

OTDR Report (1310 nm (9 μm))

General Information

File name:	25_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:19 PM	Fiber ID:	25
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

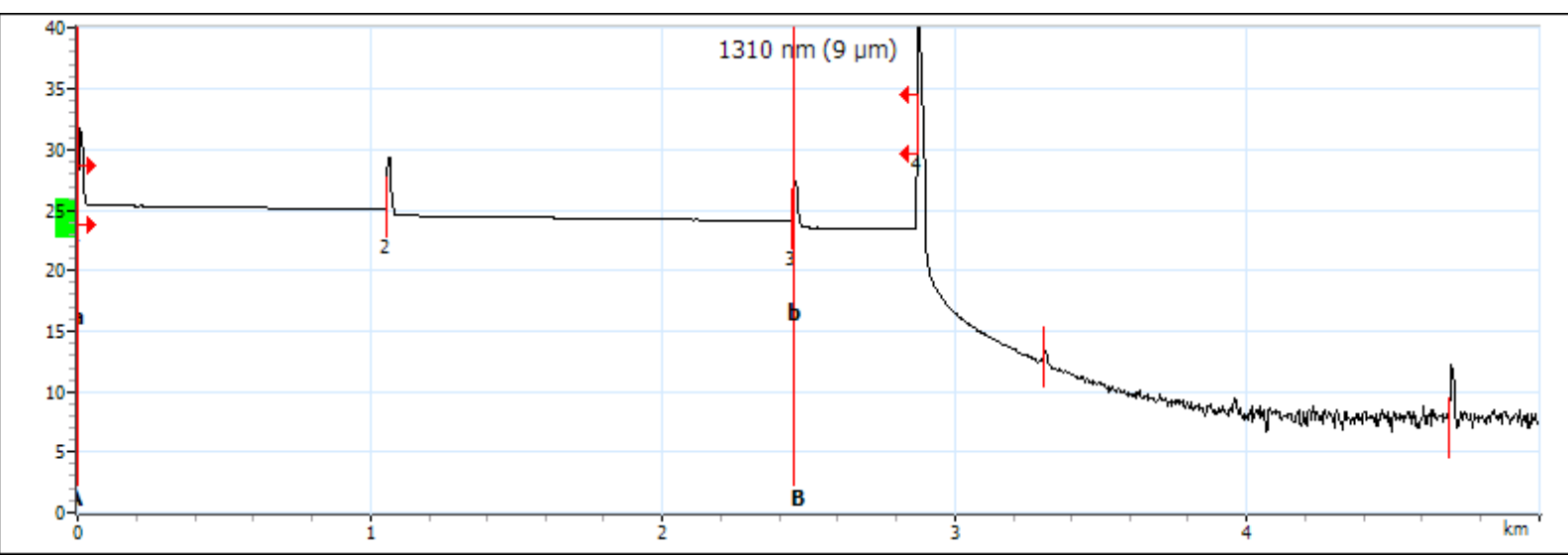
Locations

	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:	2.8730 km	Average loss:	0.691 dB/km	Injection level:	25.4 dB
Span loss:	1.985 dB	Average splice loss:	---		
Span ORL:	36.40 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.741 dB/km	A-B average loss:	-0.135 dB/km
a	0.0000	25.458	A-B LSA loss:	1.816 dB	4-point Event Loss:	-1.189 dB
A	0.0000	25.458	A-B ORL:	36.29 dB	Maximum reflectance:	-46.4 dB
B	2.4505	25.789				
b	2.4505	25.789				

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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	0.375		0.355	0.375
Reflective	2	1.0558	0.472	-50.6		0.846
Section		1.3890	0.475		0.342	1.321
Reflective	3	2.4447	0.519	-53.6		1.841
Section		0.4283	0.144		0.336	1.985
Reflective	4	2.8730	---	> -21.9		1.985
Section		0.4302	---		---	---
Reflective		3.3033	---	-62.0		---
Section		1.3915	---		---	---
Echo		4.6948	---	-50.2		---

