

Part #20-5512 Cat 5e Universal 12 Port Patch Panel

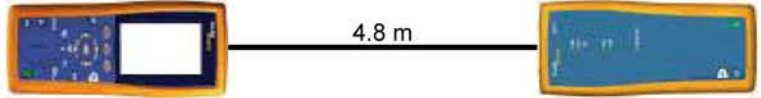
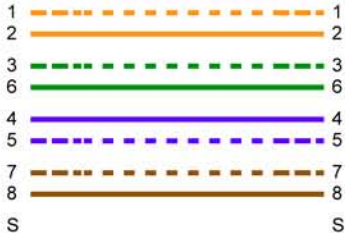
Headroom: 7.4 dB (NEXT 12-78)
Test Limit: TIA Cat 5e Perm. Link
Cable Type: Cat 5e UTP

Software Version: 2.2400
Limits Version: 1.3700
NVP: 69.0%

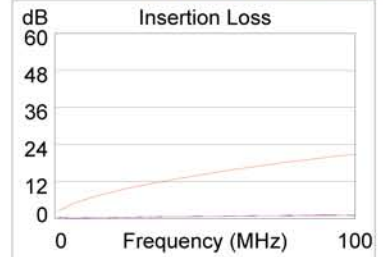
Model: DTX-1800
Main S/N: 9305151
Remote S/N: 9305152
Main Adapter: DTX-PLA002
Remote Adapter: DTX-PLA002

Wire Map (T568B)

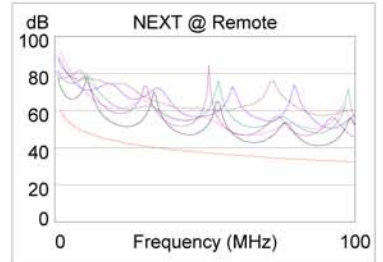
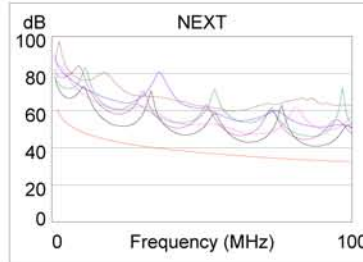
PASS



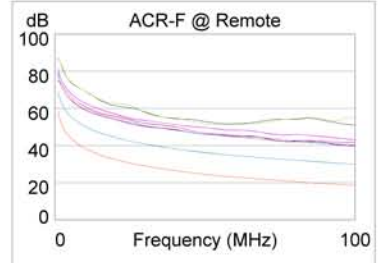
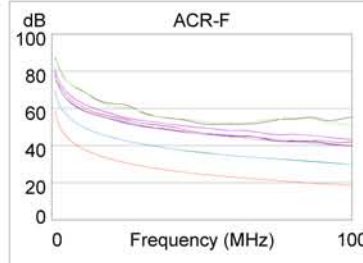
Length (m), Limit 90.0	[Pair 12]	4.8
Prop. Delay (ns), Limit 498		23
Delay Skew (ns), Limit 44		0
Resistance (ohms)	[Pair 45]	1.1
Insertion Loss Margin (dB)	[Pair 12]	19.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



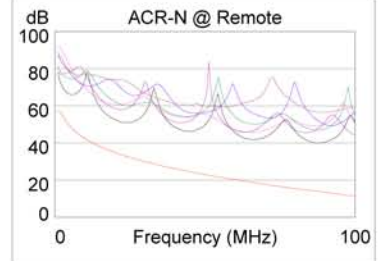
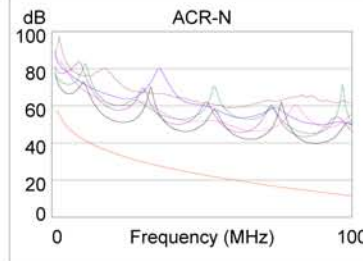
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-78	12-78	12-78	12-78
NEXT (dB)	7.4	7.4	7.4	7.8
Freq. (MHz)	87.0	65.0	87.0	86.8
Limit (dB)	33.3	35.4	33.3	33.3
Worst Pair	12	12	78	78
PS NEXT (dB)	9.0	8.8	9.3	9.9
Freq. (MHz)	64.3	64.3	87.0	86.8
Limit (dB)	32.5	32.5	30.3	30.3



