



Cable ID: TC-01-P

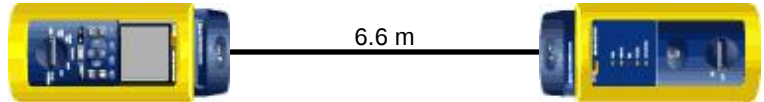
Test Summary: PASS

Date / Time: 08/05/2012 12:04:39
Headroom: 18.3 dB (NEXT 45-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

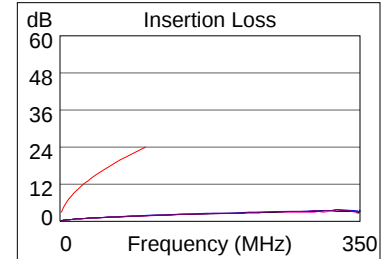
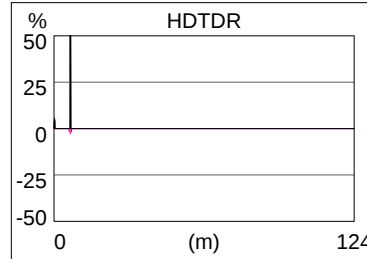
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

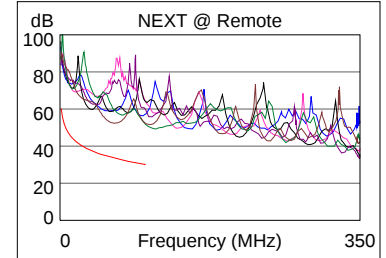
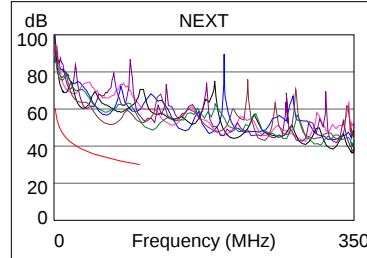


Length (m), Limit 100.0	[Pair 36]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

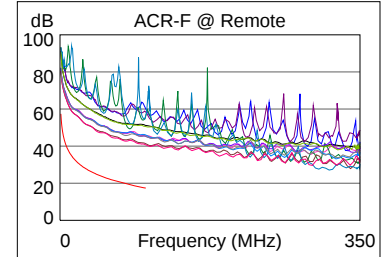
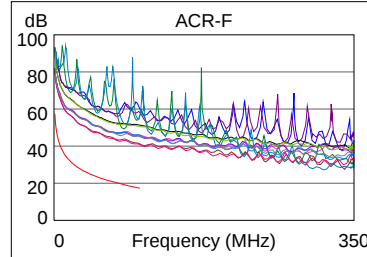
Insertion Loss Margin (dB)	[Pair 12]	22.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



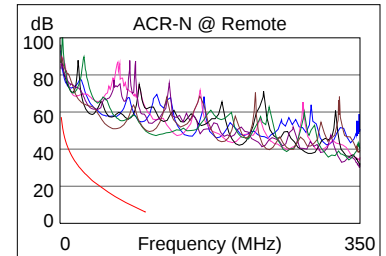
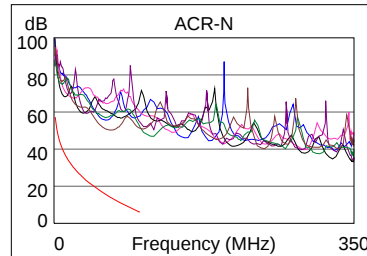
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-78
NEXT (dB)	18.3	18.7	18.5	21.4
Freq. (MHz)	65.6	61.8	67.6	100.0
Limit (dB)	33.3	33.7	33.1	30.1
Worst Pair	78	78	78	78
PS NEXT (dB)	20.0	20.2	20.3	21.6
Freq. (MHz)	62.2	61.8	67.6	100.0
Limit (dB)	30.6	30.7	30.1	27.1



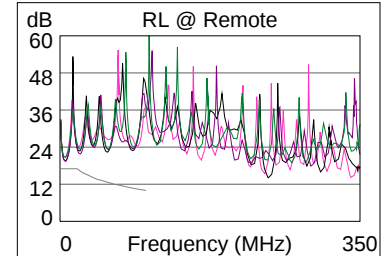
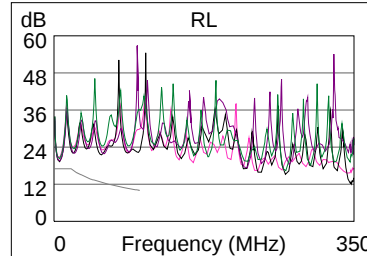
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	78-36	78-36
ACR-F (dB)	22.8	22.8	23.4	23.4
Freq. (MHz)	74.6	75.6	100.0	100.0
Limit (dB)	20.0	19.9	17.4	17.4
Worst Pair	78	78	78	78
PS ACR-F (dB)	23.7	23.4	25.3	24.8
Freq. (MHz)	1.5	1.1	100.0	100.0
Limit (dB)	50.9	53.6	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	45-78	36-78
ACR-N (dB)	27.7	26.4	36.3	43.7
Freq. (MHz)	1.0	1.0	66.8	100.0
Limit (dB)	57.0	57.0	13.8	6.0
Worst Pair	45	45	78	78
PS ACR-N (dB)	27.2	26.1	45.7	43.9
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	54.0	54.0	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	22.9	34.4	22.9	34.4
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-21

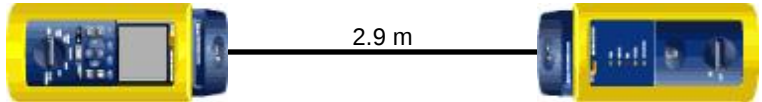
Test Summary: PASS

Date / Time: 10/05/2012 13:04:11
Headroom: 11.3 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

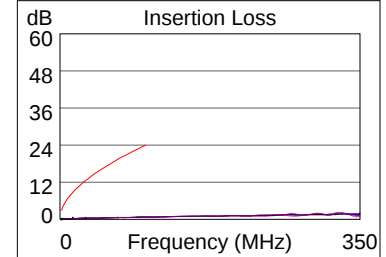
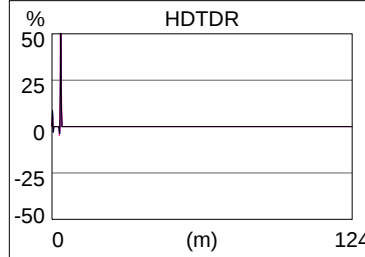
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

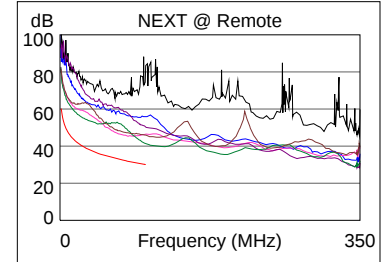
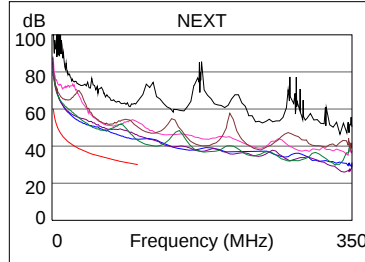


Length (m), Limit 100.0	[Pair 12]	2.9
Prop. Delay (ns), Limit 555	[Pair 12]	14
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

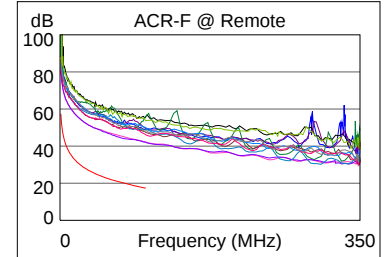
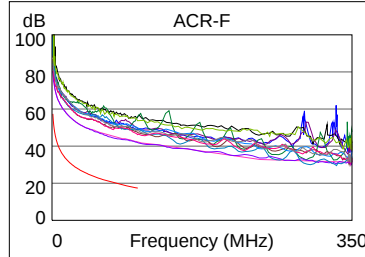
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



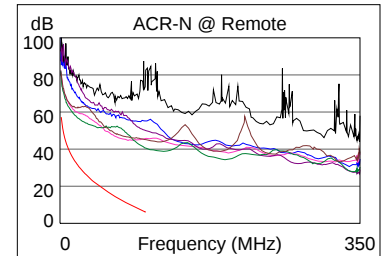
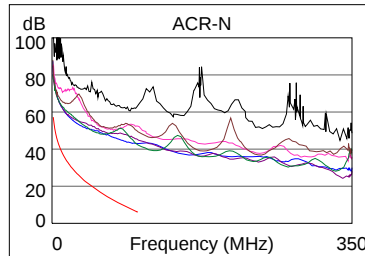
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-78	36-78
NEXT (dB)	13.1	11.3	13.2	11.3
Freq. (MHz)	92.4	99.8	99.6	99.8
Limit (dB)	30.7	30.1	30.1	30.1
Worst Pair	36	78	36	78
PS NEXT (dB)	12.3	13.0	12.3	13.0
Freq. (MHz)	100.0	99.8	100.0	99.8
Limit (dB)	27.1	27.1	27.1	27.1



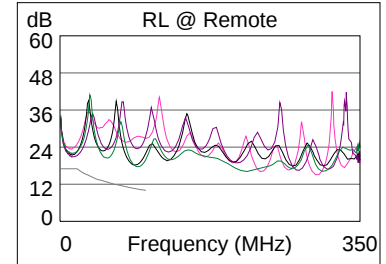
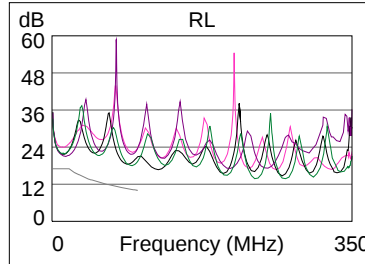
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	45-12	45-12
ACR-F (dB)	21.9	21.9	24.3	24.4
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	56.6	56.6	17.4	17.4
Worst Pair	36	12	12	45
PS ACR-F (dB)	22.5	22.4	26.4	26.1
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	53.6	53.6	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	20.0	19.3	36.4	34.5
Freq. (MHz)	2.3	2.2	99.6	99.8
Limit (dB)	54.1	54.5	6.1	6.1
Worst Pair	36	78	36	78
PS ACR-N (dB)	19.6	21.1	35.7	36.2
Freq. (MHz)	2.3	2.5	100.0	99.8
Limit (dB)	51.1	50.4	3.0	3.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	19.4	19.9	19.4	19.9
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-02

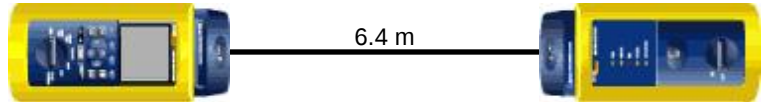
Test Summary: PASS

Date / Time: 08/05/2012 12:09:54
Headroom: 20.7 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

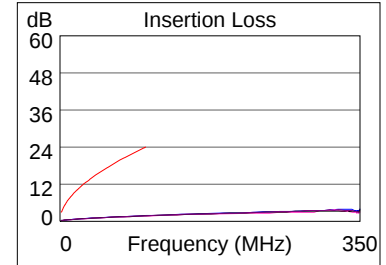
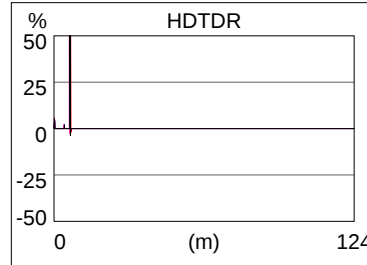
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

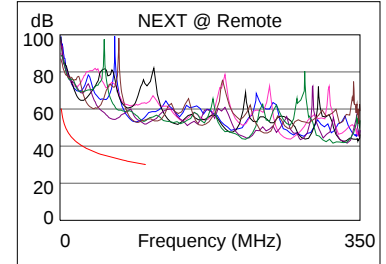
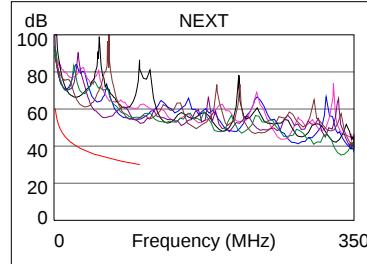


Length (m), Limit 100.0	[Pair 45]	6.4
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	2
Resistance (ohms)		N/A

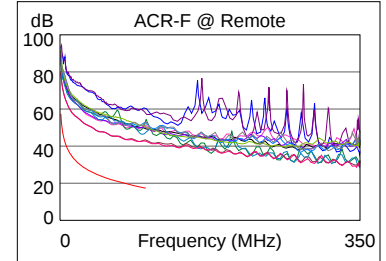
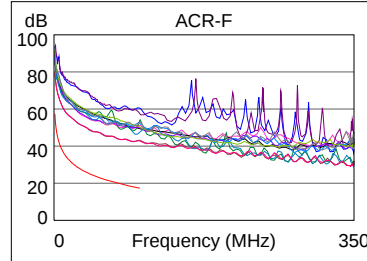
Insertion Loss Margin (dB)	[Pair 78]	22.1
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	24.0



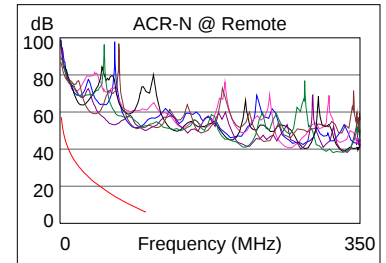
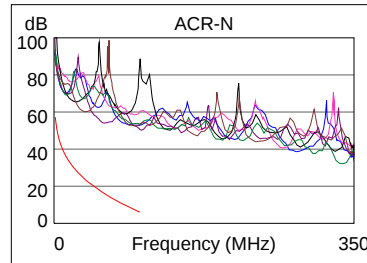
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	21.2	20.7	22.5	21.6
Freq. (MHz)	57.4	61.6	100.0	100.0
Limit (dB)	34.2	33.7	30.1	30.1
Worst Pair	36	36	36	36
PS NEXT (dB)	22.1	21.2	22.1	21.3
Freq. (MHz)	99.6	97.6	99.6	98.2
Limit (dB)	27.1	27.3	27.1	27.2



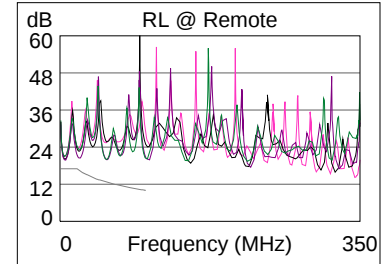
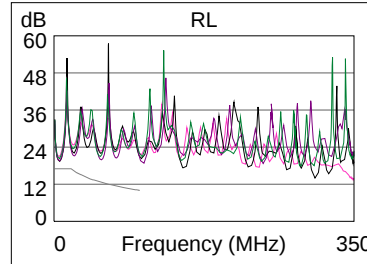
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	78-36
ACR-F (dB)	21.9	21.9	24.4	24.4
Freq. (MHz)	1.2	1.2	93.4	93.0
Limit (dB)	55.8	55.8	18.0	18.0
Worst Pair	36	36	36	36
PS ACR-F (dB)	23.9	24.1	26.2	26.5
Freq. (MHz)	1.0	1.2	95.4	94.2
Limit (dB)	54.4	52.8	14.8	14.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	36-45
ACR-N (dB)	28.3	28.5	44.8	43.9
Freq. (MHz)	1.4	1.6	100.0	100.0
Limit (dB)	57.0	57.0	6.0	6.0
Worst Pair	78	78	36	36
PS ACR-N (dB)	29.4	28.9	44.4	43.4
Freq. (MHz)	1.3	1.6	99.6	98.2
Limit (dB)	54.0	54.0	3.1	3.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
RL (dB)	20.4	20.3	20.4	20.3
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-22

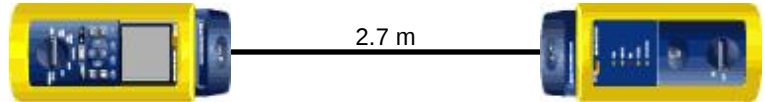
Test Summary: PASS

Date / Time: 10/05/2012 13:07:08
Headroom: 12.8 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

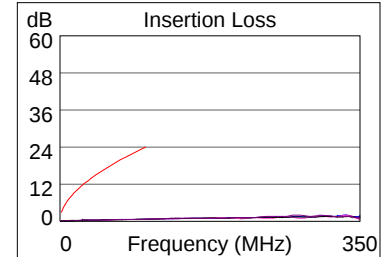
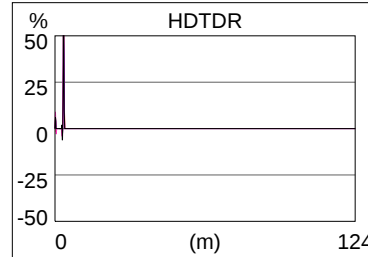
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

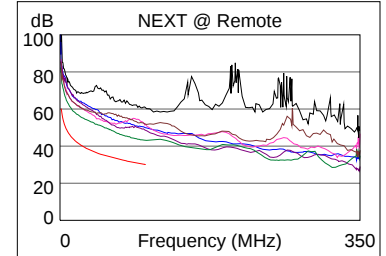
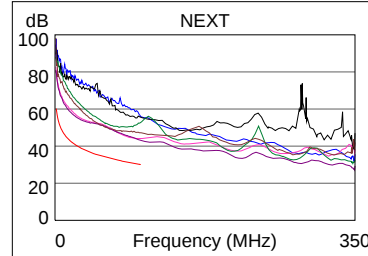


Length (m), Limit 100.0	[Pair 45]	2.7
Prop. Delay (ns), Limit 555	[Pair 12]	14
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

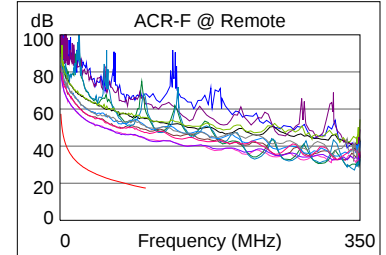
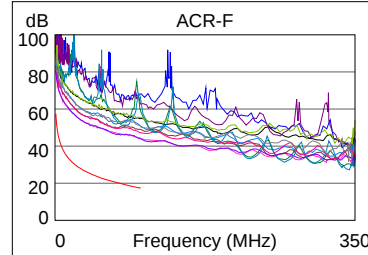
Insertion Loss Margin (dB)	[Pair 12]	23.3
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



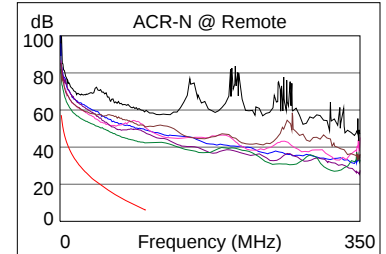
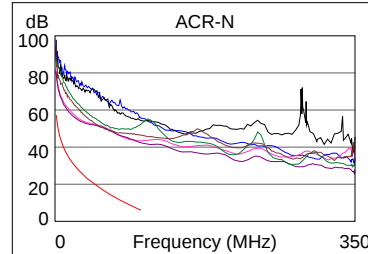
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-78
NEXT (dB)	13.0	12.8	13.0	12.9
Freq. (MHz)	99.6	93.4	99.6	100.0
Limit (dB)	30.1	30.6	30.1	30.1
Worst Pair	45	36	45	36
PS NEXT (dB)	12.5	14.2	12.5	14.2
Freq. (MHz)	99.0	100.0	99.0	100.0
Limit (dB)	27.1	27.1	27.1	27.1



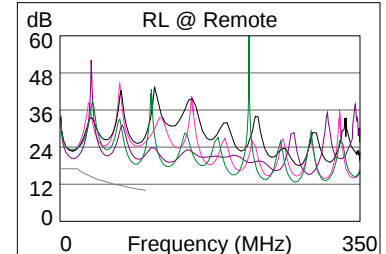
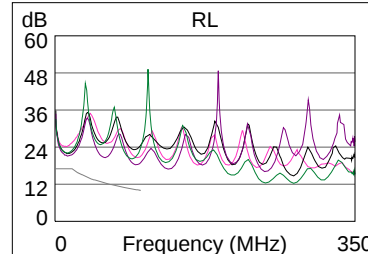
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	45-12	45-12
ACR-F (dB)	22.5	22.5	26.3	26.3
Freq. (MHz)	1.2	1.2	100.0	100.0
Limit (dB)	55.8	55.8	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	23.6	22.9	28.7	28.5
Freq. (MHz)	1.4	1.1	99.6	100.0
Limit (dB)	51.5	53.6	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-78
ACR-N (dB)	20.5	19.0	36.3	36.3
Freq. (MHz)	1.6	2.2	99.6	100.0
Limit (dB)	57.0	54.5	6.1	6.0
Worst Pair	45	78	45	36
PS ACR-N (dB)	20.5	20.1	35.7	37.6
Freq. (MHz)	1.6	2.2	99.0	100.0
Limit (dB)	54.0	51.5	3.2	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	19.0	21.5	19.0	21.5
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-03

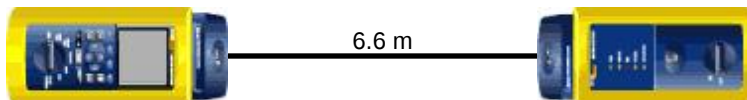
Test Summary: PASS

Date / Time: 08/05/2012 12:13:14
Headroom: 18.8 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

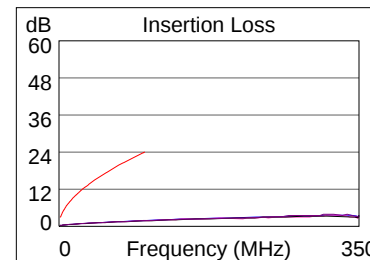
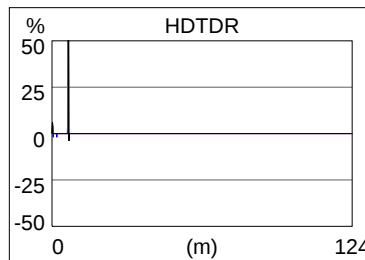
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

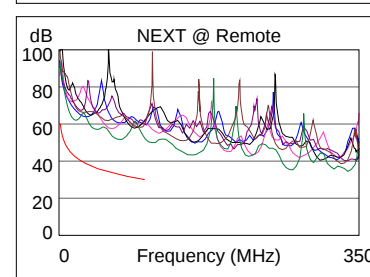
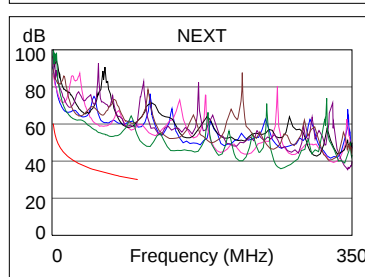


