

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:	2:58 PM	Fiber ID:	86
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

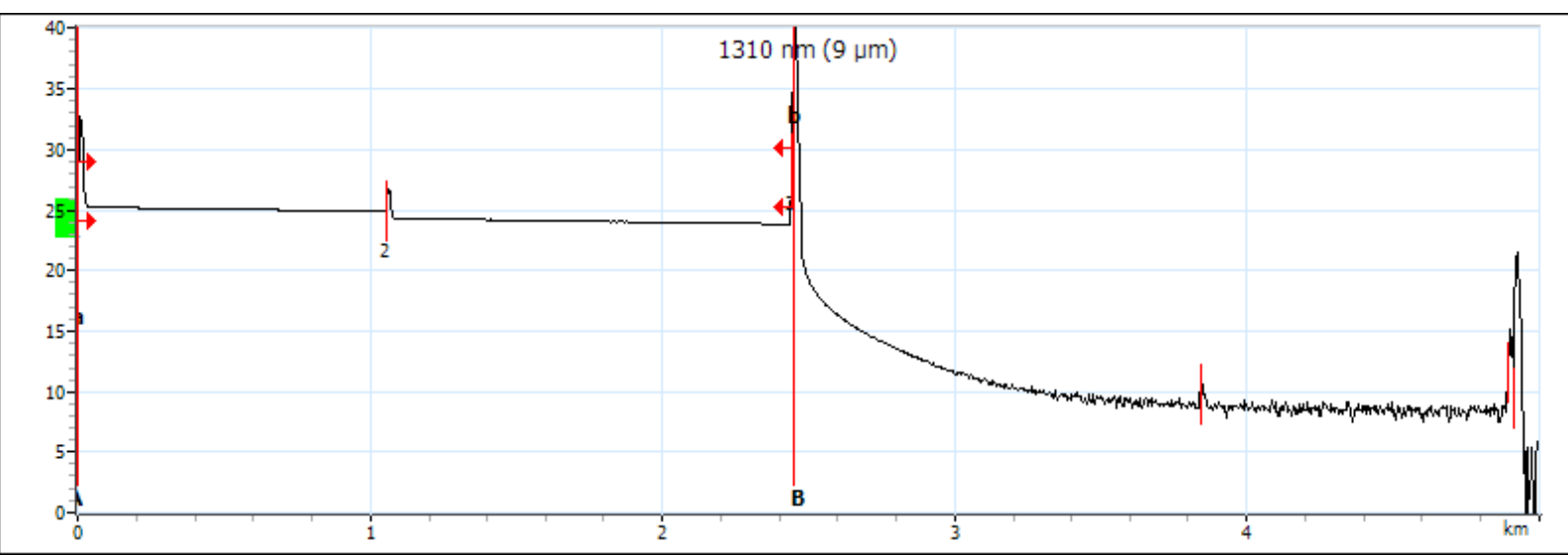
Locations

	Location A	Location B
Location	FAR3	FAR0
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:	0.577 dB/km	Injection level:	25.2 dB
Span loss:	1.411 dB	Average splice loss:	---		
Span ORL:	37.07 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.757 dB/km	A-B average loss:	-6.752 dB/km
a	0.0000	25.447	A-B LSA loss:	1.854 dB	4-point Event Loss:	-17.405 dB
A	0.0000	25.447	A-B ORL:	<31.86 dB	Maximum reflectance:	> -26.0 dB
B	2.4505	41.994				
b	2.4505	41.994				

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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	---	-44.2		0.000
Section		1.0564	0.363		0.344	0.363
Reflective	2	1.0564	0.570	-57.6		0.933
Section		1.3890	0.478		0.344	1.411
Reflective	3	2.4454	---	> -22.5		1.411
Section		1.3954	---		---	---
Reflective		3.8407	---	-56.5		---
Section		1.0526	---		---	---
Merged Events		4.8933	---	-32.6		---

