



# Cable ID: SRV-TIE-1

# Test Summary: PASS

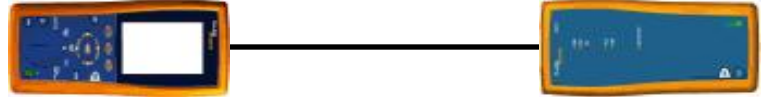
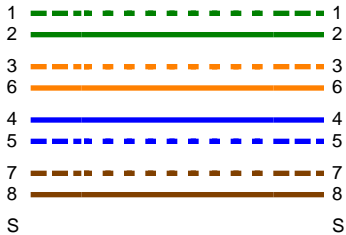
Date / Time: 01/07/2008 02:21:26pm  
**Headroom: 3.9 dB (NEXT 36-45)**  
**Test Limit: Aus/NZ PL max Class D**  
 Cable Type: \* ADC KRONE TN5E 6499-1-028 \*  
 Calibration Date: 07/03/2008

Operator: MA RITCHIE  
 Software Version: 2.0600  
 Limits Version: 1.2500  
 NVP: 70.0%

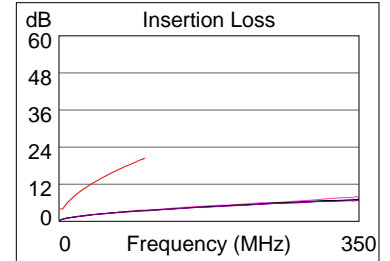
Model: DTX-1200  
 Main S/N: 9266065  
 Remote S/N: 9266066  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

### Wire Map (T568A)

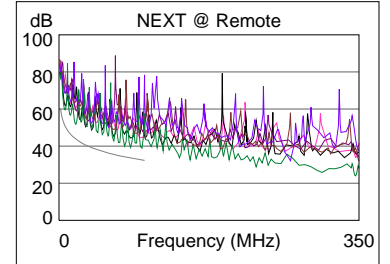
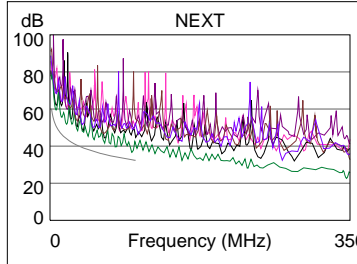
**PASS**



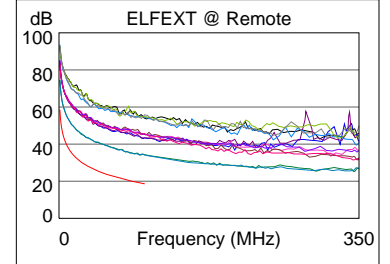
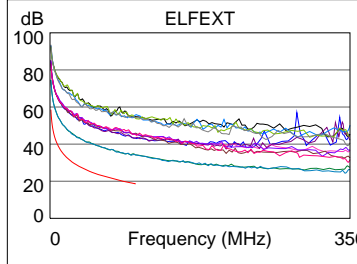
Length (m)	[Pair 36]	16.6
Prop. Delay (ns), Limit 498	[Pair 12]	81
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms), Limit 21.0	[Pair 45]	3.2
Insertion Loss Margin (dB)	[Pair 36]	16.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	20.4



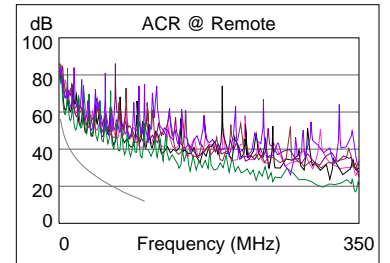
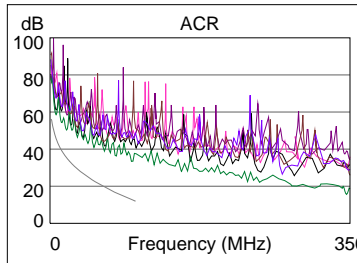
N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	3.9	5.6	3.9	6.0
Freq. (MHz)	95.8	83.3	95.8	96.0
Limit (dB)	32.6	33.6	32.6	32.6
Worst Pair	45	45	45	36
<b>PSNEXT (dB)</b>	6.3	7.2	6.3	7.9
Freq. (MHz)	95.8	83.3	95.8	95.8
Limit (dB)	29.6	30.6	29.6	29.6



