

OTDR Report (1300 nm (50 μm))



General Information

File name:	Fiber1.trc	Customer:	
Test date:	09/09/2022	Company:	
Test time:	11:06:45	Fiber ID:	Fiber1
Cable ID:			
Job ID:			
Comments:			

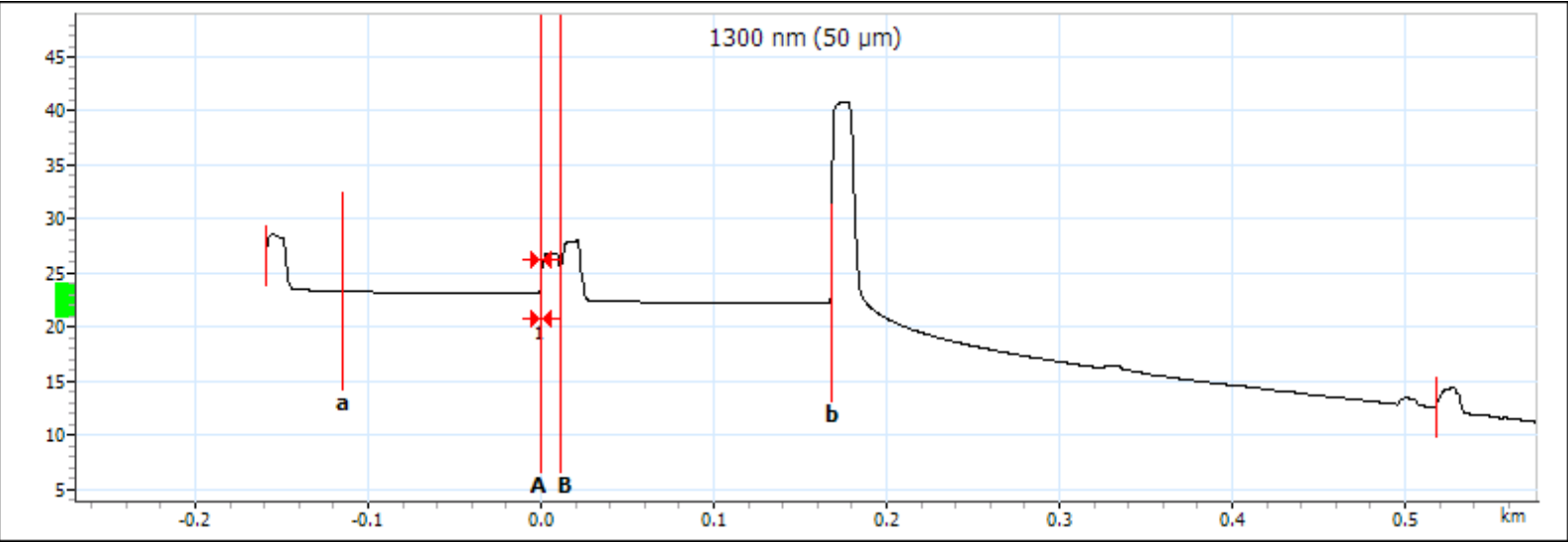
Locations

	Location A	Location B
Location		
Operator		
Model	MAX-720C-Q1-EA-EI	
Serial number	1575871	
Calibration date	21/03/2022 (UTC)	

Results

Span length:	0.0000 km	Average loss:	---	Injection level:	23.3 dB
Span loss:	0.746 dB	Average splice loss:	---		
Span ORL:	41.42 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	-0.1142	23.296
A	0.0003	23.228
B	0.0121	24.929
b	0.1684	22.218

A-B LSA attenuation:	-81.839 dB/km	A-B average loss:	-144.973 dB/km
A-B LSA loss:	0.000 dB	4-point Event Loss:	-0.832 dB
A-B ORL:	46.59 dB	Maximum reflectance:	-47.2 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector		-0.1589	---	-52.5		---
Section		0.1589	0.300		1.887	---
Merged Events	1	0.0000	0.746	-44.4		0.746
Section		0.1684	0.161		0.956	---
Reflective		0.1684	---	> -16.8		---
Section		0.3504	---		---	---
Echo		0.5189	---	-52.4		---

Macroband

Macroband calculation not allowed for multimode measurements.