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:	2:58 PM	Fiber ID:	86
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

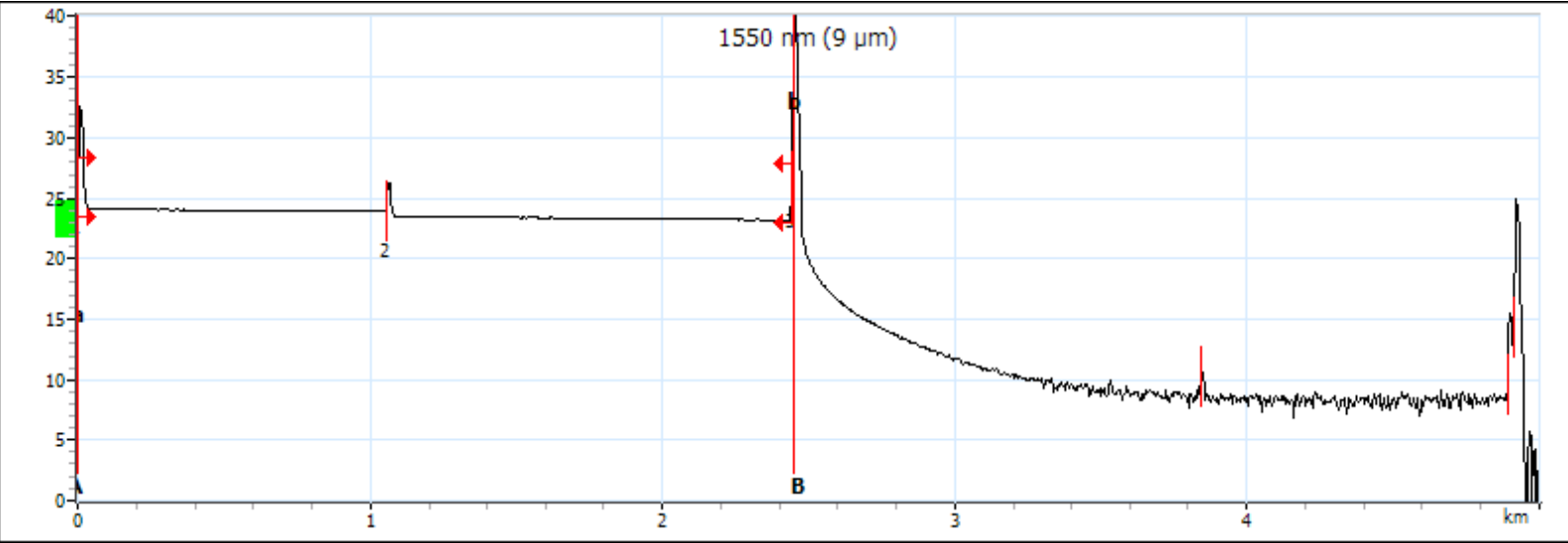
Locations

	Location A	Location B
Location	FAR3	FAR0
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:	0.373 dB/km	Injection level:	24.1 dB
Span loss:	0.912 dB	Average splice loss:	---		
Span ORL:	38.99 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	0.0000	24.661
A	0.0000	24.661
B	2.4505	42.214
b	2.4505	42.214

A-B LSA attenuation:	0.534 dB/km	A-B average loss:	-7.163 dB/km
A-B LSA loss:	1.307 dB	4-point Event Loss:	-18.043 dB
A-B ORL:	<31.24 dB	Maximum reflectance:	> -25.6 dB

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	---	-44.5		0.000
Section		1.0566	0.201		0.190	0.201
Reflective	2	1.0566	0.408	-58.2		0.609
Section		1.3884	0.304		0.219	0.912
Reflective	3	2.4450	---	> -23.3		0.912
Section		1.3960	---		---	---
Reflective		3.8410	---	-57.6		---
Section		1.0515	---		---	---
Merged Events		4.8925	---	-28.1		---

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		