	8	ABS 94V-0	50u" GOLD
1	PATCH PANEL,CAT5E	1	SAE1010	
NO.	PART NAME	Q'TY	DESCRIPTION	REMARK



e-mail.....joet@dynacomcorp.com
 1366 San Mateo Ave Suite 201
 South San Francisco CA 94080

TOLS. X=+/- 0.030, .XX=+/- 0.010, .XXX=+/- .005, ANGLES=+/-0.5 DEG.

NEXT ASSY: -	DRAWN: E.A. 02/26/2008	CHECKED: Joe Tornello
TITLE: Cat6 48-Port (2RU) Patch Panel		DWG. NO. SHEET 1 OF 1 REV. A
		2013-48C6

THE INFORMATION CONTAINED HEREON IS PROPRIETARY AND CONFIDENTIAL TO DYNACOM CORPORATION AND SHALL NOT BE USED OR DISCLOSED, IN WHOLE OR IN PART WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION OF DYNACOM CORPORATION. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

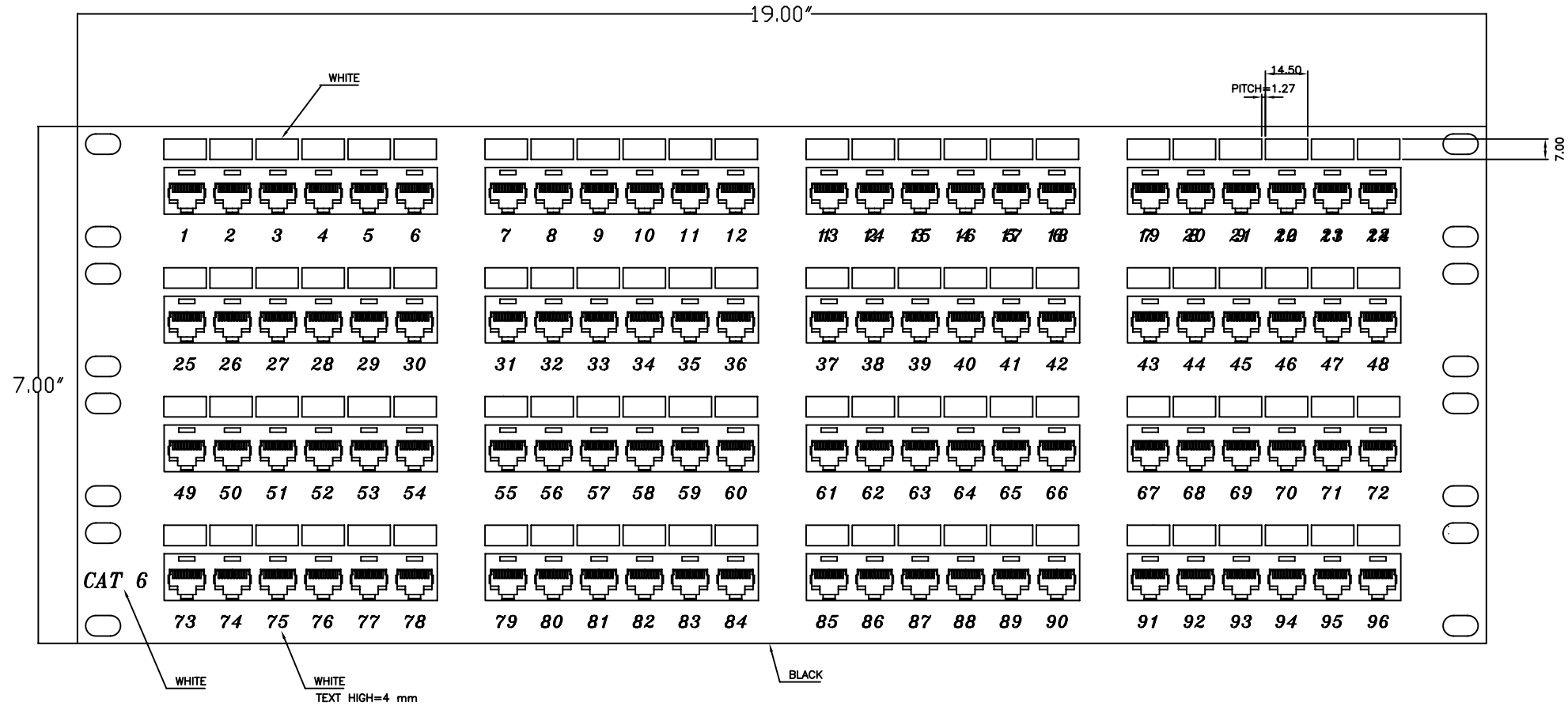
ZONE		REVISIONS		
REV	DESCRIPTION	DATE	APPROVED	