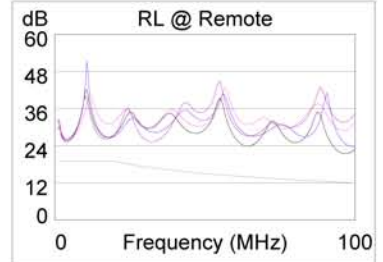
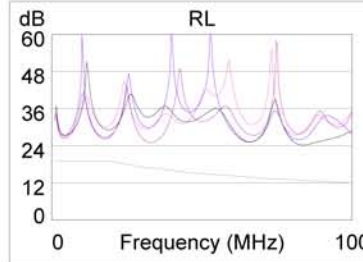
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	10.9	10.9	11.2	11.2
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	58.6	58.6	18.6	18.6
Worst Pair	36	36	36	45
PS ACR-F (dB)	12.7	12.8	13.5	13.6
Freq. (MHz)	1.3	1.3	99.3	100.0
Limit (dB)	53.7	53.7	15.7	15.6



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	12-78	12-78	12-78	12-78
ACR-N (dB)	15.5	15.1	25.7	26.1
Freq. (MHz)	2.3	1.9	87.0	86.8
Limit (dB)	55.7	57.0	13.9	13.9
Worst Pair	78	78	78	12
PS ACR-N (dB)	16.5	16.8	27.6	28.6
Freq. (MHz)	1.9	1.9	87.0	88.8
Limit (dB)	54.0	54.0	10.9	10.5



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	78	78	45	45
RL (dB)	7.3	6.2	11.5	9.3
Freq. (MHz)	17.3	3.4	83.0	96.3
Limit (dB)	19.0	19.0	12.8	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	

DataComm Electronics' Connectivity Products Carry a Lifetime Warranty



Meets All UL Standards and Requirements for Cat 5e Patch Panels



Intertek ETL Semko Verified and Tested to Cat 5e Industry Standards & Certifications



3P Third Party Testing Verified and Tested to Cat 5e Industry Standards & Certifications



Part #20-5524 Cat 5e Universal 24 Port Patch Panel

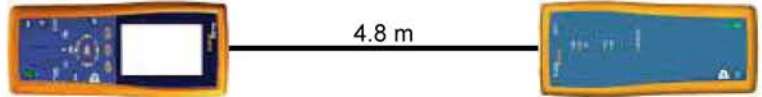
Headroom: 7.3 dB (NEXT 12-78)
 Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e UTP

Software Version: 2.2400
 Limits Version: 1.3700
 NVP: 69.0%

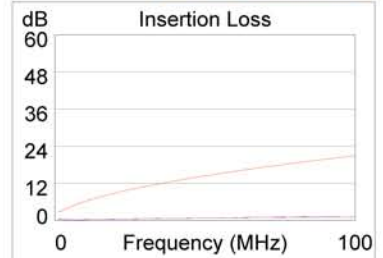
Model: DTX-1800
 Main S/N: 9305151
 Remote S/N: 9305152
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

Wire Map (T568B)

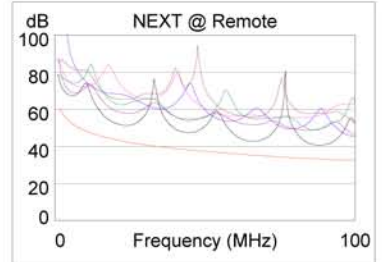
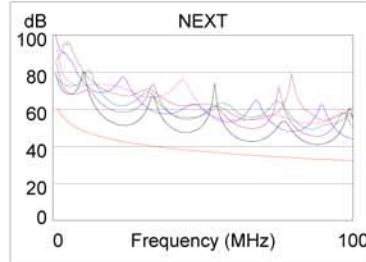
PASS



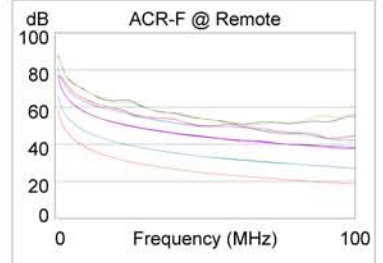
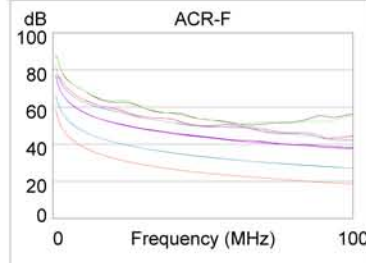
Length (m), Limit 90.0	[Pair 12]	4.8
Prop. Delay (ns), Limit 498		23
Delay Skew (ns), Limit 44		0
Resistance (ohms)	[Pair 78]	1.2
Insertion Loss Margin (dB)	[Pair 36]	19.5
Frequency (MHz)	[Pair 36]	98.8
Limit (dB)	[Pair 36]	20.8