Length (m), Limit 100.0	[Pair 36]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

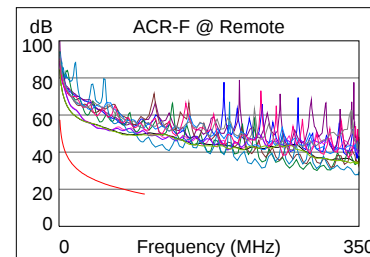
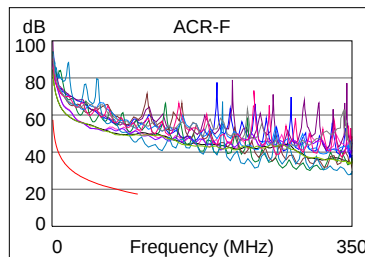
Insertion Loss Margin (dB)	[Pair 12]	22.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



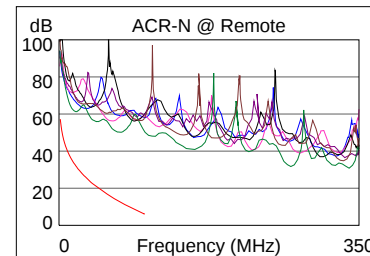
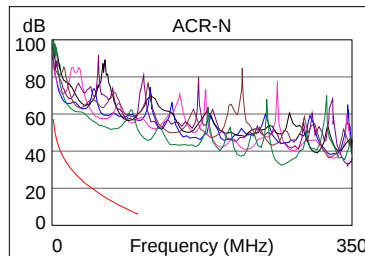
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	20.1	18.8	20.3	19.1
Freq. (MHz)	67.6	70.2	69.6	72.6
Limit (dB)	33.1	32.8	32.8	32.5
Worst Pair	36	36	36	36
PS NEXT (dB)	22.3	21.1	24.8	21.4
Freq. (MHz)	67.6	70.2	100.0	72.6
Limit (dB)	30.1	29.8	27.1	29.5



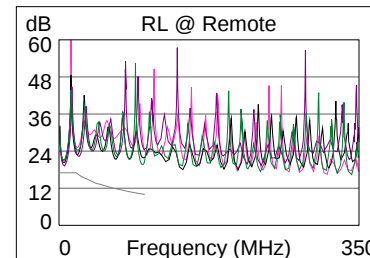
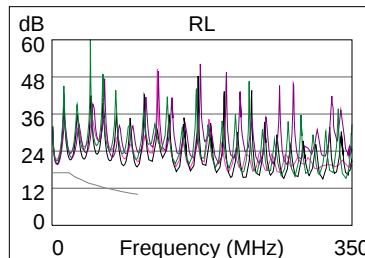
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78-12	78-12	45-36	45-36
ACR-F (dB)	25.4	25.5	27.7	27.8
Freq. (MHz)	1.2	1.2	97.4	97.4
Limit (dB)	55.8	55.8	17.6	17.6
Worst Pair	12	78	36	45
PS ACR-F (dB)	26.7	27.3	30.0	29.2
Freq. (MHz)	1.2	1.3	97.4	97.4
Limit (dB)	52.8	52.2	14.6	14.6



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	36-78	36-78	36-78
ACR-N (dB)	27.0	27.6	45.6	37.8
Freq. (MHz)	1.6	14.6	100.0	72.6
Limit (dB)	57.0	35.7	6.0	12.3
Worst Pair	12	36	36	36
PS ACR-N (dB)	28.1	29.4	47.1	46.3
Freq. (MHz)	1.6	15.8	100.0	100.0
Limit (dB)	54.0	31.7	3.0	3.0



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36	78	36	78
RL (dB)	19.0	20.7	19.0	20.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



Compliant Network Standards:
10BASE-T 100BASE-TX
1000BASE-T ATM-25
ATM-155 100VG-AnyLan
TR-16 Active TR-16 Passive

100BASE-T4
ATM-51
TR-4



Cable ID: TC-P-04

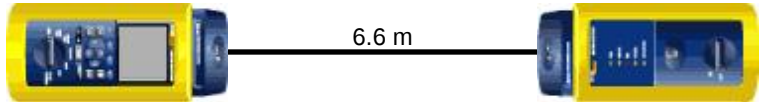
Test Summary: PASS

Date / Time: 08/05/2012 12:14:42
Headroom: 18.6 dB (NEXT 12-36)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

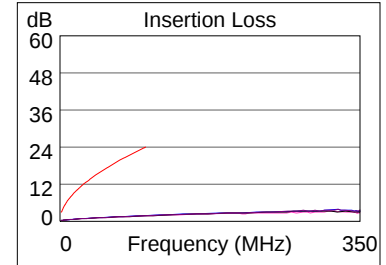
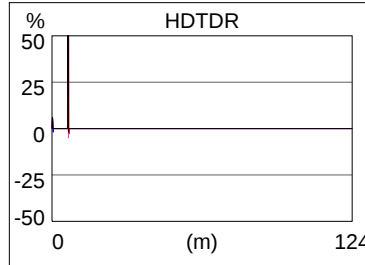
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

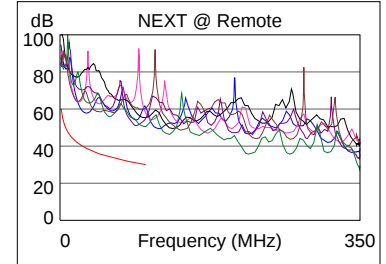
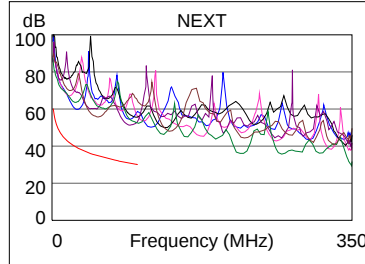


Length (m), Limit 100.0	[Pair 36]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

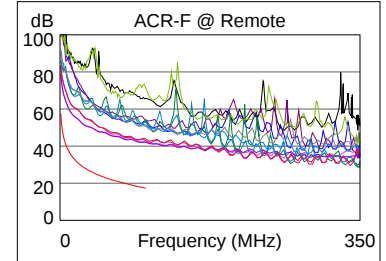
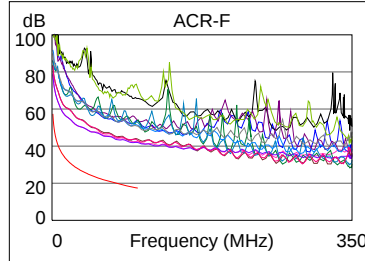
Insertion Loss Margin (dB)	[Pair 12]	22.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



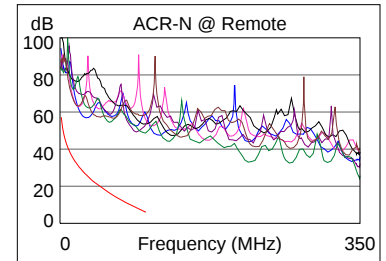
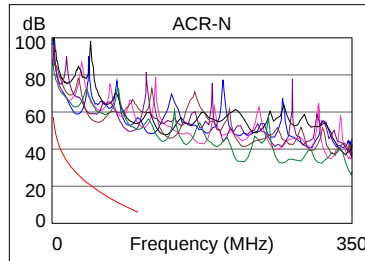
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-78
NEXT (dB)	20.3	18.6	20.6	20.4
Freq. (MHz)	28.0	28.4	92.4	100.0
Limit (dB)	39.6	39.5	30.7	30.1
Worst Pair	36	36	36	36
PS NEXT (dB)	20.4	19.9	20.4	19.9
Freq. (MHz)	92.2	91.2	92.2	91.2
Limit (dB)	27.7	27.8	27.7	27.8



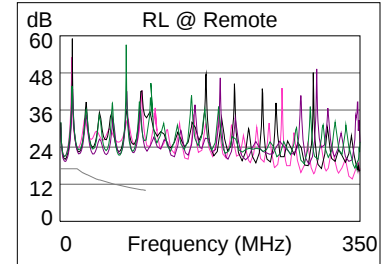
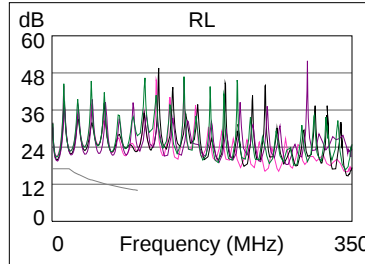
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	45-12	45-12
ACR-F (dB)	20.8	20.8	24.5	24.6
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	56.6	56.6	17.4	17.4
Worst Pair	45	12	45	45
PS ACR-F (dB)	23.1	23.7	26.6	26.2
Freq. (MHz)	1.0	1.1	95.6	94.6
Limit (dB)	54.4	53.6	14.8	14.9



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-45	36-45	36-78
ACR-N (dB)	26.1	26.1	41.9	42.7
Freq. (MHz)	2.1	1.0	92.4	100.0
Limit (dB)	54.9	57.0	7.7	6.0
Worst Pair	45	45	36	36
PS ACR-N (dB)	26.8	26.3	41.7	41.1
Freq. (MHz)	1.0	1.0	92.2	91.2
Limit (dB)	54.0	54.0	4.7	4.9



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	45	12	45
RL (dB)	22.7	23.1	22.7	23.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-05

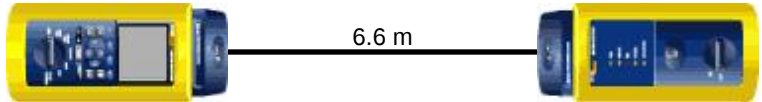
Test Summary: PASS

Date / Time: 08/05/2012 12:15:49
Headroom: 18.5 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

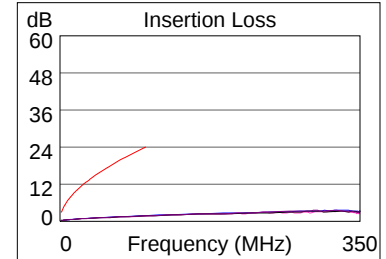
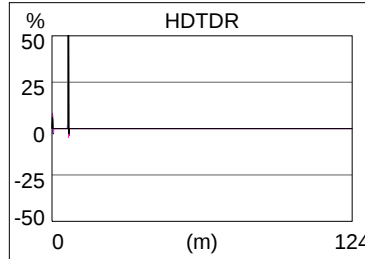
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

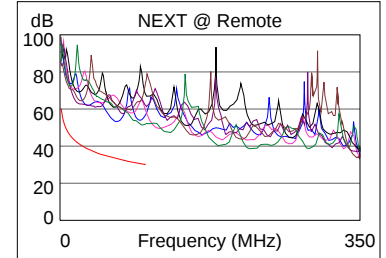
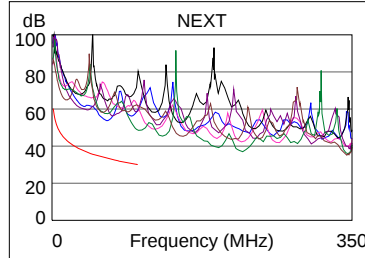


Length (m), Limit 100.0	[Pair 36]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

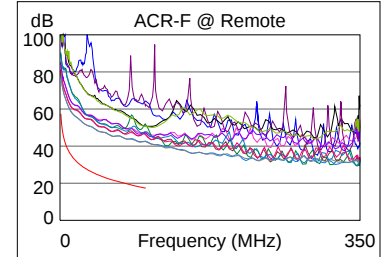
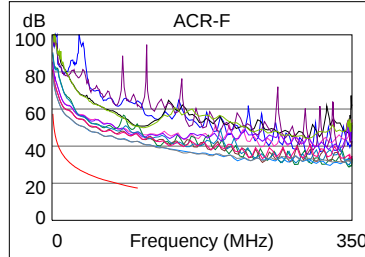
Insertion Loss Margin (dB)	[Pair 12]	22.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



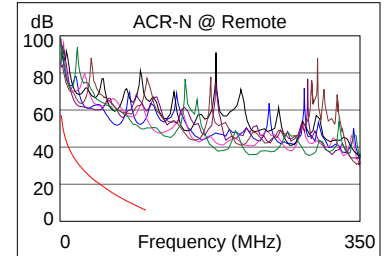
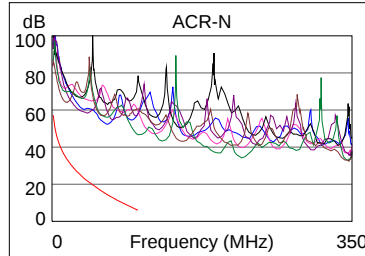
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	36-78
NEXT (dB)	18.5	19.9	18.5	21.0
Freq. (MHz)	99.8	65.8	99.8	96.4
Limit (dB)	30.1	33.2	30.1	30.4
Worst Pair	36	36	36	36
PS NEXT (dB)	20.8	21.7	20.8	22.1
Freq. (MHz)	99.8	65.8	99.8	95.8
Limit (dB)	27.1	30.2	27.1	27.4



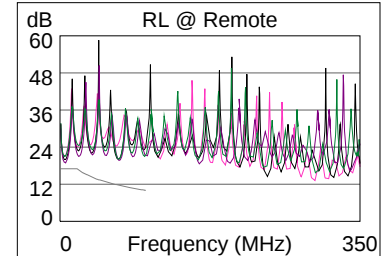
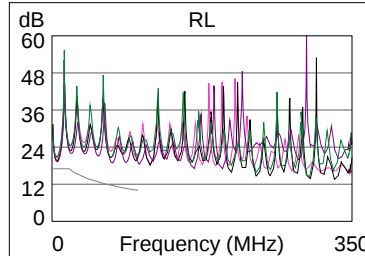
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-78	45-78	78-45	78-45
ACR-F (dB)	21.6	21.6	24.3	24.2
Freq. (MHz)	1.1	1.1	94.2	94.2
Limit (dB)	56.6	56.6	17.9	17.9
Worst Pair	78	78	45	45
PS ACR-F (dB)	22.5	23.0	25.3	25.3
Freq. (MHz)	1.1	1.0	93.6	94.8
Limit (dB)	53.6	54.4	15.0	14.8



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	45-78	36-78	36-78
ACR-N (dB)	26.3	27.1	40.7	43.2
Freq. (MHz)	1.0	1.8	99.8	97.6
Limit (dB)	57.0	56.2	6.1	6.5
Worst Pair	45	45	36	36
PS ACR-N (dB)	26.3	27.1	43.1	43.9
Freq. (MHz)	1.0	1.0	99.8	95.8
Limit (dB)	54.0	54.0	3.1	3.9



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45	45	45	45
RL (dB)	19.2	21.1	19.2	21.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-06

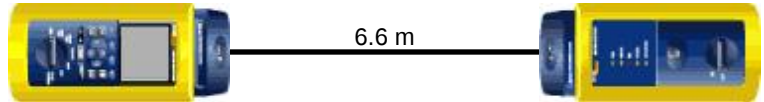
Test Summary: PASS

Date / Time: 08/05/2012 12:17:01
Headroom: 15.0 dB (NEXT 12-36)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

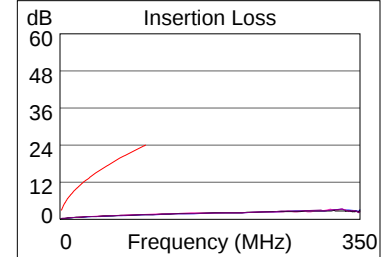
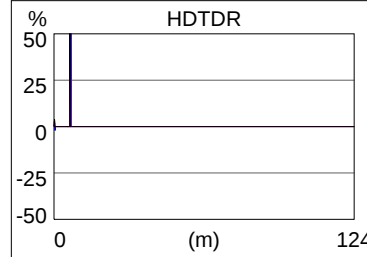
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

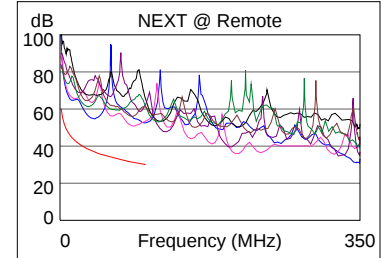
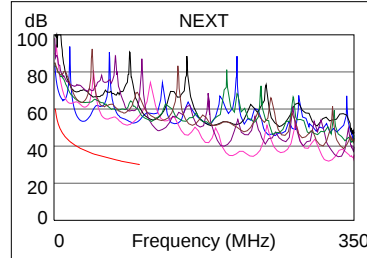


Length (m), Limit 100.0	[Pair 12]	6.6
Prop. Delay (ns), Limit 555	[Pair 36]	34
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)		N/A

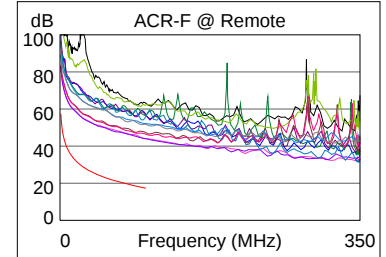
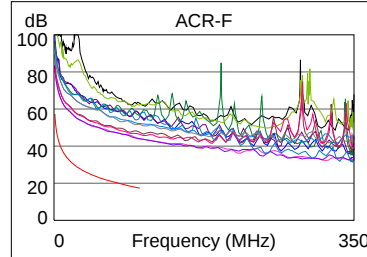
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



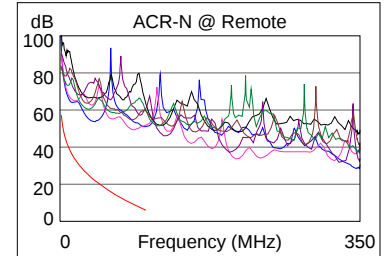
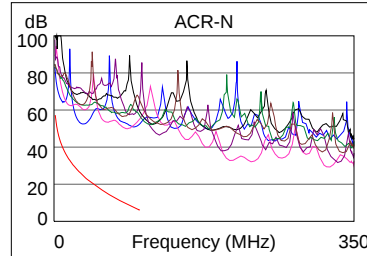
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-45
NEXT (dB)	15.0	17.5	20.1	19.7
Freq. (MHz)	32.8	36.8	86.0	87.4
Limit (dB)	38.4	37.6	31.2	31.1
Worst Pair	12	36	12	12
PS NEXT (dB)	17.3	19.6	21.4	21.2
Freq. (MHz)	32.8	36.2	89.0	87.4
Limit (dB)	35.4	34.7	27.9	28.1



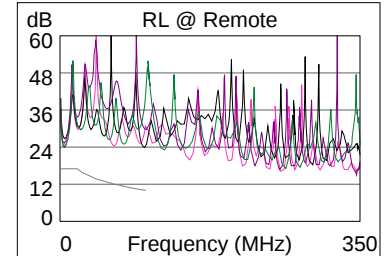
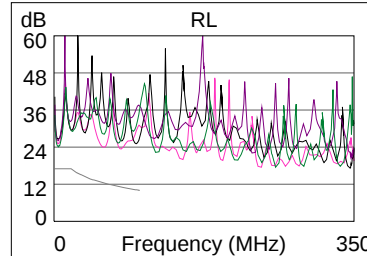
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	25.1	25.1	26.4	26.4
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	55.2	55.2	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	27.1	27.3	28.6	28.7
Freq. (MHz)	1.1	2.0	100.0	100.0
Limit (dB)	53.6	48.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-45	12-45
ACR-N (dB)	21.8	25.1	40.8	40.6
Freq. (MHz)	2.7	1.6	86.0	87.4
Limit (dB)	52.7	57.0	9.1	8.8
Worst Pair	36	78	12	12
PS ACR-N (dB)	23.8	25.8	42.5	42.2
Freq. (MHz)	1.8	1.6	89.0	87.4
Limit (dB)	53.2	54.0	5.4	5.8



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	27.1	24.3	27.1	24.3
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-07

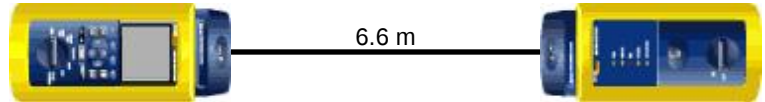
Test Summary: PASS

Date / Time: 08/05/2012 12:18:16
Headroom: 21.5 dB (NEXT 45-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

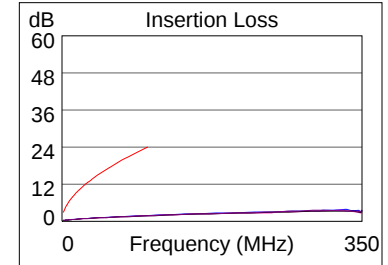
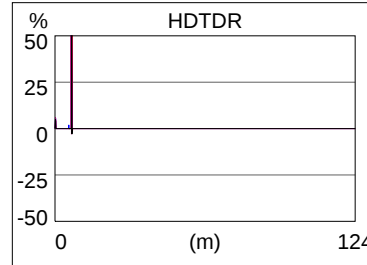
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

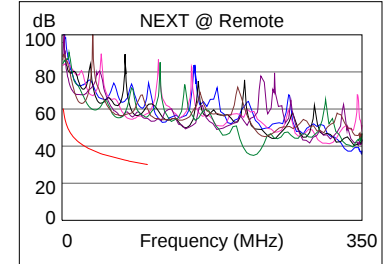
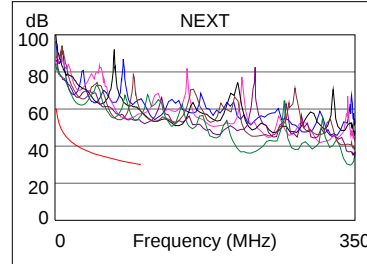


Length (m), Limit 100.0	[Pair 45]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	34
Delay Skew (ns), Limit 50	[Pair 12]	2
Resistance (ohms)		N/A

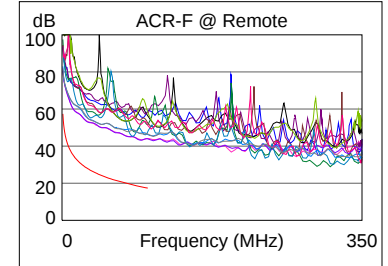
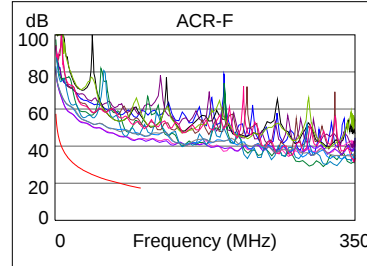
Insertion Loss Margin (dB)	[Pair 12]	22.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