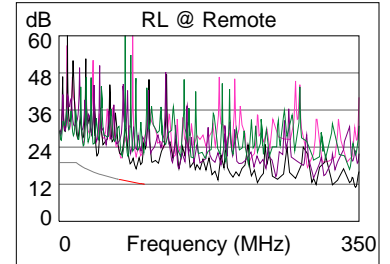
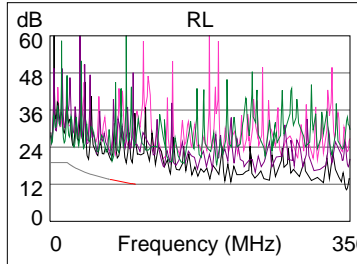
PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
<b>ELFEXT (dB)</b>	14.8	14.8	14.9	15.4
Freq. (MHz)	77.0	81.8	94.3	99.8
Limit (dB)	20.9	20.4	19.1	18.6
Worst Pair	36	36	36	36
<b>PSELFEXT (dB)</b>	17.1	17.3	17.1	17.7
Freq. (MHz)	94.8	20.5	94.8	99.8
Limit (dB)	16.1	29.4	16.1	15.6



N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR (dB)</b>	12.4	12.4	20.3	22.5
Freq. (MHz)	6.4	6.4	95.8	96.0
Limit (dB)	46.8	46.8	12.7	12.6
Worst Pair	45	45	45	36
<b>PSACR (dB)</b>	13.1	13.2	22.7	24.2
Freq. (MHz)	6.5	6.5	95.8	95.8
Limit (dB)	43.6	43.6	9.7	9.7



PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	78	36	36	36
<b>RL (dB)</b>	6.0	4.5	6.6	4.5
Freq. (MHz)	73.0	89.8	95.3	89.8
Limit (dB)	13.4	12.5	12.2	12.5



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: SRV-TIE-2

# Test Summary: PASS

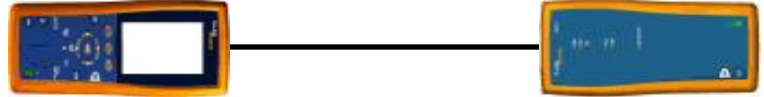
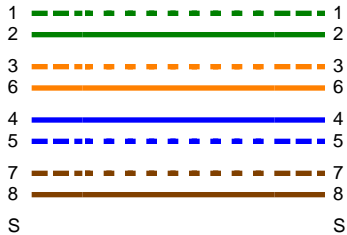
Date / Time: 01/07/2008 02:23:09pm  
**Headroom: 6.3 dB (NEXT 36-45)**  
**Test Limit: Aus/NZ PL max Class D**  
 Cable Type: \* ADC KRONE TN5E 6499-1-028 \*  
 Calibration Date: 07/03/2008

Operator: MA RITCHIE  
 Software Version: 2.0600  
 Limits Version: 1.2500  
 NVP: 70.0%

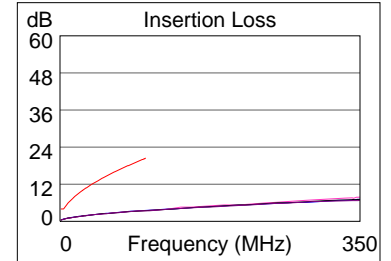
Model: DTX-1200  
 Main S/N: 9266065  
 Remote S/N: 9266066  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

## Wire Map (T568A)

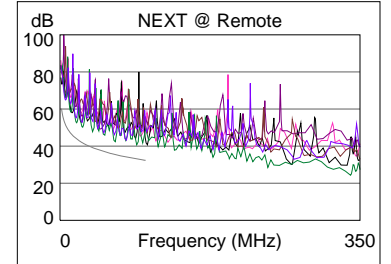
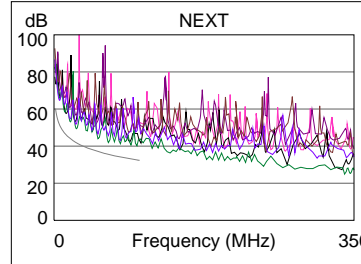
**PASS**



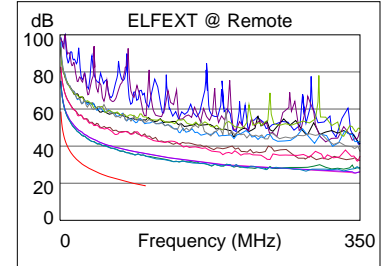
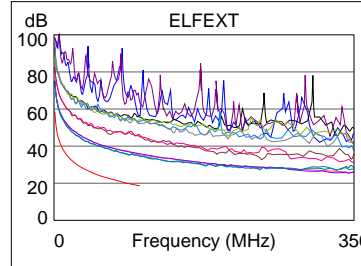
Length (m)	[Pair 78]	16.4
Prop. Delay (ns), Limit 498	[Pair 12]	81
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms), Limit 21.0	[Pair 78]	3.3
Insertion Loss Margin (dB)	[Pair 36]	16.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	20.4



