

OTDR Report (1310 nm (9 μm))

General Information

File name:	82_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:22 PM	Fiber ID:	82
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

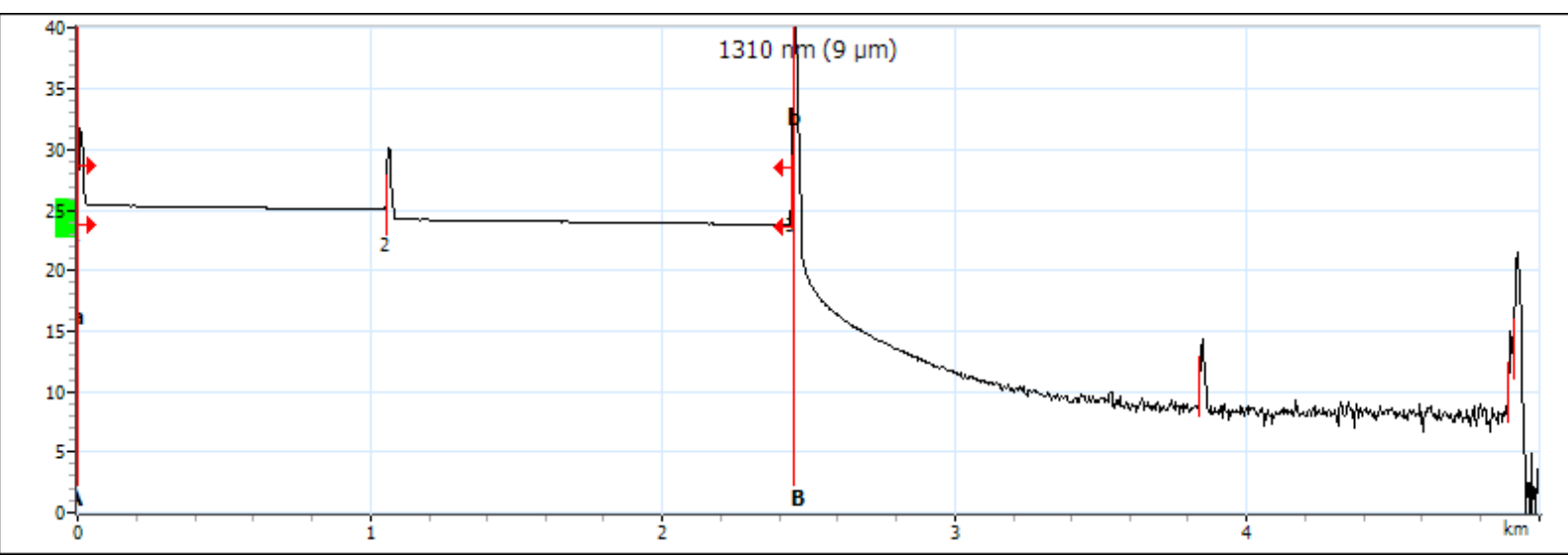
Locations

	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:	2.4460 km	Average loss:	0.666 dB/km	Injection level:	25.4 dB
Span loss:	1.630 dB	Average splice loss:	---		
Span ORL:	37.05 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.885 dB/km	A-B average loss:	-6.704 dB/km
a	0.0000	25.448	A-B LSA loss:	2.168 dB	4-point Event Loss:	-17.286 dB
A	0.0000	25.448	A-B ORL:	<33.26 dB	Maximum reflectance:	>-26.7 dB
B	2.4505	41.877				
b	2.4505	41.877				

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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	---	-46.3		0.000
Section		1.0558	0.374		0.354	0.374
Reflective	2	1.0558	0.790	-49.0		1.164
Section		1.3902	0.466		0.336	1.630
Reflective	3	2.4460	---	> -22.4		1.630
Section		1.3934	---		---	---
Reflective		3.8395	---	-47.1		---
Section		1.0558	---		---	---
Merged Events		4.8952	---	-32.0		---