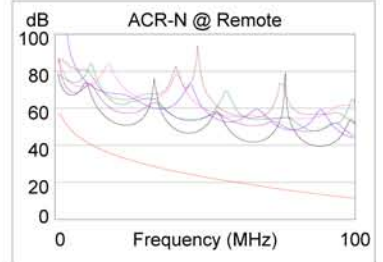
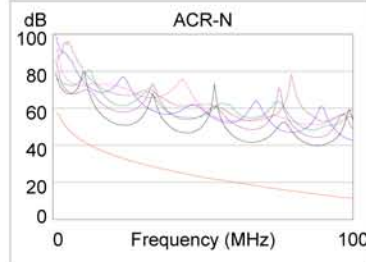
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-78	12-78	12-78	12-78
NEXT (dB)	7.3	7.3	7.7	7.3
Freq. (MHz)	64.8	87.5	87.3	87.5
Limit (dB)	35.4	33.3	33.3	33.3
Worst Pair	78	78	78	78
PS NEXT (dB)	9.8	9.6	10.0	9.6
Freq. (MHz)	64.8	87.5	87.3	87.5
Limit (dB)	32.4	30.3	30.3	30.3



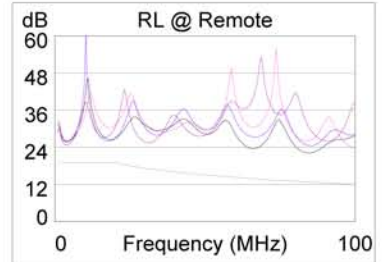
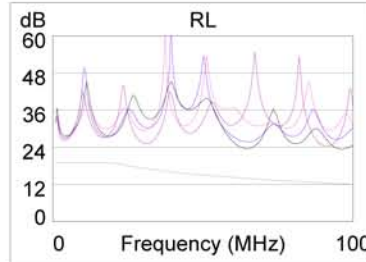
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-36	36-45	36-45	36-45
ACR-F (dB)	7.9	7.9	8.4	8.4
Freq. (MHz)	1.0	1.0	99.0	99.3
Limit (dB)	58.6	58.6	18.7	18.7
Worst Pair	36	36	45	45
PS ACR-F (dB)	10.2	10.2	10.9	10.9
Freq. (MHz)	1.0	1.0	99.0	98.8
Limit (dB)	55.6	55.6	15.7	15.7



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	12-78	12-78	12-78	12-78
ACR-N (dB)	16.6	15.9	26.0	25.6
Freq. (MHz)	2.1	2.3	87.3	87.5
Limit (dB)	56.1	55.7	13.8	13.8
Worst Pair	78	78	78	78
PS ACR-N (dB)	17.5	17.5	28.3	27.9
Freq. (MHz)	1.9	1.9	87.3	87.5
Limit (dB)	54.0	54.0	10.8	10.8



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	78	78	45	45
RL (dB)	7.3	5.8	11.2	9.3
Freq. (MHz)	3.5	3.6	95.8	84.3
Limit (dB)	19.0	19.0	12.2	12.8



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

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Meets All UL Standards and Requirements for Cat 5e Patch Panels



Interkek ETL Semko Verified and Tested to Cat 5e Industry Standards & Certifications



3P Third Party Testing Verified and Tested to Cat 5e Industry Standards & Certifications



Test Summary: PASS

Model: DTX-1800
 Main S/N: 9305151
 Remote S/N: 9305152
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

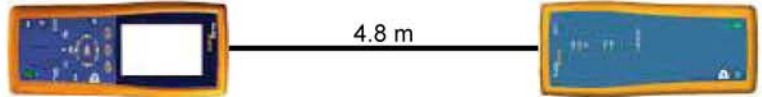
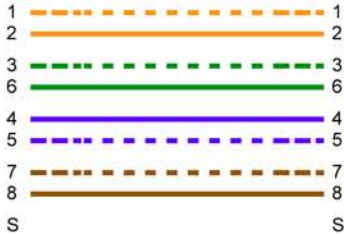
Part #20-5548 Cat 5e Universal 48 Port Patch Panel

Headroom: 7.2 dB (NEXT 12-78)
 Test Limit: TIA Cat 5e Perm. Link
 Cable Type: Cat 5e UTP

Software Version: 2.2400
 Limits Version: 1.3700
 NVP: 69.0%

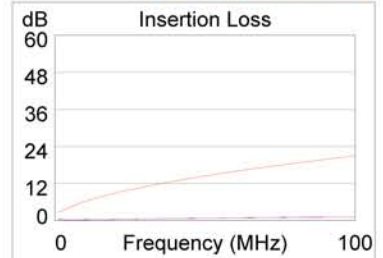
Wire Map (T568B)