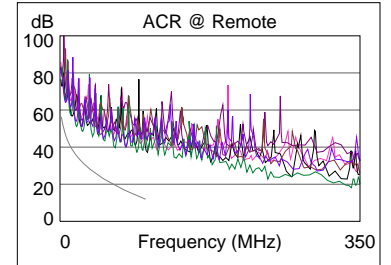
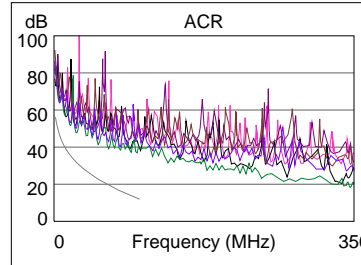
N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	6.3	6.6	7.4	7.5
Freq. (MHz)	63.8	64.0	96.3	89.8
Limit (dB)	35.5	35.5	32.6	33.1
Worst Pair	45	45	45	45
<b>PSNEXT (dB)</b>	7.5	7.9	8.0	9.0
Freq. (MHz)	63.3	63.5	89.0	89.8
Limit (dB)	32.6	32.5	30.1	30.1



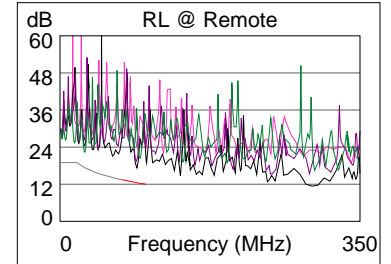
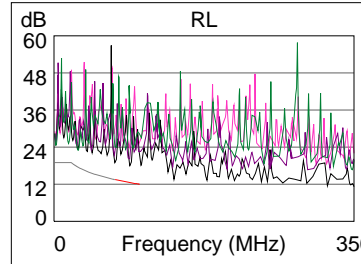
PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
<b>ELFEXT (dB)</b>	15.2	15.2	15.8	15.8
Freq. (MHz)	33.3	36.5	100.0	100.0
Limit (dB)	28.2	27.4	18.6	18.6
Worst Pair	45	45	45	45
<b>PSELFEXT (dB)</b>	15.9	16.0	16.3	16.5
Freq. (MHz)	33.3	19.5	100.0	100.0
Limit (dB)	25.2	29.8	15.6	15.6



N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR (dB)</b>	15.7	15.6	23.9	23.3
Freq. (MHz)	25.6	18.9	96.3	90.0
Limit (dB)	32.1	35.7	12.6	13.8
Worst Pair	45	45	45	45
<b>PSACR (dB)</b>	15.7	16.4	23.7	24.9
Freq. (MHz)	25.3	25.0	89.0	89.8
Limit (dB)	29.3	29.4	11.0	10.8



PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	5.3	4.7	5.4	4.7
Freq. (MHz)	71.3	89.5	88.8	89.5
Limit (dB)	13.5	12.5	12.5	12.5



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: SRV-TIE-3

## Test Summary: PASS

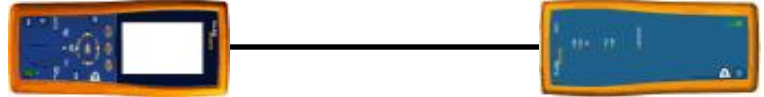
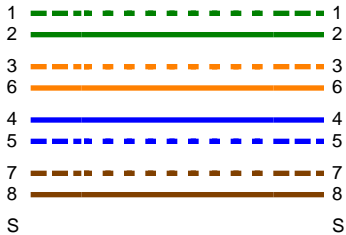
Date / Time: 01/07/2008 02:23:47pm  
 Headroom: 5.3 dB (NEXT 36-45)  
 Test Limit: Aus/NZ PL max Class D  
 Cable Type: \* ADC KRONE TN5E 6499-1-028 \*  
 Calibration Date: 07/03/2008

Operator: MA RITCHIE  
 Software Version: 2.0600  
 Limits Version: 1.2500  
 NVP: 70.0%

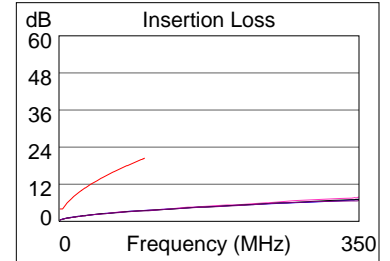
Model: DTX-1200  
 Main S/N: 9266065  
 Remote S/N: 9266066  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