D

C

B

A



UNLESS OTHERWISE SPECIFIED: TOLERANCES DECIMAL ~20 ±0.1mm OVER 20-60 ±0.15mm OVER 60~ ±0.2mm ANGULAR ±0°50'	PROJECT ID	2013-96C6			
	FILE	DATE	TITLE		
	MATERIAL	DRAWN	96-PORT CAT6 PATCH PANEL		
	SURFACE	CHECK	SIZE	DRAWING NUMBER	
FINISH	APPROVED	SCALE	UNIT	SHEET	REV



Report No : **RDT-061218-02-B**

DATE : 2006/12/18

Description :	Patch Panel Cat6 Permanent Link Performance Test																														
Product :	2013-24C6E																														
Measurements :	<p>1. TIA Cat.6 Perm. Link UTP 100 Ohm Cat.6</p> <table border="0"> <tr> <td>1-1. Wire Map</td> <td>1-7. NEXT</td> <td></td> </tr> <tr> <td>1-2. Length</td> <td>1-8. NEXT</td> <td>@ Remote</td> </tr> <tr> <td>1-3. Propagation Delay</td> <td>1-9. RL</td> <td></td> </tr> <tr> <td>1-4. Delay</td> <td>1-10. RL</td> <td>@ Remote</td> </tr> <tr> <td>1-5. Resistance</td> <td>1-11. PSNEXT</td> <td></td> </tr> <tr> <td>1-6. Attenuation</td> <td>1-12. PSNEXT</td> <td>@ Remote</td> </tr> <tr> <td></td> <td>1-13. ELFEXT</td> <td></td> </tr> <tr> <td></td> <td>1-14. ELFEXT</td> <td>@ Remote</td> </tr> <tr> <td></td> <td>1-15. PSELFEXT</td> <td></td> </tr> <tr> <td></td> <td>1-16. PSELFEXT</td> <td>@ Remote</td> </tr> </table>	1-1. Wire Map	1-7. NEXT		1-2. Length	1-8. NEXT	@ Remote	1-3. Propagation Delay	1-9. RL		1-4. Delay	1-10. RL	@ Remote	1-5. Resistance	1-11. PSNEXT		1-6. Attenuation	1-12. PSNEXT	@ Remote		1-13. ELFEXT			1-14. ELFEXT	@ Remote		1-15. PSELFEXT			1-16. PSELFEXT	@ Remote
1-1. Wire Map	1-7. NEXT																														
1-2. Length	1-8. NEXT	@ Remote																													
1-3. Propagation Delay	1-9. RL																														
1-4. Delay	1-10. RL	@ Remote																													
1-5. Resistance	1-11. PSNEXT																														
1-6. Attenuation	1-12. PSNEXT	@ Remote																													
	1-13. ELFEXT																														
	1-14. ELFEXT	@ Remote																													
	1-15. PSELFEXT																														
	1-16. PSELFEXT	@ Remote																													
Standards :	<p>1. TIA/EIA-568-B.2-1,Transmission Performance Specification for 4 Pair 100 Ω Category 6 Cabling, dated June,2002.</p> <p>2. The modular cabling configuration is according to T568B (Pair1=4,5 Pair2=1,2 Pair3=3,6 Pair4=7,8)</p>																														
Equipment :	<p>1. FLUKE DSP-4300 CABLE ANALYZER with DSP-LIA101 PERMANENT LINK ADAPTER (PM06)</p> <p>2. FLUKE DSP-4300SR SMART REMOTE with DSP-LIA101 PERMANENT LINK ADAPTER (PM06)</p>																														
Results :	1. The results are shown in summary and graphs,PASS.																														

