

Copper Certification Report

Pass*

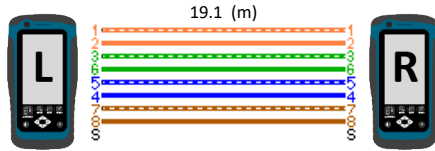


Cable Label: AP-31/A/ Port 23

Date & Time: 07-02-2020 11:32:20 AM Site: LIRR-Hillside Facility Building 2 4th
 Limit Type: TIA - Cat 6A Permanent Link Building:
 Cable Name: CAT 6A UTP Floor:
 Cable Manufacturer: Generic UTP Room:
 Connector Name: RJ45 Jack CAT6a unshielded Rack:
 Connector Manufacturer: Panduit Panel:

Device Name: Wx-4500 Operator Name: Broadband Connect LLC
 Local Device S/No.: sw20302501 Remote Device S/No.: sw20302502
 Local Adapter Type: Cat 6A Link Remote Adapter Type: Cat 6A Link
 Local Adapter S/No.: pa0210-2502 Remote Adapter S/No.: pa0210-2501
 Local Calibration Date: 08-10-2019 Remote Calibration Date: 08-10-2019
 Device Firmware Version: 8.1 Reporting Software Version: Build_#1526_9.0_2021-05-11_16-15-05

Wiremap: Pass

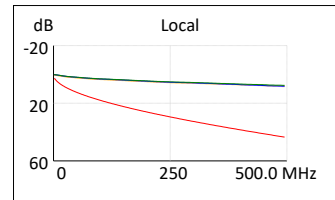


	Value	Limit	Margin
Length (m):	19.1	90.0	70.9
Cable NVP:	68.0	-	-
Propagation Delay (ns):	99.0	498.0	399.0
Delay Skew (ns):	6.0	44.0	38.0
DC Loop Resistance (Ohms):	12.09	21.00	8.91

Wiremap: T568B

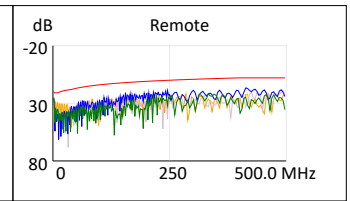
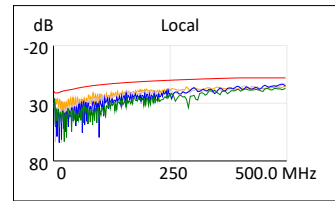
Insertion Loss: Pass

	Worst Margin:	Worst Value:
Local:	Local:	
Pair:	12	36
Value (dB):	0.6	8.6
Limit (dB):	3.0	43.6
Margin (dB):	2.4	35.0
Frequency (MHz):	1.75	497.00



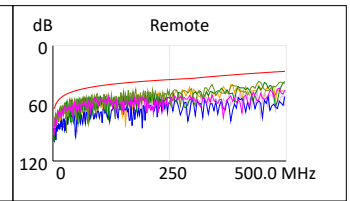
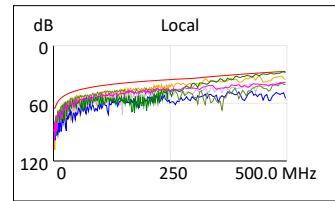
Return Loss: Pass

	Worst Margin:		Worst Value:	
	Local:	Remote:	Local:	Remote:
Pair:	36	45	36	45
Value (dB):	12.8	18.8	12.8	16.7
Limit (dB):	8.0	10.1	8.0	8.0
Margin (dB):	4.8	8.7	4.8	8.7
Frequency (MHz):	493.00	246.00	493.00	413.00



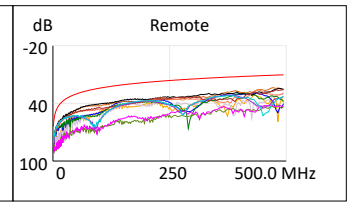
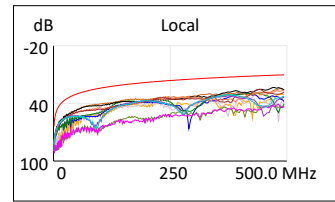
NEXT: Pass*

	Worst Margin:		Worst Value:	
	Local:	Remote:	Local:	Remote:
Pair:	36-45	36-78	36-45	36-45
Value (dB):	27.2	45.3	27.2	36.4
Limit (dB):	26.9	37.8	26.9	26.7
Margin (dB):	0.3	7.5	0.3	9.7
Frequency (MHz):	493.00	177.00	493.00	498.00



ACR-F: Pass

	Worst Margin:		Worst Value:	
	Local:	Remote:	Local:	Remote:
Pair:	45-36	36-45	45-36	36-45
Value (dB):	23.5	23.7	23.5	23.7
Limit (dB):	10.7	10.7	10.7	10.7
Margin (dB):	12.8	13.0	12.8	13.0
Frequency (MHz):	470.00	470.00	470.00	470.00



PS-NEXT: Pass

	Worst Margin:		Worst Value:		Worst Margin:		Worst Value:	
	Local:	Remote:	Local:	Remote:	Local:	Remote:	Local:	Remote:
Pair:	36	36	36	36	36	36	36	36
Value (dB):	25.9	56.5	25.9	34.3	22.0	21.7	22.0	21.7
Limit (dB):	24.1	48.9	24.1	23.8	8.3	7.5	8.3	7.5
Margin (dB):	1.8	7.6	1.8	10.5	13.7	14.2	13.7	14.2
Frequency (MHz):	489.00	25.60	489.00	498.00	441.00	484.00	441.00	484.00

PS-ACRF: Pass

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance