



Cable ID: CAT6A HDJ SERIES U/UTP CABLING SYSTEM CL

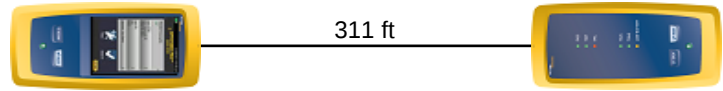
Date / Time: 10/14/2021 04:33:04 PM
Headroom 7.6 dB (NEXT 36-45) Test
Limit: TIA Cat 6A Channel Cable
Type: Cat 6A U/UTP
NVP: 68.2%

Operator: Sam Hen
Software Version: V6.6 Build 2
Limits Version: V7.6
Calibration Date:
Main (Module): 09/30/2021
Remote (Module): 09/30/2021

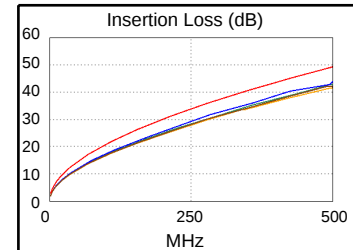
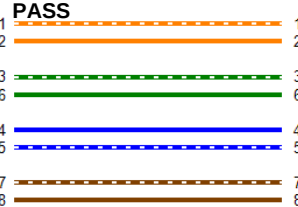
Test Summary: PASS

Model: DSX-5000
Main S/N: 3658026
Remote S/N: 3658040
Main Adapter: DSX-CHA004
Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	311
Prop. Delay (ns), Limit 555	[Pair 36]	491
Delay Skew (ns), Limit 50	[Pair 36]	28
Resistance (ohms)	[Pair 36]	13.54
Insertion Loss Margin (dB)	[Pair 45]	5.3
Frequency (MHz)	[Pair 45]	500.0
Limit (dB)	[Pair 45]	49.3

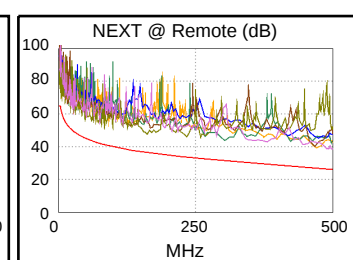
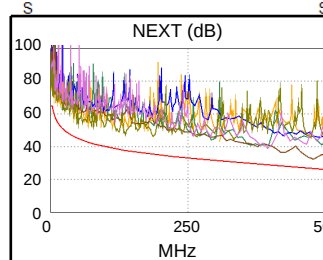


Wire Map (T568B)

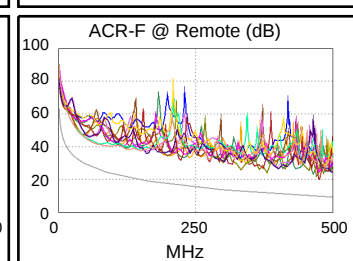
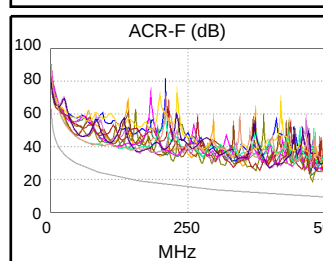


Worst Case Margin Worst Case Value

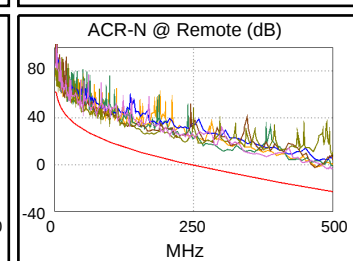
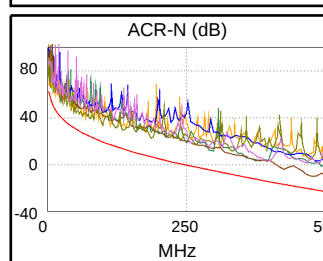
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	12-36
NEXT (dB)	7.6	9.6	7.6	11.7
Freq. (MHz)	477.0	4.1	477.0	473.0
Limit (dB)	26.7	62.8	26.7	26.8
Worst Pair	45	36	45	36
PS NEXT (dB)	8.2	9.2	8.3	12.7
Freq. (MHz)	477.0	6.3	478.0	471.0
Limit (dB)	23.8	57.4	23.7	23.9



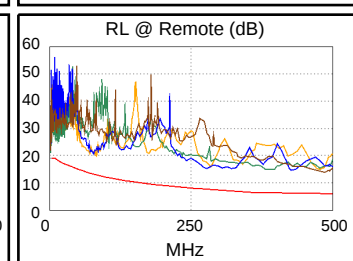
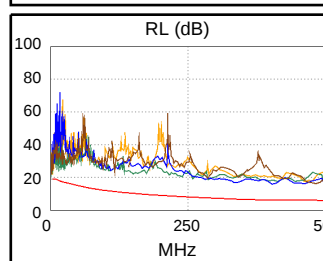
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	9.0	10.4	9.0	10.4
Freq. (MHz)	476.0	476.0	476.0	476.0
Limit (dB)	9.7	9.7	9.7	9.7
Worst Pair	45	36	45	36
PS ACR-F (dB)	10.0	12.9	10.0	12.9
Freq. (MHz)	476.0	476.0	476.0	476.0
Limit (dB)	6.7	6.7	6.7	6.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	45-78
ACR-N (dB)	10.7	10.6	10.7	18.7
Freq. (MHz)	477.0	4.1	477.0	489.0
Limit (dB)	-21.4	58.6	-21.4	-22.3
Worst Pair	36	36	45	45
PS ACR-N (dB)	11.7	10.4	15.0	18.9
Freq. (MHz)	6.3	6.3	500.0	500.0
Limit (dB)	52.2	52.2	-26.1	-26.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	78
RL (dB)	6.4	6.4	9.7	7.5
Freq. (MHz)	3.6	82.3	401.0	481.0
Limit (dB)	19.0	12.8	6.0	6.0



Compliant Network Standards:

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



Cable ID: CAT6A SDJ SERIES U/UTP CABLING SYSTEM CL

Date / Time: 10/14/2021 04:31:20 PM

Headroom 7.6 dB (NEXT 36-45) Test

Limit: TIA Cat 6A Channel Cable

Type: Cat 6A U/UTP

NVP: 68.2%

Operator: Sam Hen

Software Version: V6.6 Build 2

Limits Version: V7.6

Calibration Date:

Main (Module): 09/30/2021

Remote (Module): 09/30/2021

Test Summary: PASS

Model: DSX-5000

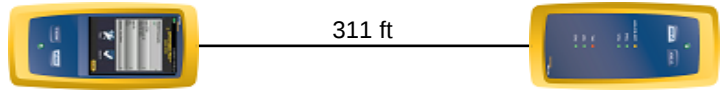
Main S/N: 3658026

Remote S/N: 3658040

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 12]	311
Prop. Delay (ns), Limit 555	[Pair 36]	491
Delay Skew (ns), Limit 50	[Pair 36]	28
Resistance (ohms)	[Pair 36]	13.54
Insertion Loss Margin (dB)	[Pair 45]	5.3
Frequency (MHz)	[Pair 45]	500.0
Limit (dB)	[Pair 45]	49.3

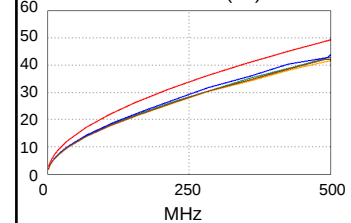


Wire Map (T568B)

PASS

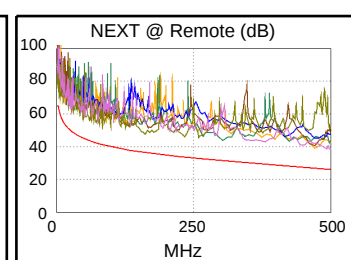
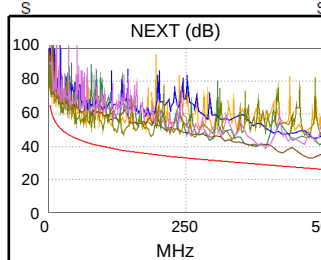


Insertion Loss (dB)