Approved : *James*

Test Engineer : *Lion*

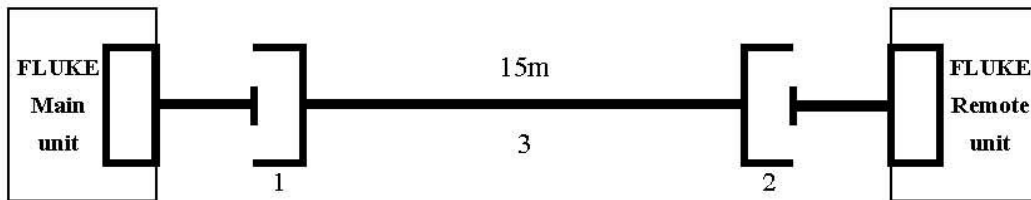


Report No :

RDT-061218-02-B

DATE : 2006/12/18

Test Set up :



Number	Description	Manufacturer	Part Number
1,2	Patch Panel	Dynacom	2013-24C6E
3	Horizontal Cable	Superior Essex	CAT6 UTP



Cable ID:

Test Summary: PASS

Date / Time: 12/18/2006 02:48:31pm
 Headroom: 5.2 dB (NEXT 12-36)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: UTP 100 Ohm Cat 6
 Fault Anomaly Threshold: 15%

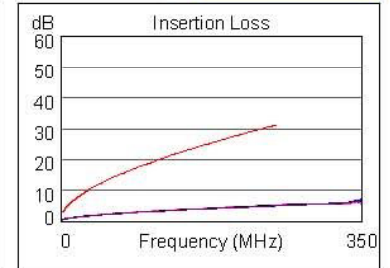
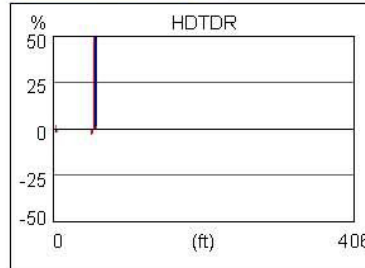
Operator:
 Software Version: 1.921
 Limits Version: 5.12G
 NVP: 69.0%
 Shield Test: N/A

Model: DSP-4300
 Main S/N: 7980008
 Main Adapter: PM- 000

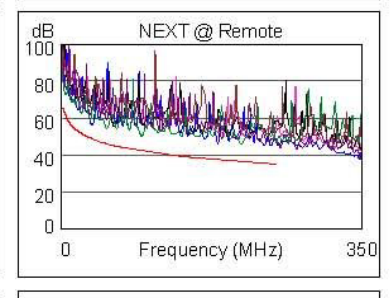
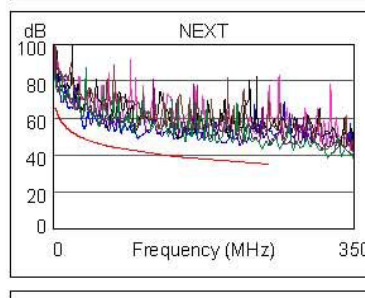
Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8



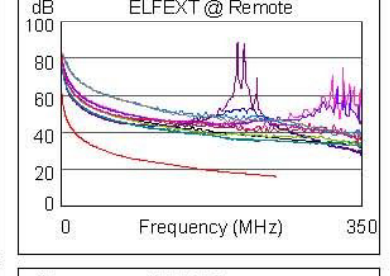
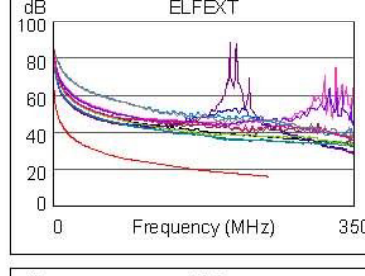
Length (ft), Limit 295	[Pair 12]	49
Prop. Delay (ns), Limit 498	[Pair 36]	75
Delay Skew (ns), Limit 44	[Pair 36]	3
Resistance (ohms)		N/A
Insertion Loss Margin (dB)	[Pair 36]	25.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



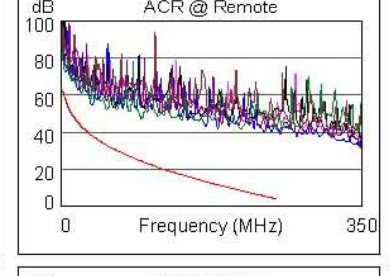
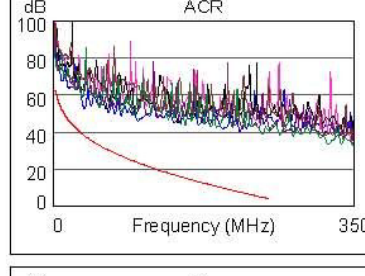
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	12-36
NEXT (dB)	5.2	7.4	7.2	9.1
Freq. (MHz)	36.4	36.4	244.0	244.0
Limit (dB)	49.0	49.0	35.5	35.5
Worst Pair	36	36	36	36
PSNEXT (dB)	6.6	7.7	8.8	9.4
Freq. (MHz)	35.8	35.4	244.0	244.0
Limit (dB)	46.6	46.7	32.9	32.9