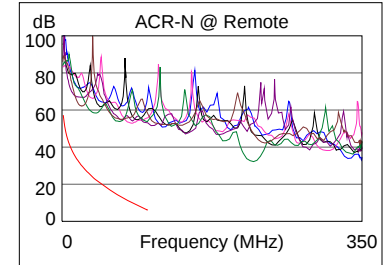
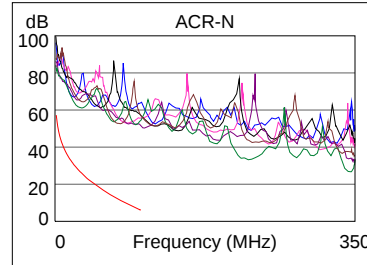
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	12-45
NEXT (dB)	21.7	21.5	23.3	23.0
Freq. (MHz)	75.2	21.0	100.0	82.6
Limit (dB)	32.3	41.7	30.1	31.5
Worst Pair	45	78	45	45
PS NEXT (dB)	21.5	22.0	22.0	22.6
Freq. (MHz)	76.0	64.6	83.4	82.4
Limit (dB)	29.2	30.4	28.4	28.5



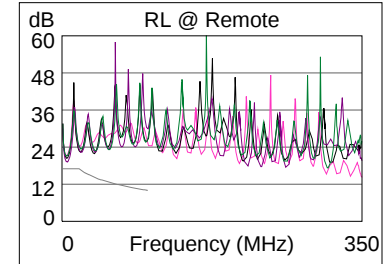
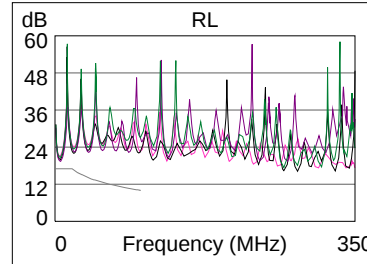
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	45-12	45-12
ACR-F (dB)	23.0	23.0	25.0	25.1
Freq. (MHz)	1.0	1.0	92.8	92.8
Limit (dB)	57.4	57.4	18.0	18.0
Worst Pair	45	45	45	45
PS ACR-F (dB)	23.5	23.6	26.4	25.8
Freq. (MHz)	1.3	1.2	93.2	94.8
Limit (dB)	52.2	52.8	15.0	14.8



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	12-45	36-45	12-45
ACR-N (dB)	24.5	25.7	45.6	43.1
Freq. (MHz)	1.6	1.5	100.0	82.6
Limit (dB)	57.0	57.0	6.0	9.8
Worst Pair	36	45	45	45
PS ACR-N (dB)	26.0	26.3	42.2	42.7
Freq. (MHz)	1.6	1.0	83.4	82.4
Limit (dB)	54.0	54.0	6.6	6.8



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	12	12	12
RL (dB)	22.5	25.3	22.5	25.3
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-08

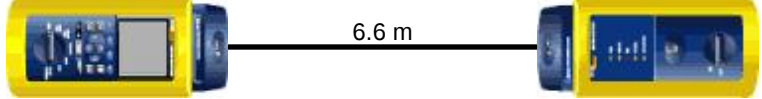
Test Summary: PASS

Date / Time: 08/05/2012 12:19:12
Headroom: 18.6 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

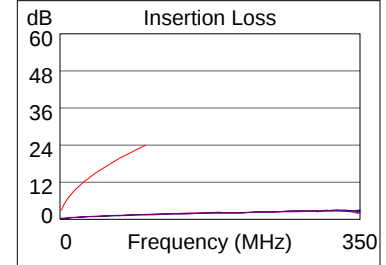
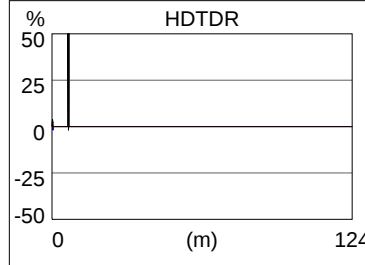
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

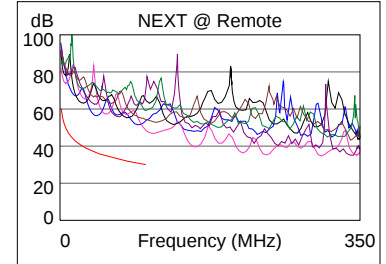
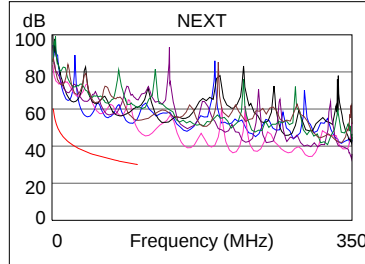


Length (m), Limit 100.0	[Pair 78]	6.6
Prop. Delay (ns), Limit 555	[Pair 36]	34
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)		N/A

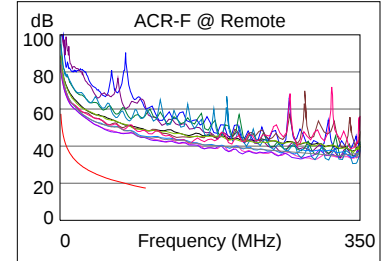
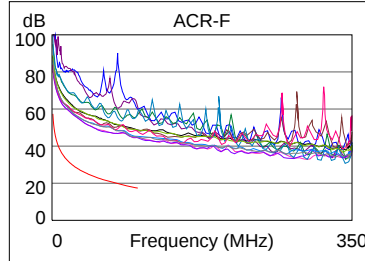
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



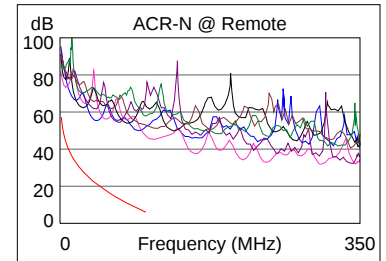
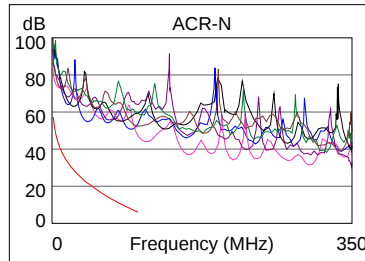
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	19.0	18.6	19.0	18.6
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	30.1	30.1	30.1	30.1
Worst Pair	45	12	45	12
PS NEXT (dB)	20.7	20.3	20.7	20.3
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	27.1	27.1	27.1	27.1



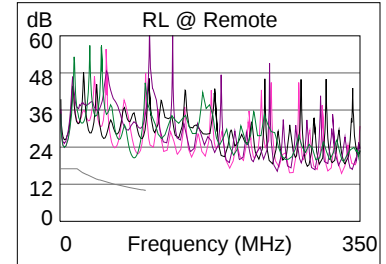
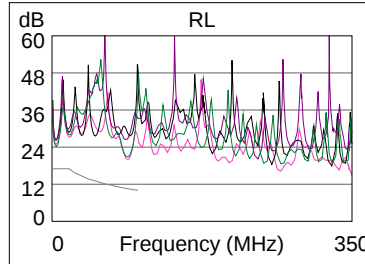
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	12-45	12-45
ACR-F (dB)	24.4	24.3	26.9	27.2
Freq. (MHz)	1.1	1.1	97.8	100.0
Limit (dB)	56.6	56.6	17.6	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	26.0	25.8	27.2	27.4
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	53.6	53.6	14.4	14.4



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	23.1	23.3	41.6	41.2
Freq. (MHz)	1.6	1.8	100.0	100.0
Limit (dB)	57.0	56.2	6.0	6.0
Worst Pair	45	12	45	12
PS ACR-N (dB)	24.3	25.4	43.3	42.9
Freq. (MHz)	1.6	1.8	100.0	100.0
Limit (dB)	54.0	53.2	3.0	3.0



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	27.1	31.1	27.1	31.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-09

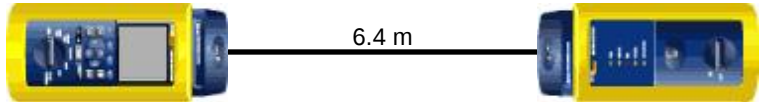
Test Summary: PASS

Date / Time: 08/05/2012 12:20:17
Headroom: 18.2 dB (NEXT 45-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

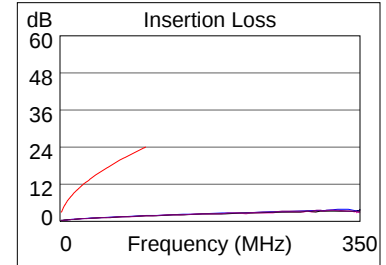
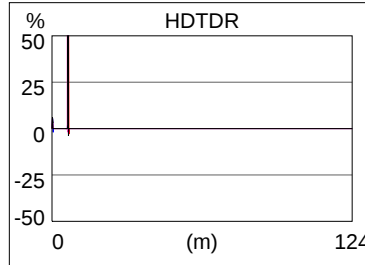
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

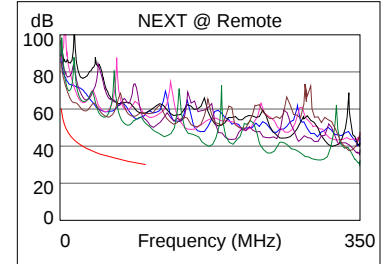
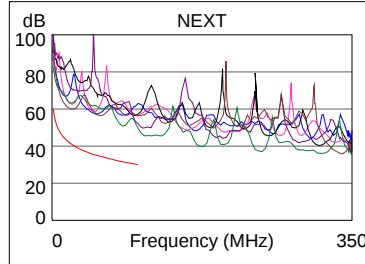


Length (m), Limit 100.0	[Pair 45]	6.4
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	2
Resistance (ohms)		N/A

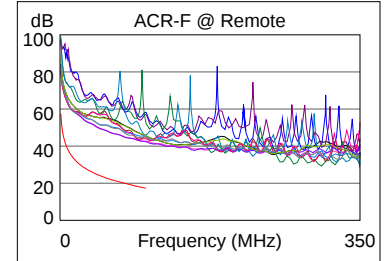
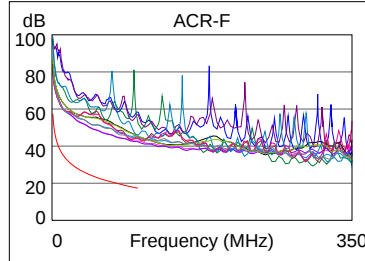
Insertion Loss Margin (dB)	[Pair 12]	22.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



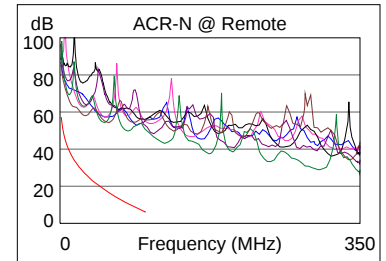
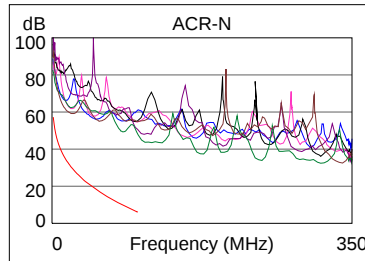
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	36-78	36-78
NEXT (dB)	18.2	19.4	19.9	19.5
Freq. (MHz)	16.6	80.0	100.0	80.2
Limit (dB)	43.4	31.8	30.1	31.7
Worst Pair	45	45	36	36
PS NEXT (dB)	19.5	20.5	20.7	22.2
Freq. (MHz)	20.7	28.4	100.0	99.8
Limit (dB)	38.8	36.5	27.1	27.1



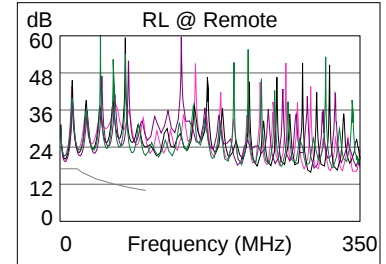
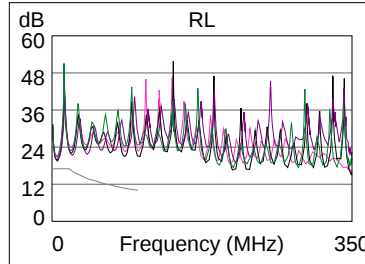
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78-36	78-36	45-12	45-12
ACR-F (dB)	21.6	21.6	25.0	25.1
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	57.4	57.4	17.4	17.4
Worst Pair	78	78	78	45
PS ACR-F (dB)	22.8	22.5	25.3	25.2
Freq. (MHz)	1.0	1.0	93.0	100.0
Limit (dB)	54.4	54.4	15.0	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	45-78	36-78	36-78
ACR-N (dB)	23.9	26.8	42.2	39.2
Freq. (MHz)	1.5	2.6	100.0	80.2
Limit (dB)	57.0	53.0	6.0	10.4
Worst Pair	36	45	36	36
PS ACR-N (dB)	25.8	27.7	43.1	44.5
Freq. (MHz)	1.5	1.7	100.0	99.8
Limit (dB)	54.0	53.6	3.0	3.1



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36	78	36	78
RL (dB)	21.2	21.3	21.2	21.3
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-10

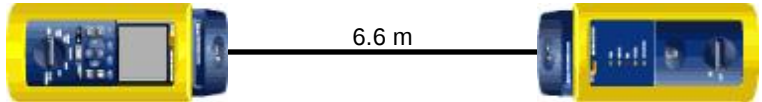
Test Summary: PASS

Date / Time: 08/05/2012 12:21:54
Headroom: 19.6 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

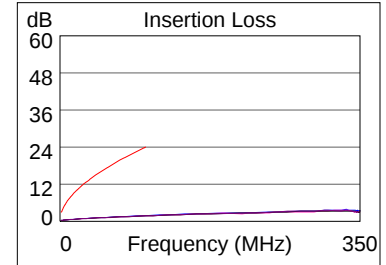
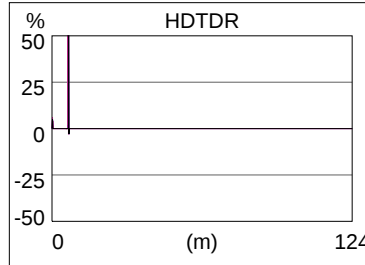
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

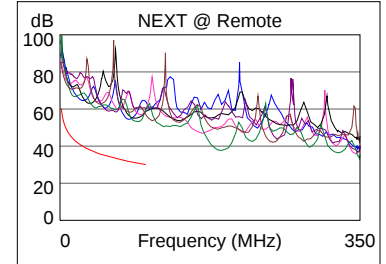
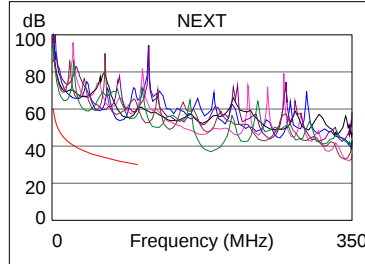


Length (m), Limit 100.0	[Pair 45]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

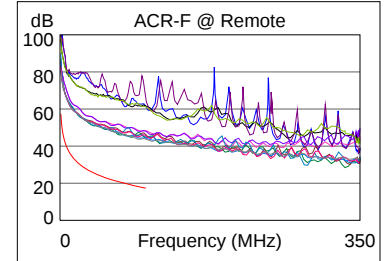
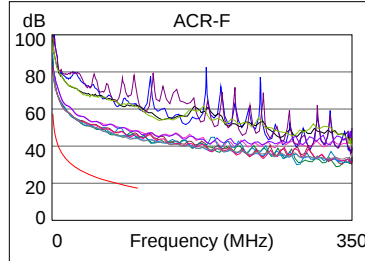
Insertion Loss Margin (dB)	[Pair 12]	22.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



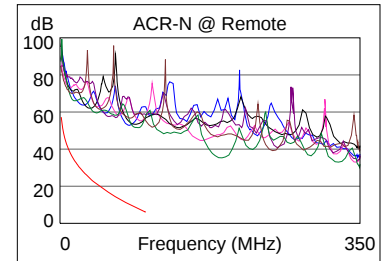
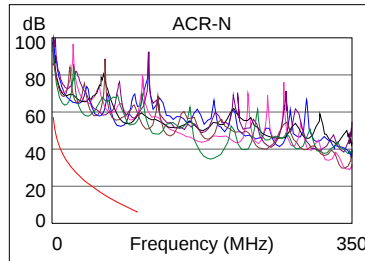
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-36	36-78
NEXT (dB)	19.6	22.4	22.2	22.5
Freq. (MHz)	11.6	90.4	81.2	92.2
Limit (dB)	46.0	30.8	31.6	30.7
Worst Pair	78	78	12	78
PS NEXT (dB)	20.3	22.4	23.5	22.8
Freq. (MHz)	11.0	85.4	85.2	90.4
Limit (dB)	43.4	28.2	28.2	27.8



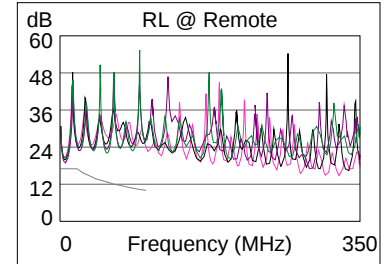
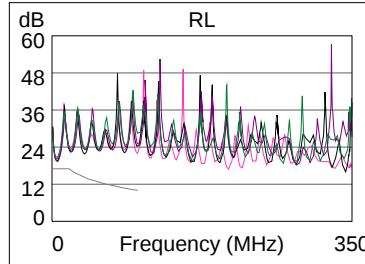
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78-45	78-45	78-45	78-45
ACR-F (dB)	22.9	22.9	25.8	25.8
Freq. (MHz)	1.0	1.0	94.0	94.0
Limit (dB)	57.4	57.4	17.9	17.9
Worst Pair	78	78	45	45
PS ACR-F (dB)	23.9	23.9	25.9	26.2
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	53.6	53.6	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	45-78	12-36	36-78
ACR-N (dB)	26.5	25.7	41.8	43.8
Freq. (MHz)	9.3	1.4	80.0	92.2
Limit (dB)	40.7	57.0	10.4	7.7
Worst Pair	78	45	12	78
PS ACR-N (dB)	27.1	26.2	43.8	43.8
Freq. (MHz)	9.4	1.3	85.2	90.4
Limit (dB)	37.6	54.0	6.2	5.1



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	12	12	12
RL (dB)	22.1	24.2	22.1	24.2
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-11

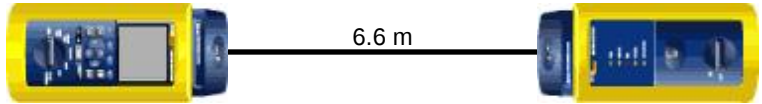
Test Summary: PASS

Date / Time: 08/05/2012 12:22:54
Headroom: 16.7 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

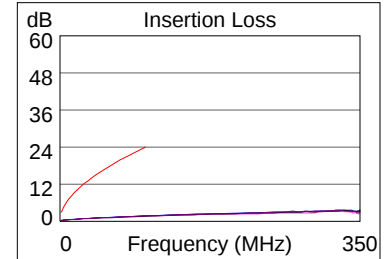
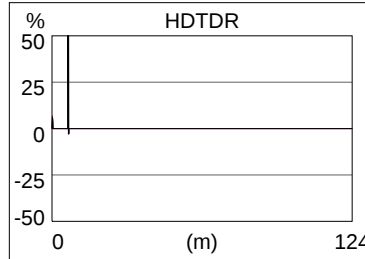
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

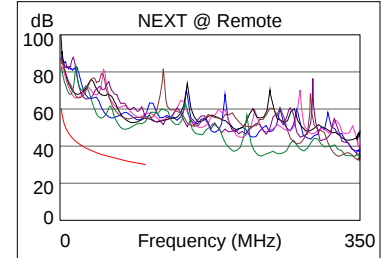
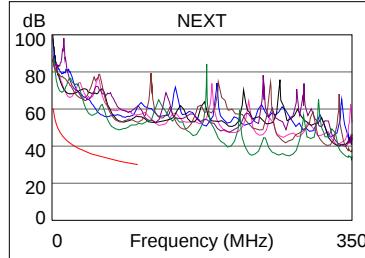


Length (m), Limit 100.0	[Pair 36]	6.6
Prop. Delay (ns), Limit 555	[Pair 12]	33
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

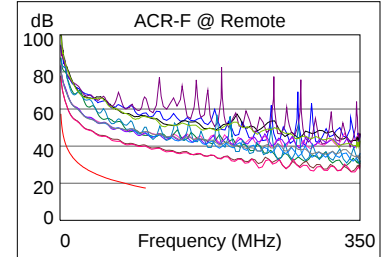
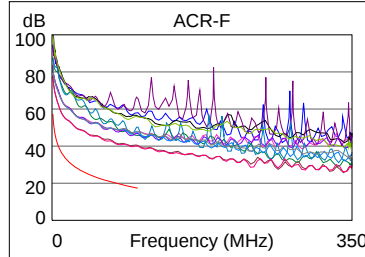
Insertion Loss Margin (dB)	[Pair 12]	22.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



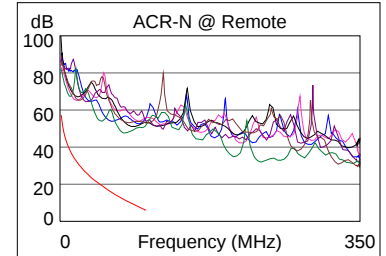
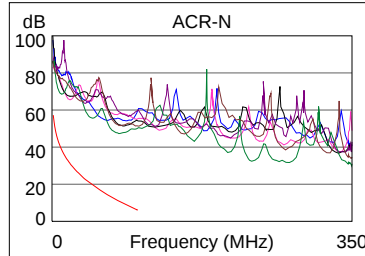
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	16.7	16.7	17.0	16.8
Freq. (MHz)	77.2	74.2	79.4	75.6
Limit (dB)	32.1	32.4	31.8	32.2
Worst Pair	78	78	78	78
PS NEXT (dB)	17.5	18.0	17.9	18.3
Freq. (MHz)	78.0	76.8	81.8	79.8
Limit (dB)	29.0	29.1	28.6	28.8