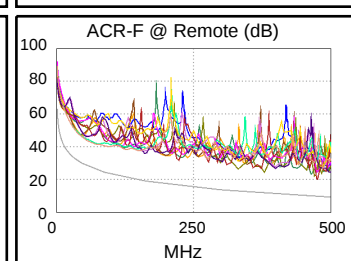
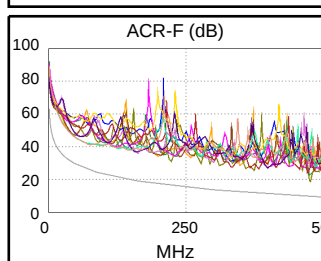


Worst Case Margin Worst Case Value

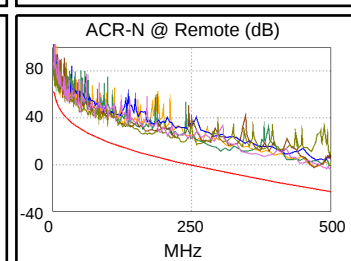
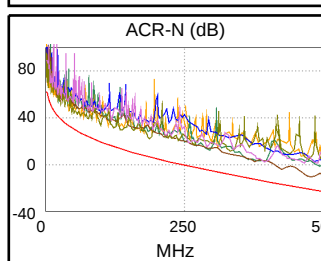
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	45-78
NEXT (dB)	7.6	9.7	7.6	12.4
Freq. (MHz)	477.0	6.4	477.0	500.0
Limit (dB)	26.7	59.8	26.7	26.1
Worst Pair	45	36	45	36
PS NEXT (dB)	8.1	9.2	8.1	12.8
Freq. (MHz)	477.0	6.3	477.0	471.0
Limit (dB)	23.8	57.4	23.8	23.9



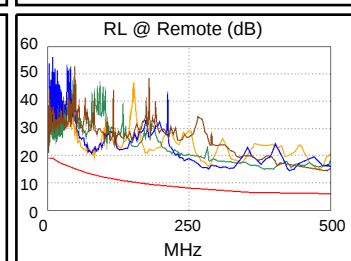
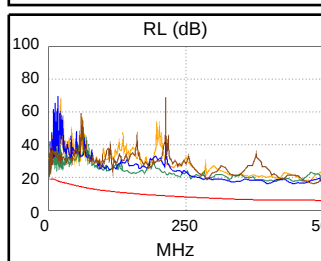
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	9.0	10.4	9.0	10.4
Freq. (MHz)	476.0	476.0	476.0	476.0
Limit (dB)	9.7	9.7	9.7	9.7
Worst Pair	45	36	45	36
PS ACR-F (dB)	10.0	12.9	10.0	12.9
Freq. (MHz)	476.0	476.0	476.0	476.0
Limit (dB)	6.7	6.7	6.7	6.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	45-78
ACR-N (dB)	10.7	10.8	10.7	18.7
Freq. (MHz)	477.0	6.4	477.0	489.0
Limit (dB)	-21.4	54.6	-21.4	-22.3
Worst Pair	36	36	45	45
PS ACR-N (dB)	11.6	10.4	15.0	19.0
Freq. (MHz)	6.3	6.3	500.0	500.0
Limit (dB)	52.2	52.2	-26.1	-26.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	78
RL (dB)	6.5	6.5	9.7	7.6
Freq. (MHz)	3.6	82.3	401.0	481.0
Limit (dB)	19.0	12.8	6.0	6.0



Compliant Network Standards:

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



Cable ID: CAT6 HDJ SERIES U/UTP CABLING SYSTEM CL

Date / Time: 10/12/2021 04:48:02 PM

Headroom 11.2 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: Sam Hen

Software Version: V6.6 Build 2

Limits Version: V7.6

Calibration Date:

Main (Module): 09/30/2021

Remote (Module): 09/30/2021

Test Summary: PASS

Model: DSX-5000

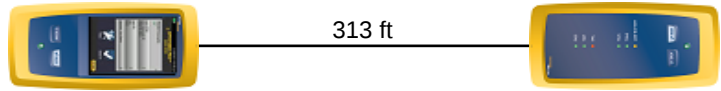
Main S/N: 3658026

Remote S/N: 3658040

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 78]	313
Prop. Delay (ns), Limit 555	[Pair 45]	484
Delay Skew (ns), Limit 50	[Pair 45]	23
Resistance (ohms)	[Pair 45]	14.92
Insertion Loss Margin (dB)	[Pair 45]	5.2
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9