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:	82_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:22 PM	Fiber ID:	82
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

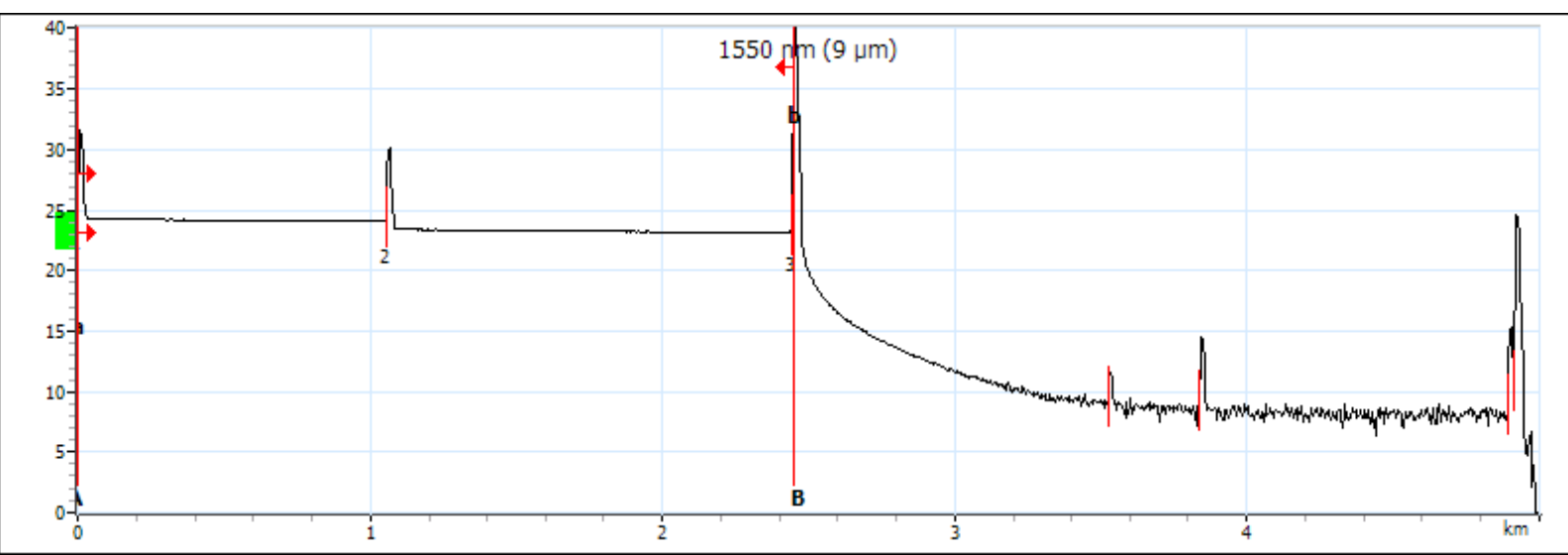
Locations

	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:	2.4456 km	Average loss:	0.471 dB/km	Injection level:	24.3 dB
Span loss:	1.152 dB	Average splice loss:	---		
Span ORL:	38.88 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.677 dB/km	A-B average loss:	-7.116 dB/km
a	0.0000	24.623	A-B LSA loss:	1.658 dB	4-point Event Loss:	-17.929 dB
A	0.0000	24.623	A-B ORL:	<32.84 dB	Maximum reflectance:	> -26.4 dB
B	2.4505	42.062				
b	2.4505	42.062				

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	---	-46.7		0.000
Section		1.0553	0.212		0.201	0.212
Reflective	2	1.0553	0.648	-49.3		0.860
Section		1.3903	0.292		0.210	1.152
Reflective	3	2.4456	---	> -23.2		1.152
Section		1.0815	---		---	---
Reflective		3.5271	---	-57.1		---
Section		0.3120	---		---	---
Reflective		3.8391	---	-49.2		---
Section		1.0553	---		---	---
Merged Events		4.8944	---	-28.0		---

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		