



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	1
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	01	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.42dBm
Optical Loss	0.52 dB
System Overhead	1.06dB
Operating Margin %	62.93%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	2
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	02	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.10dBm
Optical Loss	0.20 dB
System Overhead	1.38dB
Operating Margin %	85.21%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

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Link ID:	LabCorp	Page:	3
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	03	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.81dBm
Optical Loss	0.91 dB
System Overhead	0.67dB
Operating Margin %	37.89%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	4
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	04	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.32dBm
Optical Loss	0.42 dB
System Overhead	1.16dB
Operating Margin %	69.71%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	5
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	05	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.10dBm
Optical Loss	0.20 dB
System Overhead	1.38dB
Operating Margin %	85.21%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID: LabCorp Page: 6
Company Name: Vertex Communications Meter Type: WaveTester
Telephone Number: Serial Number: WT12953
Software Version: V2.57
Report Date: 3/6/2019

Circuit ID: 06 Date of test: 3/5/2019
Calibration Date: 2/20/2019 Temperature: 0.0 F

Circuit Characteristics

Fiber Length (in kilometers): 0.08
Number of Connector Pairs: 2
Number of Splices: 0
Cable Type: INDOOR SM
Standard: ANSI/EIA/TIA568B.3

Circuit Test Results

1310nm

Passive Cable System Attenuation

Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.21dBm
Optical Loss	0.31 dB
System Overhead	1.27dB
Operating Margin %	77.37%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



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Link ID:	LabCorp	Page:	7
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	07	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.10dBm
Optical Loss	0.20 dB
System Overhead	1.38dB
Operating Margin %	85.21%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	8
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	08	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.88dBm
Optical Loss	0.98 dB
System Overhead	0.60dB
Operating Margin %	33.63%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	9
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	09	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.21dBm
Optical Loss	0.31 dB
System Overhead	1.27dB
Operating Margin %	77.37%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	10
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	10	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.21dBm
Optical Loss	0.31 dB
System Overhead	1.27dB
Operating Margin %	77.37%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	11
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	11	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.56dBm
Optical Loss	0.66 dB
System Overhead	0.92dB
Operating Margin %	53.68%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____



Circuit Detail Report

Optical Wavelength Laboratories

Link ID:	LabCorp	Page:	12
Company Name:	Vertex Communications	Meter Type:	WaveTester
Telephone Number:		Serial Number:	WT12953
		Software Version:	V2.57
Report Date:	3/6/2019		

Circuit ID:	12	Date of test:	3/5/2019
Calibration Date:	2/20/2019	Temperature:	0.0 F

Circuit Characteristics

Fiber Length (in kilometers):	0.08
Number of Connector Pairs:	2
Number of Splices:	0
Cable Type:	INDOOR SM
Standard:	ANSI/EIA/TIA568B.3

Circuit Test Results

	1310nm
Passive Cable System Attenuation	
Light Source Reference Power	-9.90dBm
Fiber Loss	0.08dB
Connector Loss	1.50dB
Splice Loss	0.00dB
Total Allowable System Loss	1.58dB
Minimum Required Power	-11.48dBm
Measured Power	-10.43dBm
Optical Loss	0.53 dB
System Overhead	1.05dB
Operating Margin %	62.25%
Pass/Fail	Pass

Installer/Tester: _____

Date: _____

Customer: _____

Date: _____