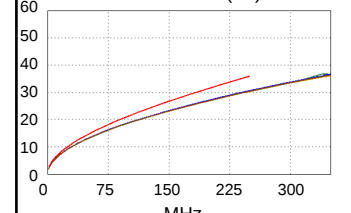


Wire Map (T568B)

PASS

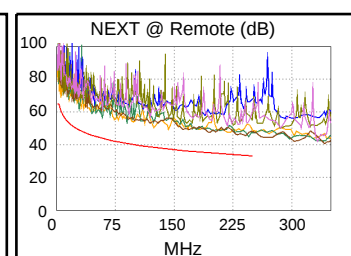
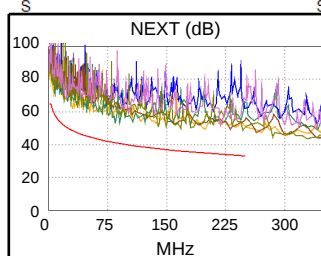


Insertion Loss (dB)

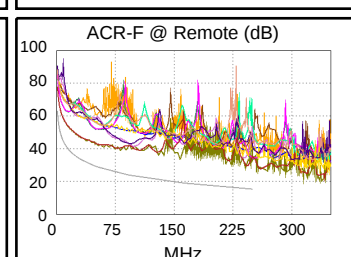
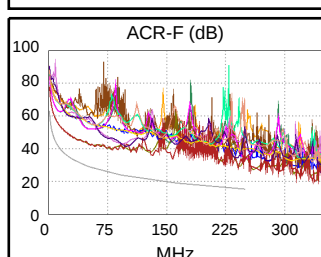


Worst Case Margin Worst Case Value

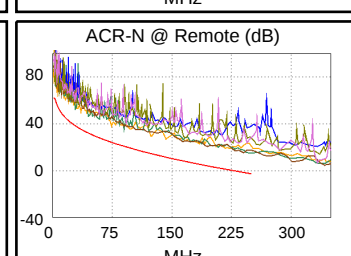
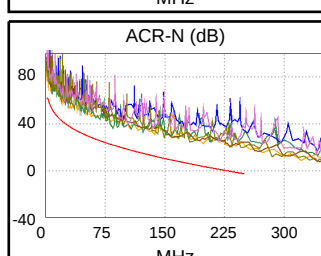
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	12-45
NEXT (dB)	12.1	11.2	15.7	11.5
Freq. (MHz)	3.3	5.4	247.0	246.0
Limit (dB)	64.5	61.0	33.2	33.2
Worst Pair	36	36	36	45
PS NEXT (dB)	12.4	12.1	15.6	12.3
Freq. (MHz)	3.3	167.5	233.0	245.5
Limit (dB)	62.0	33.2	30.7	30.3



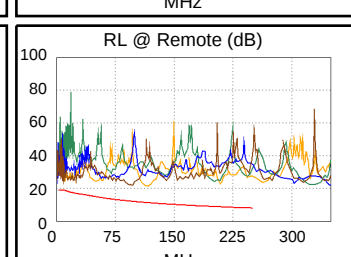
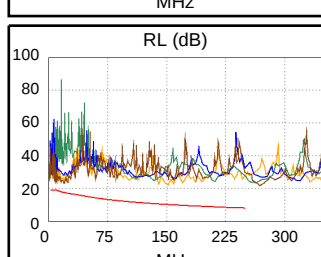
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	12.5	12.3	12.5	12.3
Freq. (MHz)	241.5	241.5	241.5	241.5
Limit (dB)	15.6	15.6	15.6	15.6
Worst Pair	36	45	36	45
PS ACR-F (dB)	14.4	15.0	14.4	15.0
Freq. (MHz)	241.5	243.5	241.5	243.5
Limit (dB)	12.6	12.5	12.6	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	12-45
ACR-N (dB)	12.5	11.8	21.1	16.7
Freq. (MHz)	3.3	5.4	247.0	246.0
Limit (dB)	60.9	56.3	-2.5	-2.4
Worst Pair	36	36	36	45
PS ACR-N (dB)	12.8	13.6	22.2	17.5
Freq. (MHz)	3.3	3.3	249.0	245.5
Limit (dB)	58.4	58.4	-5.7	-5.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	12
RL (dB)	5.3	6.3	12.4	10.0
Freq. (MHz)	19.0	15.6	160.5	118.0
Limit (dB)	17.6	18.0	9.9	11.3