Pass/Fail Thresholds

	1300 nm (50 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 (km)	0.0000
Span ORL (dB)	15.00

Test Parameters

	A → B
Wavelength (nm)	1300 nm (50 μm)
Range (km)	1.2500
Pulse (ns)	100
Duration (s)	45

Test Settings

	A → B	Macroband Wavelengths	Macroband Delta Loss (dB)
IOR	1.477000	1300 nm - 850 nm	0.500
Backscatter (dB)	-73.70		
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		

OTDR Report (850 nm (50 μm))



General Information

File name:	Fiber1.trc	Customer:	
Test date:	09/09/2022	Company:	
Test time:	11:07:31	Fiber ID:	Fiber1
Cable ID:			
Job ID:			
Comments:			

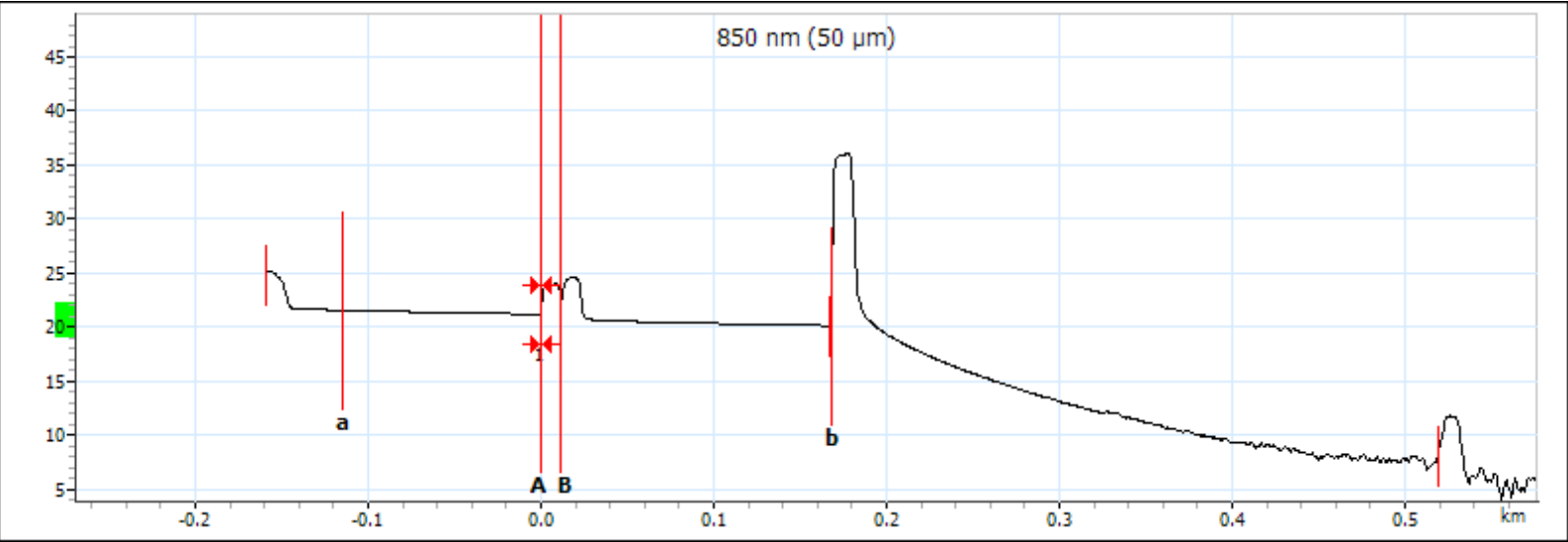
Locations

	Location A	Location B
Location		
Operator		
Model	MAX-720C-Q1-EA-EI	
Serial number	1575871	
Calibration date	21/03/2022 (UTC)	

Results

Span length:	0.0000 km	Average loss:	---	Injection level:	21.7 dB
Span loss:	0.443 dB	Average splice loss:	---		
Span ORL:	36.68 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	-0.1142	21.547
A	0.0003	21.248
B	0.0121	22.504
b	0.1684	20.122

A-B LSA attenuation:	-80.817 dB/km	A-B average loss:	-107.023 dB/km
A-B LSA loss:	0.000 dB	4-point Event Loss:	-0.588 dB
A-B ORL:	40.83 dB	Maximum reflectance:	-42.0 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector		-0.1587	---	-52.6		---
Section		0.1587	0.565		3.563	---
Merged Events	1	0.0000	0.443	-40.3		0.443
Section		0.1675	0.620		3.704	---
Reflective		0.1675	---	> -14.4		---
Section		0.3521	---		---	---
Echo		0.5196	---	-36.4		---

Macroband

Macroband calculation not allowed for multimode measurements.

Pass/Fail Thresholds

	850 nm (50 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 (km)	0.0000
Span ORL (dB)	15.00

Test Parameters

	A → B
Wavelength (nm)	850 nm (50 μm)
Range (km)	1.2500
Pulse (ns)	100
Duration (s)	45

Test Settings

	A → B	Macroband Wavelengths	Macroband Delta Loss (dB)
IOR	1.482000	1300 nm - 850 nm	0.500
Backscatter (dB)	-66.30		
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		