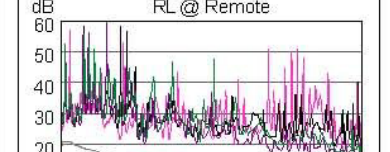
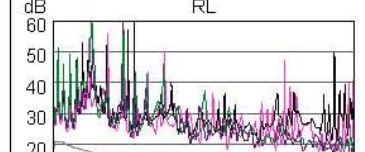
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ELFEXT (dB)	13.6	13.5	18.1	18.0
Freq. (MHz)	1.1	1.1	229.5	229.5
Limit (dB)	63.4	63.4	16.9	16.9
Worst Pair	45	45	36	36
PSELFEXT (dB)	14.2	14.5	20.2	19.6
Freq. (MHz)	1.0	1.0	228.5	229.5
Limit (dB)	61.2	61.2	14.0	13.9



	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-78	12-36
ACR (dB)	14.1	13.9	33.0	34.7
Freq. (MHz)	36.4	3.9	244.0	244.0
Limit (dB)	38.2	60.8	4.8	4.8
Worst Pair	36	36	36	36
PSACR (dB)	14.9	14.6	34.4	35.0
Freq. (MHz)	4.3	5.1	244.0	244.0
Limit (dB)	57.7	56.2	2.2	2.2



	MAIN	SR	MAIN	SR
Worst Pair	12	45	45	45
RL (dB)	7.5	6.0	8.1	7.0
Freq. (MHz)	203.0	97.4	240.0	245.5
Limit (dB)	10.9	14.2	10.2	10.1



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:

Test Summary: PASS

Date / Time: 12/18/2006 03:00:03pm
 Headroom: 5.3 dB (NEXT 12-36)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: UTP 100 Ohm Cat 6
 Fault Anomaly Threshold: 15%

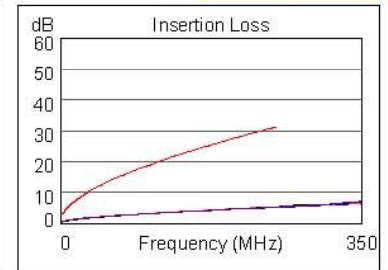
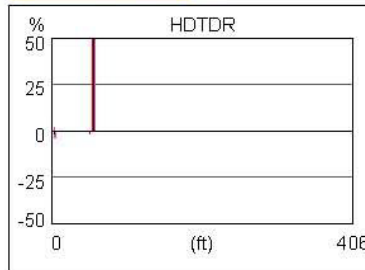
Operator:
 Software Version: 1.921
 Limits Version: 5.12G
 NVP: 69.0%
 Shield Test: N/A

Model: DSP-4300
 Main S/N: 7980008
 Main Adapter: PM- 000

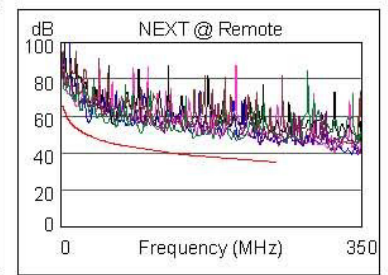
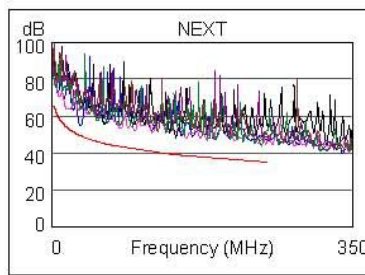
Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8



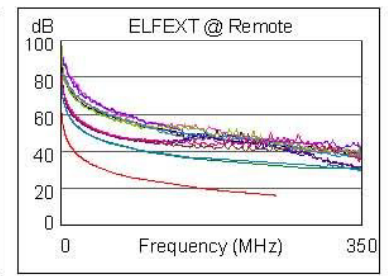
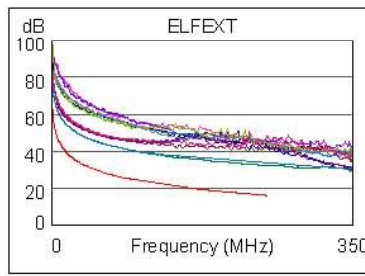
Length (ft), Limit 295	[Pair 12]	49
Prop. Delay (ns), Limit 498	[Pair 36]	75
Delay Skew (ns), Limit 44	[Pair 36]	3
Resistance (ohms)		N/A
Insertion Loss Margin (dB)	[Pair 36]	25.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