PASS

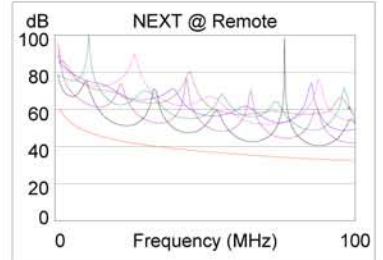
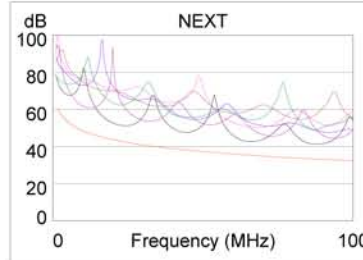


Length (m), Limit 90.0	[Pair 12]	4.8
Prop. Delay (ns), Limit 498		23
Delay Skew (ns), Limit 44		0
Resistance (ohms)	[Pair 45]	1.0

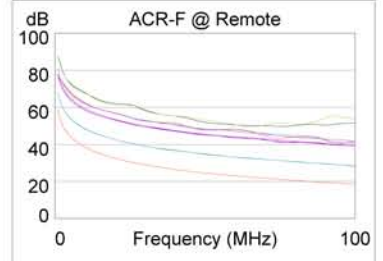
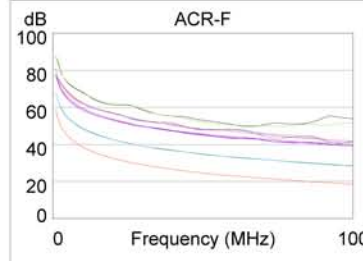
Insertion Loss Margin (dB)	[Pair 12]	19.8
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	21.0



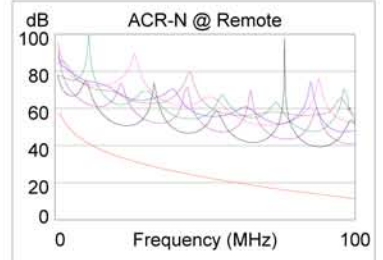
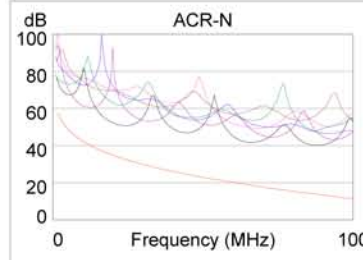
Worst Case Margin	Worst Case Value	
	MAIN	SR
PASS		
Worst Pair	12-78	12-78
NEXT (dB)	7.3	7.2
Freq. (MHz)	64.8	64.8
Limit (dB)	35.4	35.4
Worst Pair	12	78
PS NEXT (dB)	9.3	9.5
Freq. (MHz)	66.5	87.3
Limit (dB)	32.2	30.3



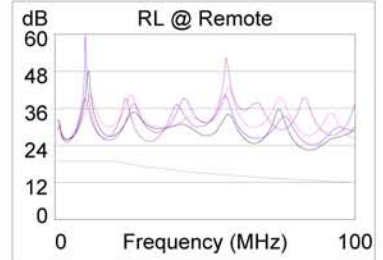
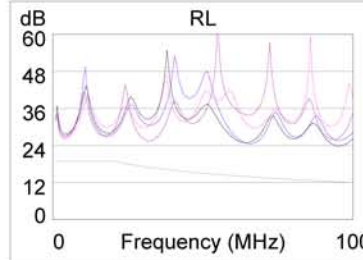
Worst Case Margin	Worst Case Value	
	MAIN	SR
PASS		
Worst Pair	36-45	36-45
ACR-F (dB)	9.3	9.3
Freq. (MHz)	1.0	1.0
Limit (dB)	58.6	58.6
Worst Pair	36	36
PS ACR-F (dB)	11.4	11.4
Freq. (MHz)	1.1	1.1
Limit (dB)	54.6	54.6



Worst Case Margin	Worst Case Value	
	MAIN	SR
N/A		
Worst Pair	12-78	12-78
ACR-N (dB)	16.2	15.5
Freq. (MHz)	1.9	2.3
Limit (dB)	57.0	55.7
Worst Pair	78	78
PS ACR-N (dB)	17.1	17.3
Freq. (MHz)	1.9	1.9
Limit (dB)	54.0	54.0



Worst Case Margin	Worst Case Value	
	MAIN	SR
N/A		
Worst Pair	78	78
RL (dB)	7.3	6.0
Freq. (MHz)	3.9	3.6
Limit (dB)	19.0	19.0



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	

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Meets All UL Standards and Requirements for Cat 5e Patch Panels



Intertek ETL Semko Verified and Tested to Cat 5e Industry Standards & Certifications



