

OTDR Report (1310 nm (9 μm))

General Information

File name:	87_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:24 PM	Fiber ID:	87
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

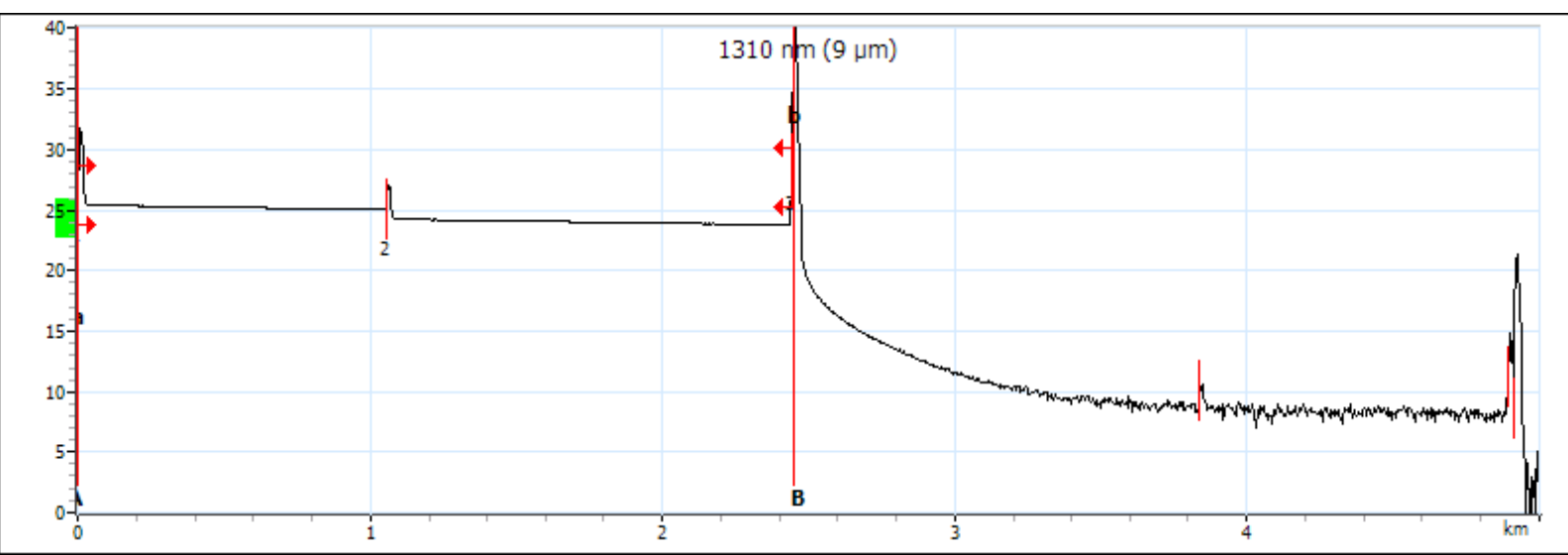
Locations

	Location A	Location B
Location	FAR0	FAR3
Operator	PANDA	HABEEB
Model	MAX-720C-Q1-EA-EI	
Serial number	1206159	
Calibration date	29-Mar-23 (UTC)	

Results

Span length:	2.4454 km	Average loss:	0.669 dB/km	Injection level:	25.4 dB
Span loss:	1.635 dB	Average splice loss:	---		
Span ORL:	37.27 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.867 dB/km	A-B average loss:	-6.737 dB/km
a	0.0000	25.444	A-B LSA loss:	2.126 dB	4-point Event Loss:	-17.367 dB
A	0.0000	25.444	A-B ORL:	<32.29 dB	Maximum reflectance:	> -26.4 dB
B	2.4505	41.954				
b	2.4505	41.954				

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Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0.0000	---	-46.3		0.000
Section		1.0564	0.373		0.353	0.373
Reflective	2	1.0564	0.789	-57.0		1.162
Section		1.3890	0.473		0.341	1.635
Reflective	3	2.4454	---	> -22.4		1.635
Section		1.3941	---		---	---
Reflective		3.8395	---	-56.0		---
Section		1.0539	---		---	---
Merged Events		4.8933	---	-32.4		---

Macrobend

Position (km)	Delta Loss (dB)

Pass/Fail Thresholds

	1310 nm (9 μm)

Test Parameters

	A → B
Wavelength (nm)	1310 nm (9 μm)
Range (km)	5.0000
Pulse (ns)	100
Duration (s)	5

