

OTDR Report (1310 nm (9 μm))

General Information

File name:	26_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:20 PM	Fiber ID:	26
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

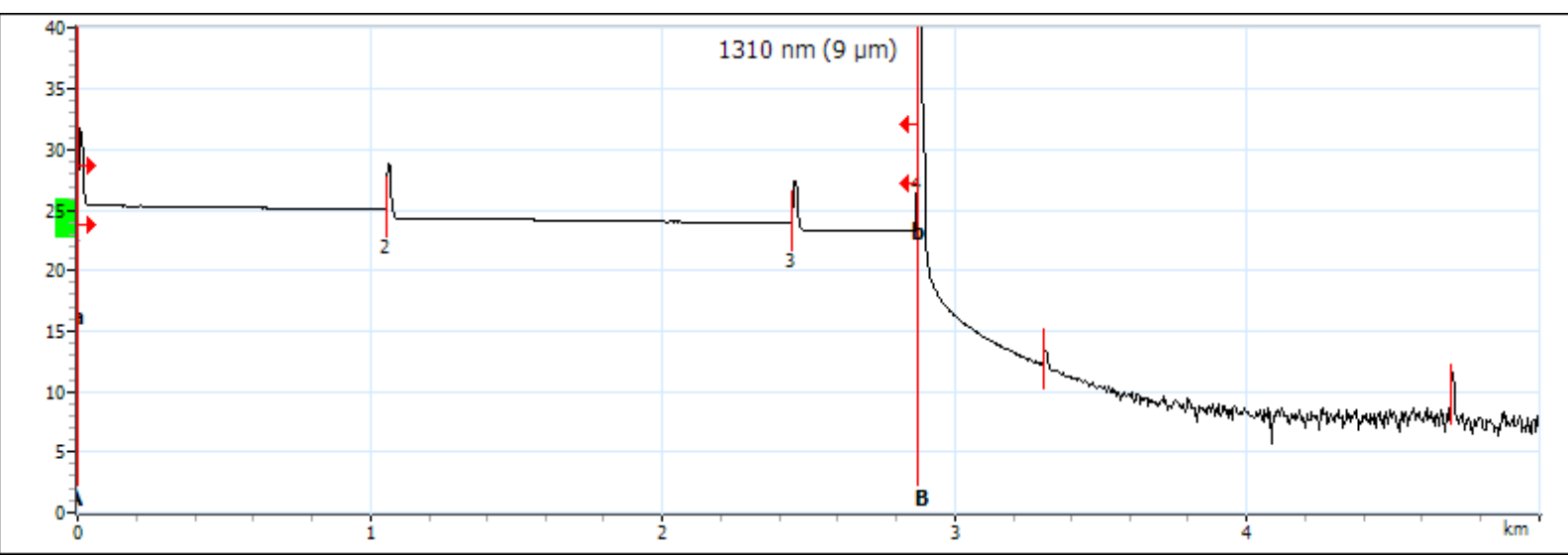
Locations

	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:	2.8737 km	Average loss:	0.750 dB/km	Injection level:	25.4 dB
Span loss:	2.156 dB	Average splice loss:	---		
Span ORL:	36.61 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.842 dB/km	A-B average loss:	-2.407 dB/km
a	0.0000	25.455	A-B LSA loss:	2.421 dB	4-point Event Loss:	-7.928 dB
A	0.0000	25.455	A-B ORL:	36.07 dB	Maximum reflectance:	-46.4 dB
B	2.8756	32.377				
b	2.8756	32.377				

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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	---	-46.4		0.000
Section		1.0558	0.374		0.354	0.374
Reflective	2	1.0558	0.654	-52.1		1.028
Section		1.3896	0.477		0.343	1.505
Reflective	3	2.4454	0.502	-52.6		2.008
Section		0.4283	0.149		0.347	2.156
Reflective	4	2.8737	---	> -21.6		2.156
Section		0.4309	---		---	---
Reflective		3.3045	---	-60.8		---
Section		1.3922	---		---	---
Reflective		4.6967	---	-51.4		---