3P Third Party Testing Verified and Tested to Cat 5e Industry Standards & Certifications



Part #20-5612 Cat 6 Universal 12 Port Patch Panel

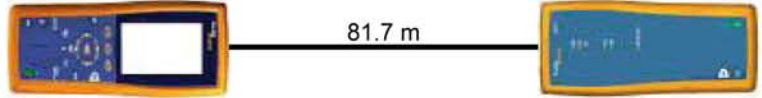
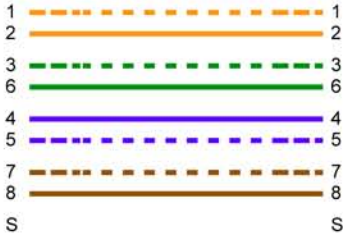
Headroom: 3.7 dB (NEXT 36-45)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 UTP

Software Version: 2.2400
 Limits Version: 1.3700
 NVP: 69.0%

Model: DTX-1800
 Main S/N: 9305151
 Remote S/N: 9305152
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

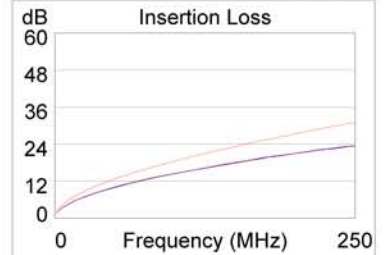
Wire Map (T568B)

PASS

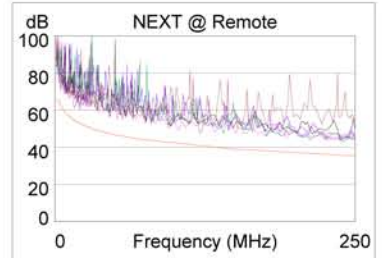
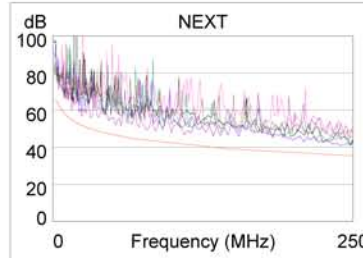


Length (m), Limit 90.0	[Pair 45]	81.7
Prop. Delay (ns), Limit 498		422
Delay Skew (ns), Limit 44		27
Resistance (ohms)	[Pair 12]	11.8

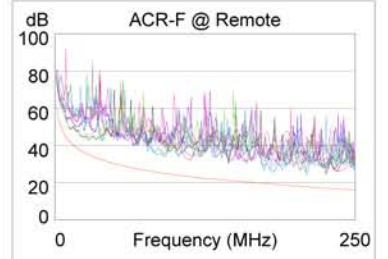
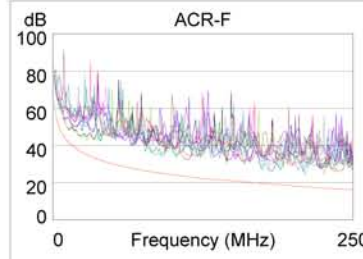
Insertion Loss Margin (dB)	[Pair 78]	7.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1



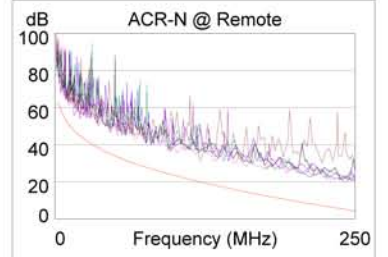
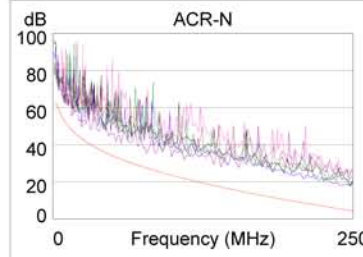
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	12-36	36-78
NEXT (dB)	3.7	5.7	4.3	7.1
Freq. (MHz)	78.3	16.1	241.0	239.5
Limit (dB)	43.6	54.6	35.6	35.6
Worst Pair	36	12	36	12
PS NEXT (dB)	4.6	6.0	4.6	6.0
Freq. (MHz)	247.5	237.5	247.5	237.5
Limit (dB)	32.8	33.1	32.8	33.1



