

OTDR Report (1310 nm (9 μm))

General Information

File name:	86_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:23 PM	Fiber ID:	86
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

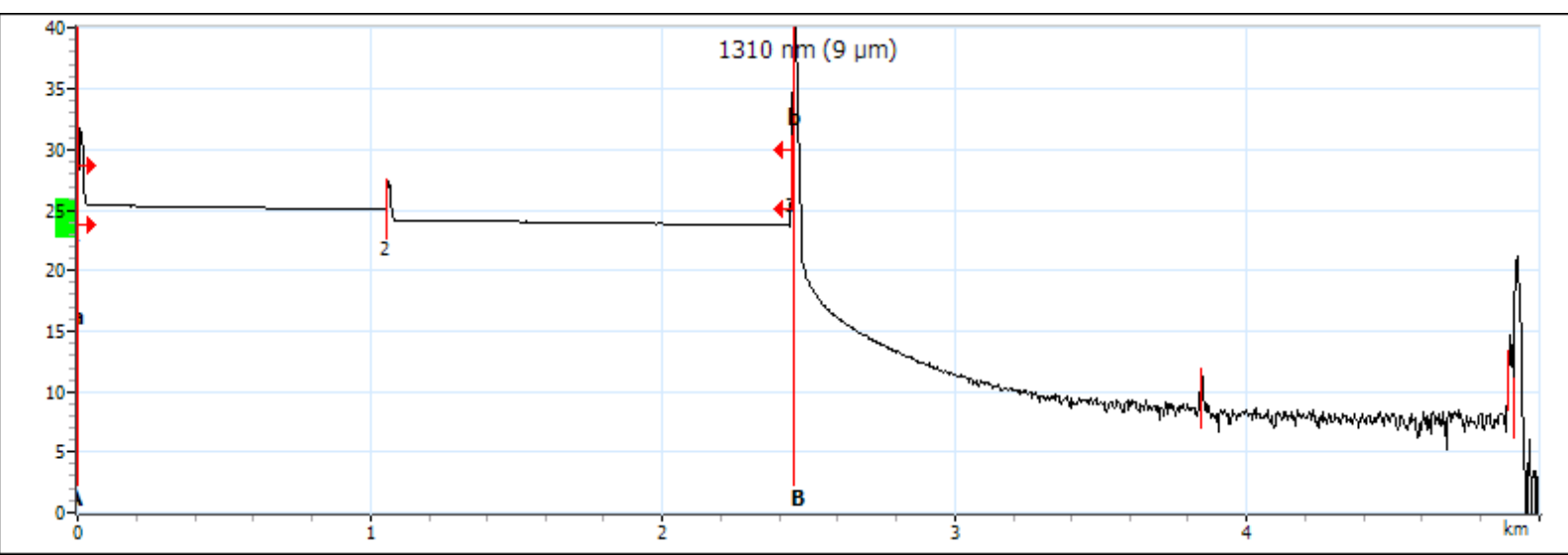
Locations

	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:	0.692 dB/km	Injection level:	25.4 dB
Span loss:	1.691 dB	Average splice loss:	---		
Span ORL:	37.30 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.901 dB/km	A-B average loss:	-6.726 dB/km
a	0.0000	25.440	A-B LSA loss:	2.209 dB	4-point Event Loss:	-17.340 dB
A	0.0000	25.440	A-B ORL:	<32.34 dB	Maximum reflectance:	> -26.5 dB
B	2.4505	41.923				
b	2.4505	41.923				

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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	0.374		0.354	0.374
Reflective	2	1.0564	0.843	-56.1		1.216
Section		1.3890	0.475		0.342	1.691
Reflective	3	2.4454	---	> -22.4		1.691
Section		1.3947	---		---	---
Reflective		3.8401	---	-53.8		---
Section		1.0532	---		---	---
Merged Events		4.8933	---	-31.7		---

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:	86_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:24 PM	Fiber ID:	86
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

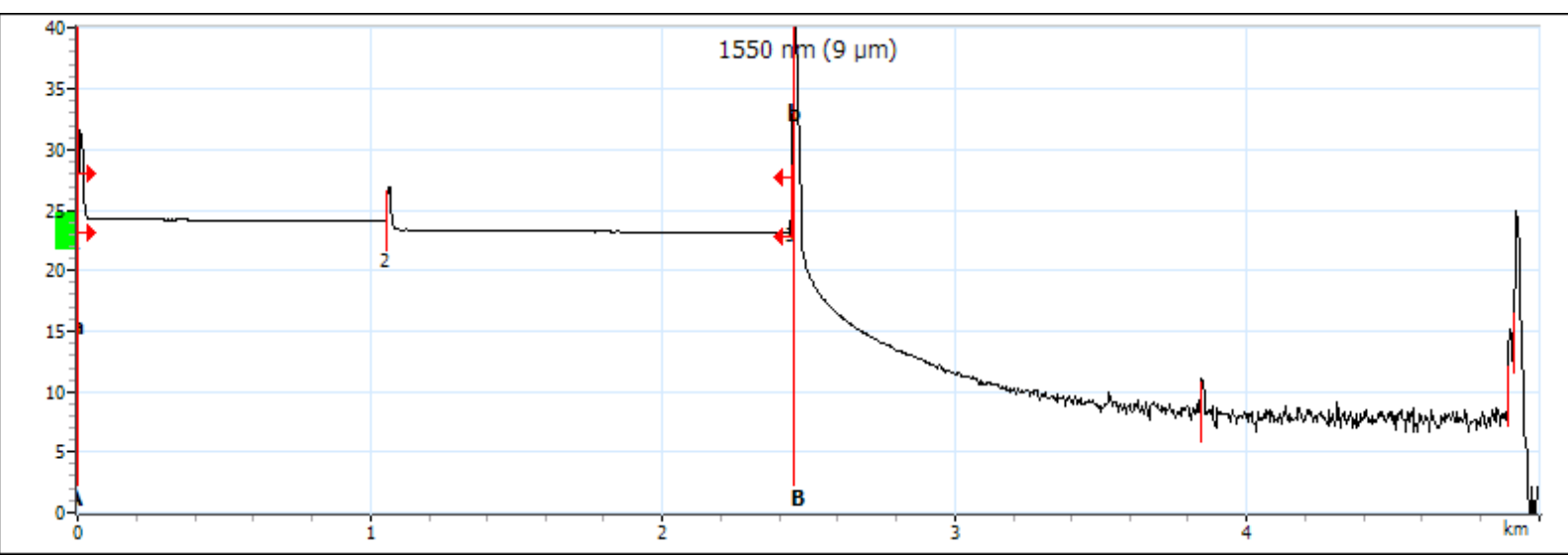
Locations

	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:	0.481 dB/km	Injection level:	24.3 dB
Span loss:	1.176 dB	Average splice loss:	---		
Span ORL:	39.23 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.668 dB/km	A-B average loss:	-7.175 dB/km
a	0.0000	24.577	A-B LSA loss:	1.636 dB	4-point Event Loss:	-18.072 dB
A	0.0000	24.577	A-B ORL:	<31.74 dB	Maximum reflectance:	> -26.1 dB
B	2.4505	42.159				
b	2.4505	42.159				

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	0.667	-56.8		0.880
Section		1.3890	0.296		0.213	1.176
Reflective	3	2.4450	---	> -23.3		1.176
Section		1.3954	---		---	---
Reflective		3.8404	---	-56.1		---
Section		1.0528	---		---	---
Merged Events		4.8931	---	-27.1		---

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		