OTDR Report (1550 nm (9 µm))

Pass

General Information

File name:	Port 01 (4).trc		
Test date:	6/3/2022	Customer:	Little Miami Gig
Test time:	9:14:29 AM	Company:	Little Miami Gig
Cable ID:		Fiber ID:	
Job ID:	Osceola to Morrow-POP		
Comments:			

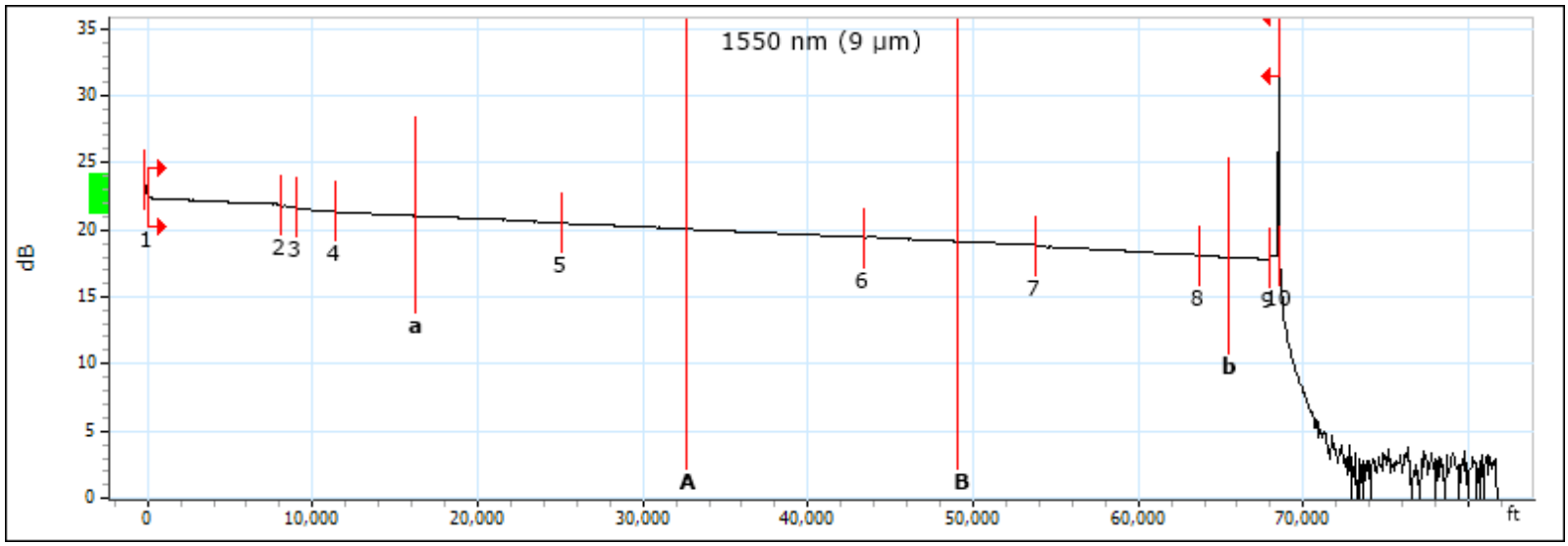
Locations

	Location A	Location B
Location		
Operator	Ryan Burgdorf	
Model	FTBx-730C-SM2-OPM-EA	
Serial number	1433020	
Calibration date	2/16/2021 (UTC)	

Results

Span length:	68,499 ft	Average loss:	0.000 dB/ft	Injection level:	23.0 dB
Span loss:	4.342 dB	Average splice loss:	0.032 dB		
Span ORL:	32.73 dB	Maximum splice loss:	0.198 dB		

Graph



Markers

Marker	Position (ft)	Value (dB)
a	16,261	21.042
A	32,666	20.039
B	49,069	19.111
b	65,475	17.980

A-B LSA attenuation:	0.179 dB/km	A-B average loss:	0.186 dB/km
A-B LSA loss:	0.897 dB	4-point Event Loss:	-0.224 dB
A-B ORL:	35.86 dB	Maximum reflectance:	-85.8 dB

