

OTDR Report (1310 nm (9 μm))



General Information

File name:			
Test date:	15.02.2023	Customer:	
Test time:	10:09:22	Company:	
Cable ID:		Fiber ID:	Fiber4
Job ID:			
Comments:			

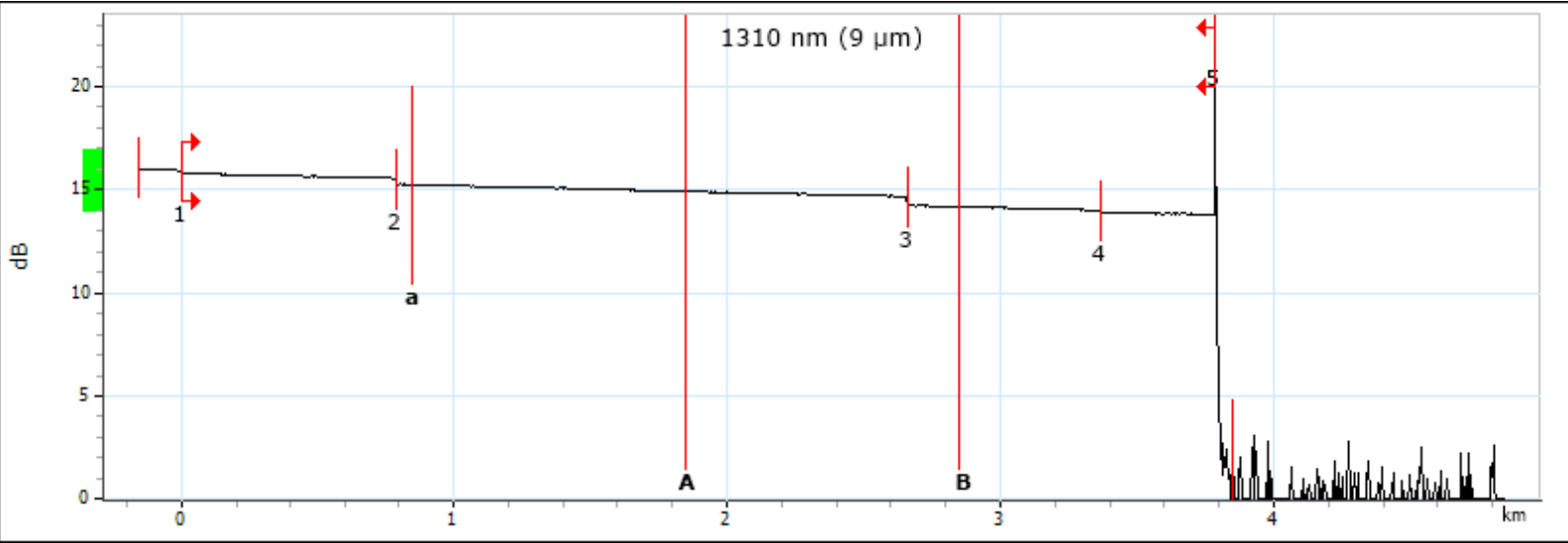
Locations

	Location A	Location B
Location		
Operator		
Model	MAX-730C-SM2-EA	
Serial number	1600084	
Calibration date	25.01.2023 (UTC)	

Results

Span length:	3,7871 km	Average loss:	0,569 dB/km	Injection level:	16,0 dB
Span loss:	2,155 dB	Average splice loss:	0,235 dB		
Span ORL:	35,79 dB	Maximum splice loss:	0,431 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	0,8464	15,272
A	1,8466	14,933
B	2,8466	14,198
b	3,8465	0,000

A-B LSA attenuation:	0,704 dB/km	A-B average loss:	0,734 dB/km
A-B LSA loss:	0,704 dB	4-point Event Loss:	-0,835 dB
A-B ORL:	39,97 dB	Maximum reflectance:	-86,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector		-0,1535	---	-75,3		---
Section		0,1535	0,047		0,308	---
Non-Reflective	1	0,0000	0,133			0,133
Section		0,7877	0,246		0,312	0,379
Non-Reflective	2	0,7877	0,291			0,670
Section		1,8728	0,598		0,319	1,268
Non-Reflective	3	2,6605	0,431			1,700
Section		0,7047	0,231		0,328	1,931
Non-Reflective	4	3,3652	0,085			2,015
Section		0,4219	0,140		0,331	2,155
Reflective	5	3,7871	---	-38,6		2,155

Macroband

Pass/Fail Thresholds

	1310 nm (9 μm)
Splice loss (dB)	0,100
Connector loss (dB)	0,500
Reflectance (dB)	-65,0
Fiber section attenuation (dB/km)	0,400

Test Parameters

	A → B
Wavelength (nm)	1310 nm (9 μm)
Range (km)	5,0000
Pulse (ns)	10
Duration (s)	15

Test Settings

	A → B	Macroband Wavelengths	Macroband Delta Loss (dB)
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		