

OTDR Report (1310 nm (9 μm))

General Information

File name:	66_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:49 PM	Fiber ID:	66
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

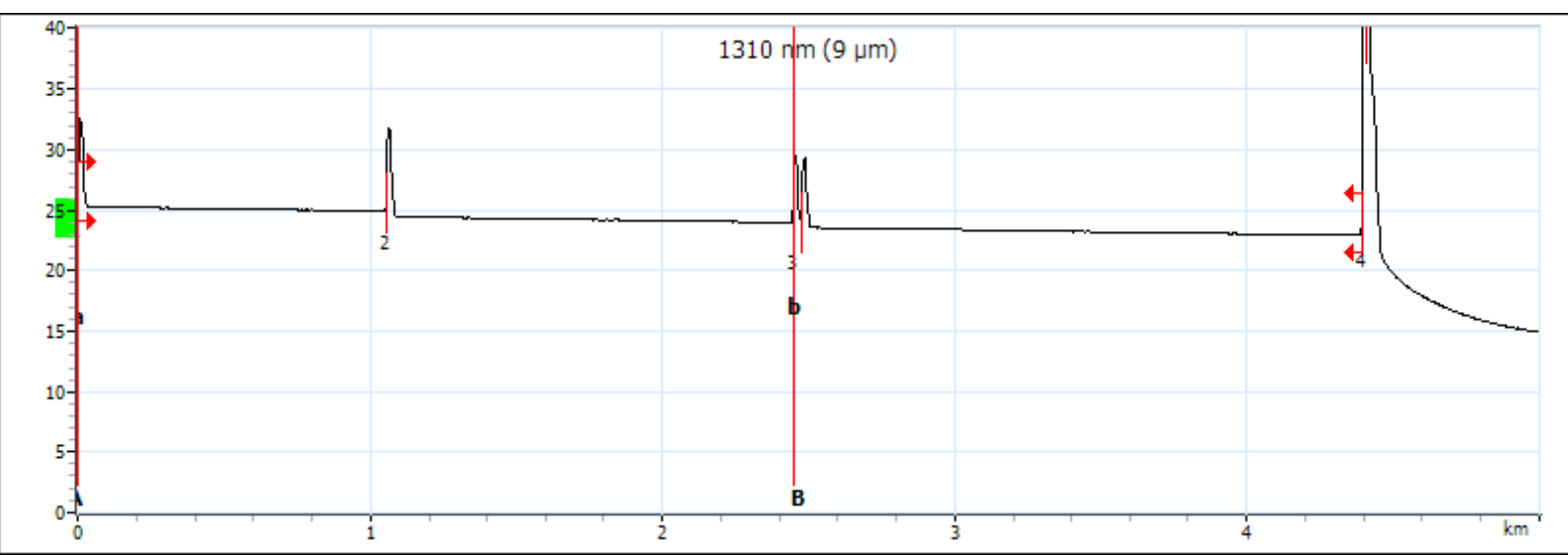
Locations

	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:	4.3929 km	Average loss:	0.541 dB/km	Injection level:	25.3 dB
Span loss:	2.378 dB	Average splice loss:	---		
Span ORL:	34.85 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.764 dB/km	A-B average loss:	-0.281 dB/km
a	0.0000	25.470	A-B LSA loss:	1.872 dB	4-point Event Loss:	-1.545 dB
A	0.0000	25.470	A-B ORL:	35.70 dB	Maximum reflectance:	-44.3 dB
B	2.4505	26.157				
b	2.4505	26.157				

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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	---	-44.3		0.000
Section		1.0558	0.365		0.346	0.365
Reflective	2	1.0558	0.460	-45.4		0.825
Section		1.3915	0.485		0.349	1.310
Merged Events	3	2.4473	0.397	-48.4		1.707
Section		1.9456	0.671		0.345	2.378
Merged Events	4	4.3929	---	> -20.0		2.378

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:	66_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:49 PM	Fiber ID:	66
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

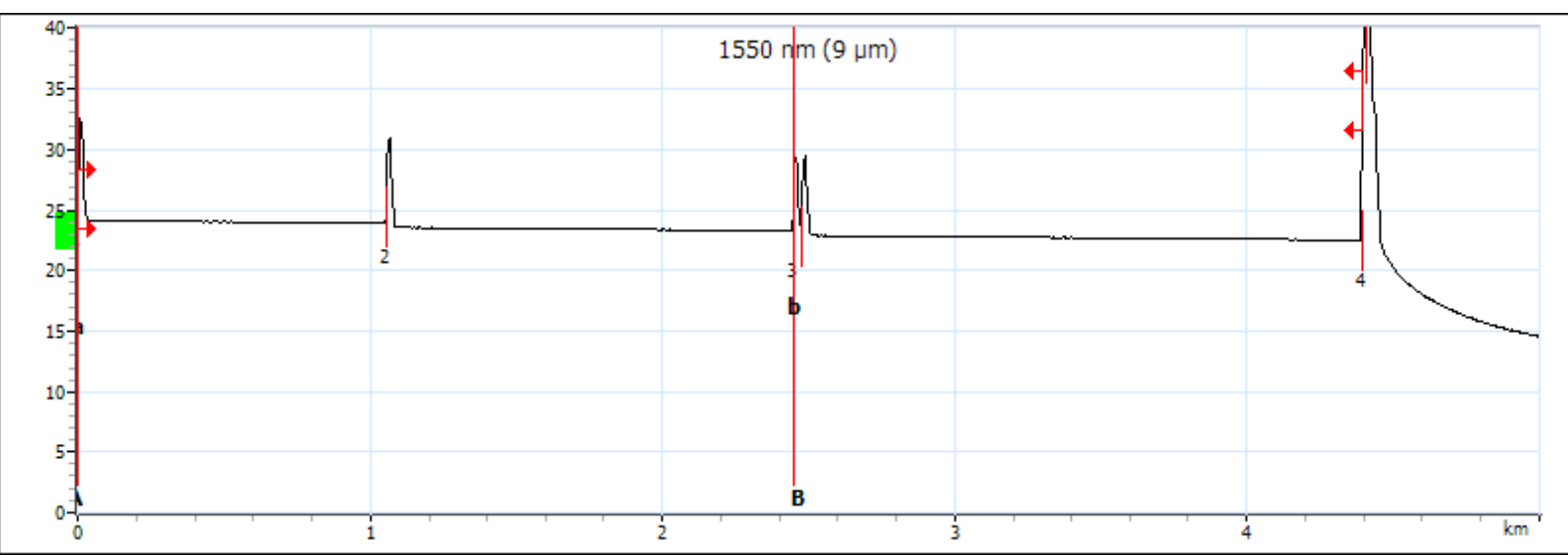
Locations

	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:	4.3935 km	Average loss:	0.367 dB/km	Injection level:	24.1 dB
Span loss:	1.613 dB	Average splice loss:	---		
Span ORL:	36.46 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.575 dB/km	A-B average loss:	-0.660 dB/km
a	0.0000	24.597	A-B LSA loss:	1.410 dB	4-point Event Loss:	-2.106 dB
A	0.0000	24.597	A-B ORL:	37.36 dB	Maximum reflectance:	-44.7 dB
B	2.4505	26.213				
b	2.4505	26.213				

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	---	-44.7		0.000
Section		1.0560	0.198		0.187	0.198
Reflective	2	1.0560	0.354	-47.3		0.552
Section		1.3909	0.290		0.209	0.842
Merged Events	3	2.4469	0.368	-49.4		1.211
Section		1.9467	0.402		0.207	1.613
Merged Events	4	4.3935	---	> -21.3		1.613

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		