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Event Table

Type	No.	Pos./Length (ft)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector		-142.3	---	-62.8		---
Section		142.3	0.047		1.088	---
Non-Reflective	1	0.0	0.630			0.000
Section		8,096.9	0.473		0.192	0.473
Non-Reflective	2	8,096.9	0.106			0.578
Section		906.4	0.050		0.179	0.628
Non-Reflective	3	9,003.3	0.198			0.826
Section		2,350.8	0.129		0.180	0.955
Non-Reflective	4	11,354	0.089			1.044
Section		13,686	0.782		0.187	1.826
Non-Reflective	5	25,040	0.047			1.873
Section		18,415	1.052		0.187	2.925
Positive	6	43,455	-0.028			2.897
Section		10,387	0.604		0.191	3.500
Non-Reflective	7	53,842	0.083			3.583
Section		9,905.5	0.680		0.225	4.264
Non-Reflective	8	63,748	0.030			4.293
Section		4,211.7	0.267		0.208	4.560
Positive	9	67,959	-0.269			4.291
Section		540.1	0.052		0.315	4.342
Reflective	10	68,499	---	>-14.0		4.342

Macrobend

Pass/Fail Thresholds

	1550 nm (9 µm)
Splice loss (dB)	0.300
Connector loss (dB)	0.750
Splitter loss (dB)	4.500
Reflectance (dB)	-40.0
Fiber section attenuation (dB/km)	0.400
Span loss (dB)	20.000
Span length (ft)	0.0
Span ORL (dB)	15.00

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (ft)	82,021
Pulse (ns)	50
Duration (s)	15

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Test Settings

	A → B
IOR	1.468325
Backscatter (dB)	-81.87
Helix factor (%)	0.00
Splice loss detection threshold (dB)	0.020
Reflectance detection threshold (dB)	-72.0
End-of-fiber detection threshold (dB)	5.000

Macrobend Wavelengths	Macrobend Delta Loss (dB)
1310 nm - 1550 nm	0.500

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General Information

File name:	Port 01 (4).trc		
Test date:	6/3/2022	Customer:	Little Miami Gig
Test time:	9:14:50 AM	Company:	Little Miami Gig
Cable ID:		Fiber ID:	
Job ID:	Osceola to Morrow-POP		
Comments:			

