

OTDR Report (1310 nm (9 μm))

General Information

File name:	70_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:53 PM	Fiber ID:	70
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

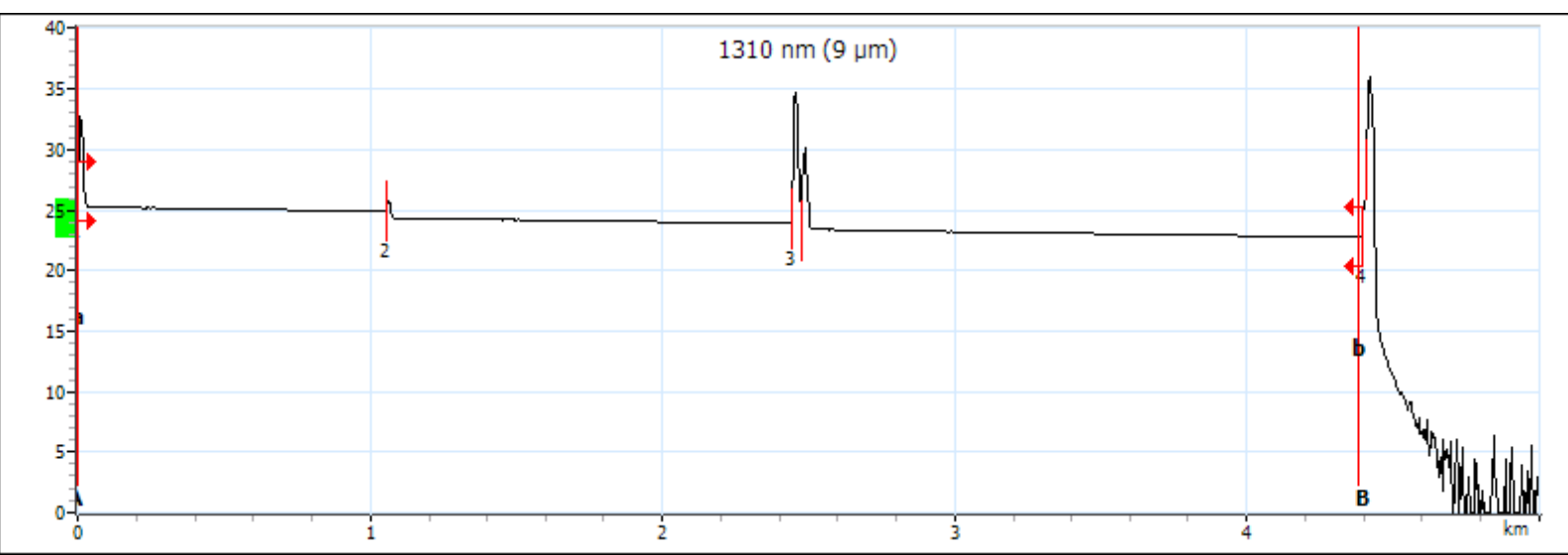
Locations

	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:	0.572 dB/km	Injection level:	25.3 dB
Span loss:	2.513 dB	Average splice loss:	---		
Span ORL:	34.08 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.665 dB/km	A-B average loss:	0.622 dB/km
a	0.0000	25.472	A-B LSA loss:	2.915 dB	4-point Event Loss:	1.191 dB
A	0.0000	25.472	A-B ORL:	33.61 dB	Maximum reflectance:	-40.2 dB
B	4.3846	22.746				
b	4.3846	22.746				

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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		1.0570	0.363		0.343	0.363
Reflective	2	1.0570	0.552	-62.1		0.915
Section		1.3896	0.468		0.337	1.383
Merged Events	3	2.4467	0.465	-37.4		1.848
Section		1.9469	0.665		0.341	2.513
Merged Events	4	4.3935	---	-32.6		2.513

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:	70_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:53 PM	Fiber ID:	70
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

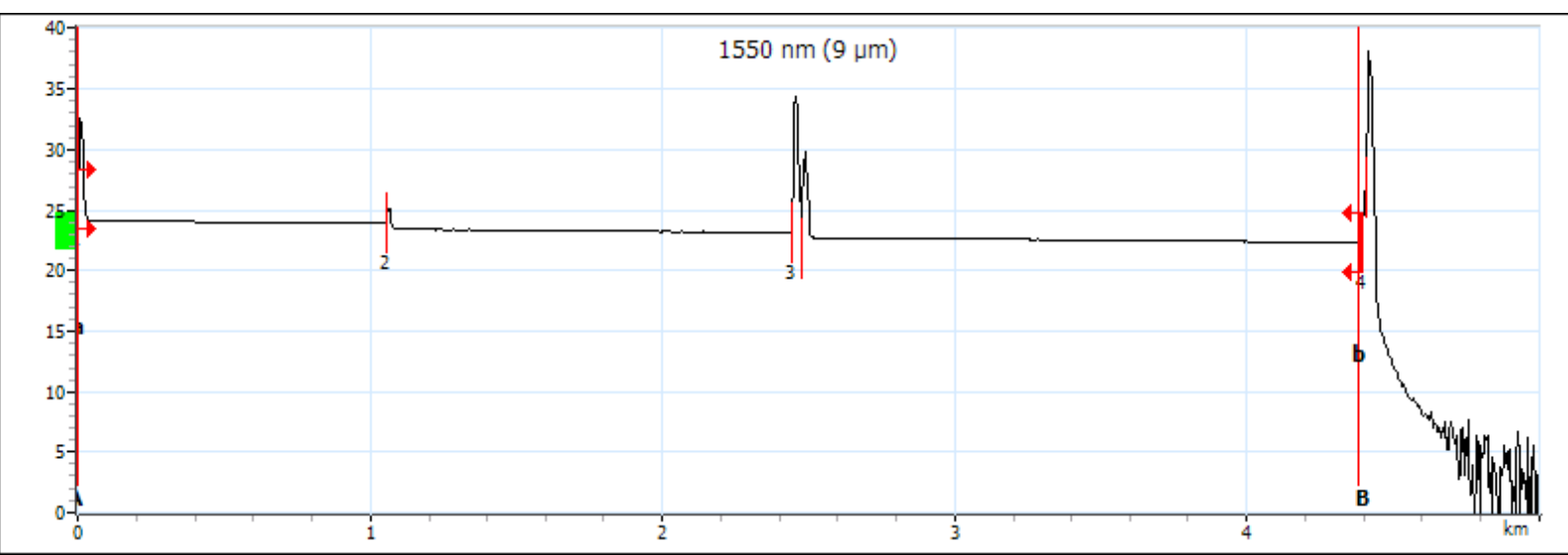
Locations

	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:	4.3923 km	Average loss:	0.406 dB/km	Injection level:	24.1 dB
Span loss:	1.784 dB	Average splice loss:	---		
Span ORL:	35.54 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.501 dB/km	A-B average loss:	0.526 dB/km
a	0.0000	24.636	A-B LSA loss:	2.198 dB	4-point Event Loss:	1.429 dB
A	0.0000	24.636	A-B ORL:	34.97 dB	Maximum reflectance:	-41.0 dB
B	4.3846	22.330				
b	4.3846	22.330				

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	---	-44.6		0.000
Section		1.0566	0.198		0.187	0.198
Reflective	2	1.0566	0.484	-62.3		0.682
Section		1.3897	0.296		0.213	0.977
Merged Events	3	2.4462	0.403	-39.0		1.381
Section		1.9460	0.403		0.207	1.784
Merged Events	4	4.3923	---	-30.1		1.784

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		