

OTDR Report (1310 nm (9 μm))

General Information

File name:	85_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:23 PM	Fiber ID:	85
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

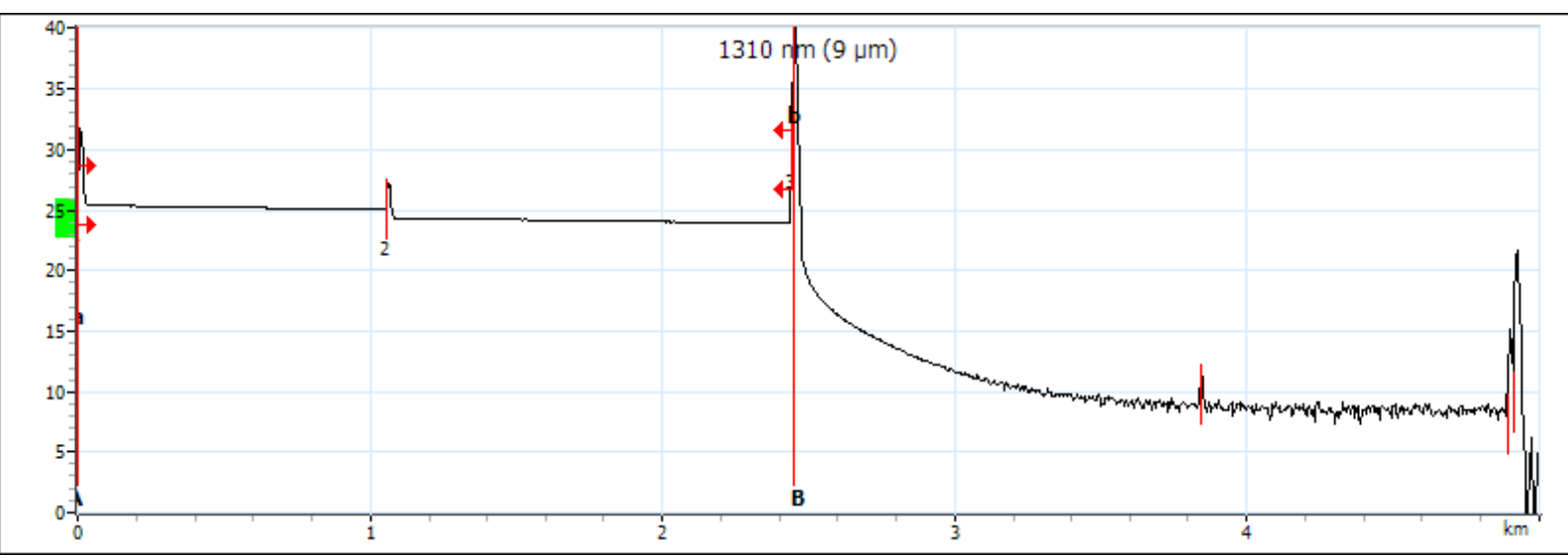
Locations

	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:	0.623 dB/km	Injection level:	25.4 dB
Span loss:	1.524 dB	Average splice loss:	---		
Span ORL:	37.16 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.793 dB/km	A-B average loss:	-6.773 dB/km
a	0.0000	25.449	A-B LSA loss:	1.944 dB	4-point Event Loss:	-17.454 dB
A	0.0000	25.449	A-B ORL:	<31.42 dB	Maximum reflectance:	> -26.2 dB
B	2.4505	42.046				
b	2.4505	42.046				

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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	0.373		0.354	0.373
Reflective	2	1.0558	0.671	-56.4		1.045
Section		1.3896	0.479		0.345	1.524
Reflective	3	2.4454	---	> -22.6		1.524
Section		1.3947	---		---	---
Reflective		3.8401	---	-55.2		---
Section		1.0526	---		---	---
Merged Events		4.8927	---	-32.5		---

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:	85_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:23 PM	Fiber ID:	85
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

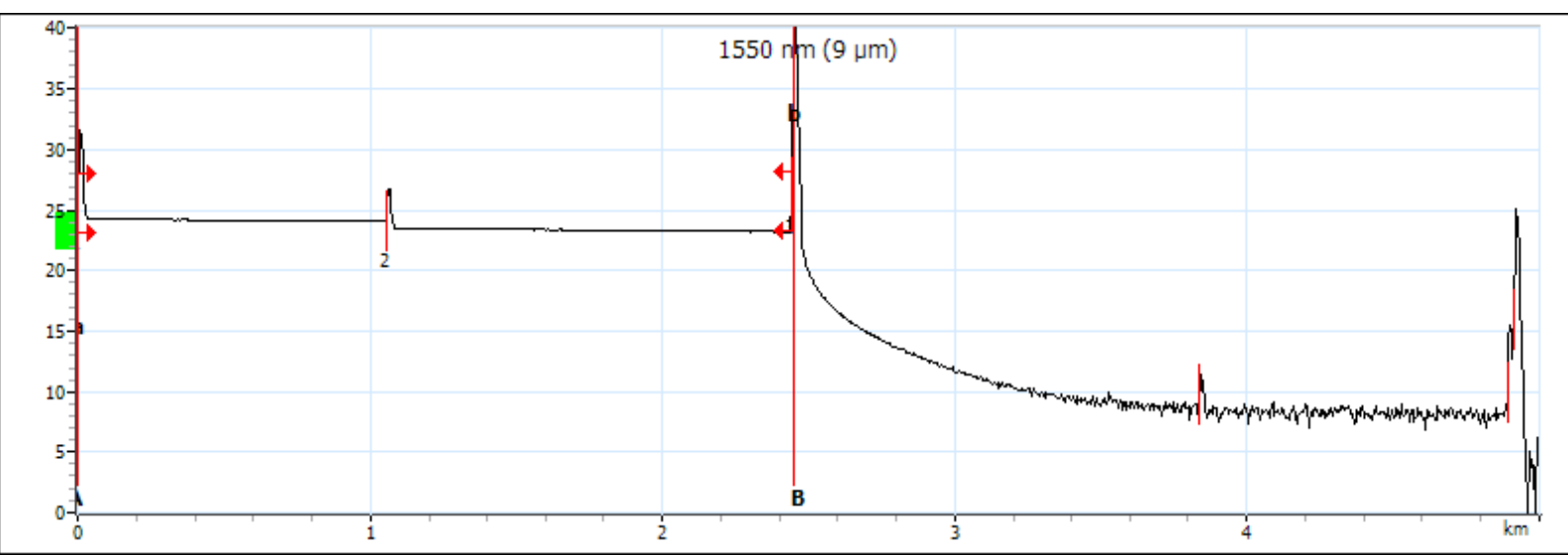
Locations

	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:	0.436 dB/km	Injection level:	24.3 dB
Span loss:	1.065 dB	Average splice loss:	---		
Span ORL:	39.14 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.599 dB/km	A-B average loss:	-7.200 dB/km
a	0.0000	24.579	A-B LSA loss:	1.467 dB	4-point Event Loss:	-18.133 dB
A	0.0000	24.579	A-B ORL:	<31.58 dB	Maximum reflectance:	>-25.9 dB
B	2.4505	42.222				
b	2.4505	42.222				

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		1.0566	0.214		0.202	0.214
Reflective	2	1.0566	0.558	-57.0		0.771
Section		1.3884	0.294		0.212	1.065
Reflective	3	2.4450	---	> -23.4		1.065
Section		1.3948	---		---	---
Reflective		3.8397	---	-56.5		---
Section		1.0528	---		---	---
Merged Events		4.8925	---	-27.6		---

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		