### Wire Map (T568A)

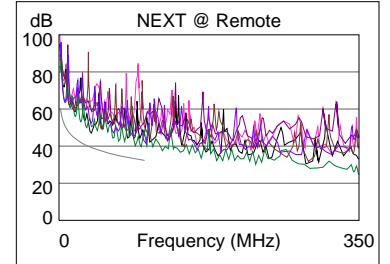
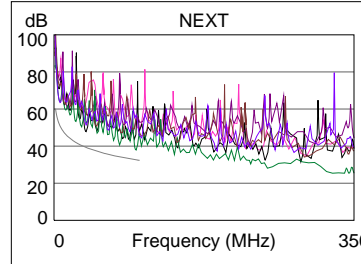
**PASS**



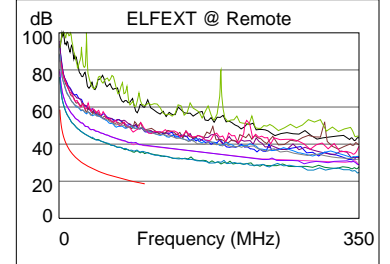
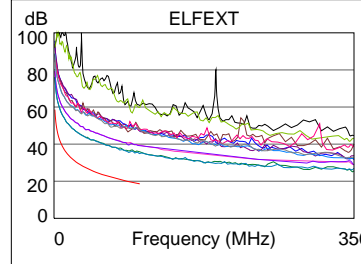
Length (m)	[Pair 36]	16.6
Prop. Delay (ns), Limit 498	[Pair 12]	81
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms), Limit 21.0	[Pair 36]	3.2
Insertion Loss Margin (dB)	[Pair 36]	16.8
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	20.4



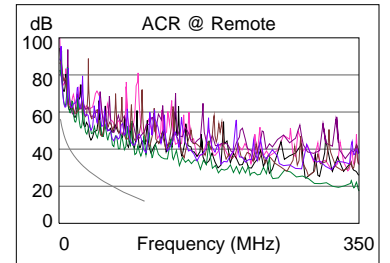
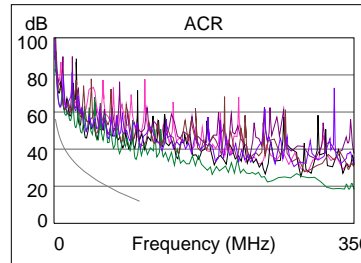
N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	5.3	7.1	5.3	7.1
Freq. (MHz)	95.3	88.8	95.8	95.5
Limit (dB)	32.7	33.2	32.6	32.6
Worst Pair	45	45	45	45
<b>PSNEXT (dB)</b>	7.5	8.1	7.5	8.1
Freq. (MHz)	95.3	88.3	95.3	88.3
Limit (dB)	29.7	30.2	29.7	30.2



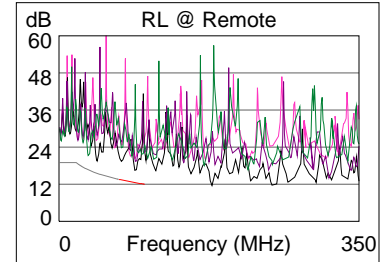
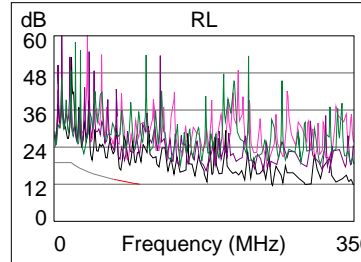
PASS	MAIN		SR	
	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ELFEXT (dB)</b>	15.7	15.7	16.2	16.3
Freq. (MHz)	86.5	86.5	100.0	100.0
Limit (dB)	19.9	19.9	18.6	18.6
Worst Pair	45	45	45	45
<b>PSELFEXT (dB)</b>	17.5	17.1	18.4	17.6
Freq. (MHz)	81.8	86.5	100.0	100.0
Limit (dB)	17.4	16.9	15.6	15.6



N/A	MAIN		SR	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	36-45
<b>ACR (dB)</b>	16.4	16.5	21.8	23.6
Freq. (MHz)	6.5	6.5	95.8	95.5
Limit (dB)	46.6	46.6	12.7	12.7
Worst Pair	45	45	45	45
<b>PSACR (dB)</b>	16.0	16.3	23.9	25.0
Freq. (MHz)	6.0	6.3	94.8	95.0
Limit (dB)	44.3	43.9	9.9	9.8



PASS	MAIN		SR	
	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	3.2	3.7	3.2	3.7
Freq. (MHz)	77.3	89.3	77.3	89.3
Limit (dB)	13.1	12.5	13.1	12.5