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		



Cable ID: CAT6 SDJ SERIES U/UTP CABLING SYSTEM CL

Date / Time: 10/12/2021 04:49:38 PM

Headroom 11.2 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Operator: Sam Hen

Software Version: V6.6 Build 2

Limits Version: V7.6

Calibration Date:

Main (Module): 09/30/2021

Remote (Module): 09/30/2021

Test Summary: PASS

Model: DSX-5000

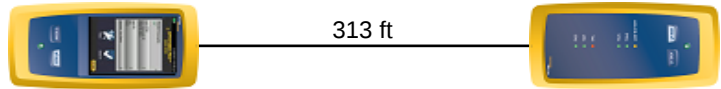
Main S/N: 3658026

Remote S/N: 3658040

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 78]	313
Prop. Delay (ns), Limit 555	[Pair 45]	484
Delay Skew (ns), Limit 50	[Pair 45]	23
Resistance (ohms)	[Pair 45]	14.92
Insertion Loss Margin (dB)	[Pair 45]	5.2
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9

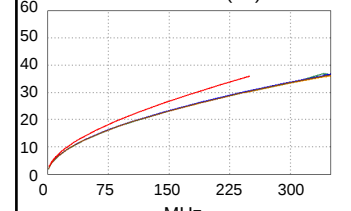


Wire Map (T568B)

PASS

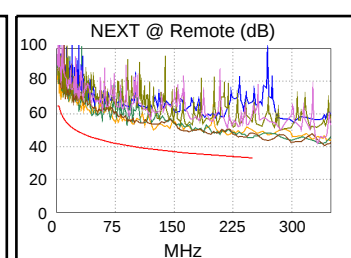
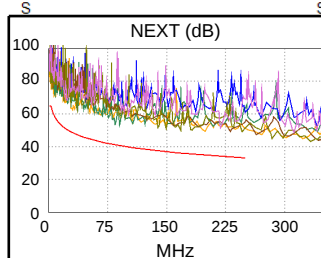


Insertion Loss (dB)

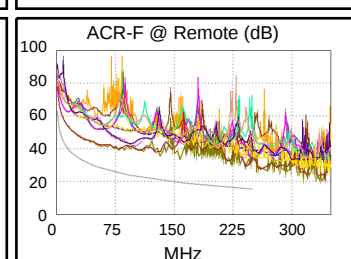
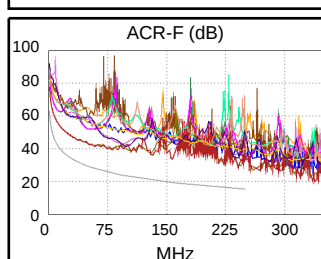


Worst Case Margin Worst Case Value

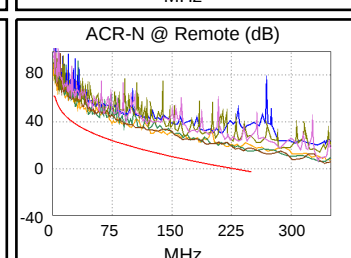
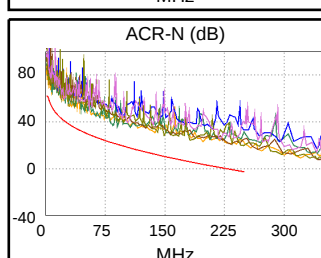
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	12-45
NEXT (dB)	12.2	11.2	15.6	11.5
Freq. (MHz)	6.4	5.4	247.0	246.0
Limit (dB)	59.8	61.0	33.2	33.2
Worst Pair	36	36	36	45
PS NEXT (dB)	12.6	12.1	15.7	12.3
Freq. (MHz)	3.3	167.5	233.0	245.5
Limit (dB)	62.0	33.2	30.7	30.3