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:	25_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:19 PM	Fiber ID:	25
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

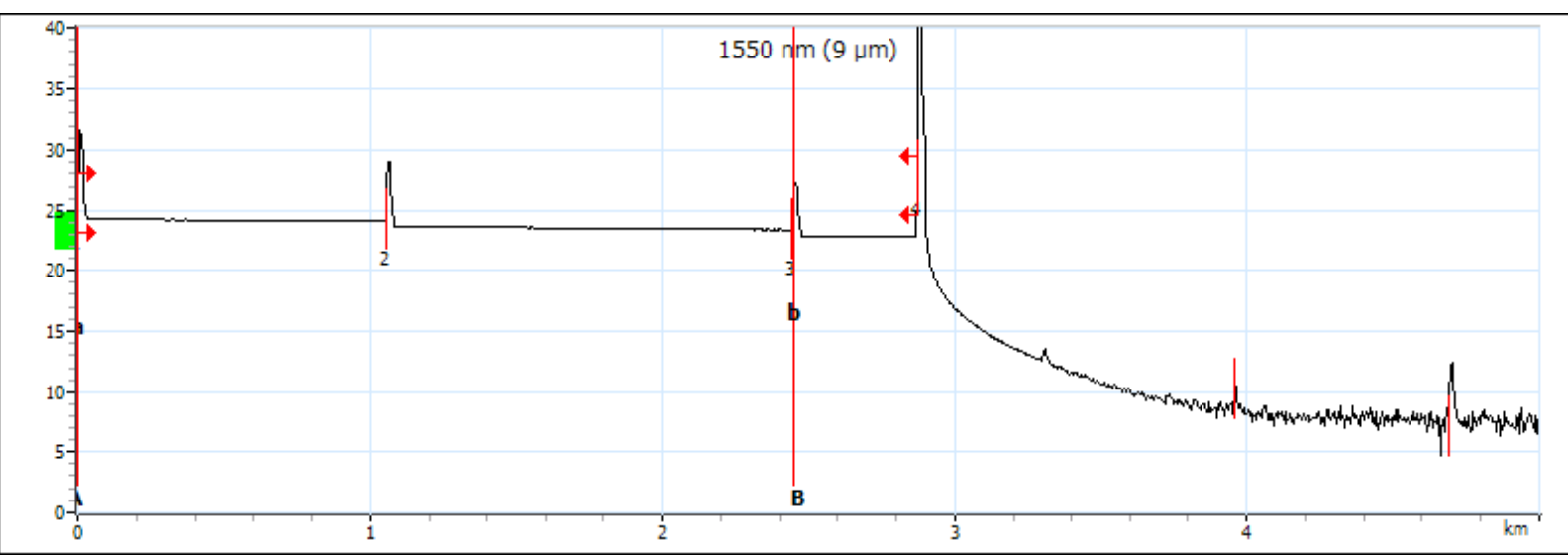
Locations

	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:	2.8731 km	Average loss:	0.520 dB/km	Injection level:	24.3 dB
Span loss:	1.493 dB	Average splice loss:	---		
Span ORL:	38.30 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.578 dB/km	A-B average loss:	-0.432 dB/km
a	0.0000	24.648	A-B LSA loss:	1.417 dB	4-point Event Loss:	-1.548 dB
A	0.0000	24.648	A-B ORL:	38.07 dB	Maximum reflectance:	-46.8 dB
B	2.4505	25.706				
b	2.4505	25.706				

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	0.212		0.201	0.212
Reflective	2	1.0560	0.408	-51.7		0.620
Section		1.3890	0.281		0.202	0.901
Reflective	3	2.4450	0.507	-54.6		1.409
Section		0.4281	0.084		0.197	1.493
Reflective	4	2.8731	---	> -22.7		1.493
Section		1.0840	---		---	---
Reflective		3.9571	---	-57.8		---
Section		0.7369	---		---	---
Echo		4.6941	---	-52.0		---

Macroband

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	Macroband Wavelengths	Macroband 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		