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: SRV-TIE-4

## Test Summary: PASS

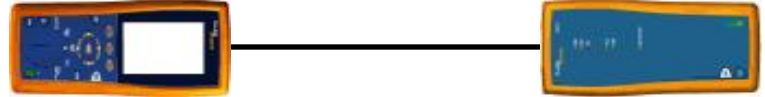
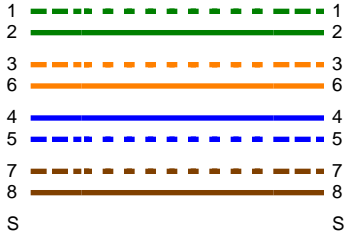
Date / Time: 01/07/2008 02:24:33pm  
**Headroom: 6.8 dB (NEXT 36-45)**  
**Test Limit: Aus/NZ PL max Class D**  
 Cable Type: \* ADC KRONE TN5E 6499-1-028 \*  
 Calibration Date: 07/03/2008

Operator: MA RITCHIE  
 Software Version: 2.0600  
 Limits Version: 1.2500  
 NVP: 70.0%

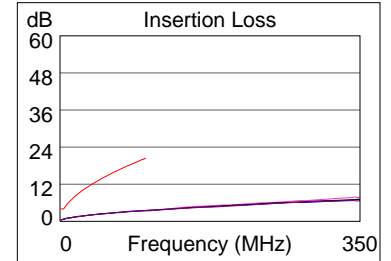
Model: DTX-1200  
 Main S/N: 9266065  
 Remote S/N: 9266066  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

### Wire Map (T568A)

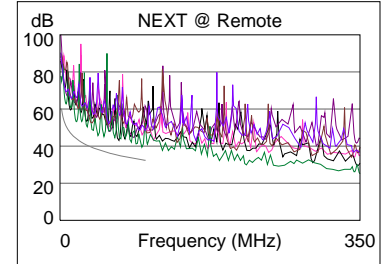
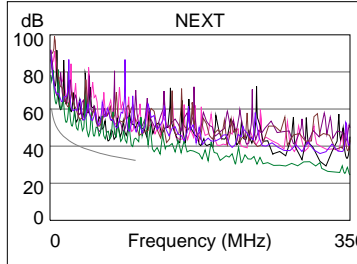
**PASS**



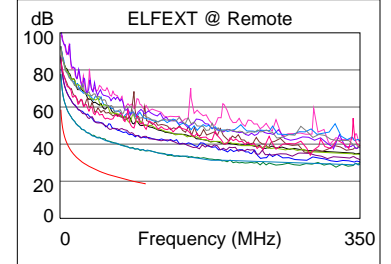
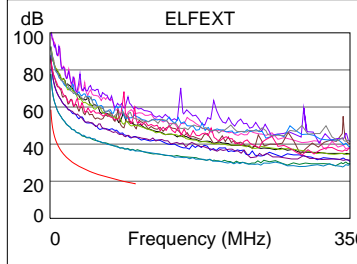
Length (m)	[Pair 36]	16.6
Prop. Delay (ns), Limit 498	[Pair 12]	81
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms), Limit 21.0	[Pair 78]	3.2
Insertion Loss Margin (dB)	[Pair 36]	16.7
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	20.4



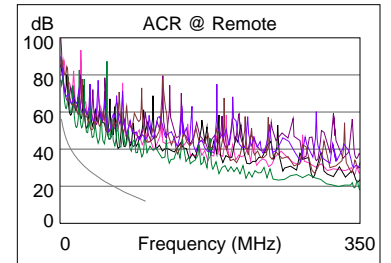
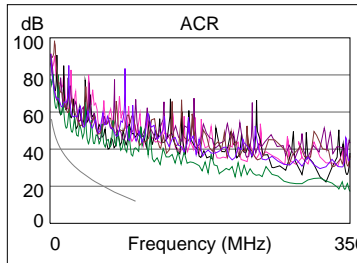
N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	6.9	6.8	6.9	6.8
Freq. (MHz)	96.0	95.5	96.0	95.5
Limit (dB)	32.6	32.6	32.6	32.6
Worst Pair	45	36	36	36
<b>PSNEXT (dB)</b>	8.8	8.9	9.3	8.9
Freq. (MHz)	69.0	96.0	96.0	96.0
Limit (dB)	31.9	29.6	29.6	29.6