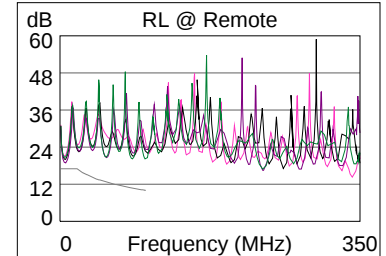
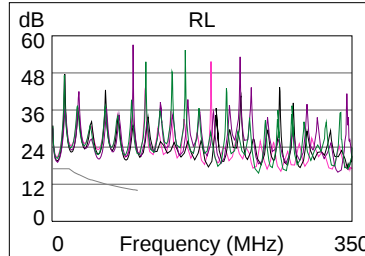
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	78-36	78-36
ACR-F (dB)	20.3	20.4	21.8	21.8
Freq. (MHz)	1.1	1.1	94.0	94.0
Limit (dB)	56.6	56.6	17.9	17.9
Worst Pair	78	78	36	78
PS ACR-F (dB)	22.2	22.4	23.9	24.0
Freq. (MHz)	1.1	1.0	94.0	94.0
Limit (dB)	53.6	54.4	14.9	14.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	36-78	36-78
ACR-N (dB)	25.7	24.7	36.7	36.0
Freq. (MHz)	1.0	1.6	79.4	75.6
Limit (dB)	57.0	57.0	10.6	11.5
Worst Pair	45	45	78	78
PS ACR-N (dB)	25.3	25.1	38.0	38.1
Freq. (MHz)	1.6	1.0	81.8	79.8
Limit (dB)	54.0	54.0	7.0	7.5



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	21.7	20.1	21.7	20.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-P-12

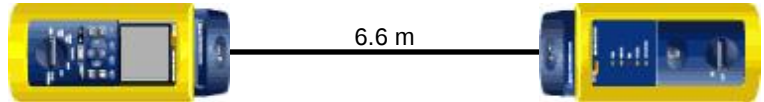
Test Summary: PASS

Date / Time: 08/05/2012 12:23:58
Headroom: 20.5 dB (NEXT 45-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

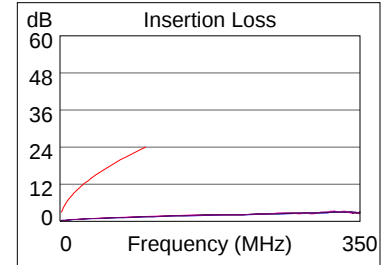
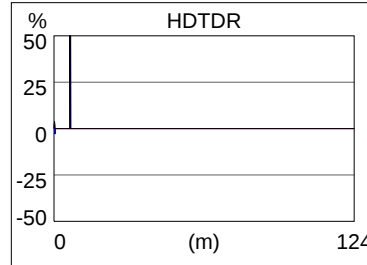
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

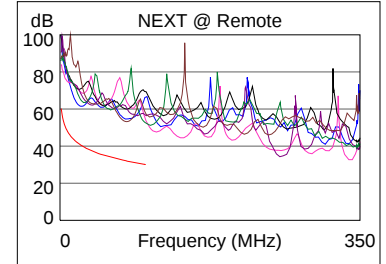
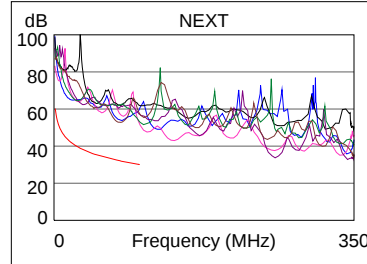


Length (m), Limit 100.0	[Pair 12]	6.6
Prop. Delay (ns), Limit 555	[Pair 36]	33
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)		N/A

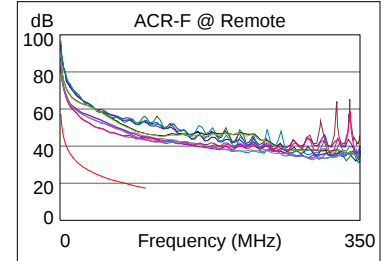
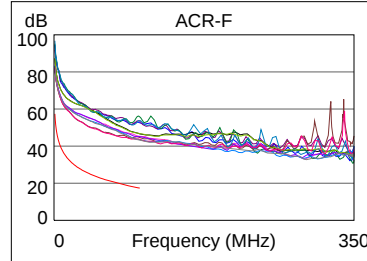
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



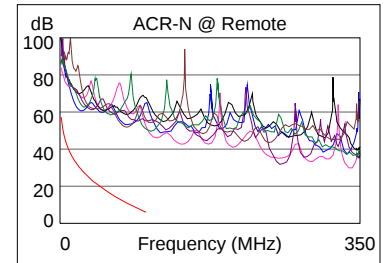
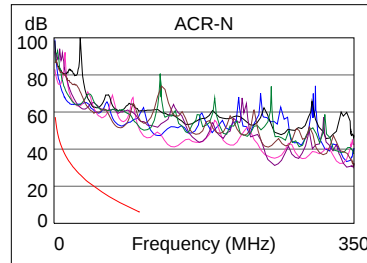
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	12-45	36-78
NEXT (dB)	20.5	20.7	21.6	22.4
Freq. (MHz)	75.6	23.4	100.0	100.0
Limit (dB)	32.2	40.9	30.1	30.1
Worst Pair	45	36	45	36
PS NEXT (dB)	21.8	21.6	22.6	23.9
Freq. (MHz)	79.0	25.8	100.0	100.0
Limit (dB)	28.9	37.2	27.1	27.1



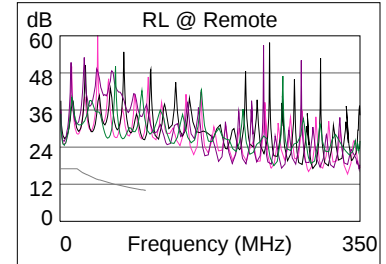
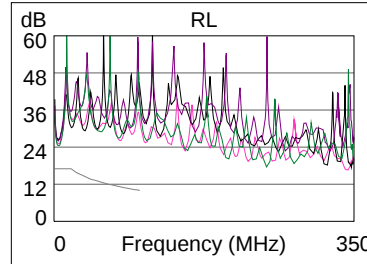
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-78	78-45	78-45
ACR-F (dB)	24.6	24.6	25.9	25.9
Freq. (MHz)	1.5	1.5	100.0	100.0
Limit (dB)	53.9	53.9	17.4	17.4
Worst Pair	78	78	78	78
PS ACR-F (dB)	24.4	24.3	25.5	25.1
Freq. (MHz)	1.1	1.0	100.0	100.0
Limit (dB)	53.6	54.4	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	12-45	36-78
ACR-N (dB)	24.3	25.8	44.2	45.0
Freq. (MHz)	2.2	1.7	100.0	100.0
Limit (dB)	54.5	56.6	6.0	6.0
Worst Pair	45	45	45	36
PS ACR-N (dB)	25.8	27.1	45.2	46.4
Freq. (MHz)	1.5	1.7	100.0	100.0
Limit (dB)	54.0	53.6	3.0	3.0



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	36	12	36
RL (dB)	33.2	27.1	33.2	27.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-E-1

Test Summary: PASS

Date / Time: 09/05/2012 15:42:59

Headroom: 9.5 dB (NEXT 45-78)

Test Limit: TIA Cat 5e Channel

Cable Type: UTP 100 Ohm Cat 5e

Fault Anomaly Threshold: 15%

Operator: PAUL HERRING

Software Version: 4.925

Limits Version: 5.17

NVP: 69.0%

Shield Test: N/A

Model: DSP-4100

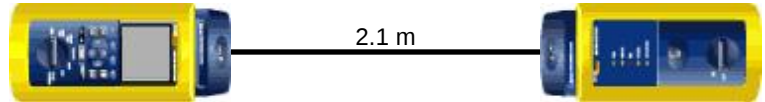
Main S/N: 7840025

Remote S/N: 7840025

Main Adapter: LIA 012

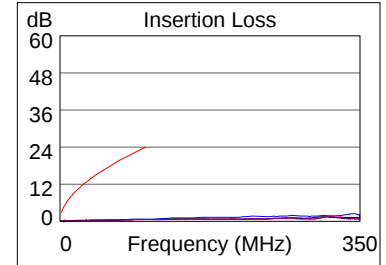
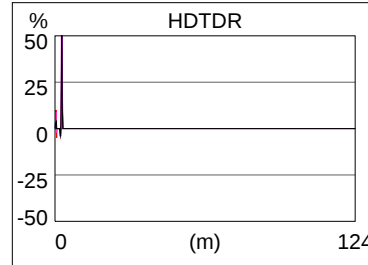
Remote Adapter: LIA 012

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

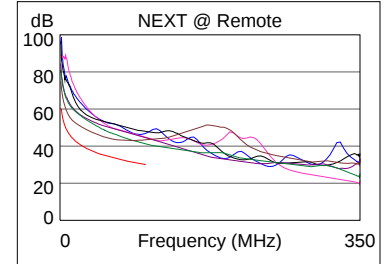
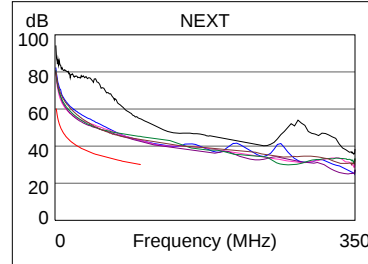


Length (m), Limit 100.0	[Pair 12]	2.1
Prop. Delay (ns), Limit 555	[Pair 12]	10
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

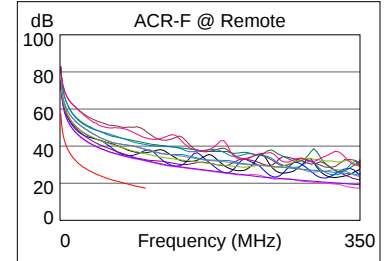
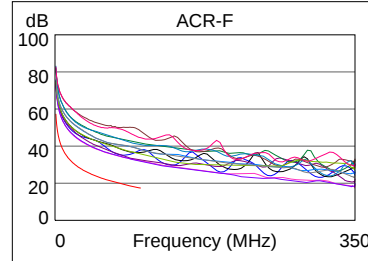
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



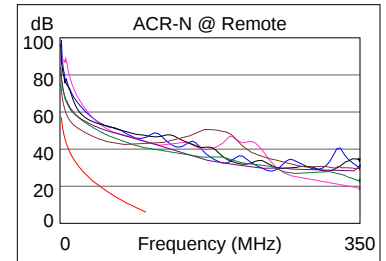
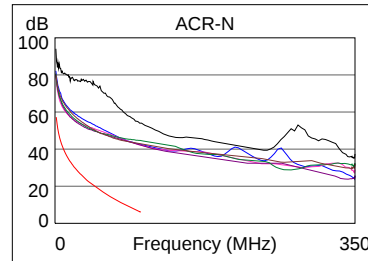
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	36-78
NEXT (dB)	12.4	9.5	12.4	11.1
Freq. (MHz)	99.8	15.3	99.8	100.0
Limit (dB)	30.1	44.0	30.1	30.1
Worst Pair	45	78	45	78
PS NEXT (dB)	11.0	10.8	11.0	11.5
Freq. (MHz)	99.8	72.4	99.8	100.0
Limit (dB)	27.1	29.6	27.1	27.1



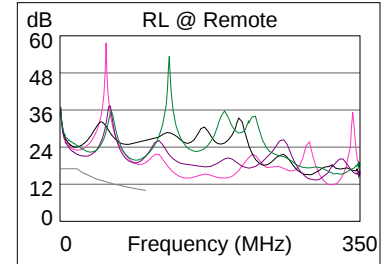
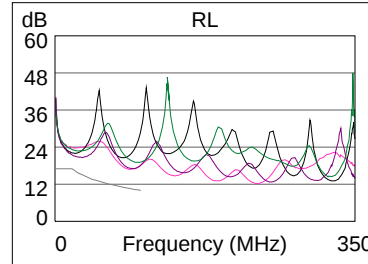
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	12-45	45-12	45-12
ACR-F (dB)	14.2	14.3	14.2	14.4
Freq. (MHz)	100.0	75.6	100.0	100.0
Limit (dB)	17.4	19.9	17.4	17.4
Worst Pair	12	12	12	12
PS ACR-F (dB)	13.7	14.0	13.7	15.4
Freq. (MHz)	100.0	80.8	100.0	100.0
Limit (dB)	14.4	16.3	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	36-45	36-78
ACR-N (dB)	18.6	14.3	35.8	34.6
Freq. (MHz)	2.2	1.7	99.8	100.0
Limit (dB)	54.5	56.6	6.1	6.0
Worst Pair	45	78	45	78
PS ACR-N (dB)	18.1	16.2	34.4	35.0
Freq. (MHz)	1.7	1.7	99.8	100.0
Limit (dB)	53.6	53.6	3.1	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	18.1	19.0	18.1	19.0
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T ATM-25
ATM-155 100VG-AnyLan
TR-16 Active TR-16 Passive

100BASE-T4
ATM-51
TR-4



Cable ID: TC-FIN-01

Test Summary: PASS

Date / Time: 10/05/2012 09:37:10

Headroom: 8.0 dB (NEXT 36-45)

Test Limit: TIA Cat 5e Channel

Cable Type: UTP 100 Ohm Cat 5e

Fault Anomaly Threshold: 15%

Operator: PAUL HERRING

Software Version: 4.925

Limits Version: 5.17

NVP: 69.0%

Shield Test: N/A

Model: DSP-4100

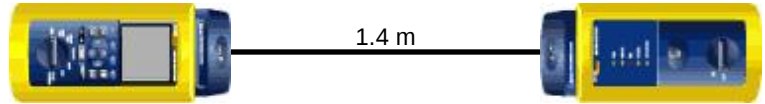
Main S/N: 7840025

Remote S/N: 7840025

Main Adapter: LIA 012

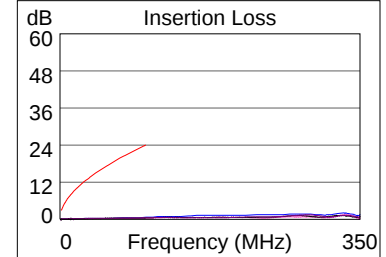
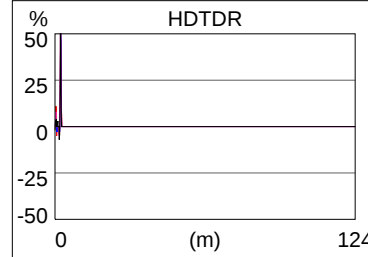
Remote Adapter: LIA 012

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

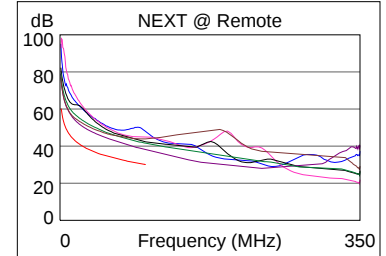
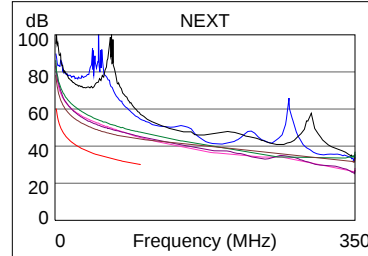


Length (m), Limit 100.0	[Pair 45]	1.4
Prop. Delay (ns), Limit 555	[Pair 12]	8
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

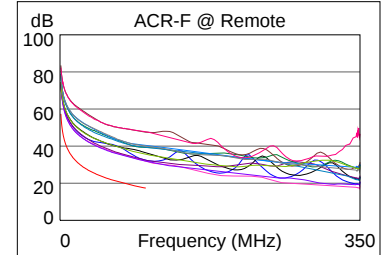
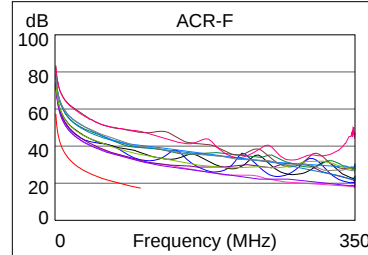
Insertion Loss Margin (dB)	[Pair 12]	23.4
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



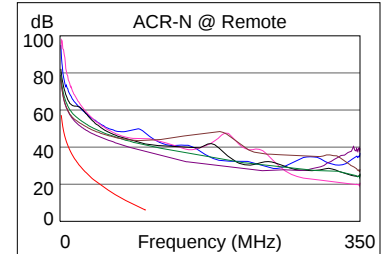
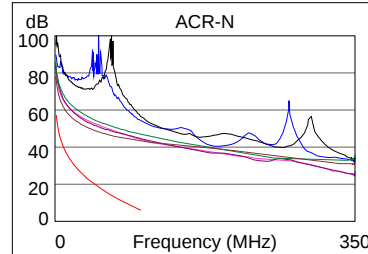
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
NEXT (dB)	13.2	8.0	13.5	8.0
Freq. (MHz)	86.0	100.0	100.0	100.0
Limit (dB)	31.2	30.1	30.1	30.1
Worst Pair	45	36	45	36
PS NEXT (dB)	12.5	9.1	12.5	9.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	27.1	27.1	27.1	27.1



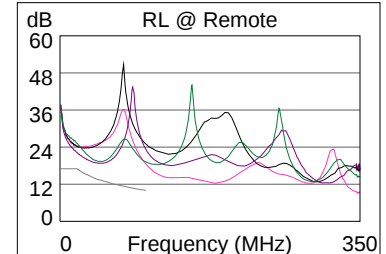
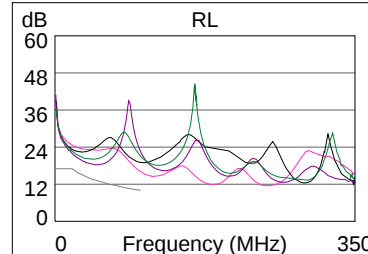
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	14.1	14.0	14.1	14.0
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	17.4	17.4	17.4	17.4
Worst Pair	12	12	12	12
PS ACR-F (dB)	13.7	13.8	13.7	13.8
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	14.4	14.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45	45-78	36-45
ACR-N (dB)	18.3	16.4	37.1	31.6
Freq. (MHz)	1.8	1.9	100.0	100.0
Limit (dB)	56.2	55.8	6.0	6.0
Worst Pair	45	45	45	36
PS ACR-N (dB)	19.1	16.6	36.1	32.8
Freq. (MHz)	2.2	1.9	100.0	100.0
Limit (dB)	51.5	52.8	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	16.0	18.7	16.0	18.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T ATM-25
ATM-155 100VG-AnyLan
TR-16 Active TR-16 Passive

100BASE-T4
ATM-51
TR-4



Cable ID: TC-FIN-03

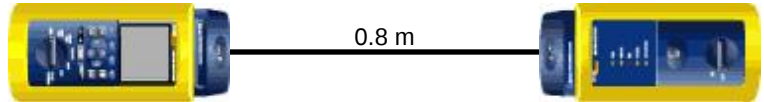
Test Summary: PASS

Date / Time: 10/05/2012 09:59:27
Headroom: 21.7 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

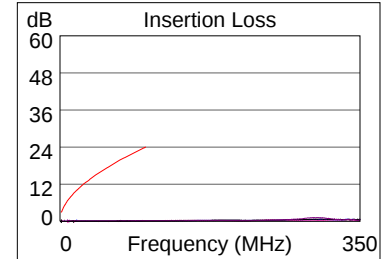
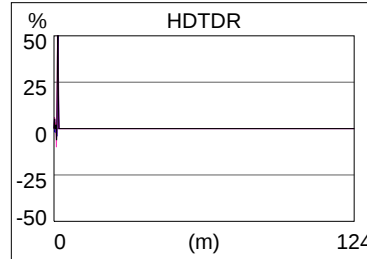
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

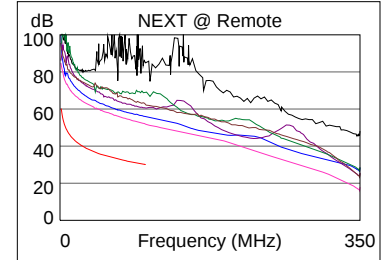
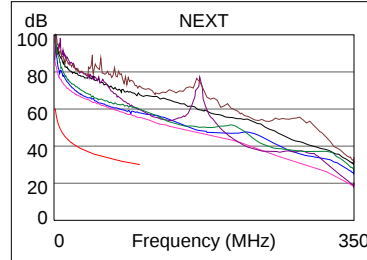


Length (m), Limit 100.0	[Pair 12]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	4
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

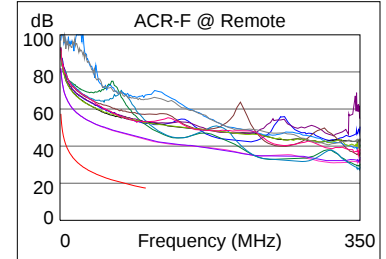
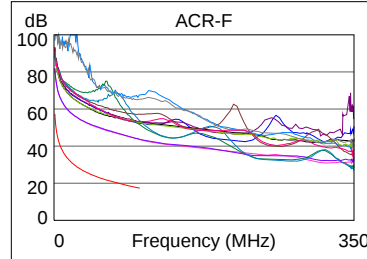
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



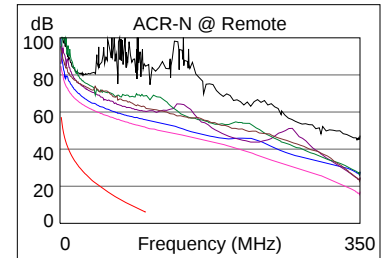
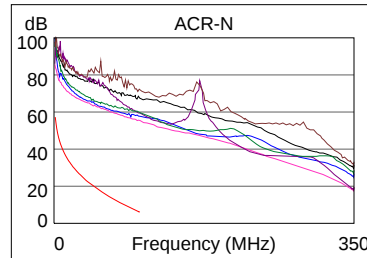
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	23.8	21.7	25.2	21.7
Freq. (MHz)	1.5	100.0	99.6	100.0
Limit (dB)	60.0	30.1	30.1	30.1
Worst Pair	45	12	12	12
PS NEXT (dB)	25.6	23.3	26.1	23.3
Freq. (MHz)	1.5	100.0	99.4	100.0
Limit (dB)	57.0	27.1	27.1	27.1