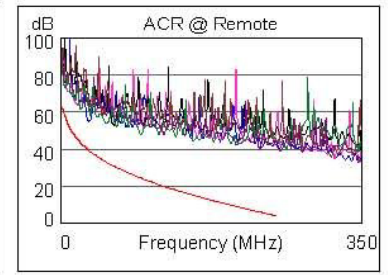
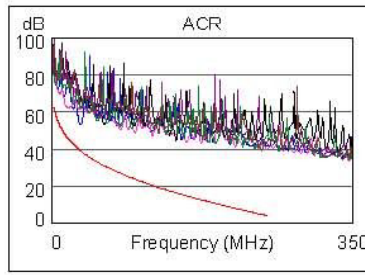
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	36-45
NEXT (dB)	5.3	6.9	8.4	9.0
Freq. (MHz)	33.8	33.2	244.0	232.0
Limit (dB)	49.5	49.6	35.5	35.8
Worst Pair	36	36	36	36
PSNEXT (dB)	6.9	7.8	8.5	8.4
Freq. (MHz)	33.6	34.0	229.5	206.0
Limit (dB)	47.0	46.9	33.4	34.1



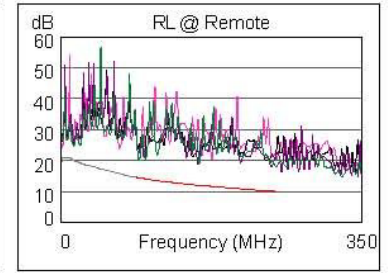
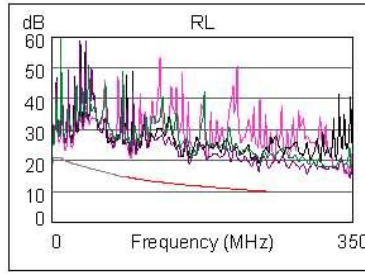
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ELFEXT (dB)	11.7	11.7	16.2	16.2
Freq. (MHz)	1.0	1.0	245.0	245.5
Limit (dB)	64.2	64.2	16.4	16.4
Worst Pair	45	45	36	36
PSELFEXT (dB)	13.3	13.7	18.6	18.3
Freq. (MHz)	1.0	1.0	245.0	245.5
Limit (dB)	61.2	61.2	13.4	13.4



	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-78	36-45
ACR (dB)	13.9	14.0	33.8	33.7
Freq. (MHz)	33.6	3.9	243.5	232.0
Limit (dB)	39.2	60.8	4.9	6.1
Worst Pair	36	36	36	36
PSACR (dB)	15.4	14.7	33.6	34.2
Freq. (MHz)	33.6	4.4	236.5	233.0
Limit (dB)	36.8	57.5	3.1	3.4



	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	45
RL (dB)	6.3	5.8	6.3	7.3
Freq. (MHz)	240.5	99.4	240.5	244.0
Limit (dB)	10.2	14.1	10.2	10.1



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T ATM-25 ATM-51
 ATM-155 100VG-AnyLan TR-4
 TR-18 Active TR-18 Passive



Cable ID:

Test Summary: PASS

Date / Time: 12/18/2006 03:05:07pm
 Headroom: 5.8 dB (NEXT 12-36)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: UTP 100 Ohm Cat 6
 Fault Anomaly Threshold: 15%

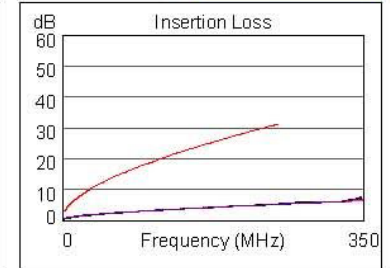
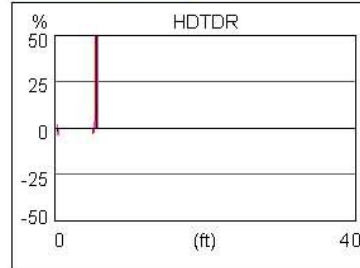
Operator:
 Software Version: 1.921
 Limits Version: 5.12G
 NVP: 69.0%
 Shield Test: N/A