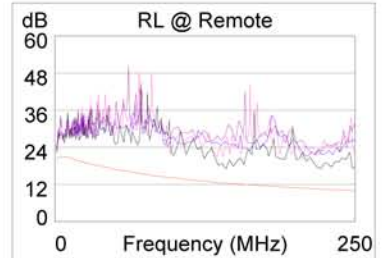
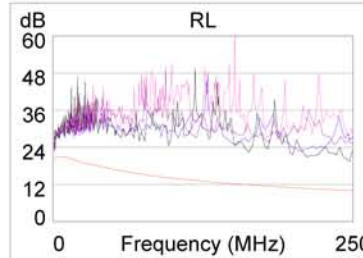
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-78	78-12	78-12	12-78
ACR-F (dB)	6.4	6.4	7.5	7.6
Freq. (MHz)	12.9	12.9	226.5	226.5
Limit (dB)	42.0	42.0	17.1	17.1
Worst Pair	12	12	12	78
PS ACR-F (dB)	8.4	8.1	9.5	8.9
Freq. (MHz)	11.6	13.1	226.5	227.0
Limit (dB)	39.9	38.8	14.1	14.1



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	36-45	36-45	12-36	36-78
ACR-N (dB)	6.3	7.3	11.8	14.2
Freq. (MHz)	24.1	16.0	240.5	239.5
Limit (dB)	43.1	47.6	5.2	5.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	6.8	8.5	12.2	13.7
Freq. (MHz)	23.9	16.0	247.5	244.0
Limit (dB)	40.8	45.2	1.9	2.2



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45	45	45	45
RL (dB)	5.1	3.8	9.4	4.2
Freq. (MHz)	5.3	7.5	247.0	143.5
Limit (dB)	21.0	21.0	10.1	12.4



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	

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Meets All UL Standards and Requirements for Cat 6 Patch Panels



Intertek ETL Semko Verified and Tested to Cat 6 Industry Standards & Certifications



3P Third Party Testing Verified and Tested to Cat 6 Industry Standards & Certifications



Part #20-5624 Cat 6 Universal 24 Port Patch Panel

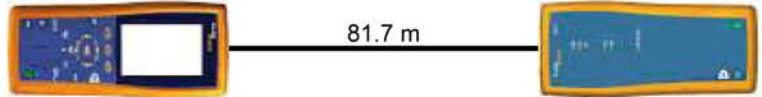
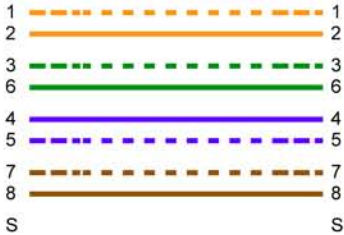
Model: DTX-1800
 Main S/N: 9305151
 Remote S/N: 9305152
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

Headroom: 3.9 dB (NEXT 36-45)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 UTP

Software Version: 2.2400
 Limits Version: 1.3700
 NVP: 69.0%

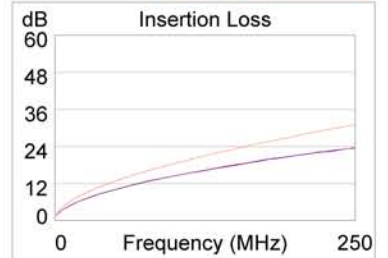
Wire Map (T568B)

PASS

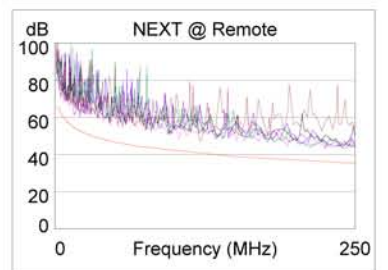
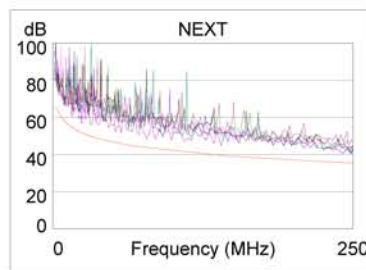


Length (m), Limit 90.0	[Pair 45]	81.7
Prop. Delay (ns), Limit 498		422
Delay Skew (ns), Limit 44		27
Resistance (ohms)	[Pair 12]	11.8

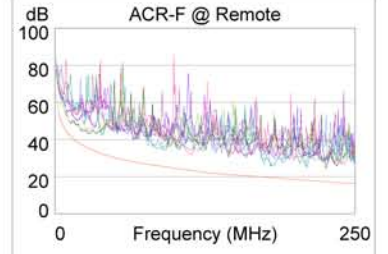
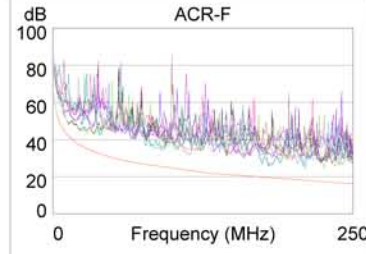
Insertion Loss Margin (dB)	[Pair 78]	7.4
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1