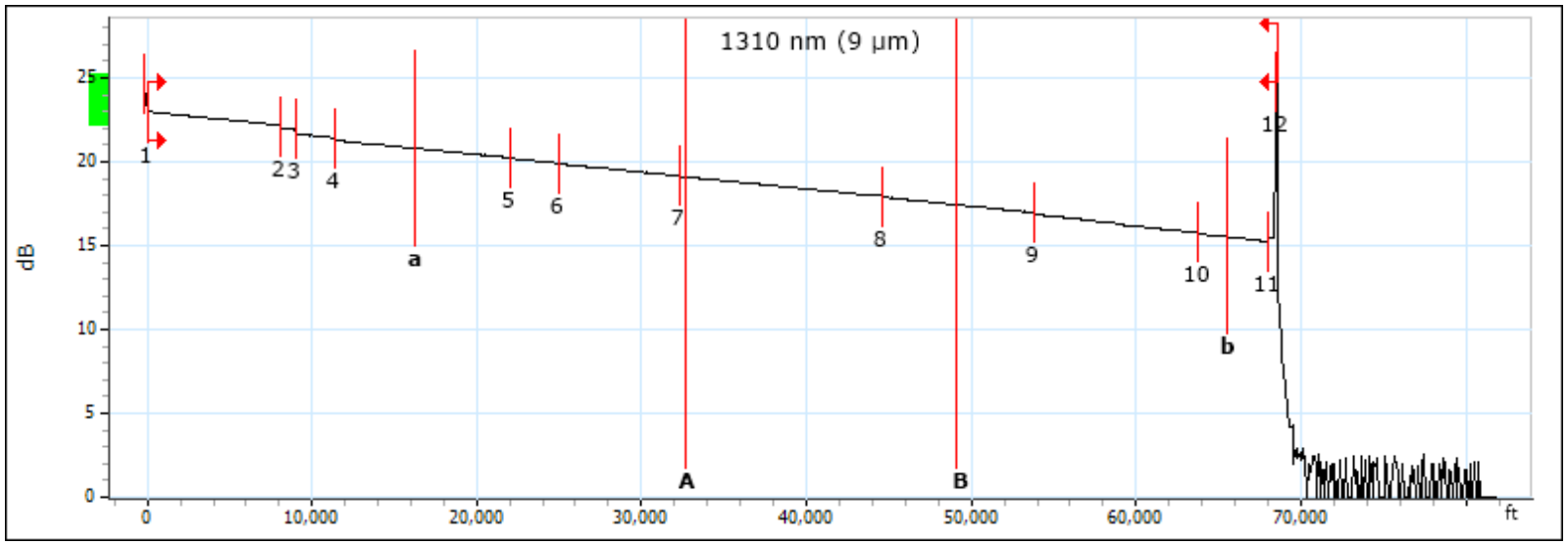
Locations

	Location A	Location B
Location		
Operator	Ryan Burgdorf	
Model	FTBx-730C-SM2-OPM-EA	
Serial number	1433020	
Calibration date	2/16/2021 (UTC)	

Results

Span length:	68,512 ft	Average loss:	0.000 dB/ft	Injection level:	23.6 dB
Span loss:	7.536 dB	Average splice loss:	0.063 dB		
Span ORL:	32.22 dB	Maximum splice loss:	0.293 dB		

Graph



Markers

Marker	Position (ft)	Value (dB)
a	16,261	20.764
A	32,666	19.072
B	49,069	17.411
b	65,475	15.511

A-B LSA attenuation:	0.328 dB/km	A-B average loss:	0.332 dB/km
A-B LSA loss:	1.641 dB	4-point Event Loss:	-0.212 dB
A-B ORL:	34.08 dB	Maximum reflectance:	-83.0 dB

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Event Table

Type	No.	Pos./Length (ft)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector		-140.3	---	-58.7		---
Section		140.3	0.071		1.661	---
Non-Reflective	1	0.0	0.636			0.000
Section		8,142.3	0.814		0.328	0.814
Non-Reflective	2	8,142.3	0.140			0.954
Section		864.9	0.086		0.326	1.040
Non-Reflective	3	9,007.2	0.293			1.333
Section		2,339.2	0.220		0.309	1.553
Non-Reflective	4	11,346	0.159			1.713
Section		10,697	1.038		0.318	2.750
Non-Reflective	5	22,044	0.039			2.790
Section		2,946.5	0.283		0.315	3.073
Non-Reflective	6	24,990	0.045			3.118
Section		7,377.9	0.717		0.319	3.834
Non-Reflective	7	32,368	0.037			3.871
Section		12,243	1.175		0.315	5.047
Non-Reflective	8	44,611	0.044			5.090
Section		9,256.4	0.933		0.331	6.023
Non-Reflective	9	53,867	0.092			6.115
Section		9,895.1	1.127		0.374	7.242
Non-Reflective	10	63,762	0.036			7.278
Section		4,190.5	0.448		0.351	7.726
Positive	11	67,953	-0.255			7.472
Section		559.2	0.064		0.378	7.536
Reflective	12	68,512	---	-13.9		7.536

Macrobend

Pass/Fail Thresholds

	1310 nm (9 µm)
Splice loss (dB)	0.300
Connector loss (dB)	0.750
Splitter loss (dB)	4.500
Reflectance (dB)	-40.0
Fiber section attenuation (dB/km)	0.400
Span loss (dB)	20.000
Span length (ft)	0.0
Span ORL (dB)	15.00

Test Parameters

	A → B
Wavelength (nm)	1310 nm (9 µm)
Range (ft)	82,021
Pulse (ns)	50
Duration (s)	15

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Test Settings

	A → B
IOR	1.467700
Backscatter (dB)	-79.45
Helix factor (%)	0.00
Splice loss detection threshold (dB)	0.020
Reflectance detection threshold (dB)	-72.0
End-of-fiber detection threshold (dB)	5.000

Macrobend Wavelengths	Macrobend Delta Loss (dB)
1310 nm - 1550 nm	0.500