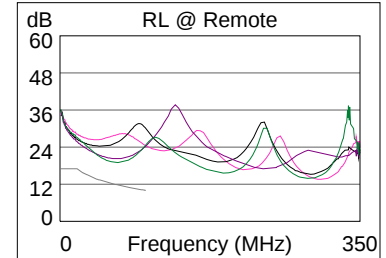
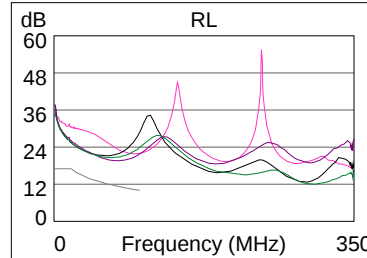
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-F (dB)	24.2	24.2	26.0	26.0
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	55.2	55.2	17.4	17.4
Worst Pair	12	12	12	12
PS ACR-F (dB)	26.6	26.5	28.3	28.1
Freq. (MHz)	2.1	1.0	100.0	100.0
Limit (dB)	48.0	54.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	26.8	25.8	49.0	45.6
Freq. (MHz)	1.5	1.7	99.6	100.0
Limit (dB)	57.0	56.6	6.1	6.0
Worst Pair	45	45	12	12
PS ACR-N (dB)	28.6	27.5	49.8	47.2
Freq. (MHz)	1.5	1.7	99.4	100.0
Limit (dB)	54.0	53.6	3.2	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	21.7	24.2	21.7	24.2
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-04

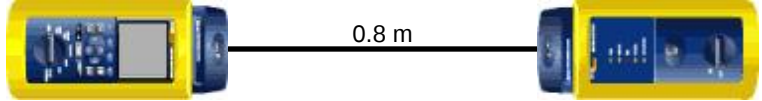
Test Summary: PASS

Date / Time: 10/05/2012 10:03:51
Headroom: 17.7 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

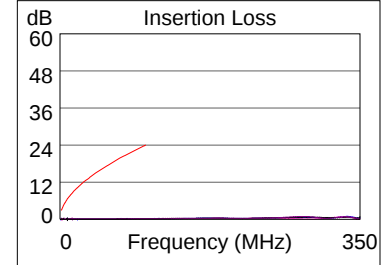
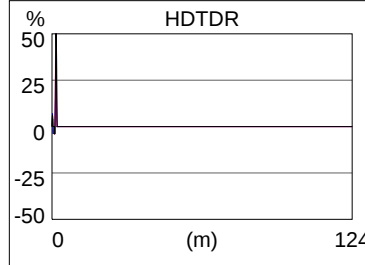
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

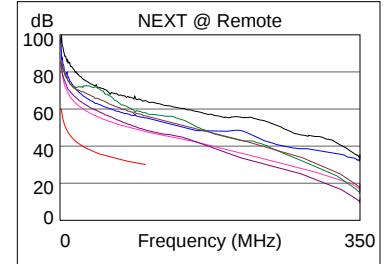
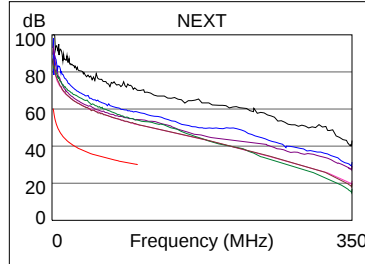


Length (m), Limit 100.0	[Pair 45]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	5
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

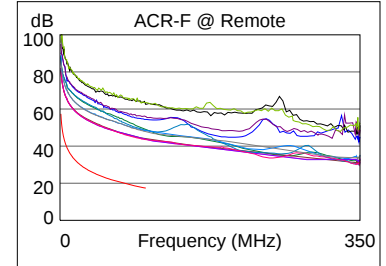
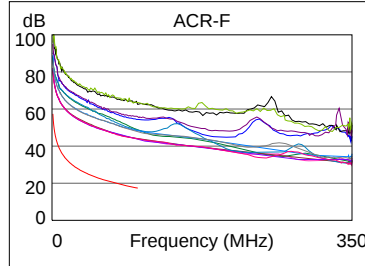
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



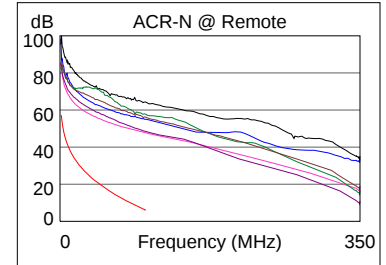
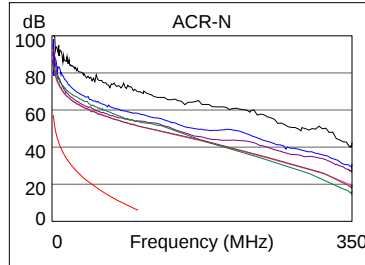
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	45-78	12-45
NEXT (dB)	20.9	17.7	21.4	17.7
Freq. (MHz)	2.3	100.0	99.4	100.0
Limit (dB)	57.5	30.1	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	20.4	17.8	20.5	17.8
Freq. (MHz)	97.4	100.0	100.0	100.0
Limit (dB)	27.3	27.1	27.1	27.1



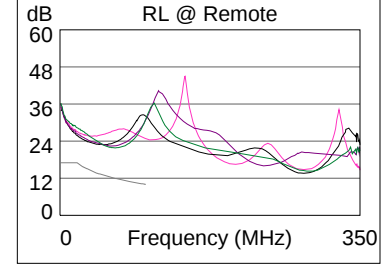
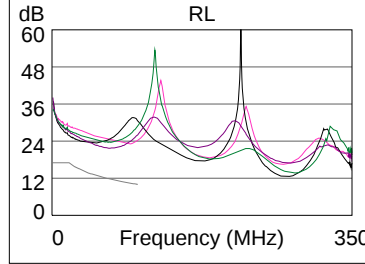
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	45-12	45-12
ACR-F (dB)	22.8	22.8	25.9	25.9
Freq. (MHz)	1.0	1.0	99.8	99.8
Limit (dB)	57.4	57.4	17.4	17.4
Worst Pair	36	78	45	45
PS ACR-F (dB)	24.8	24.8	26.9	26.8
Freq. (MHz)	1.0	1.0	100.0	99.8
Limit (dB)	54.4	54.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	45-78	12-45
ACR-N (dB)	24.2	24.3	45.1	41.6
Freq. (MHz)	2.2	2.2	99.4	100.0
Limit (dB)	54.5	54.5	6.2	6.0
Worst Pair	12	36	45	45
PS ACR-N (dB)	24.8	23.8	44.4	41.7
Freq. (MHz)	2.2	2.2	100.0	100.0
Limit (dB)	51.5	51.5	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	24.2	24.7	24.2	24.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-05

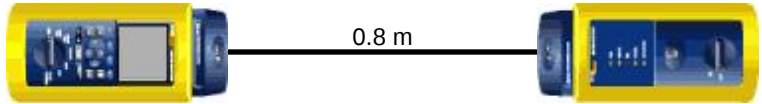
Test Summary: PASS

Date / Time: 10/05/2012 10:09:07
Headroom: 17.1 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

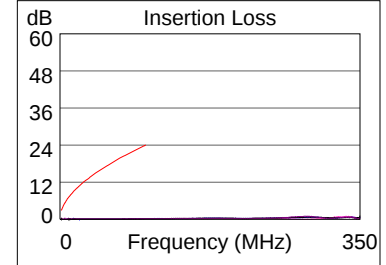
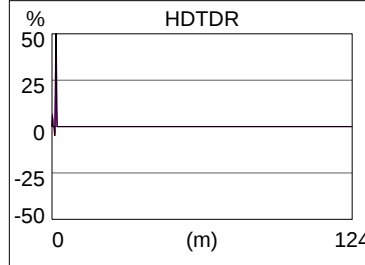
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

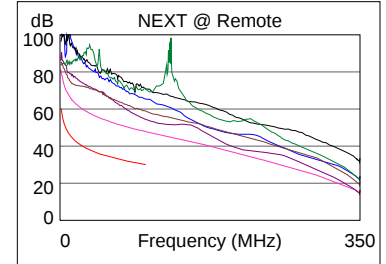
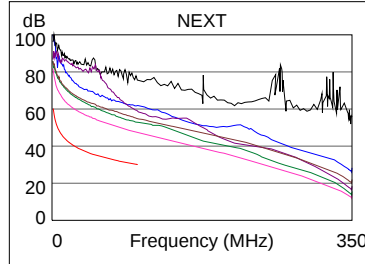


Length (m), Limit 100.0	[Pair 45]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	5
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

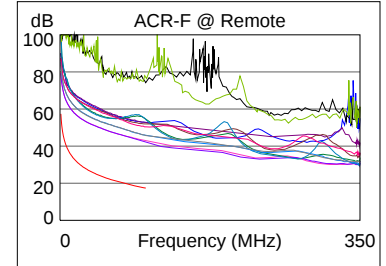
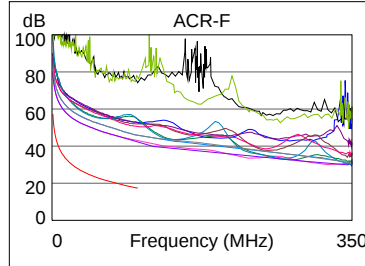
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



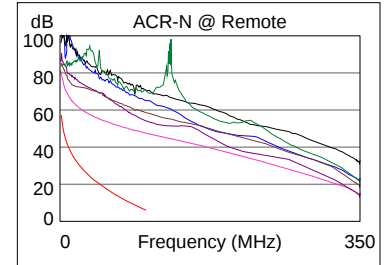
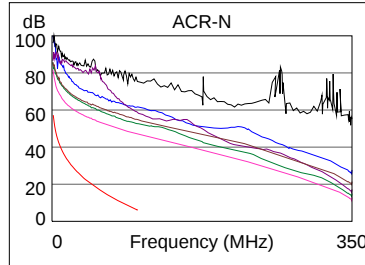
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	17.1	17.6	17.1	17.6
Freq. (MHz)	99.8	99.8	99.8	99.8
Limit (dB)	30.1	30.1	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	19.1	19.5	19.1	19.5
Freq. (MHz)	99.8	99.8	99.8	99.8
Limit (dB)	27.1	27.1	27.1	27.1



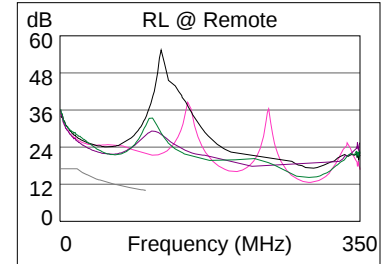
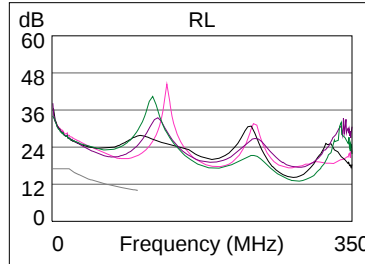
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	21.7	21.7	24.1	24.1
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	56.6	56.6	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	24.0	23.6	26.5	25.6
Freq. (MHz)	1.5	1.1	100.0	100.0
Limit (dB)	50.9	53.6	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	22.9	22.7	40.9	41.4
Freq. (MHz)	1.6	1.8	99.8	99.8
Limit (dB)	57.0	56.2	6.1	6.1
Worst Pair	45	45	45	45
PS ACR-N (dB)	24.4	24.2	42.9	43.3
Freq. (MHz)	1.6	1.6	99.8	99.8
Limit (dB)	54.0	54.0	3.1	3.1



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	12	12	12
RL (dB)	21.3	21.6	21.3	21.6
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-06

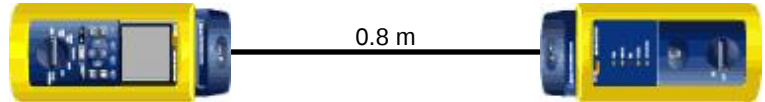
Test Summary: PASS

Date / Time: 10/05/2012 10:13:00
Headroom: 18.5 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

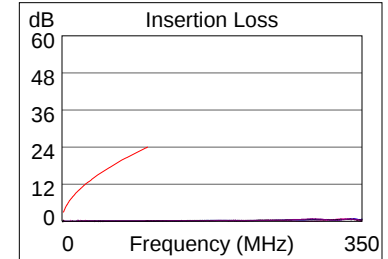
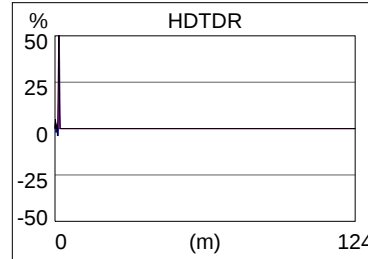
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

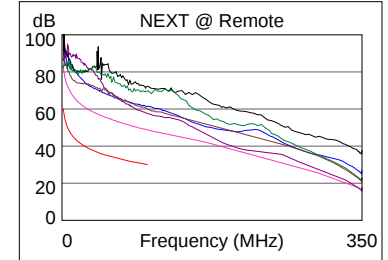
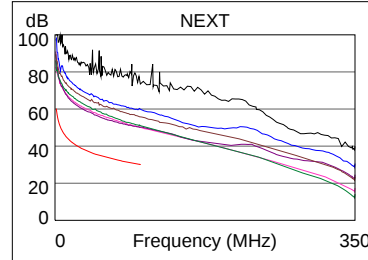


Length (m), Limit 100.0	[Pair 12]	0.8
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)		N/A

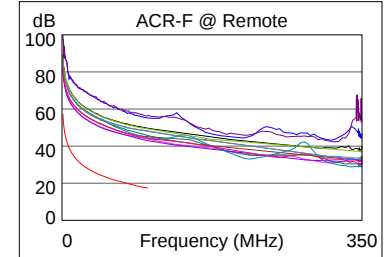
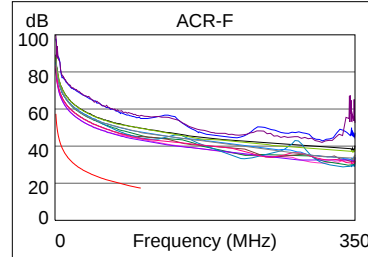
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



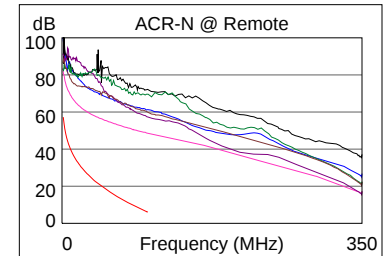
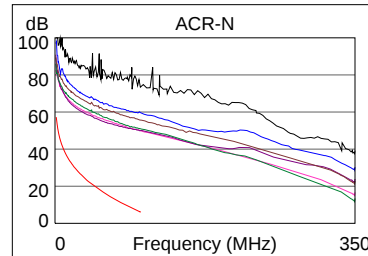
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	19.8	18.5	19.8	18.6
Freq. (MHz)	99.8	97.4	99.8	100.0
Limit (dB)	30.1	30.3	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	19.3	20.7	19.3	20.8
Freq. (MHz)	99.8	97.6	99.8	100.0
Limit (dB)	27.1	27.3	27.1	27.1



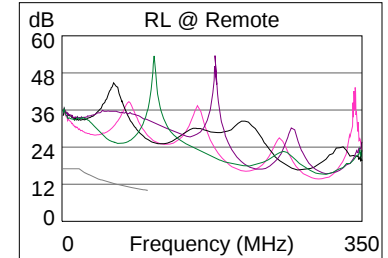
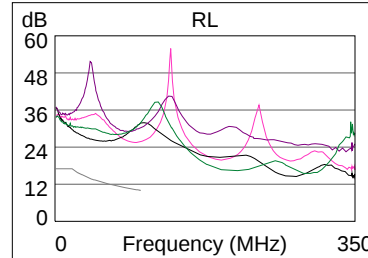
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	23.7	23.7	25.6	25.6
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	57.4	57.4	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	24.9	24.3	26.1	25.4
Freq. (MHz)	1.3	1.0	100.0	100.0
Limit (dB)	52.2	54.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-45	12-45
ACR-N (dB)	24.5	24.2	43.6	42.5
Freq. (MHz)	1.8	1.8	99.8	100.0
Limit (dB)	56.2	56.2	6.1	6.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	25.1	26.2	43.1	44.7
Freq. (MHz)	1.8	1.8	99.8	100.0
Limit (dB)	53.2	53.2	3.1	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	36	12	36
RL (dB)	25.7	26.5	25.7	26.5
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-07

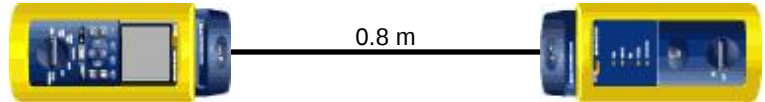
Test Summary: PASS

Date / Time: 10/05/2012 10:16:13
Headroom: 19.6 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

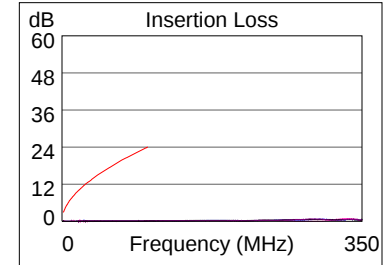
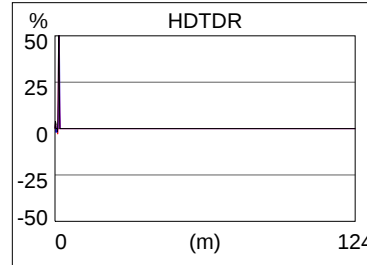
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

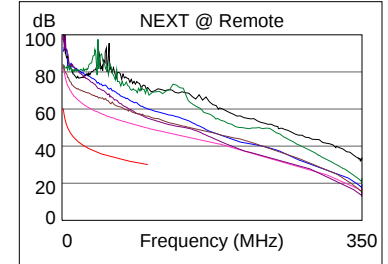
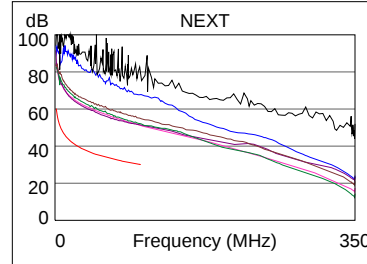


Length (m), Limit 100.0	[Pair 12]	0.8
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)		N/A

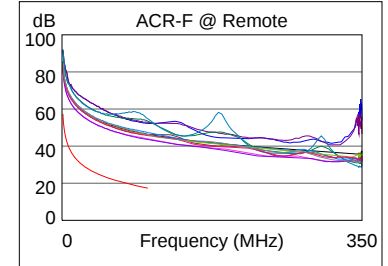
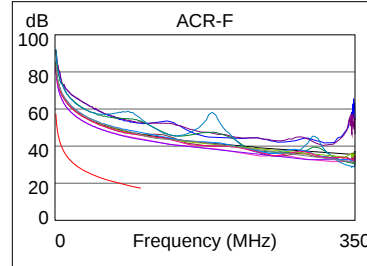
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



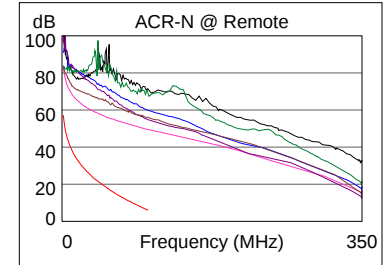
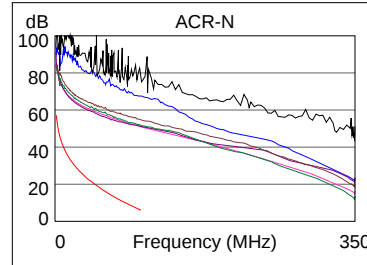
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	21.1	19.6	21.1	19.6
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	30.1	30.1	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	20.3	20.7	20.3	20.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	27.1	27.1	27.1	27.1



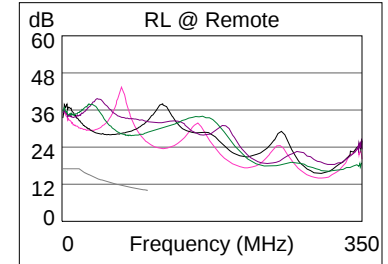
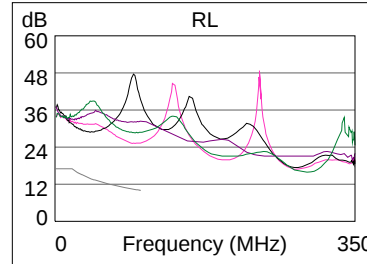
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	23.8	23.8	25.9	25.9
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	56.6	56.6	17.4	17.4
Worst Pair	12	78	12	78
PS ACR-F (dB)	24.7	24.8	26.7	26.7
Freq. (MHz)	1.1	1.0	100.0	99.8
Limit (dB)	53.6	54.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
ACR-N (dB)	25.2	24.3	45.0	43.5
Freq. (MHz)	1.6	1.6	100.0	100.0
Limit (dB)	57.0	57.0	6.0	6.0
Worst Pair	45	78	45	45
PS ACR-N (dB)	24.9	24.2	44.2	44.6
Freq. (MHz)	1.6	1.6	100.0	100.0
Limit (dB)	54.0	54.0	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	25.3	25.4	25.3	25.4
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-08

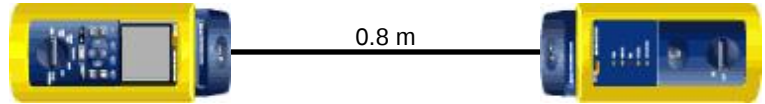
Test Summary: PASS

Date / Time: 10/05/2012 10:21:27
Headroom: 21.3 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

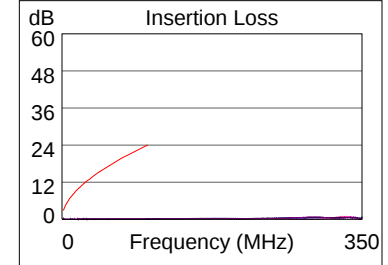
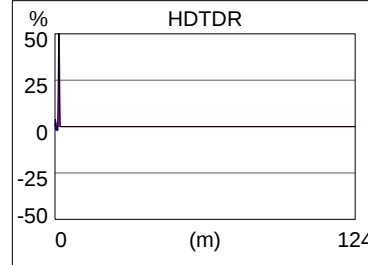
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

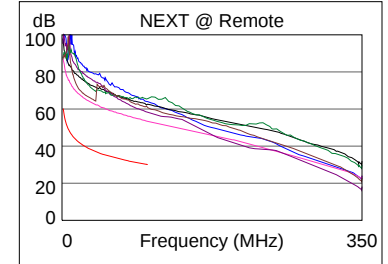
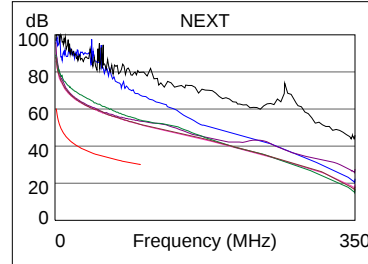


Length (m), Limit 100.0	[Pair 12]	0.8
Prop. Delay (ns), Limit 555	[Pair 36]	5
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)		N/A

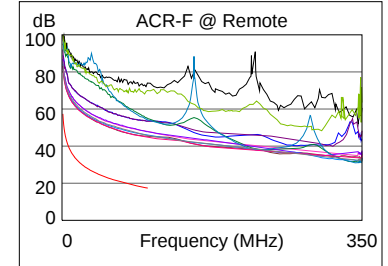
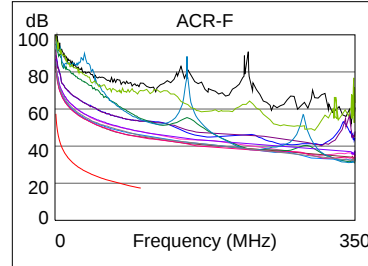
Insertion Loss Margin (dB)	[Pair 45]	23.8
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	24.0



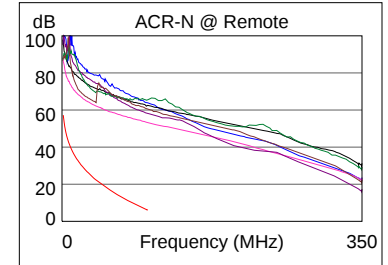
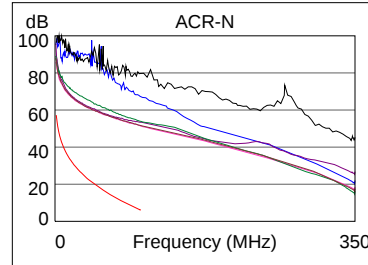
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	21.3	23.2	21.3	23.2
Freq. (MHz)	99.8	100.0	99.8	100.0
Limit (dB)	30.1	30.1	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	20.2	24.4	20.2	24.4
Freq. (MHz)	99.8	100.0	99.8	100.0
Limit (dB)	27.1	27.1	27.1	27.1



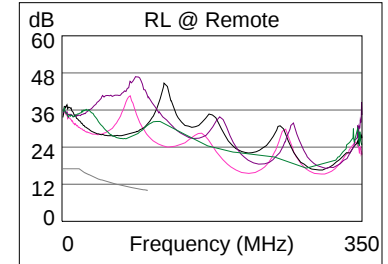
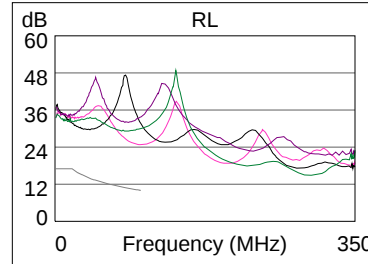
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-78	78-36	78-36
ACR-F (dB)	25.2	25.2	27.1	27.1
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	56.6	56.6	17.4	17.4
Worst Pair	78	78	78	78
PS ACR-F (dB)	26.3	26.4	28.2	27.6
Freq. (MHz)	1.1	1.1	100.0	100.0
Limit (dB)	53.6	53.6	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	27.3	28.0	45.2	47.1
Freq. (MHz)	1.3	1.7	99.8	100.0
Limit (dB)	57.0	56.6	6.1	6.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	27.6	29.1	44.1	48.3
Freq. (MHz)	2.1	1.7	99.8	100.0
Limit (dB)	51.9	53.6	3.1	3.0



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	12	12	12
RL (dB)	24.7	27.7	24.7	27.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-09

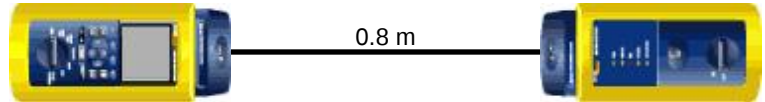
Test Summary: PASS

Date / Time: 10/05/2012 10:24:49
Headroom: 18.2 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

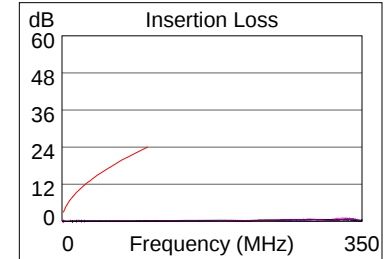
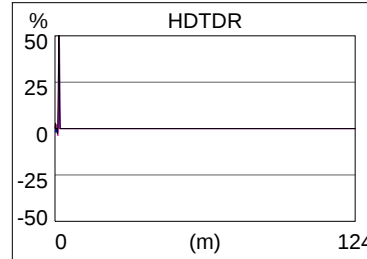
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

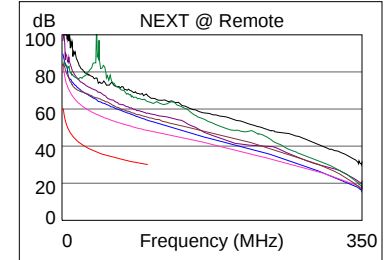
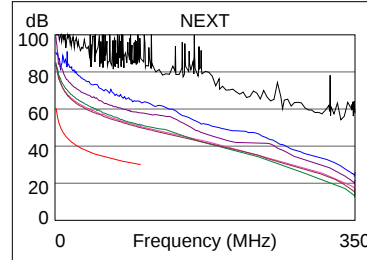


Length (m), Limit 100.0	[Pair 45]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	5
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

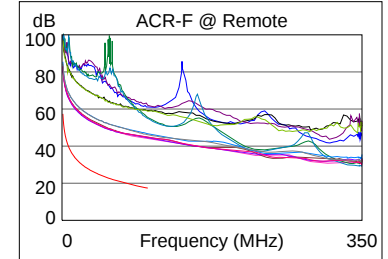
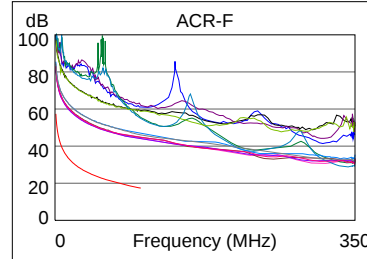
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



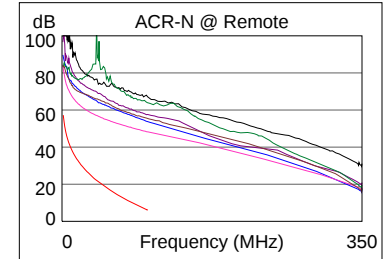
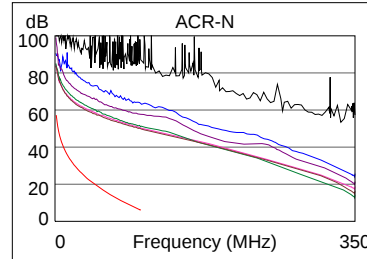
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-45	45-78	12-45
NEXT (dB)	19.9	18.2	19.9	18.3
Freq. (MHz)	100.0	97.6	100.0	100.0
Limit (dB)	30.1	30.3	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	19.7	20.0	19.7	20.1
Freq. (MHz)	100.0	97.6	100.0	100.0
Limit (dB)	27.1	27.3	27.1	27.1



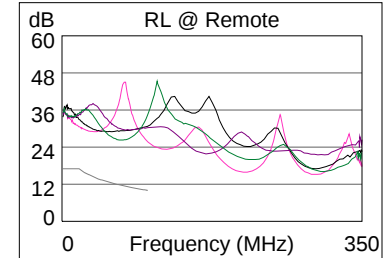
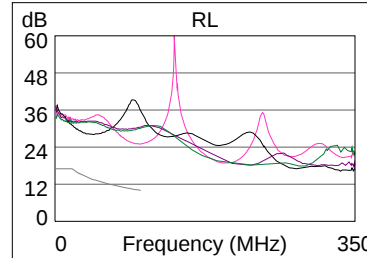
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	23.7	23.7	26.1	26.1
Freq. (MHz)	1.0	1.0	99.6	99.6
Limit (dB)	57.4	57.4	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	25.5	25.3	27.1	27.2
Freq. (MHz)	1.0	1.0	99.6	99.6
Limit (dB)	54.4	54.4	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-78	12-45	45-78	12-45
ACR-N (dB)	25.3	24.7	43.9	42.2
Freq. (MHz)	2.2	1.7	100.0	100.0
Limit (dB)	54.5	56.6	6.0	6.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	25.8	25.5	43.6	44.0
Freq. (MHz)	1.8	1.7	100.0	100.0
Limit (dB)	53.2	53.6	3.0	3.0



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	12	12	12
RL (dB)	25.0	25.7	25.0	25.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-10

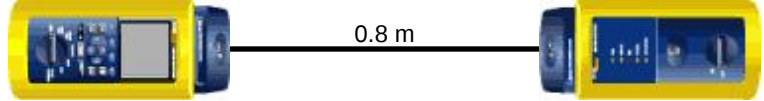
Test Summary: PASS

Date / Time: 10/05/2012 10:28:28
Headroom: 19.9 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

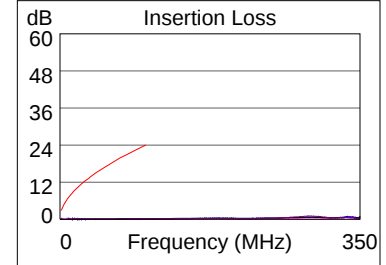
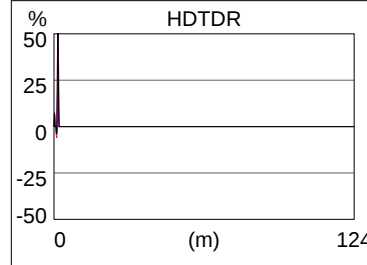
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

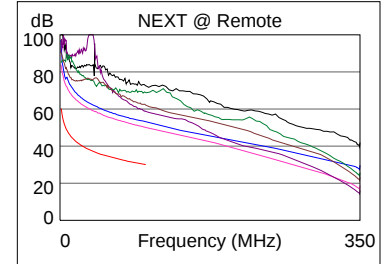
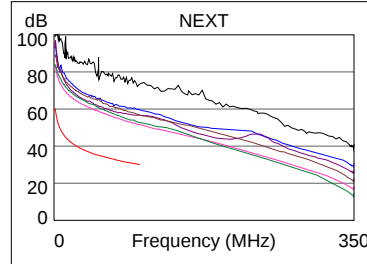


Length (m), Limit 100.0	[Pair 45]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	5
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

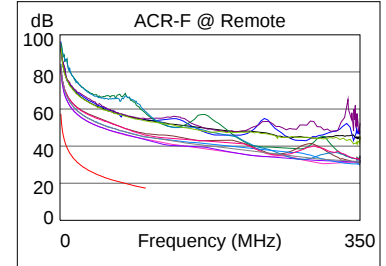
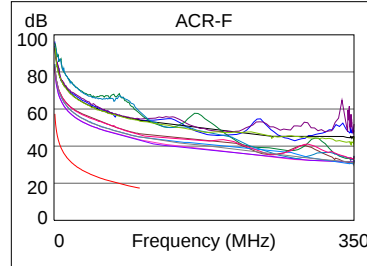
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



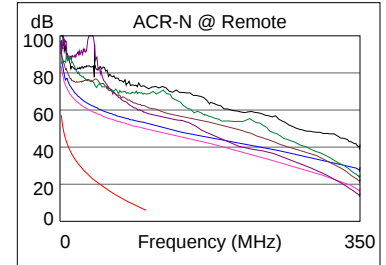
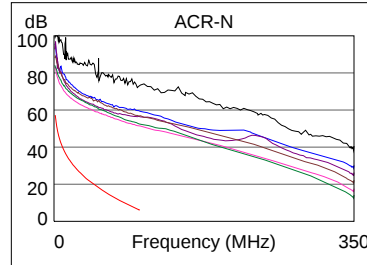
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	21.3	19.9	21.3	19.9
Freq. (MHz)	99.6	100.0	99.6	100.0
Limit (dB)	30.1	30.1	30.1	30.1
Worst Pair	45	12	45	12
PS NEXT (dB)	22.3	21.2	22.3	21.2
Freq. (MHz)	99.6	100.0	99.6	100.0
Limit (dB)	27.1	27.1	27.1	27.1



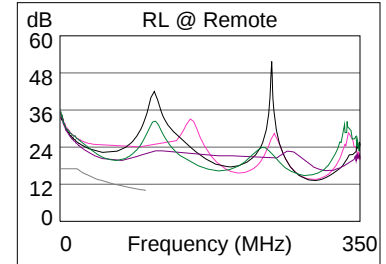
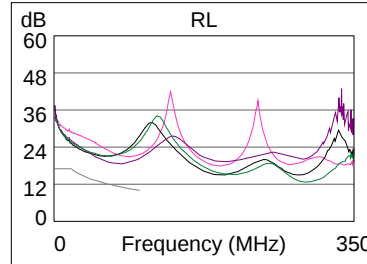
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	23.8	23.8	25.2	25.2
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	57.4	57.4	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	25.2	24.9	26.6	26.1
Freq. (MHz)	1.3	1.0	100.0	99.8
Limit (dB)	52.2	54.4	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-45	12-45
ACR-N (dB)	25.8	25.7	45.1	43.8
Freq. (MHz)	1.6	1.6	99.6	100.0
Limit (dB)	57.0	57.0	6.1	6.0
Worst Pair	45	45	45	12
PS ACR-N (dB)	27.5	27.6	46.1	45.1
Freq. (MHz)	1.0	1.6	99.6	100.0
Limit (dB)	54.0	54.0	3.1	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	20.3	22.0	20.3	22.0
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-11

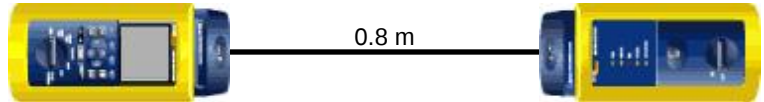
Test Summary: PASS

Date / Time: 10/05/2012 10:53:02
Headroom: 21.0 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

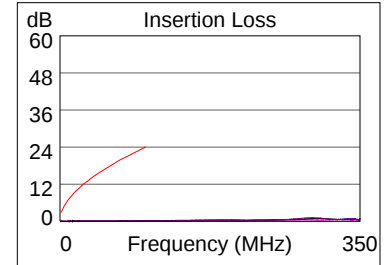
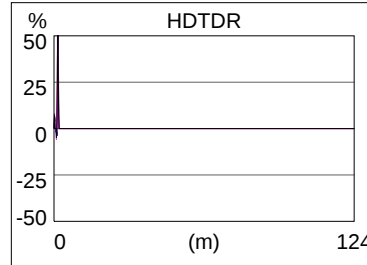
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

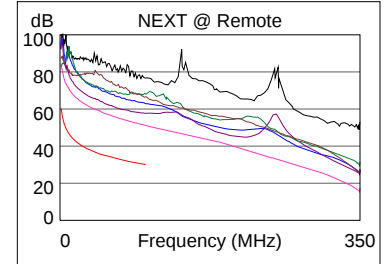
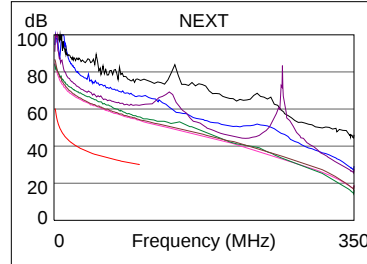


Length (m), Limit 100.0	[Pair 12]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	4
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

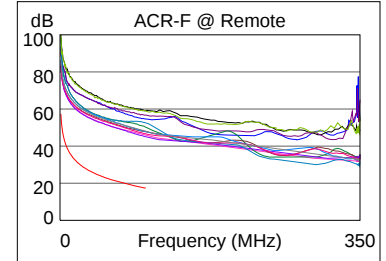
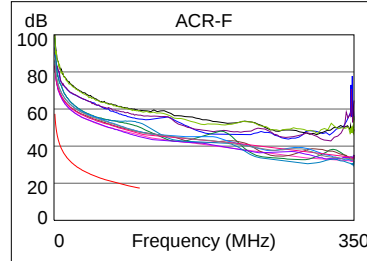
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



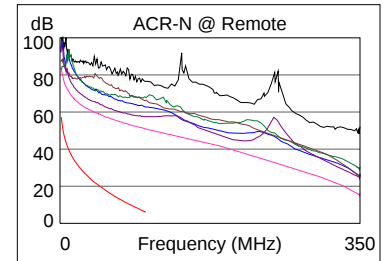
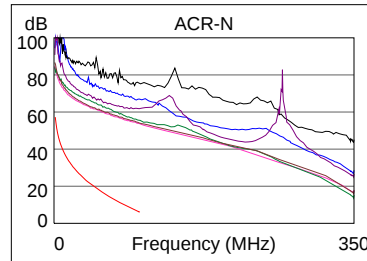
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-45	12-45
NEXT (dB)	22.2	21.0	23.6	21.0
Freq. (MHz)	1.5	100.0	99.6	100.0
Limit (dB)	60.0	30.1	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	23.5	23.0	23.5	23.0
Freq. (MHz)	99.6	100.0	99.6	100.0
Limit (dB)	27.1	27.1	27.1	27.1



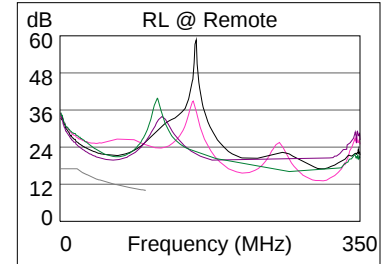
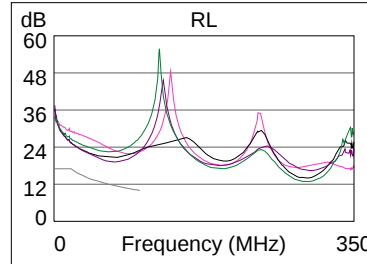
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	45-12	45-12
ACR-F (dB)	25.2	25.2	27.6	27.6
Freq. (MHz)	1.1	1.1	99.4	99.4
Limit (dB)	56.6	56.6	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	26.3	26.5	28.2	28.3
Freq. (MHz)	1.1	1.3	100.0	99.4
Limit (dB)	53.6	52.2	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	12-45	12-45	12-45
ACR-N (dB)	25.2	25.9	47.4	44.9
Freq. (MHz)	1.5	1.6	99.6	100.0
Limit (dB)	57.0	57.0	6.1	6.0
Worst Pair	78	78	45	45
PS ACR-N (dB)	26.6	27.5	47.3	46.9
Freq. (MHz)	1.5	1.0	99.6	100.0
Limit (dB)	54.0	54.0	3.1	3.0



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12	12	12	12
RL (dB)	22.4	24.7	22.4	24.7
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-12

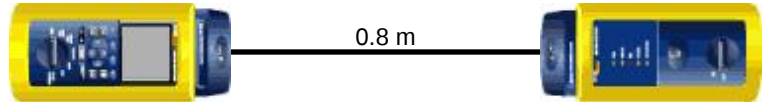
Test Summary: PASS

Date / Time: 10/05/2012 10:57:13
Headroom: 25.6 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

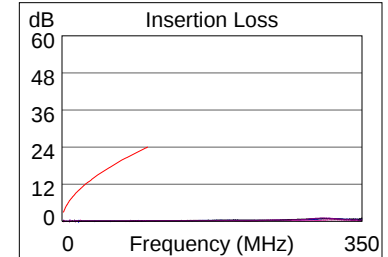
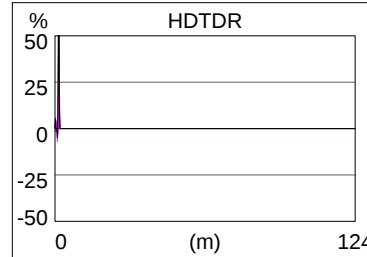
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

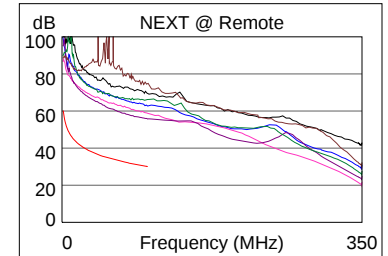
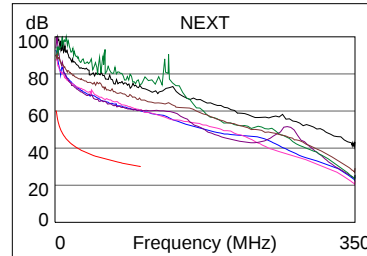


Length (m), Limit 100.0	[Pair 12]	0.8
Prop. Delay (ns), Limit 555	[Pair 12]	4
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

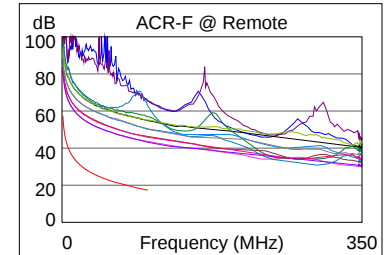
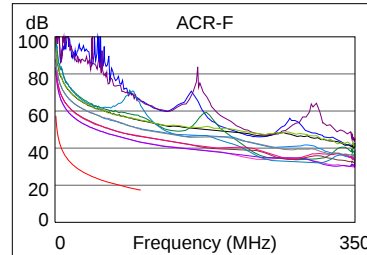
Insertion Loss Margin (dB)	[Pair 12]	23.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



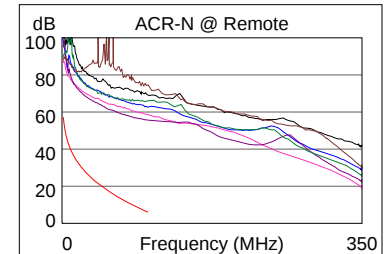
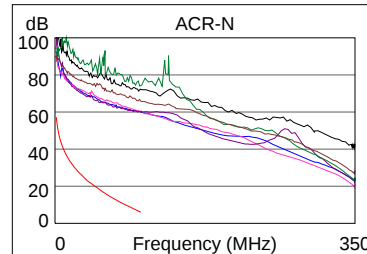
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-36	36-45
NEXT (dB)	26.6	25.6	29.6	25.6
Freq. (MHz)	1.1	100.0	100.0	100.0
Limit (dB)	60.0	30.1	30.1	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	27.8	26.7	29.4	26.7
Freq. (MHz)	1.6	100.0	99.8	100.0
Limit (dB)	57.0	27.1	27.1	27.1