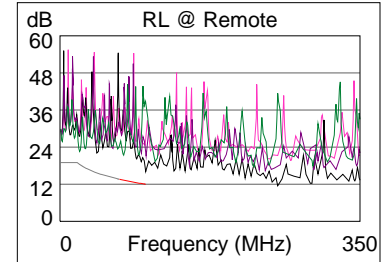
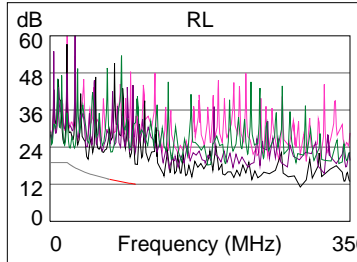
PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
<b>ELFEXT (dB)</b>	17.3	17.3	17.5	17.6
Freq. (MHz)	37.3	93.8	100.0	100.0
Limit (dB)	27.2	19.2	18.6	18.6
Worst Pair	36	36	36	36
<b>PSELFEXT (dB)</b>	19.4	19.5	19.8	19.8
Freq. (MHz)	93.8	81.5	99.5	99.3
Limit (dB)	16.2	17.4	15.7	15.7



N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR (dB)</b>	15.6	15.7	23.4	23.2
Freq. (MHz)	18.6	6.4	96.0	95.5
Limit (dB)	35.8	46.8	12.6	12.7
Worst Pair	45	45	36	36
<b>PSACR (dB)</b>	17.5	17.3	25.7	25.3
Freq. (MHz)	6.3	6.1	96.0	96.0
Limit (dB)	43.9	44.1	9.6	9.6



PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	5.2	4.1	5.2	4.1
Freq. (MHz)	100.0	100.0	100.0	100.0
Limit (dB)	12.0	12.0	12.0	12.0



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: SRV-TIE-5

# Test Summary: PASS

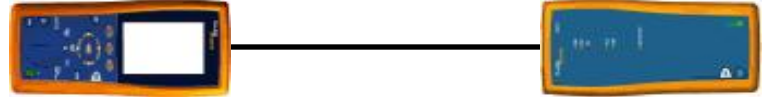
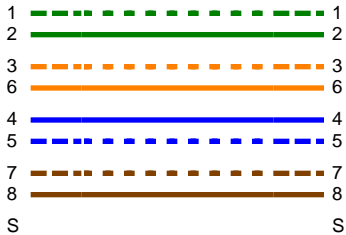
Date / Time: 01/07/2008 02:25:06pm  
**Headroom: 8.1 dB (NEXT 36-45)**  
**Test Limit: Aus/NZ PL max Class D**  
 Cable Type: \* ADC KRONE TN5E 6499-1-028 \*  
 Calibration Date: 07/03/2008

Operator: MA RITCHIE  
 Software Version: 2.0600  
 Limits Version: 1.2500  
 NVP: 70.0%

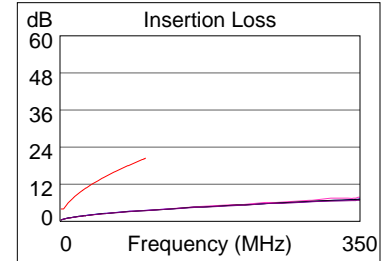
Model: DTX-1200  
 Main S/N: 9266065  
 Remote S/N: 9266066  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

### Wire Map (T568A)

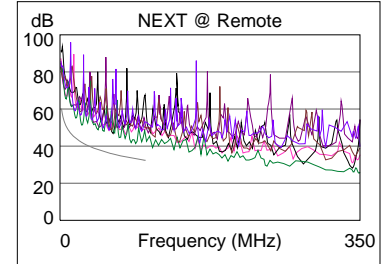
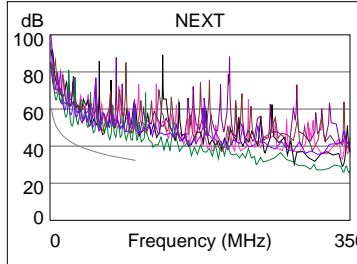
**PASS**



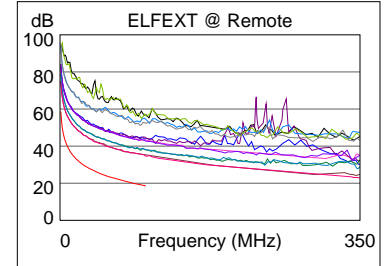
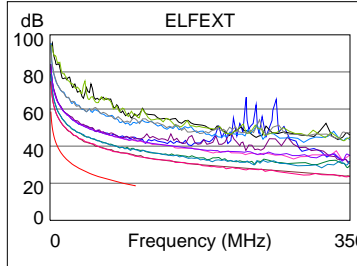
Length (m)	[Pair 78]	16.6
Prop. Delay (ns), Limit 498	[Pair 12]	82
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms), Limit 21.0	[Pair 45]	3.3
Insertion Loss Margin (dB)	[Pair 12]	16.6
Frequency (MHz)	[Pair 12]	98.5
Limit (dB)	[Pair 12]	20.2