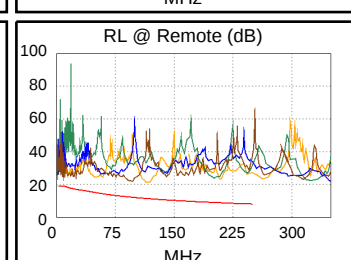
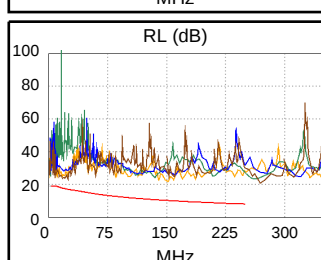
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	12.6	12.4	12.6	12.5
Freq. (MHz)	241.5	241.5	241.5	243.5
Limit (dB)	15.6	15.6	15.6	15.5
Worst Pair	36	45	36	45
PS ACR-F (dB)	14.5	15.0	14.5	15.0
Freq. (MHz)	241.5	243.5	241.5	243.5
Limit (dB)	12.6	12.5	12.6	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-78	12-45
ACR-N (dB)	12.6	11.7	21.0	16.7
Freq. (MHz)	3.3	3.1	247.0	246.0
Limit (dB)	60.9	61.2	-2.5	-2.4
Worst Pair	36	36	36	45
PS ACR-N (dB)	13.0	13.6	22.0	17.5
Freq. (MHz)	3.3	3.1	249.0	245.5
Limit (dB)	58.4	58.4	-5.7	-5.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	12
RL (dB)	5.3	6.3	11.5	9.9
Freq. (MHz)	19.1	15.6	152.0	118.0
Limit (dB)	17.6	18.0	10.2	11.3



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		



Cable ID: CAT5E HDJ SERIES U/UTP CABLING SYSTEM CL

Date / Time: 10/08/2021 01:51:05 PM

Headroom 8.4 dB (NEXT 36-45)

Test Limit: TIA Cat 5e Channel

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: Sam Hen

Software Version: V6.6 Build 2

Limits Version: V7.6

Calibration Date:

Main (Module): 09/30/2021

Remote (Module): 09/30/2021

Test Summary: PASS

Model: DSX-5000

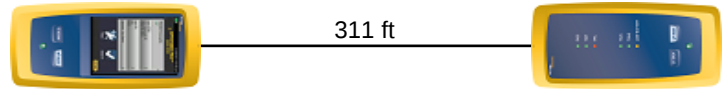
Main S/N: 3658026

Remote S/N: 3658040

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 78]	311
Prop. Delay (ns), Limit 555	[Pair 45]	476
Delay Skew (ns), Limit 50	[Pair 45]	17
Resistance (ohms)	[Pair 45]	17.76
Insertion Loss Margin (dB)	[Pair 36]	3.5
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0

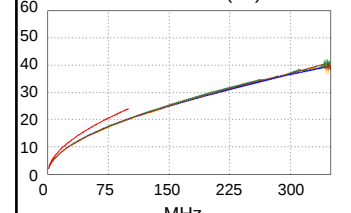


Wire Map (T568B)

PASS

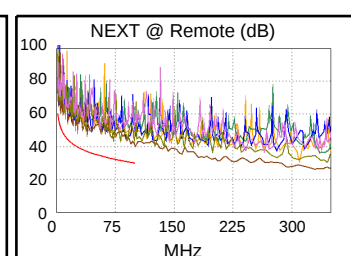
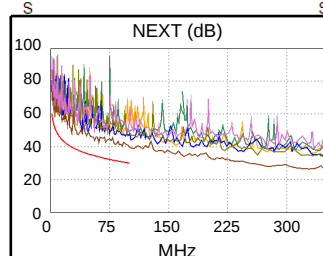


Insertion Loss (dB)

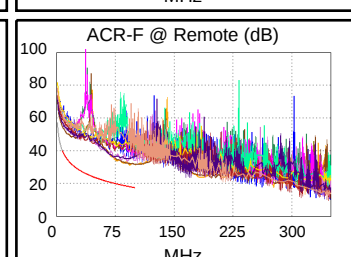
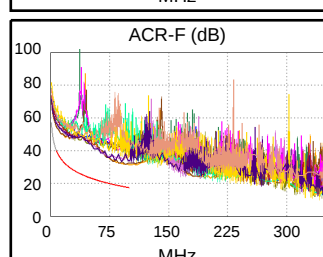