Model: DSP-4300
 Main S/N: 7980008
 Main Adapter: PM- 000

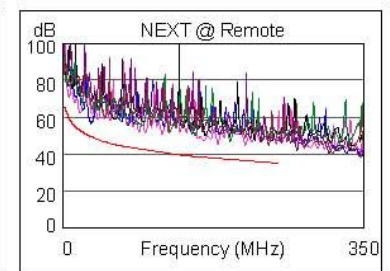
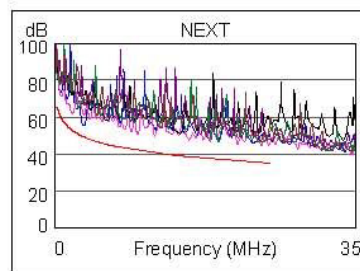
Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8



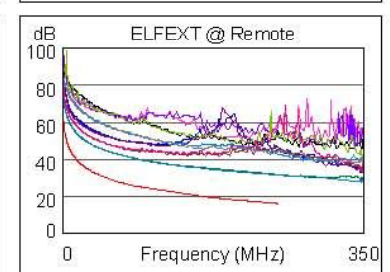
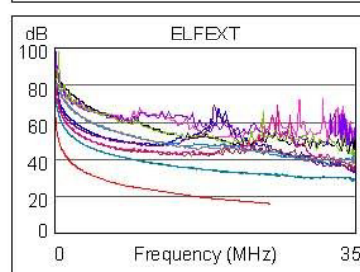
Length (ft), Limit 295	[Pair 12]	49
Prop. Delay (ns), Limit 498	[Pair 36]	75
Delay Skew (ns), Limit 44	[Pair 36]	3
Resistance (ohms)		N/A
Insertion Loss Margin (dB)	[Pair 36]	25.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



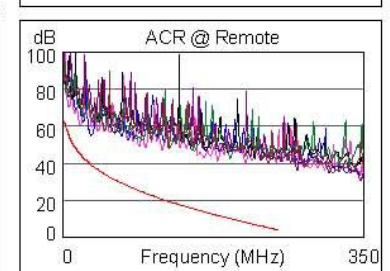
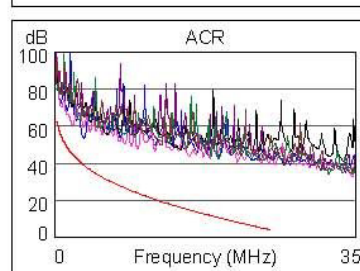
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-45
NEXT (dB)	5.8	7.1	9.3	7.7
Freq. (MHz)	33.8	33.2	248.5	213.5
Limit (dB)	49.5	49.6	35.4	36.5
Worst Pair	12	12	45	45
PSNEXT (dB)	7.2	8.3	9.5	9.0
Freq. (MHz)	34.2	166.0	248.5	240.0
Limit (dB)	46.9	35.7	32.7	33.0



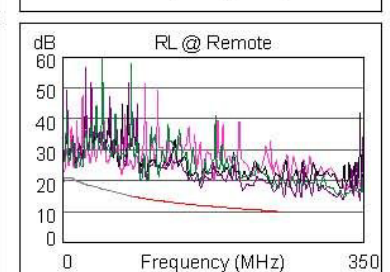
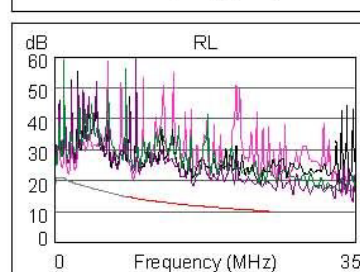
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ELFEXT (dB)	11.1	11.1	15.2	15.2
Freq. (MHz)	1.0	1.0	246.0	245.0
Limit (dB)	64.2	64.2	16.4	16.4
Worst Pair	45	36	45	36
PSELFEXT (dB)	12.7	13.2	18.2	17.7
Freq. (MHz)	1.0	1.0	250.0	244.0
Limit (dB)	61.2	61.2	13.2	13.4



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	12-45	12-45
ACR (dB)	14.4	15.0	35.2	31.4
Freq. (MHz)	33.6	7.1	248.5	214.0
Limit (dB)	39.2	55.6	4.3	8.0
Worst Pair	12	12	45	45
PSACR (dB)	14.5	15.7	35.2	34.9
Freq. (MHz)	6.8	6.6	248.5	247.5
Limit (dB)	53.6	53.9	1.8	1.9



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	45	45	45
RL (dB)	6.0	5.0	7.9	5.9
Freq. (MHz)	92.0	160.0	240.5	245.0
Limit (dB)	14.4	12.0	10.2	10.1



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T ATM-25 ATM-51
 ATM-155 100VG-AnyLan TR-4
 TR-18 Active TR-18 Passive