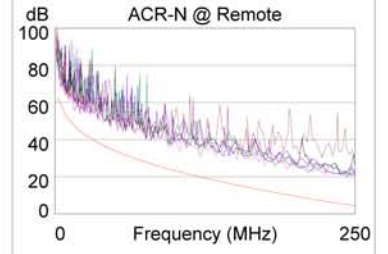
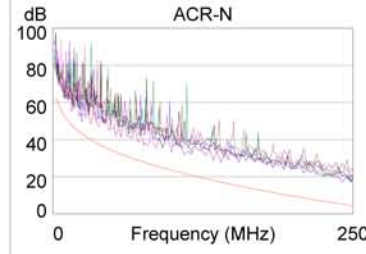
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	12-36	36-78
NEXT (dB)	3.9	5.6	4.7	7.0
Freq. (MHz)	78.3	16.1	241.0	239.5
Limit (dB)	43.6	54.6	35.6	35.6
Worst Pair	12	12	36	12
PS NEXT (dB)	4.4	6.0	4.4	6.0
Freq. (MHz)	241.0	237.5	248.0	237.5
Limit (dB)	33.0	33.1	32.8	33.1



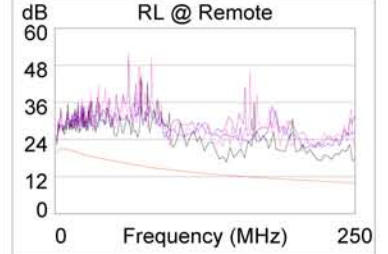
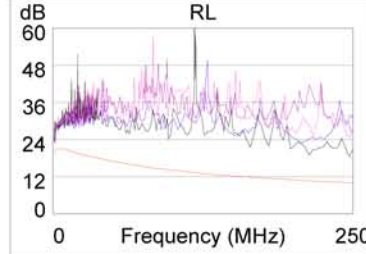
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-78	78-12	78-12	12-78
ACR-F (dB)	6.3	6.3	7.4	7.5
Freq. (MHz)	13.0	13.0	226.0	226.5
Limit (dB)	41.9	41.9	17.1	17.1
Worst Pair	12	12	12	78
PS ACR-F (dB)	8.4	8.1	9.3	9.0
Freq. (MHz)	12.8	13.0	226.5	226.5
Limit (dB)	39.1	38.9	14.1	14.1



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	36-45	36-45	12-78	36-78
ACR-N (dB)	6.5	7.2	12.8	14.1
Freq. (MHz)	24.1	16.0	248.5	239.5
Limit (dB)	43.1	47.6	4.4	5.3
Worst Pair	36	45	12	36
PS ACR-N (dB)	7.0	8.0	11.9	13.6
Freq. (MHz)	23.9	4.8	248.0	244.0
Limit (dB)	40.8	56.8	1.8	2.2



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45	45	45	45
RL (dB)	5.1	3.8	8.4	4.2
Freq. (MHz)	5.3	7.5	247.5	143.5
Limit (dB)	21.0	21.0	10.1	12.4



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	

DataComm Electronics' Connectivity Products Carry a Lifetime Warranty

LinkWare Version 6.0



Meets All UL Standards and Requirements for Cat 6 Patch Panels



Intertek ETL Semko Verified and Tested to Cat 6 Industry Standards & Certifications



3P Third Party Testing Verified and Tested to Cat 6 Industry Standards & Certifications



Test Summary: PASS

Model: DTX-1800
 Main S/N: 9305151
 Remote S/N: 9305152
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

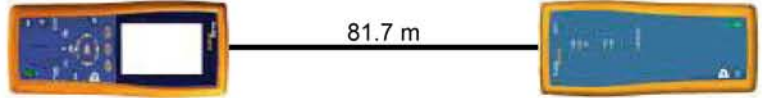
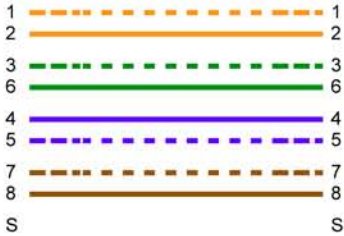
Part #20-5648 Cat 6 Universal 48 Port Patch Panel

Headroom: 4.0 dB (NEXT 12-36)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 UTP

Software Version: 2.2400
 Limits Version: 1.3700
 NVP: 69.0%

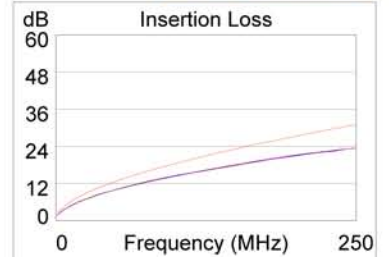
Wire Map (T568B)