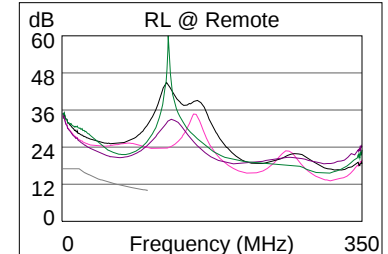
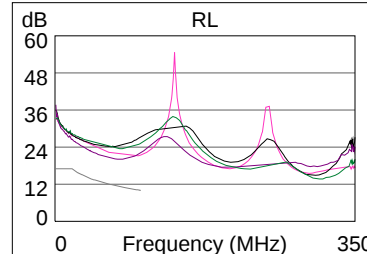
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	23.8	23.8	25.7	25.7
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	55.2	55.2	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	26.0	25.9	27.9	28.0
Freq. (MHz)	1.0	1.3	100.0	100.0
Limit (dB)	54.4	52.2	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-36	36-45
ACR-N (dB)	29.5	29.4	53.6	49.5
Freq. (MHz)	1.1	1.0	100.0	100.0
Limit (dB)	57.0	57.0	6.0	6.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	30.8	29.9	53.2	50.6
Freq. (MHz)	1.6	1.0	99.8	100.0
Limit (dB)	54.0	54.0	3.1	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	12	12
RL (dB)	21.4	24.0	21.4	24.0
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-13

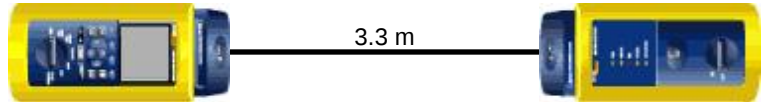
Test Summary: PASS

Date / Time: 10/05/2012 12:15:30
Headroom: 22.0 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

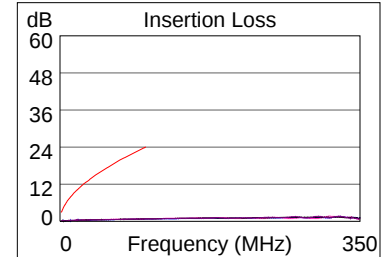
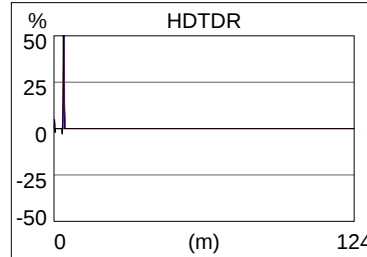
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

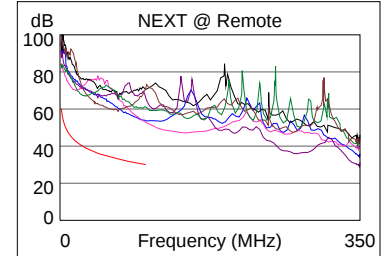
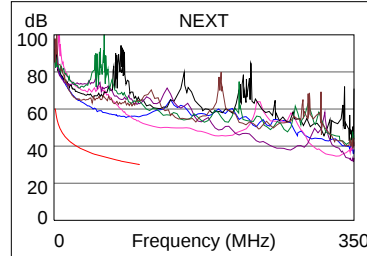


Length (m), Limit 100.0	[Pair 12]	3.3
Prop. Delay (ns), Limit 555	[Pair 36]	17
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)		N/A

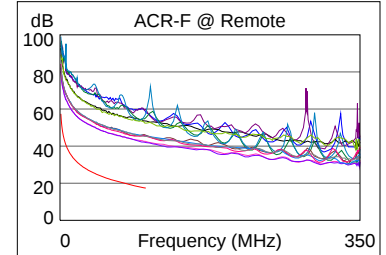
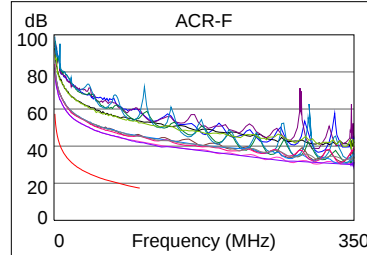
Insertion Loss Margin (dB)	[Pair 36]	23.1
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



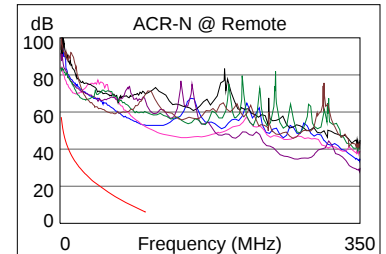
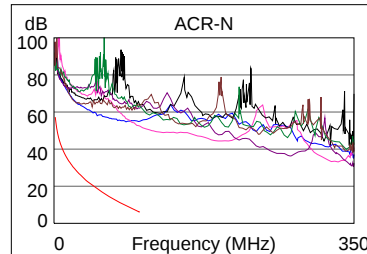
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
NEXT (dB)	22.0	22.3	22.9	22.8
Freq. (MHz)	1.4	1.4	99.0	99.8
Limit (dB)	60.0	60.0	30.1	30.1
Worst Pair	78	12	12	12
PS NEXT (dB)	23.7	23.3	23.9	23.3
Freq. (MHz)	1.1	100.0	99.0	100.0
Limit (dB)	57.0	27.1	27.1	27.1



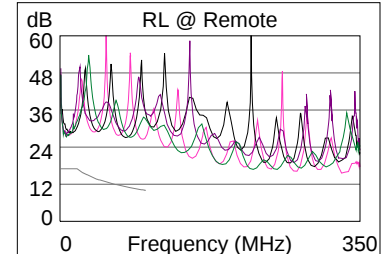
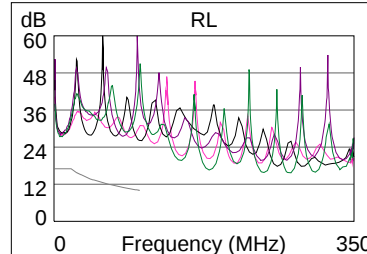
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	22.1	22.1	24.5	24.5
Freq. (MHz)	1.5	1.5	98.8	99.2
Limit (dB)	53.9	53.9	17.5	17.5
Worst Pair	45	45	45	45
PS ACR-F (dB)	23.4	23.8	26.0	25.8
Freq. (MHz)	1.1	1.5	100.0	99.2
Limit (dB)	53.6	50.9	14.4	14.5



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-45
ACR-N (dB)	24.9	25.2	46.0	46.0
Freq. (MHz)	1.4	1.4	99.0	99.8
Limit (dB)	57.0	57.0	6.2	6.1
Worst Pair	78	36	12	12
PS ACR-N (dB)	26.6	27.3	47.3	46.6
Freq. (MHz)	1.1	1.4	100.0	100.0
Limit (dB)	54.0	54.0	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	12	36	12
RL (dB)	26.0	27.1	26.0	27.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-14

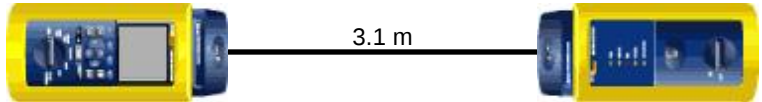
Test Summary: PASS

Date / Time: 10/05/2012 12:21:27
Headroom: 20.3 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

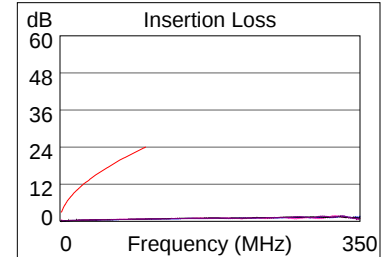
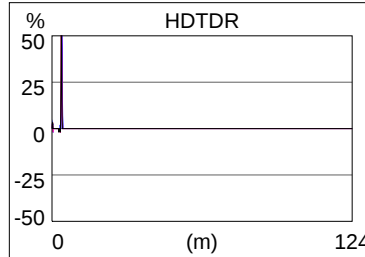
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

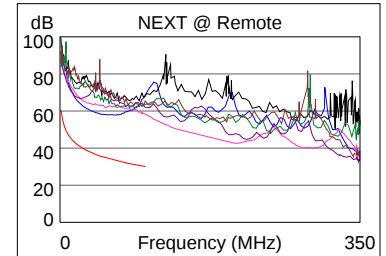
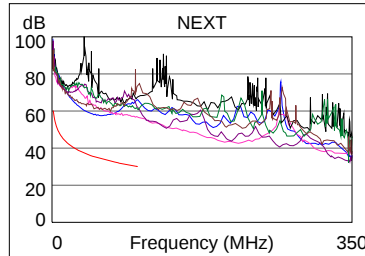


Length (m), Limit 100.0	[Pair 78]	3.1
Prop. Delay (ns), Limit 555	[Pair 12]	16
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

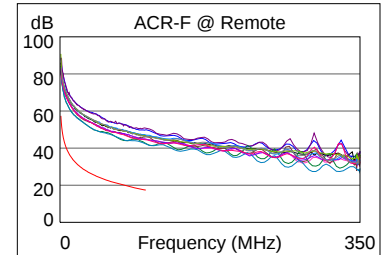
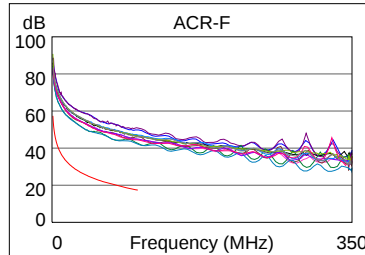
Insertion Loss Margin (dB)	[Pair 36]	23.2
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



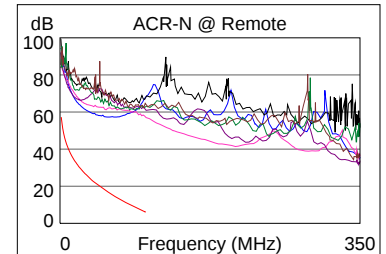
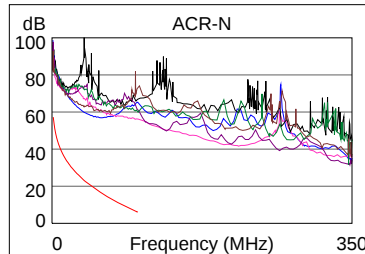
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-36
NEXT (dB)	20.3	21.9	25.8	24.3
Freq. (MHz)	1.1	1.1	99.6	64.6
Limit (dB)	60.0	60.0	30.1	33.4
Worst Pair	78	36	45	36
PS NEXT (dB)	21.7	23.6	27.8	25.8
Freq. (MHz)	1.5	1.1	99.6	68.8
Limit (dB)	57.0	57.0	27.1	29.9



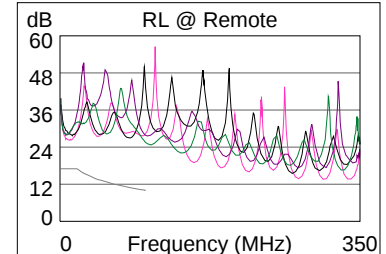
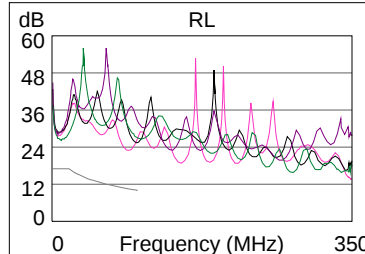
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-45	12-45	45-36	45-36
ACR-F (dB)	23.9	23.9	24.8	24.8
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	57.4	57.4	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	23.4	23.2	25.1	25.0
Freq. (MHz)	1.2	1.0	100.0	100.0
Limit (dB)	52.8	54.4	14.4	14.4



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-78	12-45	12-36
ACR-N (dB)	23.2	24.8	49.1	42.8
Freq. (MHz)	1.1	1.1	99.6	64.6
Limit (dB)	57.0	57.0	6.1	14.3
Worst Pair	78	36	45	36
PS ACR-N (dB)	24.6	26.5	51.1	44.7
Freq. (MHz)	1.5	1.1	99.6	68.8
Limit (dB)	54.0	54.0	3.1	10.3



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36	78	36	78
RL (dB)	25.4	25.5	25.4	25.5
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-15

Test Summary: PASS

Date / Time: 10/05/2012 12:26:29

Headroom: 8.8 dB (NEXT 36-78)

Test Limit: TIA Cat 5e Channel

Cable Type: UTP 100 Ohm Cat 5e

Fault Anomaly Threshold: 15%

Operator: PAUL HERRING

Software Version: 4.925

Limits Version: 5.17

NVP: 69.0%

Shield Test: N/A

Model: DSP-4100

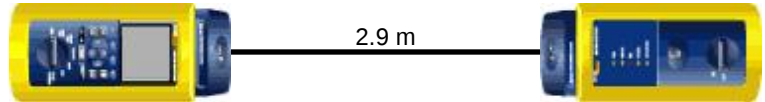
Main S/N: 7840025

Remote S/N: 7840025

Main Adapter: LIA 012

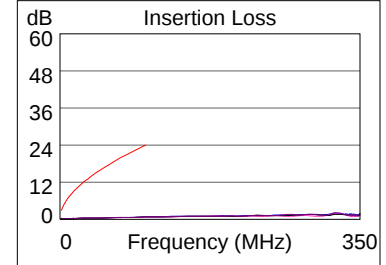
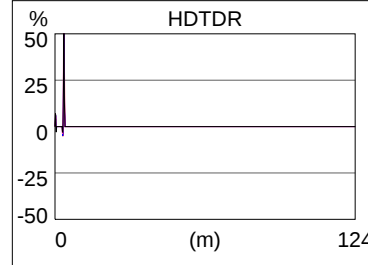
Remote Adapter: LIA 012

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

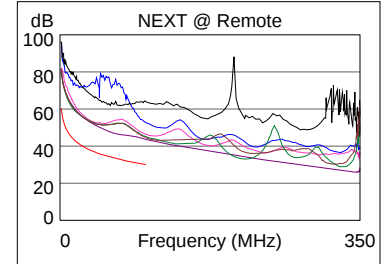
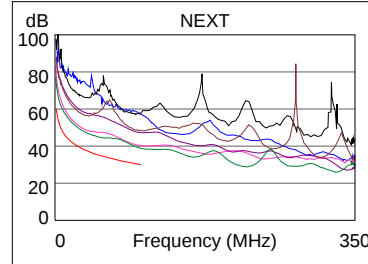


Length (m), Limit 100.0	[Pair 36]	2.9
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

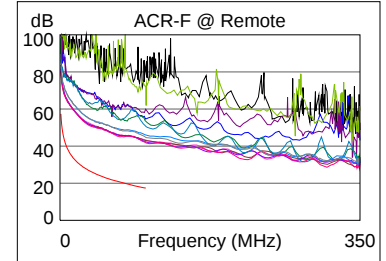
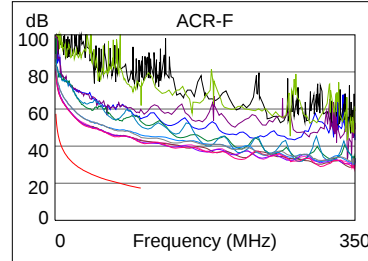
Insertion Loss Margin (dB)	[Pair 12]	23.2
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



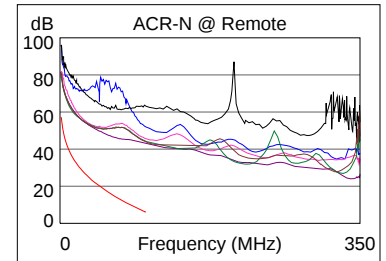
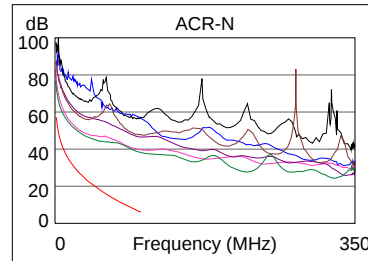
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-78	36-45
NEXT (dB)	8.8	13.3	8.8	13.6
Freq. (MHz)	100.0	69.0	100.0	99.8
Limit (dB)	30.1	32.9	30.1	30.1
Worst Pair	36	45	36	45
PS NEXT (dB)	11.1	12.9	11.1	12.9
Freq. (MHz)	100.0	99.8	100.0	99.8
Limit (dB)	27.1	27.1	27.1	27.1



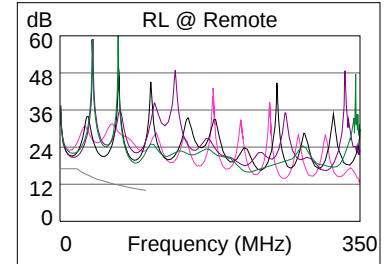
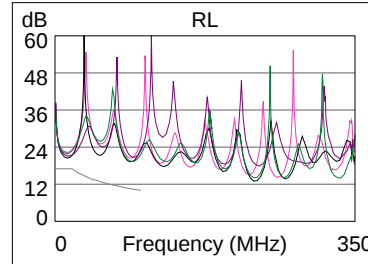
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	78-36	78-36
ACR-F (dB)	21.3	21.3	24.4	24.4
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	55.2	55.2	17.4	17.4
Worst Pair	36	78	45	78
PS ACR-F (dB)	23.7	22.9	26.2	25.6
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	52.2	52.2	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	15.6	21.1	32.2	37.0
Freq. (MHz)	1.8	1.7	100.0	100.0
Limit (dB)	56.2	56.6	6.0	6.0
Worst Pair	78	36	36	45
PS ACR-N (dB)	18.4	21.4	34.5	36.3
Freq. (MHz)	1.8	1.7	100.0	100.0
Limit (dB)	53.2	53.6	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	21.6	22.2	21.6	22.2
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



Compliant Network Standards:
10BASE-T 100BASE-TX
1000BASE-T ATM-25
ATM-155 100VG-AnyLan
TR-16 Active TR-16 Passive

100BASE-T4
ATM-51
TR-4



Cable ID: TC-FIN-16

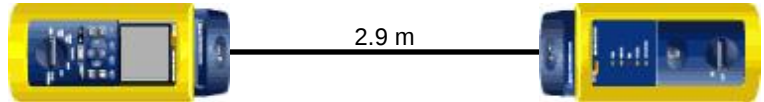
Test Summary: PASS

Date / Time: 10/05/2012 12:30:58
Headroom: 13.0 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

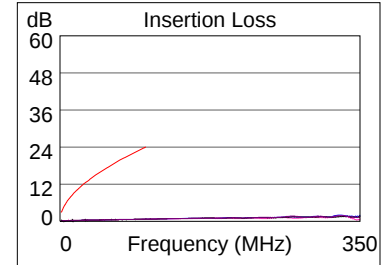
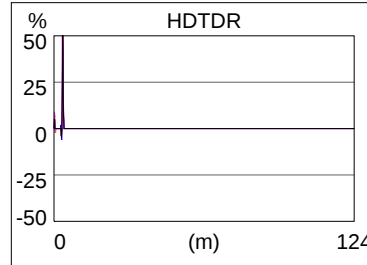
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

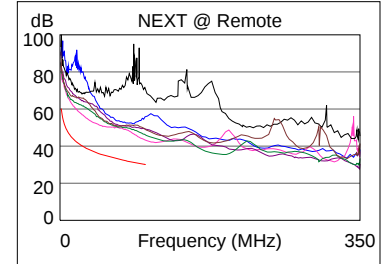
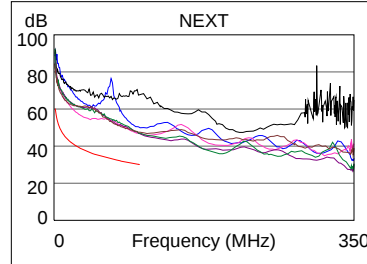


Length (m), Limit 100.0	[Pair 12]	2.9
Prop. Delay (ns), Limit 555	[Pair 12]	14
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

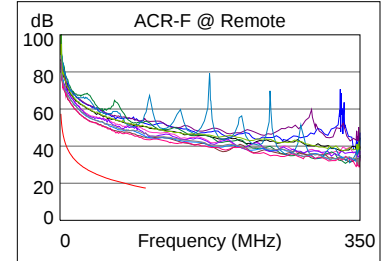
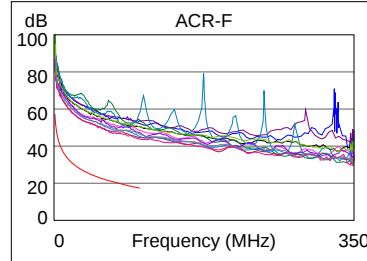
Insertion Loss Margin (dB)	[Pair 45]	23.2
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	24.0



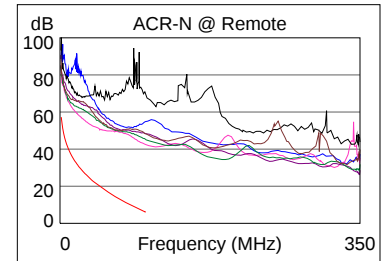
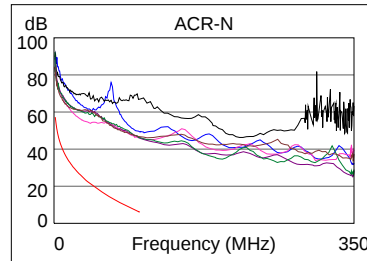
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	16.4	13.0	16.4	13.0
Freq. (MHz)	98.8	100.0	98.8	100.0
Limit (dB)	30.2	30.1	30.2	30.1
Worst Pair	45	45	45	45
PS NEXT (dB)	15.1	14.2	15.1	14.2
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	27.1	27.1	27.1	27.1



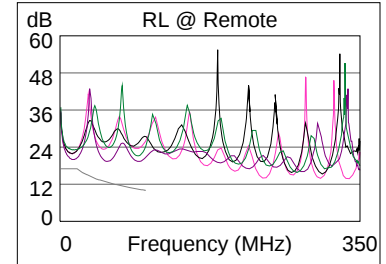
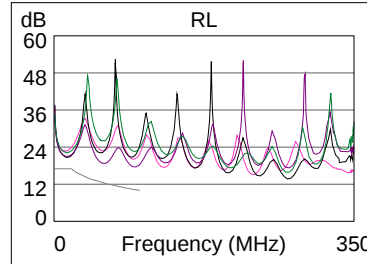
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	78-36	78-36
ACR-F (dB)	24.0	24.0	26.1	26.1
Freq. (MHz)	1.1	1.1	99.0	99.0
Limit (dB)	56.6	56.6	17.5	17.5
Worst Pair	78	78	78	78
PS ACR-F (dB)	24.7	24.5	26.9	26.9
Freq. (MHz)	1.2	1.1	100.0	99.6
Limit (dB)	52.8	53.6	14.4	14.4



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	12-45	12-45
ACR-N (dB)	21.9	21.5	39.6	36.3
Freq. (MHz)	2.2	1.8	98.8	100.0
Limit (dB)	54.5	56.2	6.3	6.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	22.2	22.1	38.4	37.5
Freq. (MHz)	2.1	1.8	100.0	100.0
Limit (dB)	51.9	53.2	3.0	3.0