Macroband

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	Macroband Wavelengths	Macroband 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:	26_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:20 PM	Fiber ID:	26
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

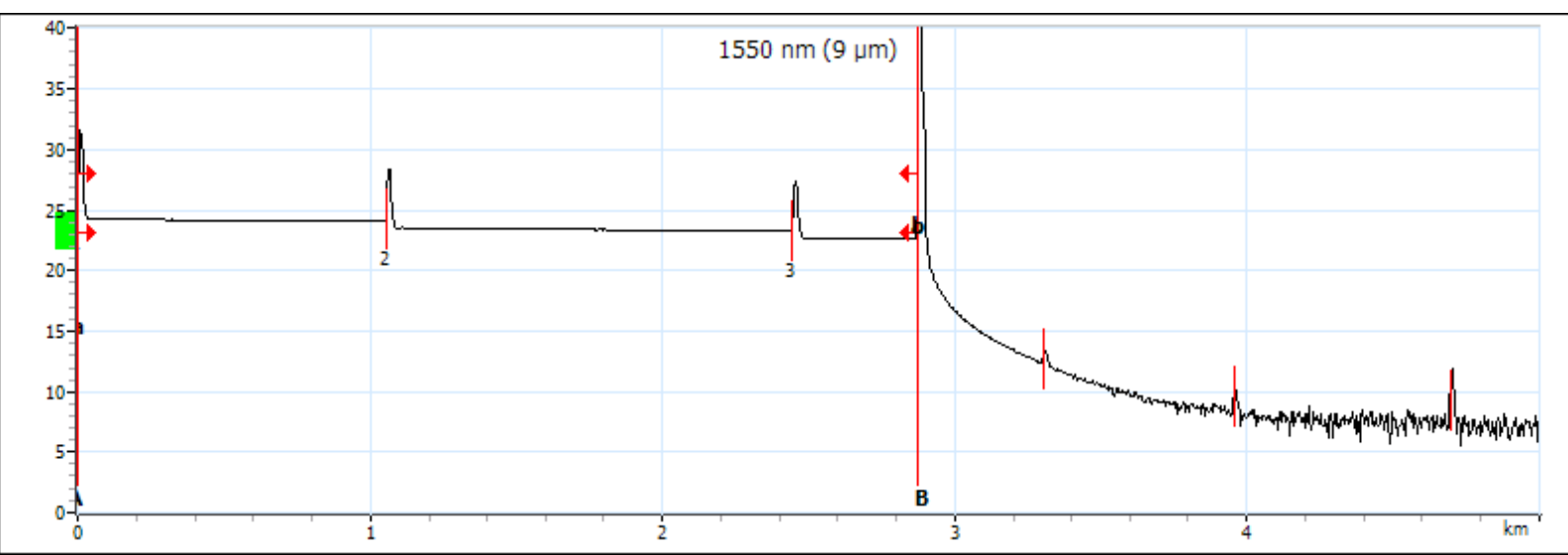
Locations

	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:	2.8737 km	Average loss:	0.563 dB/km	Injection level:	24.3 dB
Span loss:	1.619 dB	Average splice loss:	---		
Span ORL:	38.46 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.646 dB/km	A-B average loss:	-2.872 dB/km
a	0.0000	24.627	A-B LSA loss:	1.857 dB	4-point Event Loss:	-8.835 dB
A	0.0000	24.627	A-B ORL:	37.74 dB	Maximum reflectance:	-46.8 dB
B	2.8756	32.887				
b	2.8756	32.887				

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	---	-46.8		0.000
Section		1.0560	0.214		0.203	0.214
Reflective	2	1.0560	0.502	-53.1		0.717
Section		1.3890	0.301		0.217	1.018
Reflective	3	2.4450	0.515	-53.8		1.533
Section		0.4288	0.086		0.200	1.619
Reflective	4	2.8737	---	> -22.5		1.619
Section		0.4300	---		---	---
Reflective		3.3038	---	-63.3		---
Section		0.6527	---		---	---
Reflective		3.9565	---	-58.8		---
Section		0.7395	---		---	---
Reflective		4.6960	---	-53.0		---

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		