Worst Case Margin Worst Case Value

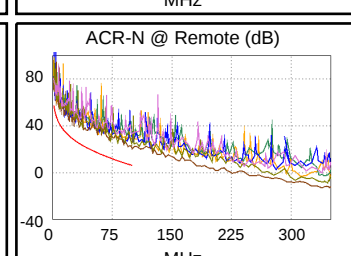
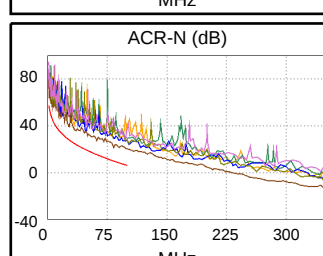
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	8.4	9.7	8.2	10.4
Freq. (MHz)	83.3	2.1	83.3	100.0
Limit (dB)	31.5	58.0	31.5	30.1
Worst Pair	36	36	36	36
PS NEXT (dB)	10.4	11.7	10.9	11.7
Freq. (MHz)	34.5	99.8	83.3	99.8
Limit (dB)	35.0	27.1	28.5	27.1



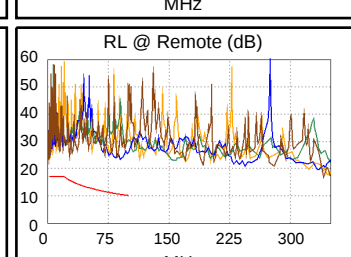
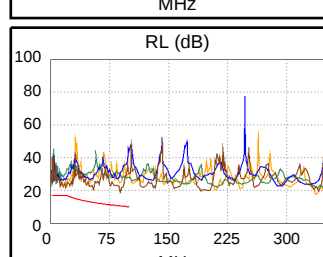
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-F (dB)	13.6	13.2	13.7	13.5
Freq. (MHz)	90.0	93.3	99.3	100.0
Limit (dB)	18.3	18.0	17.5	17.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	13.0	13.1	14.3	14.8
Freq. (MHz)	1.0	1.1	94.3	100.0
Limit (dB)	54.4	53.4	14.9	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	10.2	10.1	13.8	14.2
Freq. (MHz)	26.8	2.1	99.8	100.0
Limit (dB)	28.0	54.8	6.1	6.1
Worst Pair	36	45	36	36
PS ACR-N (dB)	12.3	12.1	15.9	15.3
Freq. (MHz)	34.5	2.1	99.5	100.0
Limit (dB)	21.4	51.8	3.2	3.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	12	78	45
RL (dB)	4.5	8.1	8.5	12.9
Freq. (MHz)	19.3	2.6	88.8	89.8
Limit (dB)	17.0	17.0	10.5	10.5



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		



Cable ID: CAT5E SDJ SERIES U/UTP CABLING SYSTEM CL

Date / Time: 10/08/2021 01:32:09

PM Headroom 9.7 dB (NEXT 36-45)

Test Limit: TIA Cat 5e Channel

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Operator: Sam Hen

Software Version: V6.6 Build 2

Limits Version: V7.6

Calibration Date:

Main (Module): 09/30/2021

Remote (Module): 09/30/2021

Test Summary: PASS

Model: DSX-5000

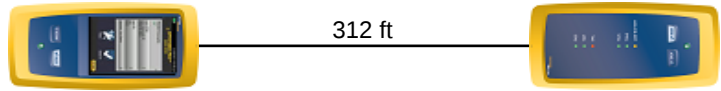
Main S/N: 3658026

Remote S/N: 3658040

Main Adapter: DSX-CHA004

Remote Adapter: DSX-CHA004

Length (ft), Limit 328	[Pair 78]	312
Prop. Delay (ns), Limit 555	[Pair 45]	477
Delay Skew (ns), Limit 50	[Pair 45]	17
Resistance (ohms)	[Pair 45]	17.72
Insertion Loss Margin (dB)	[Pair 36]	3.5
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0

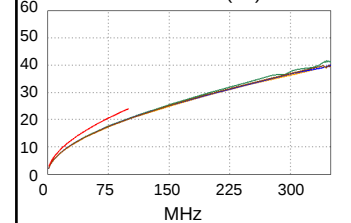


Wire Map (T568B)