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	18.5	20.6	18.5	20.6
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-17

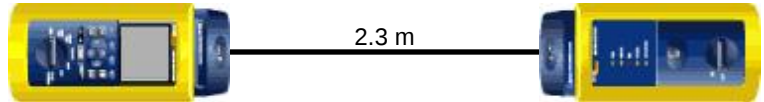
Test Summary: PASS

Date / Time: 10/05/2012 12:36:43
Headroom: 10.9 dB (NEXT 36-45)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

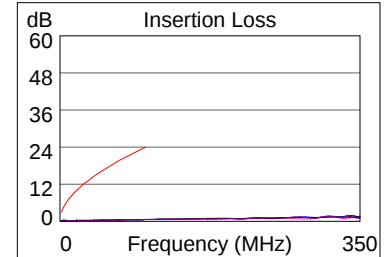
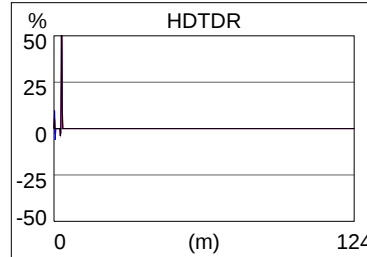
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

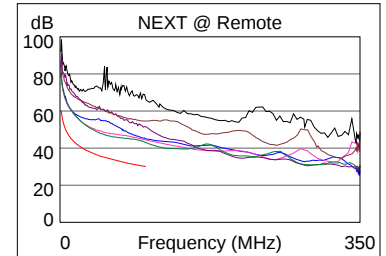
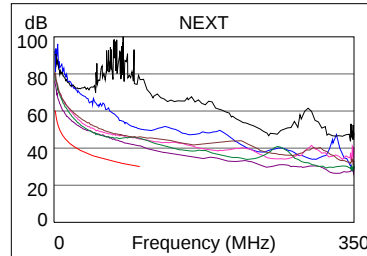


Length (m), Limit 100.0	[Pair 45]	2.3
Prop. Delay (ns), Limit 555	[Pair 12]	12
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

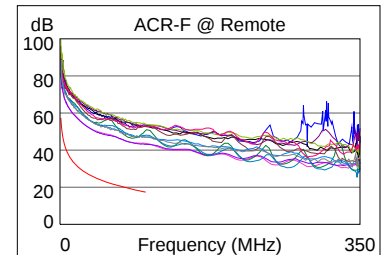
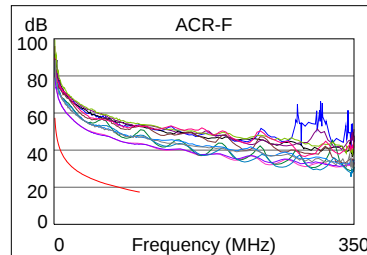
Insertion Loss Margin (dB)	[Pair 12]	23.4
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



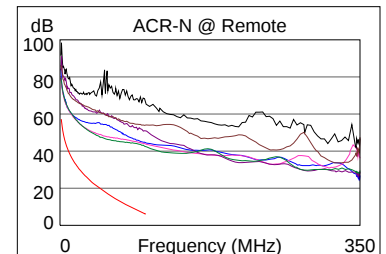
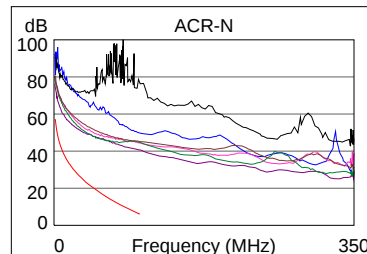
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-78
NEXT (dB)	10.9	11.9	10.9	12.9
Freq. (MHz)	99.6	52.0	99.6	100.0
Limit (dB)	30.1	35.0	30.1	30.1
Worst Pair	45	36	45	36
PS NEXT (dB)	11.4	13.4	11.5	13.4
Freq. (MHz)	77.2	99.6	99.6	99.6
Limit (dB)	29.1	27.1	27.1	27.1



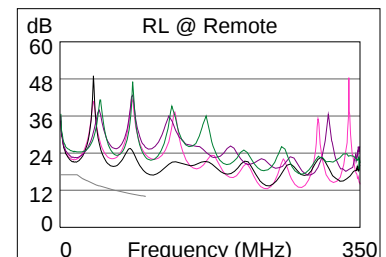
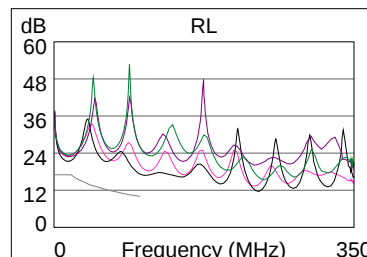
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	45-12	45-12
ACR-F (dB)	22.4	22.4	25.7	25.7
Freq. (MHz)	1.5	1.5	99.4	99.4
Limit (dB)	53.9	53.9	17.4	17.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	23.5	23.1	25.3	26.3
Freq. (MHz)	1.5	1.5	87.8	99.6
Limit (dB)	50.9	50.9	15.5	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	36-78
ACR-N (dB)	16.3	19.4	34.3	36.4
Freq. (MHz)	1.6	1.6	99.6	100.0
Limit (dB)	57.0	57.0	6.1	6.0
Worst Pair	45	12	45	36
PS ACR-N (dB)	17.5	19.8	34.9	36.8
Freq. (MHz)	1.6	2.2	99.6	99.6
Limit (dB)	54.0	51.5	3.1	3.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	17.3	17.8	17.3	17.8
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-18

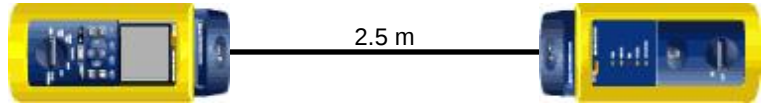
Test Summary: PASS

Date / Time: 10/05/2012 12:42:25
Headroom: 11.1 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

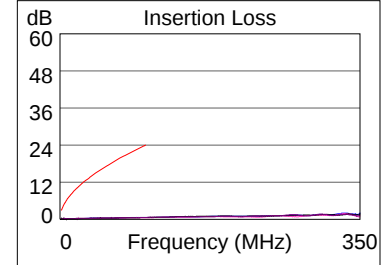
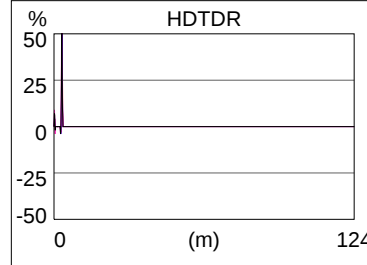
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

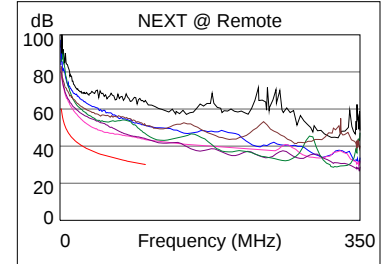
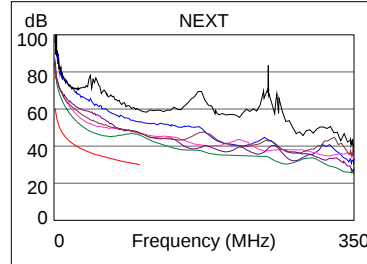


Length (m), Limit 100.0	[Pair 12]	2.5
Prop. Delay (ns), Limit 555	[Pair 12]	12
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

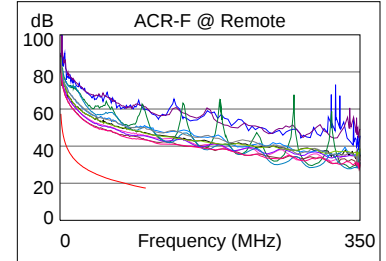
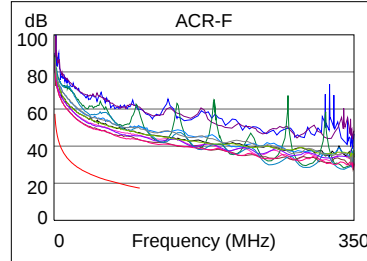
Insertion Loss Margin (dB)	[Pair 12]	23.4
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



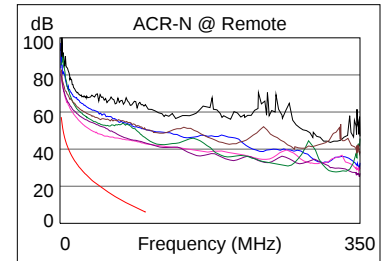
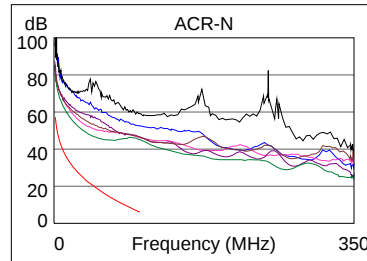
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
NEXT (dB)	11.1	12.4	11.8	13.5
Freq. (MHz)	51.2	52.2	65.6	100.0
Limit (dB)	35.1	35.0	33.3	30.1
Worst Pair	78	45	45	45
PS NEXT (dB)	13.2	13.2	15.1	13.2
Freq. (MHz)	52.2	100.0	100.0	100.0
Limit (dB)	32.0	27.1	27.1	27.1



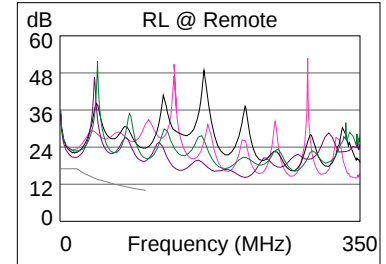
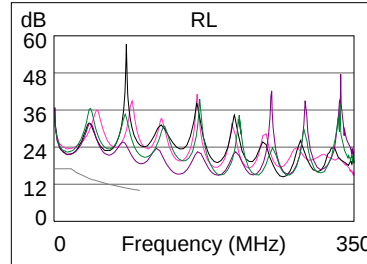
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	78-36
ACR-F (dB)	21.8	21.8	25.9	25.9
Freq. (MHz)	1.1	1.1	98.8	100.0
Limit (dB)	56.6	56.6	17.5	17.4
Worst Pair	78	36	78	78
PS ACR-F (dB)	21.5	23.1	27.0	26.6
Freq. (MHz)	1.1	1.1	99.6	99.6
Limit (dB)	53.6	53.6	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-45	36-78	12-45
ACR-N (dB)	20.2	20.5	31.9	37.0
Freq. (MHz)	2.0	1.8	70.8	100.0
Limit (dB)	55.3	56.2	12.8	6.0
Worst Pair	36	45	45	45
PS ACR-N (dB)	22.3	20.7	38.6	36.7
Freq. (MHz)	2.0	1.7	100.0	100.0
Limit (dB)	52.3	53.6	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	18.7	19.5	18.7	19.5
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-19

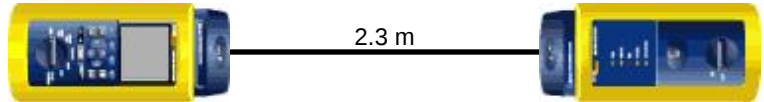
Test Summary: PASS

Date / Time: 10/05/2012 12:53:40
Headroom: 12.1 dB (NEXT 36-78)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: PAUL HERRING
Software Version: 4.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

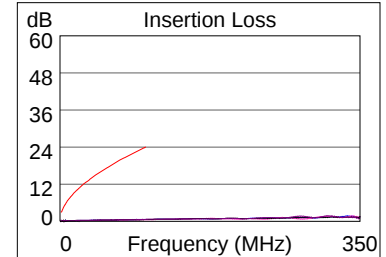
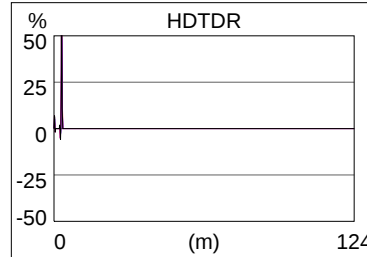
Model: DSP-4100
Main S/N: 7840025
Remote S/N: 7840025
Main Adapter: LIA 012
Remote Adapter: LIA 012

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

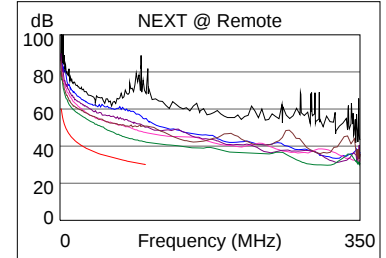
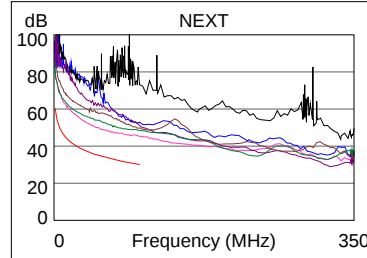


Length (m), Limit 100.0	[Pair 45]	2.3
Prop. Delay (ns), Limit 555	[Pair 12]	12
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)		N/A

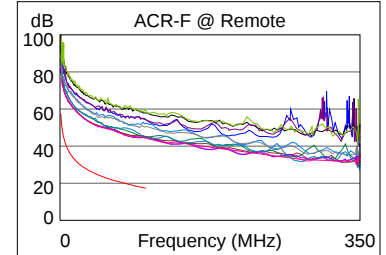
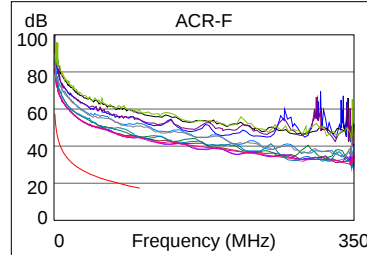
Insertion Loss Margin (dB)	[Pair 12]	23.4
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



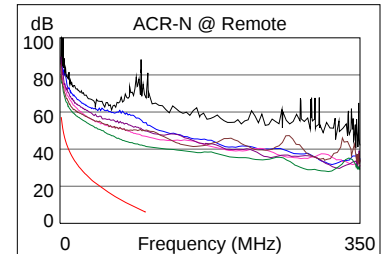
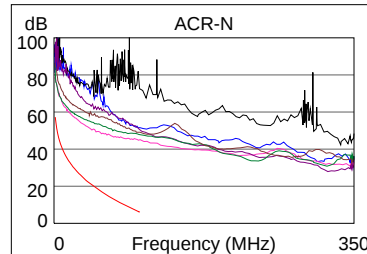
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	36-78
NEXT (dB)	14.2	12.1	15.1	12.1
Freq. (MHz)	69.8	100.0	99.6	100.0
Limit (dB)	32.8	30.1	30.1	30.1
Worst Pair	45	36	45	36
PS NEXT (dB)	16.1	14.3	16.1	14.3
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	27.1	27.1	27.1	27.1



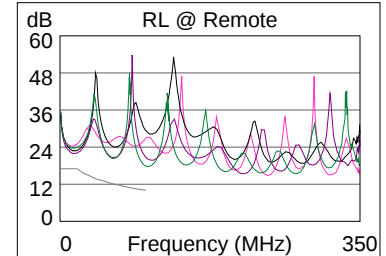
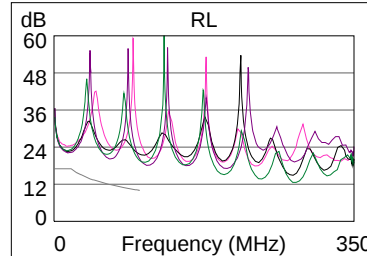
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	78-36	45-12	78-36
ACR-F (dB)	22.2	22.2	26.4	26.7
Freq. (MHz)	1.1	1.1	93.8	98.8
Limit (dB)	56.6	56.6	17.9	17.5
Worst Pair	36	78	45	45
PS ACR-F (dB)	23.5	23.4	26.7	26.8
Freq. (MHz)	1.3	1.1	99.0	99.4
Limit (dB)	52.2	53.6	14.5	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	36-78
ACR-N (dB)	20.4	19.5	38.5	35.6
Freq. (MHz)	1.7	1.8	99.6	100.0
Limit (dB)	56.6	56.2	6.1	6.0
Worst Pair	45	78	45	36
PS ACR-N (dB)	22.6	19.9	39.6	37.9
Freq. (MHz)	1.9	1.8	100.0	100.0
Limit (dB)	52.8	53.2	3.0	3.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	78	78
RL (dB)	19.7	17.9	19.7	17.9
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



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: TC-FIN-20

Test Summary: PASS

Date / Time: 10/05/2012 12:58:31

Headroom: 8.5 dB (NEXT 36-78)

Test Limit: TIA Cat 5e Channel

Cable Type: UTP 100 Ohm Cat 5e

Fault Anomaly Threshold: 15%

Operator: PAUL HERRING

Software Version: 4.925

Limits Version: 5.17

NVP: 69.0%

Shield Test: N/A

Model: DSP-4100

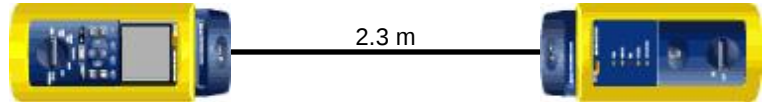
Main S/N: 7840025

Remote S/N: 7840025

Main Adapter: LIA 012

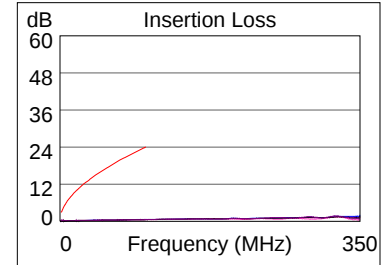
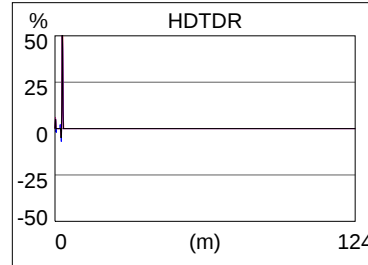
Remote Adapter: LIA 012

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

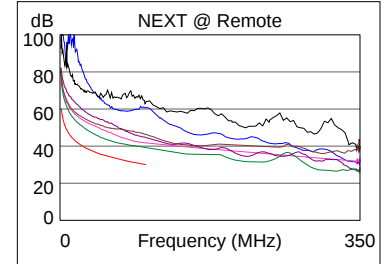
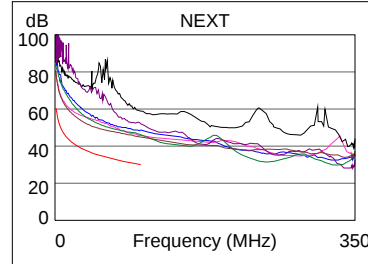


Length (m), Limit 100.0	[Pair 12]	2.3
Prop. Delay (ns), Limit 555	[Pair 12]	11
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)		N/A

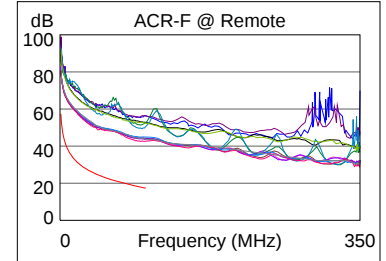
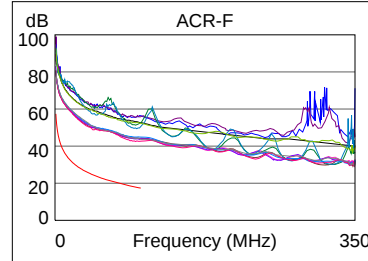
Insertion Loss Margin (dB)	[Pair 12]	23.4
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



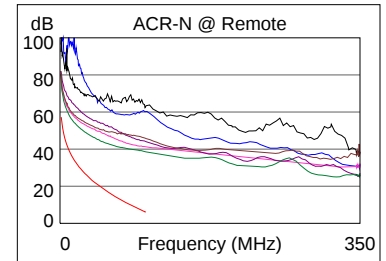
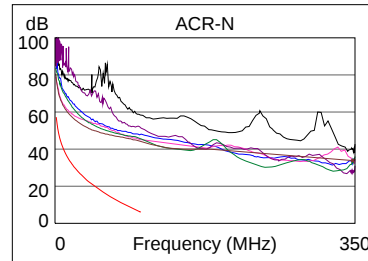
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-78
NEXT (dB)	14.2	8.5	14.6	9.0
Freq. (MHz)	42.8	71.2	100.0	100.0
Limit (dB)	36.4	32.7	30.1	30.1
Worst Pair	45	36	45	36
PS NEXT (dB)	14.6	10.8	14.7	10.9
Freq. (MHz)	98.8	77.8	100.0	100.0
Limit (dB)	27.2	29.0	27.1	27.1



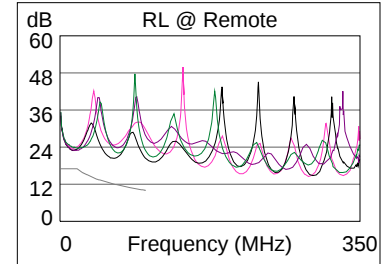
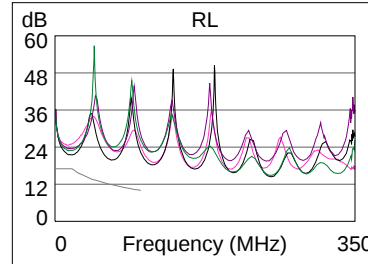
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-12	78-36	78-36
ACR-F (dB)	22.4	22.3	25.1	25.1
Freq. (MHz)	1.3	1.3	100.0	100.0
Limit (dB)	55.2	55.2	17.4	17.4
Worst Pair	45	45	45	78
PS ACR-F (dB)	22.6	22.6	26.2	25.5
Freq. (MHz)	1.0	1.3	98.8	100.0
Limit (dB)	54.4	52.2	14.5	14.4



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	45-78	36-78
ACR-N (dB)	19.9	16.9	38.1	32.5
Freq. (MHz)	1.9	2.2	100.0	100.0
Limit (dB)	55.8	54.5	6.0	6.0
Worst Pair	45	78	45	36
PS ACR-N (dB)	20.1	18.2	38.2	34.4
Freq. (MHz)	1.8	1.6	100.0	100.0
Limit (dB)	53.2	54.0	3.0	3.0



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	22.3	20.4	22.3	20.4
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	0.0	0.0	0.0	0.0



Compliant Network Standards:

10BASE-T 100BASE-TX
1000BASE-T ATM-25
ATM-155 100VG-AnyLan
TR-16 Active TR-16 Passive

100BASE-T4
ATM-51
TR-4