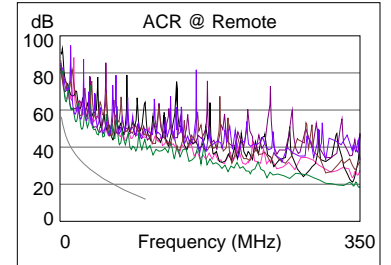
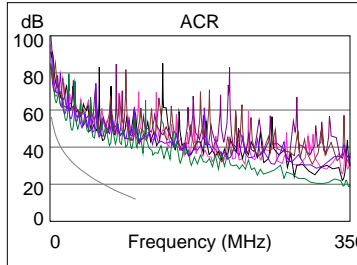
N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	8.7	8.1	10.1	8.1
Freq. (MHz)	69.5	88.5	95.0	88.5
Limit (dB)	34.9	33.2	32.7	33.2
Worst Pair	45	36	36	36
<b>PSNEXT (dB)</b>	10.5	9.8	11.2	9.8
Freq. (MHz)	50.5	82.8	95.3	82.8
Limit (dB)	34.2	30.7	29.7	30.7



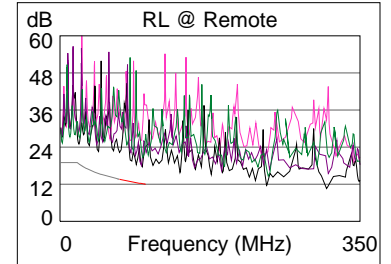
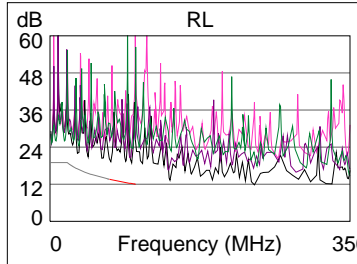
PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	78-36	36-78
<b>ELFEXT (dB)</b>	15.7	15.7	15.8	16.0
Freq. (MHz)	39.5	39.5	100.0	100.0
Limit (dB)	26.7	26.7	18.6	18.6
Worst Pair	36	36	36	36
<b>PSELFEXT (dB)</b>	16.7	16.6	16.9	17.2
Freq. (MHz)	94.0	54.0	100.0	99.8
Limit (dB)	16.2	21.0	15.6	15.6



N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR (dB)</b>	17.0	17.4	26.4	23.8
Freq. (MHz)	25.3	25.3	95.0	88.5
Limit (dB)	32.3	32.3	12.8	14.1
Worst Pair	45	36	36	36
<b>PSACR (dB)</b>	18.9	18.7	27.5	26.0
Freq. (MHz)	25.0	6.4	95.3	88.5
Limit (dB)	29.4	43.8	9.8	11.1



PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	5.7	5.3	6.6	5.3
Freq. (MHz)	70.5	95.3	95.0	95.3
Limit (dB)	13.5	12.2	12.2	12.2



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: SRV-TIE-6

# Test Summary: PASS

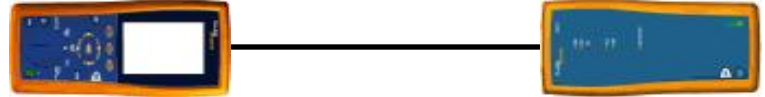
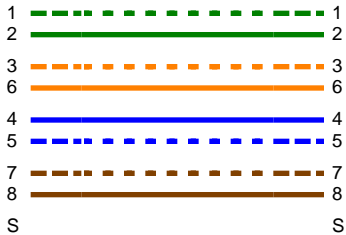
Date / Time: 01/07/2008 02:25:53pm  
**Headroom: 4.6 dB (NEXT 36-45)**  
**Test Limit: Aus/NZ PL max Class D**  
 Cable Type: \* ADC KRONE TN5E 6499-1-028 \*  
 Calibration Date: 07/03/2008

Operator: MA RITCHIE  
 Software Version: 2.0600  
 Limits Version: 1.2500  
 NVP: 70.0%

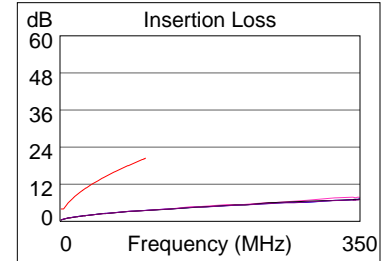
Model: DTX-1200  
 Main S/N: 9266065  
 Remote S/N: 9266066  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

