

OTDR Report (1310 nm (9 μm))

General Information

File name:	81_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:21 PM	Fiber ID:	81
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

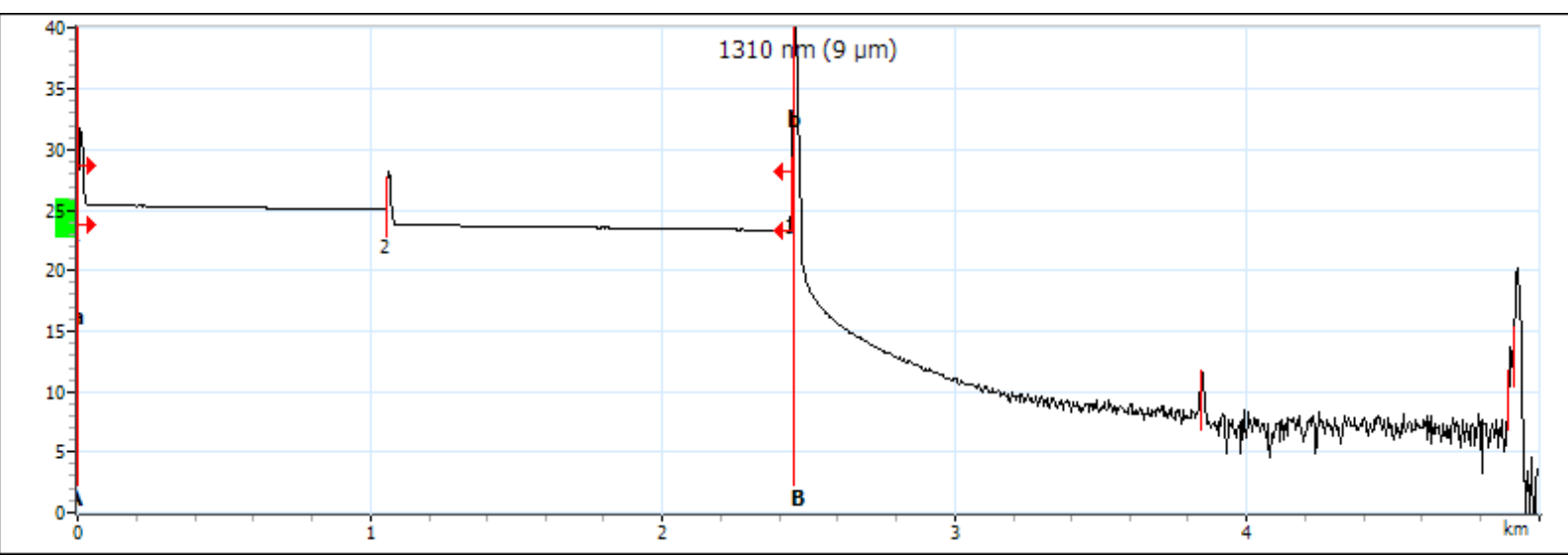
Locations

	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:	2.4460 km	Average loss:	0.851 dB/km	Injection level:	25.4 dB
Span loss:	2.081 dB	Average splice loss:	---		
Span ORL:	37.58 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	1.150 dB/km	A-B average loss:	-6.616 dB/km
a	0.0000	25.459	A-B LSA loss:	2.819 dB	4-point Event Loss:	-17.071 dB
A	0.0000	25.459	A-B ORL:	<33.70 dB	Maximum reflectance:	>-27.1 dB
B	2.4505	41.672				
b	2.4505	41.672				

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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		1.0558	0.369		0.350	0.369
Reflective	2	1.0558	1.241	-53.8		1.611
Section		1.3902	0.471		0.339	2.081
Reflective	3	2.4460	---	> -21.9		2.081
Section		1.3947	---		---	---
Reflective		3.8407	---	-52.0		---
Section		1.0545	---		---	---
Merged Events		4.8952	---	-31.9		---

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:	81_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:21 PM	Fiber ID:	81
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

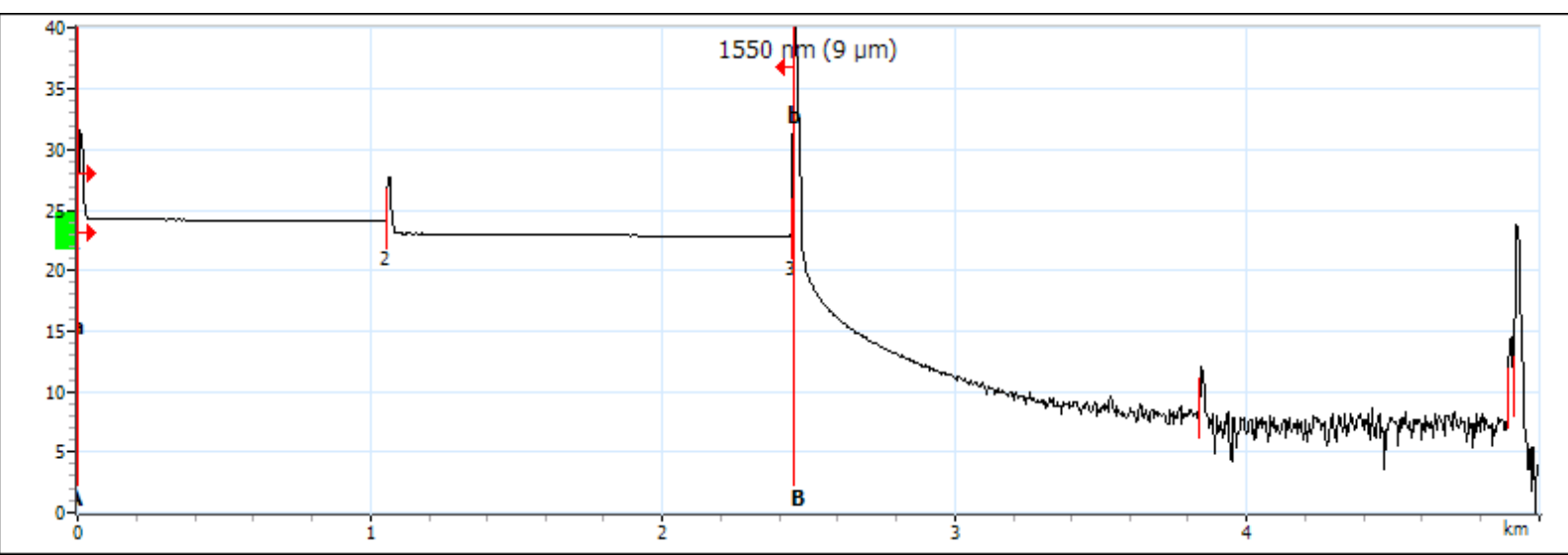
Locations

	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:	2.4456 km	Average loss:	0.609 dB/km	Injection level:	24.3 dB
Span loss:	1.488 dB	Average splice loss:	---		
Span ORL:	39.45 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.872 dB/km	A-B average loss:	-7.078 dB/km
a	0.0000	24.628	A-B LSA loss:	2.137 dB	4-point Event Loss:	-17.835 dB
A	0.0000	24.628	A-B ORL:	<33.05 dB	Maximum reflectance:	> -26.6 dB
B	2.4505	41.973				
b	2.4505	41.973				

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	0.213		0.201	0.213
Reflective	2	1.0560	0.986	-54.5		1.199
Section		1.3897	0.289		0.208	1.488
Reflective	3	2.4456	---	> -22.8		1.488
Section		1.3941	---		---	---
Reflective		3.8397	---	-53.1		---
Section		1.0553	---		---	---
Merged Events		4.8950	---	-28.2		---

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		