PASS

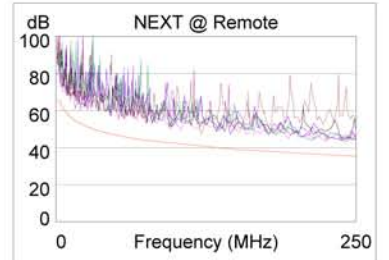
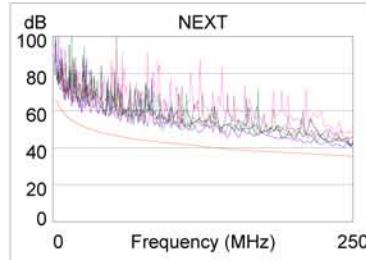


Length (m), Limit 90.0	[Pair 45]	81.7
Prop. Delay (ns), Limit 498		422
Delay Skew (ns), Limit 44		27
Resistance (ohms)	[Pair 12]	11.7

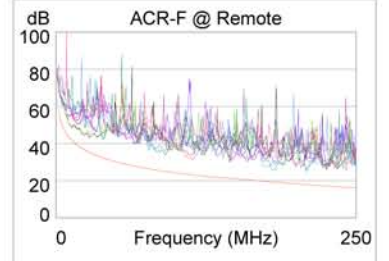
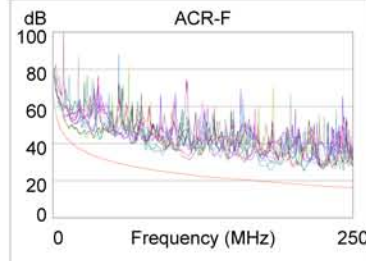
Insertion Loss Margin (dB)	[Pair 12]	7.5
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	31.1



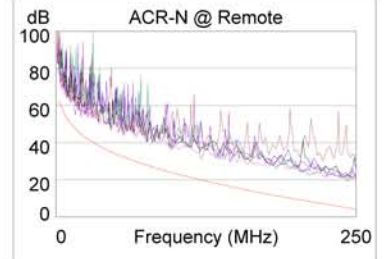
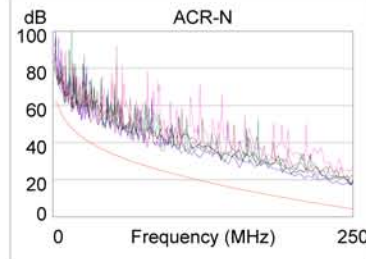
Worst Case Margin	Worst Case Value	
	MAIN	SR
PASS		
Worst Pair	12-36	36-45
NEXT (dB)	4.0	6.0
Freq. (MHz)	241.0	16.1
Limit (dB)	35.6	54.6
Worst Pair	36	12
PS NEXT (dB)	3.5	6.0
Freq. (MHz)	247.5	237.5
Limit (dB)	32.8	33.1



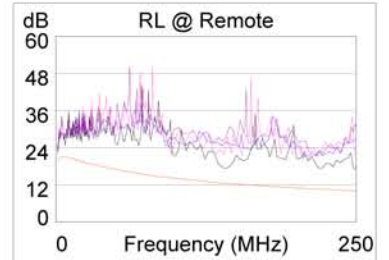
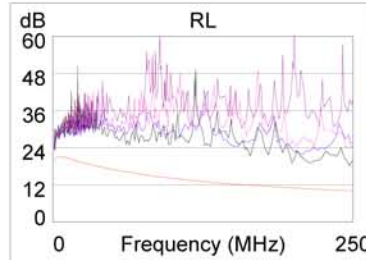
Worst Case Margin	Worst Case Value	
	MAIN	SR
PASS		
Worst Pair	12-78	78-12
ACR-F (dB)	6.3	6.3
Freq. (MHz)	12.9	12.9
Limit (dB)	42.0	42.0
Worst Pair	45	12
PS ACR-F (dB)	8.1	8.0
Freq. (MHz)	183.0	12.9
Limit (dB)	15.9	39.0



Worst Case Margin	Worst Case Value	
	MAIN	SR
N/A		
Worst Pair	12-36	36-45
ACR-N (dB)	8.5	7.6
Freq. (MHz)	23.8	16.0
Limit (dB)	43.2	47.6
Worst Pair	78	36
PS ACR-N (dB)	7.7	8.7
Freq. (MHz)	9.4	16.0
Limit (dB)	50.6	45.2



Worst Case Margin	Worst Case Value	
	MAIN	SR
PASS		
Worst Pair	45	45
RL (dB)	5.1	3.8
Freq. (MHz)	5.3	7.5
Limit (dB)	21.0	21.0



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	

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