

OTDR Report (1310 nm (9 μm))

General Information

File name:	94_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:02 PM	Fiber ID:	94
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

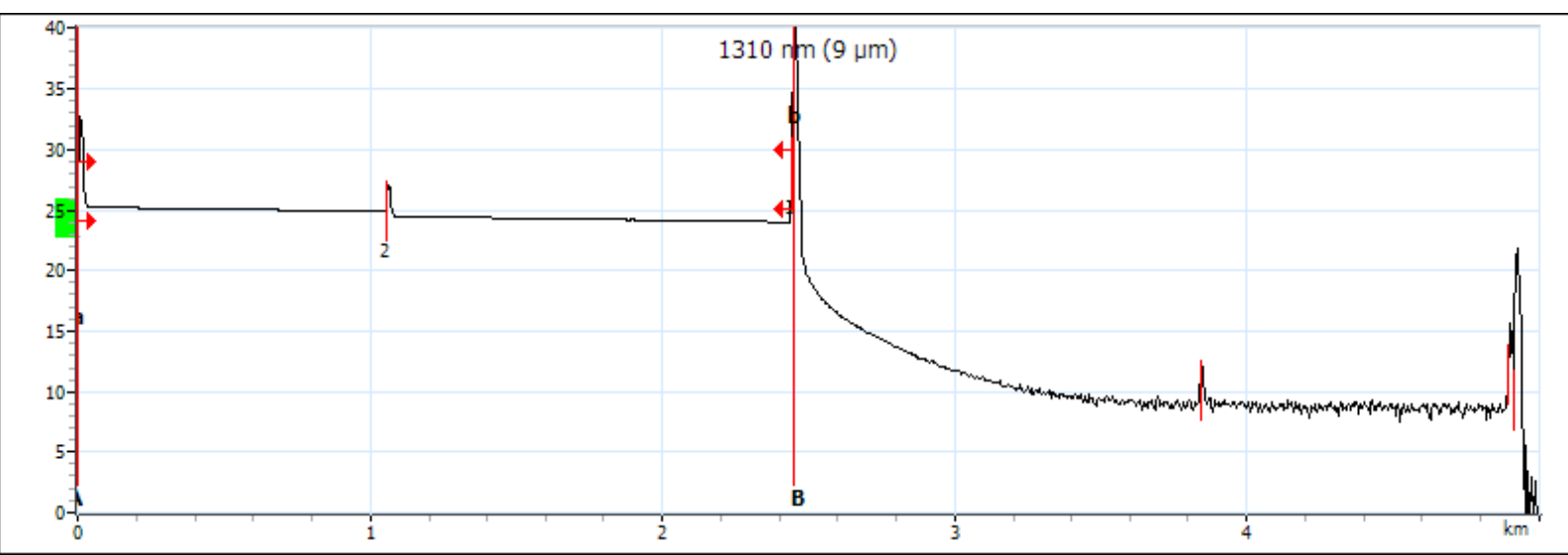
Locations

	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:	0.505 dB/km	Injection level:	25.2 dB
Span loss:	1.236 dB	Average splice loss:	---		
Span ORL:	36.90 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.656 dB/km	A-B average loss:	-6.777 dB/km
a	0.0000	25.445	A-B LSA loss:	1.607 dB	4-point Event Loss:	-17.465 dB
A	0.0000	25.445	A-B ORL:	<31.69 dB	Maximum reflectance:	> -25.9 dB
B	2.4505	42.053				
b	2.4505	42.053				

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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	---	-44.1		0.000
Section		1.0564	0.362		0.343	0.362
Reflective	2	1.0564	0.407	-56.4		0.769
Section		1.3890	0.466		0.336	1.236
Reflective	3	2.4454	---	> -22.8		1.236
Section		1.3947	---		---	---
Echo		3.8401	---	-53.6		---
Section		1.0539	---		---	---
Merged Events		4.8939	---	-32.3		---

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:	94_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:03 PM	Fiber ID:	94
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

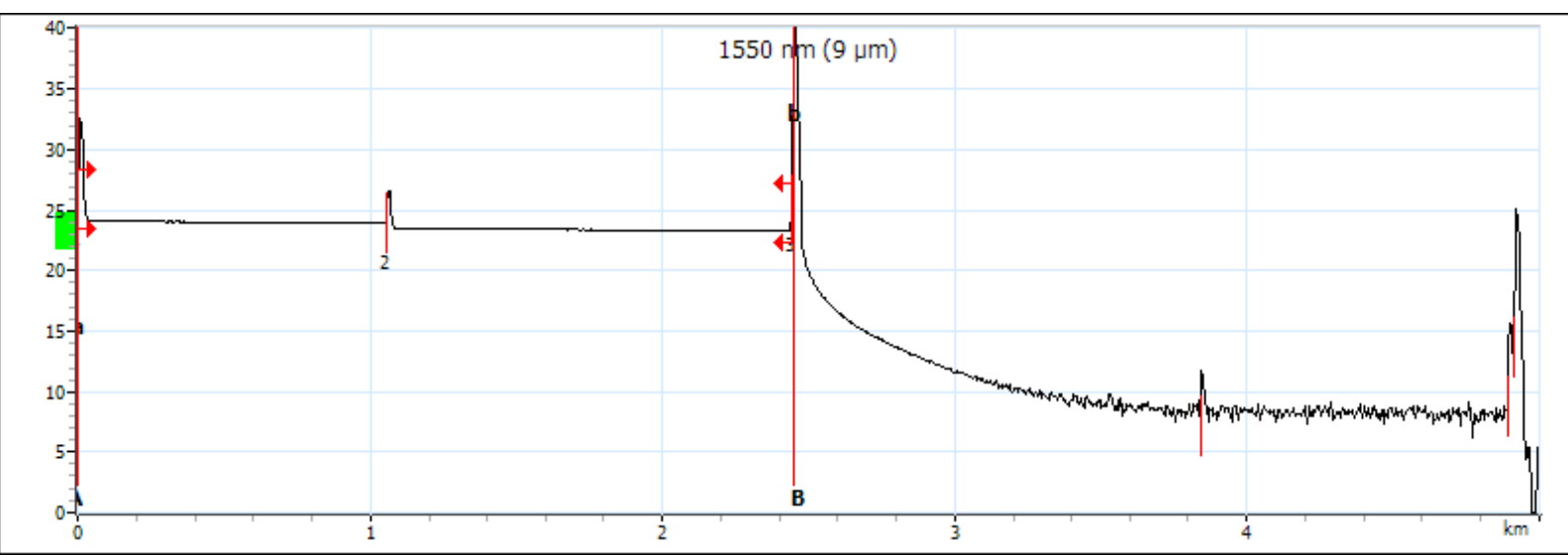
Locations

	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:	0.356 dB/km	Injection level:	24.1 dB
Span loss:	0.871 dB	Average splice loss:	---		
Span ORL:	38.95 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation: A-B LSA loss: A-B ORL:	0.514 dB/km 1.259 dB <31.49 dB	A-B average loss: 4-point Event Loss: Maximum reflectance:	-7.145 dB/km -17.999 dB > -25.8 dB
a	0.0000	24.653				
A	0.0000	24.653				
B	2.4505	42.162				
b	2.4505	42.162				

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	0.200		0.190	0.200
Reflective	2	1.0566	0.371	-57.4		0.572
Section		1.3884	0.299		0.216	0.871
Reflective	3	2.4450	---	> -23.4		0.871
Section		1.3954	---		---	---
Reflective		3.8404	---	-55.0		---
Section		1.0528	---		---	---
Merged Events		4.8931	---	-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		