Test Settings

	A → B	Macrobend Wavelengths	Macrobend 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		

OTDR Report (1550 nm (9 μm))

General Information

File name:	87_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:24 PM	Fiber ID:	87
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

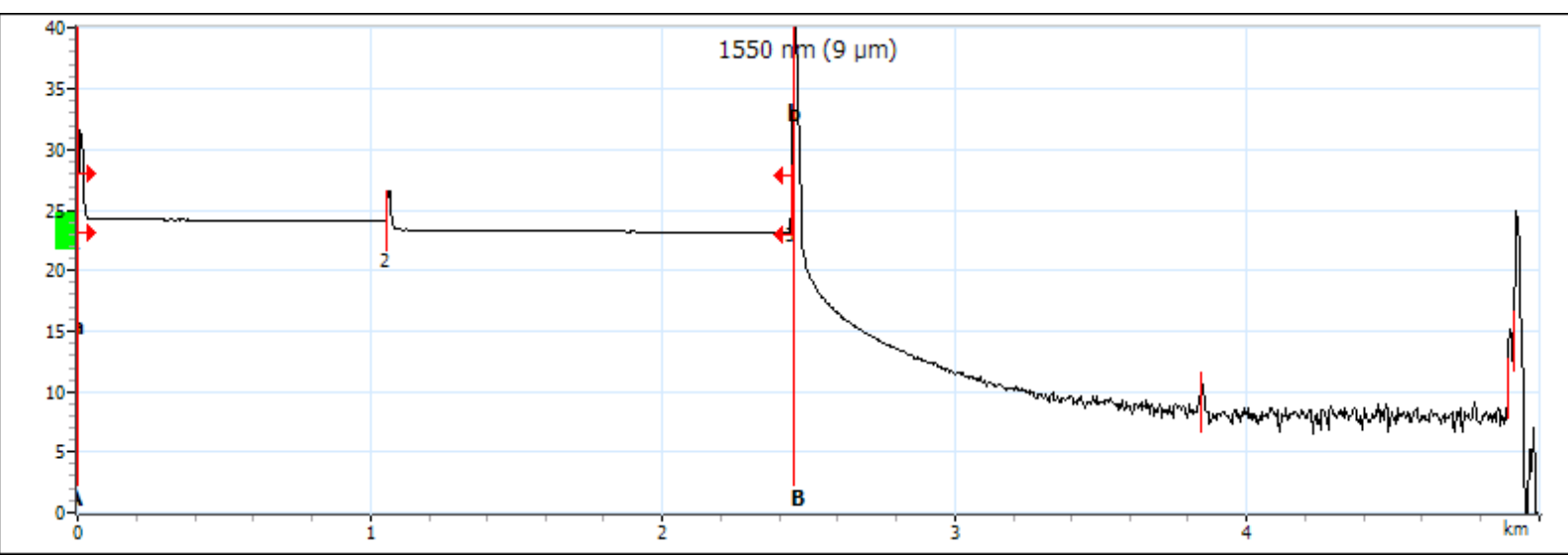
Locations

	Location A	Location B
Location	FAR0	FAR3
Operator	PANDA	HABEEB
Model	MAX-720C-Q1-EA-EI	
Serial number	1206159	
Calibration date	29-Mar-23 (UTC)	

Results

Span length:	2.4450 km	Average loss:	0.476 dB/km	Injection level:	24.3 dB
Span loss:	1.164 dB	Average splice loss:	---		
Span ORL:	39.24 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.661 dB/km	A-B average loss:	-7.186 dB/km
a	0.0000	24.566	A-B LSA loss:	1.619 dB	4-point Event Loss:	-18.100 dB
A	0.0000	24.566	A-B ORL:	<31.69 dB	Maximum reflectance:	> -26.0 dB
B	2.4505	42.177				
b	2.4505	42.177				

OTDR Report (1550 nm (9 μm))

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0.0000	---	-46.7		0.000
Section		1.0560	0.212		0.201	0.212
Reflective	2	1.0560	0.663	-57.6		0.875
Section		1.3890	0.288		0.208	1.164
Reflective	3	2.4450	---	> -23.3		1.164
Section		1.3954	---		---	---
Reflective		3.8404	---	-56.7		---
Section		1.0521	---		---	---
Merged Events		4.8925	---	-27.4		---

Macrobend

Position (km)	Delta Loss (dB)

Pass/Fail Thresholds

	1550 nm (9 μm)

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 μm)
Range (km)	5.0000
Pulse (ns)	100
Duration (s)	5

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
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		