PASS

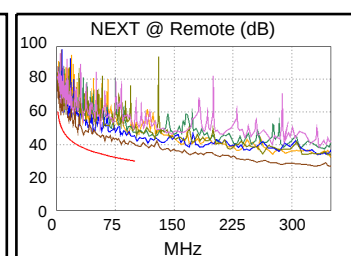
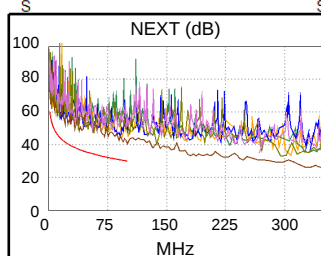


Insertion Loss (dB)

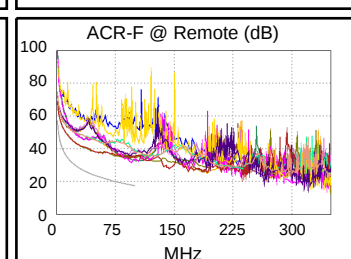
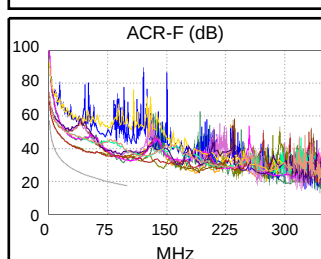


Worst Case Margin Worst Case Value

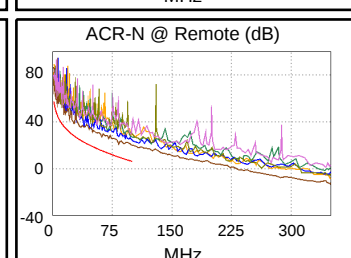
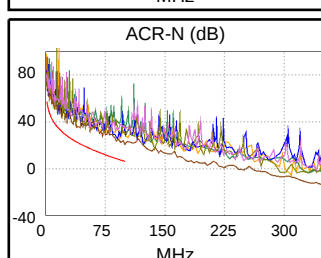
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	9.7	7.8	10.4	7.8
Freq. (MHz)	2.0	83.3	99.8	83.3
Limit (dB)	58.4	31.5	30.1	31.5
Worst Pair	36	45	36	36
PS NEXT (dB)	11.9	10.5	12.8	11.2
Freq. (MHz)	2.0	34.5	100.0	90.8
Limit (dB)	55.4	35.0	27.1	27.8



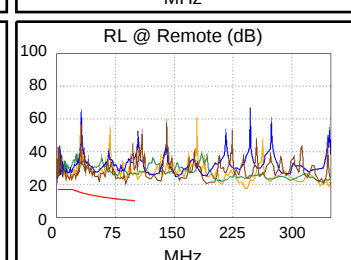
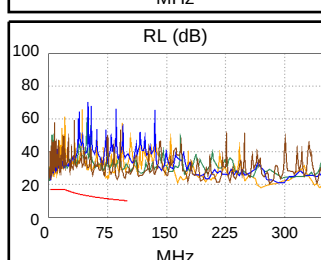
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	12-45	45-12
ACR-F (dB)	12.0	12.0	13.6	13.8
Freq. (MHz)	1.9	1.9	97.8	97.8
Limit (dB)	51.9	51.9	17.6	17.6
Worst Pair	36	36	45	12
PS ACR-F (dB)	12.8	12.7	14.9	15.4
Freq. (MHz)	1.9	1.0	97.8	98.0
Limit (dB)	48.9	54.4	14.6	14.6



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	10.1	9.5	14.2	13.6
Freq. (MHz)	2.0	26.8	99.8	99.8
Limit (dB)	55.3	28.0	6.1	6.1
Worst Pair	36	45	36	36
PS ACR-N (dB)	12.3	12.1	16.3	15.6
Freq. (MHz)	2.0	26.8	100.0	99.8
Limit (dB)	52.3	25.0	3.1	3.1



PASS	MAIN	SR	MAIN	SR
Worst Pair	12	78	78	78
RL (dB)	8.4	5.6	12.8	9.7
Freq. (MHz)	2.6	19.4	96.8	88.5
Limit (dB)	17.0	17.0	10.2	10.5



Compliant Network Standards:

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