

OTDR Report (1310 nm (9 μm))

General Information

File name:	90_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:28 PM	Fiber ID:	90
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

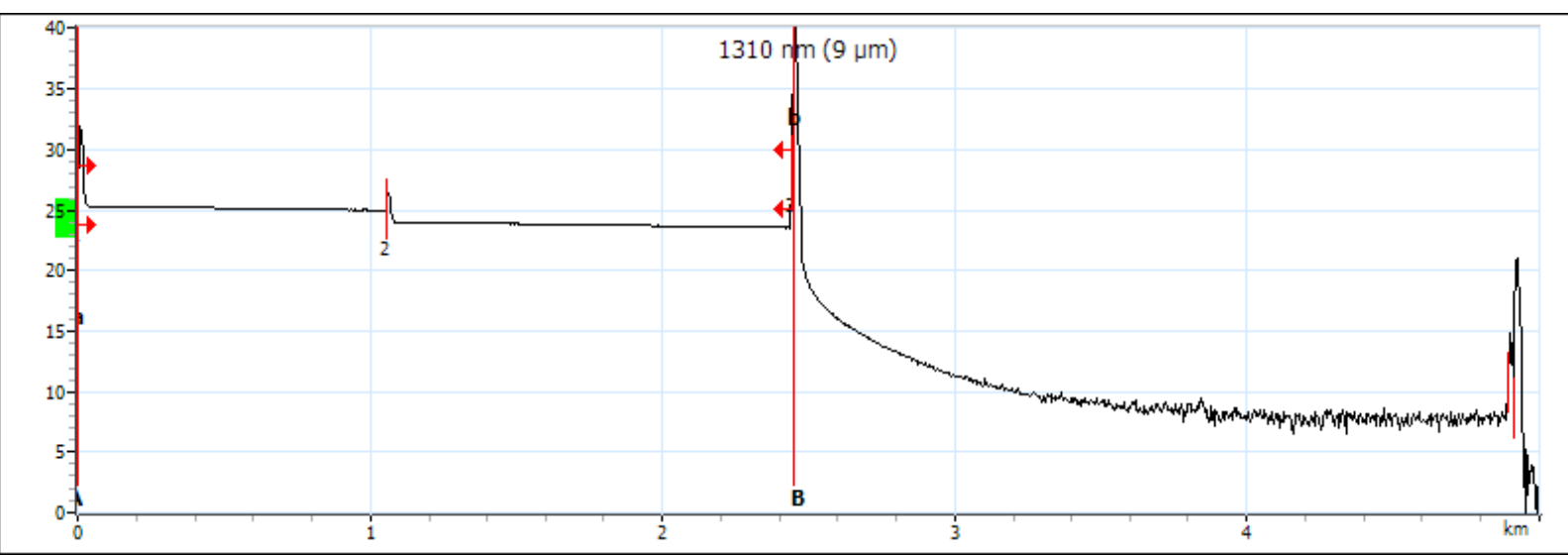
Locations

	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:	0.739 dB/km	Injection level:	25.3 dB
Span loss:	1.807 dB	Average splice loss:	---		
Span ORL:	37.42 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.971 dB/km	A-B average loss:	-6.742 dB/km
a	0.0000	25.358	A-B LSA loss:	2.379 dB	4-point Event Loss:	-17.378 dB
A	0.0000	25.358	A-B ORL:	<32.33 dB	Maximum reflectance:	> -26.4 dB
B	2.4505	41.879				
b	2.4505	41.879				

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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	---	-46.0		0.000
Section		1.0564	0.369		0.349	0.369
Reflective	2	1.0564	0.953	-59.3		1.321
Section		1.3890	0.485		0.349	1.807
Reflective	3	2.4454	---	> -22.1		1.807
Section		2.4479	---		---	---
Merged Events		4.8933	---	-31.4		---

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:	90_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:28 PM	Fiber ID:	90
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

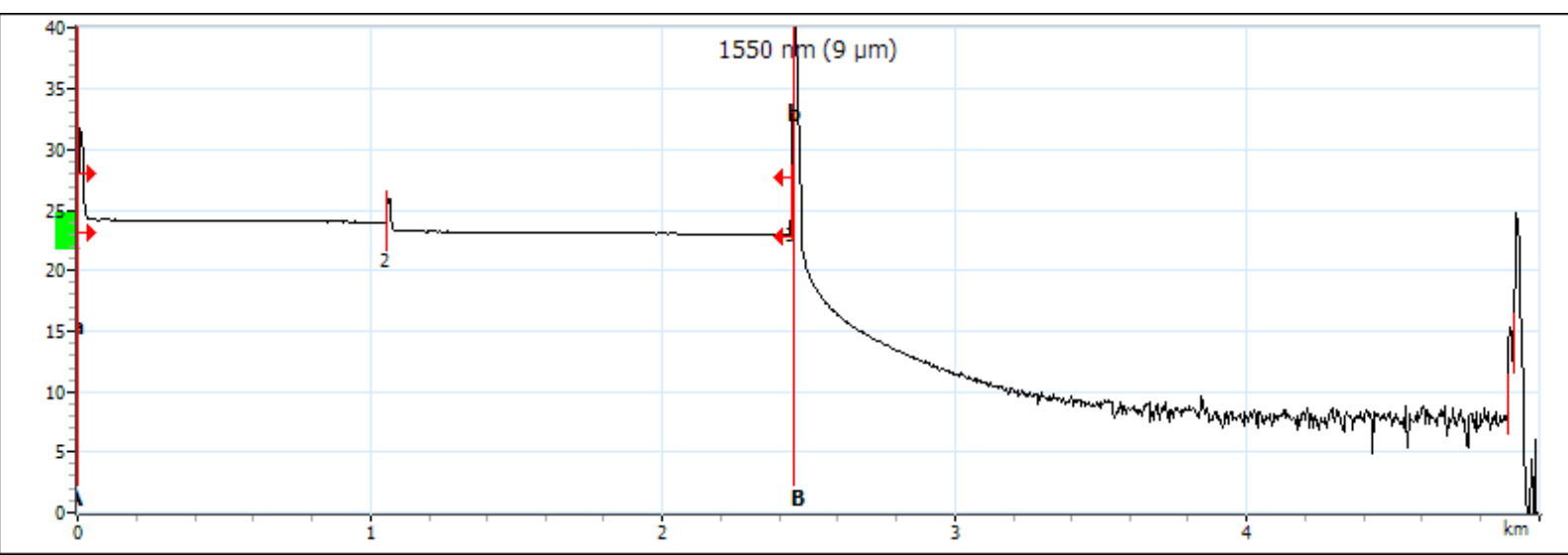
Locations

	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:	0.512 dB/km	Injection level:	24.2 dB
Span loss:	1.251 dB	Average splice loss:	---		
Span ORL:	39.34 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation: A-B LSA loss: A-B ORL:	0.715 dB/km 1.751 dB <31.73 dB	A-B average loss: 4-point Event Loss: Maximum reflectance:	-7.141 dB/km -17.989 dB > -26.0 dB
a	0.0000	24.625				
A	0.0000	24.625				
B	2.4505	42.124				
b	2.4505	42.124				

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	---	-46.4		0.000
Section		1.0566	0.211		0.200	0.211
Reflective	2	1.0566	0.750	-59.7		0.961
Section		1.3884	0.290		0.209	1.251
Reflective	3	2.4450	---	> -23.1		1.251
Section		2.4482	---		---	---
Merged Events		4.8931	---	-26.8		---

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		