### Wire Map (T568A)

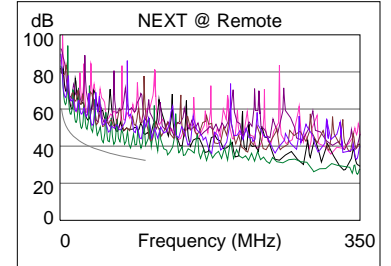
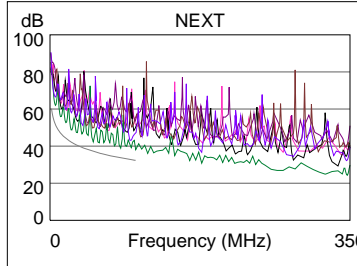
**PASS**



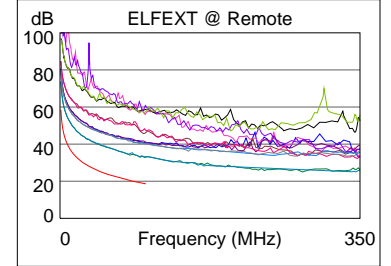
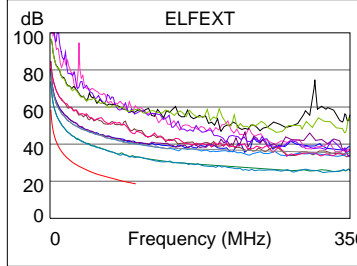
Length (m)	[Pair 36]	16.8
Prop. Delay (ns), Limit 498	[Pair 12]	82
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms), Limit 21.0	[Pair 78]	3.2
Insertion Loss Margin (dB)	[Pair 36]	16.1
Frequency (MHz)	[Pair 36]	94.5
Limit (dB)	[Pair 36]	19.8



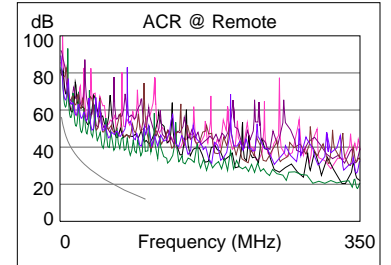
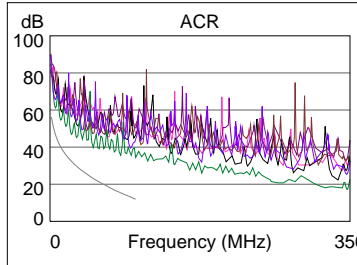
N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	5.0	4.6	5.8	5.2
Freq. (MHz)	56.5	49.8	100.0	82.0
Limit (dB)	36.4	37.3	32.3	33.7
Worst Pair	45	36	45	45
<b>PSNEXT (dB)</b>	7.2	7.0	8.0	7.9
Freq. (MHz)	56.5	50.3	100.0	94.3
Limit (dB)	33.4	34.2	29.3	29.7



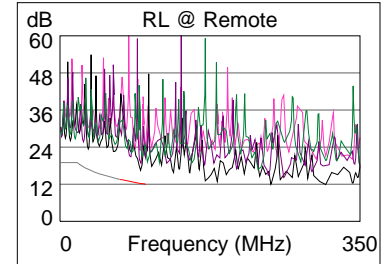
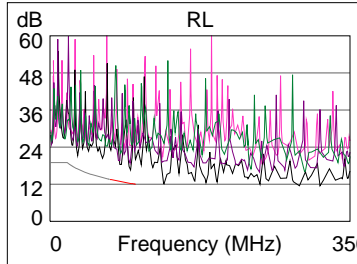
PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
<b>ELFEXT (dB)</b>	13.6	13.6	14.1	14.1
Freq. (MHz)	80.8	80.8	98.5	98.8
Limit (dB)	20.5	20.5	18.7	18.7
Worst Pair	36	45	36	45
<b>PSELFEXT (dB)</b>	16.0	15.9	16.3	16.4
Freq. (MHz)	80.8	80.8	98.5	98.5
Limit (dB)	17.5	17.5	15.7	15.7



N/A	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR (dB)</b>	14.0	14.4	22.6	22.4
Freq. (MHz)	5.5	5.5	100.0	94.5
Limit (dB)	48.1	48.1	11.9	12.9
Worst Pair	45	45	45	45
<b>PSACR (dB)</b>	15.1	15.4	24.8	24.0
Freq. (MHz)	5.5	5.5	100.0	94.3
Limit (dB)	45.1	45.1	8.9	10.0



PASS	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
<b>RL (dB)</b>	4.2	4.2	4.2	4.2
Freq. (MHz)	93.3	93.8	93.3	93.8
Limit (dB)	12.3	12.3	12.3	12.3



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