

OTDR Report (1310 nm (9 μm))

General Information

File name:	88_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:59 PM	Fiber ID:	88
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

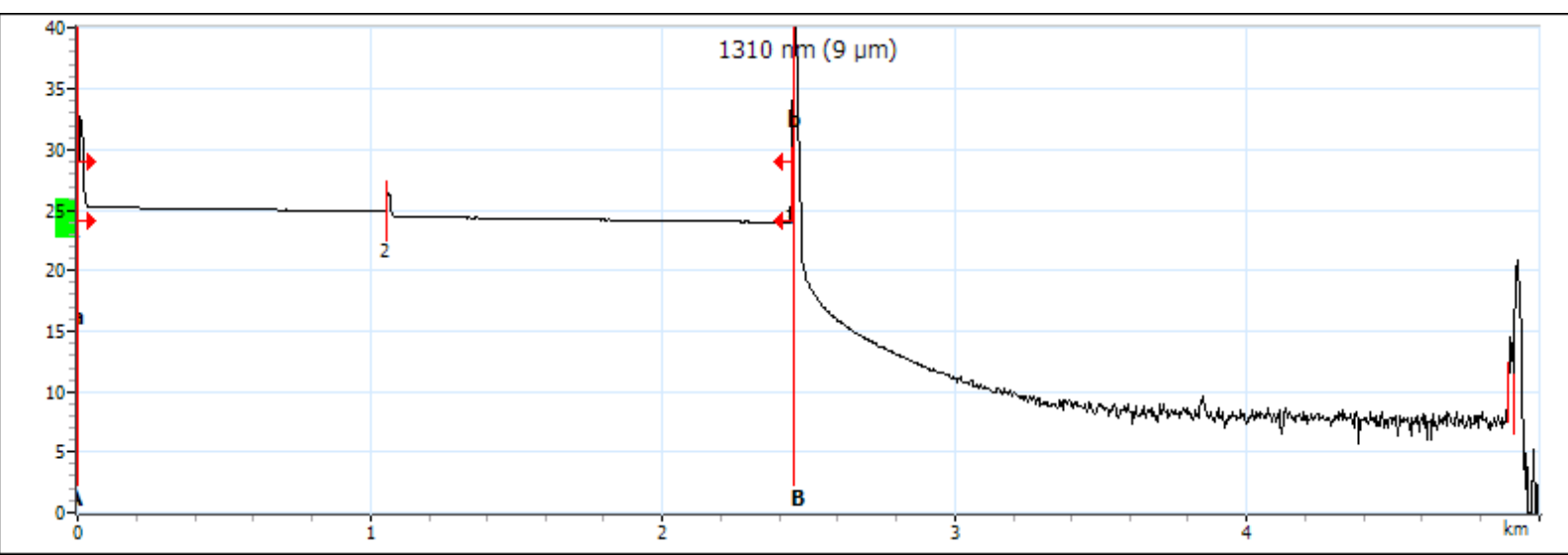
Locations

	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:	2.4460 km	Average loss:	0.521 dB/km	Injection level:	25.2 dB
Span loss:	1.275 dB	Average splice loss:	---		
Span ORL:	36.95 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.680 dB/km	A-B average loss:	-6.664 dB/km
a	0.0000	25.450	A-B LSA loss:	1.667 dB	4-point Event Loss:	-17.188 dB
A	0.0000	25.450	A-B ORL:	<32.28 dB	Maximum reflectance:	> -26.6 dB
B	2.4505	41.780				
b	2.4505	41.780				

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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	---	-44.2		0.000
Section		1.0564	0.364		0.345	0.364
Reflective	2	1.0564	0.431	-58.7		0.795
Section		1.3896	0.480		0.345	1.275
Reflective	3	2.4460	---	> -23.0		1.275
Section		2.4479	---		---	---
Merged Events		4.8939	---	-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:	88_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:59 PM	Fiber ID:	88
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

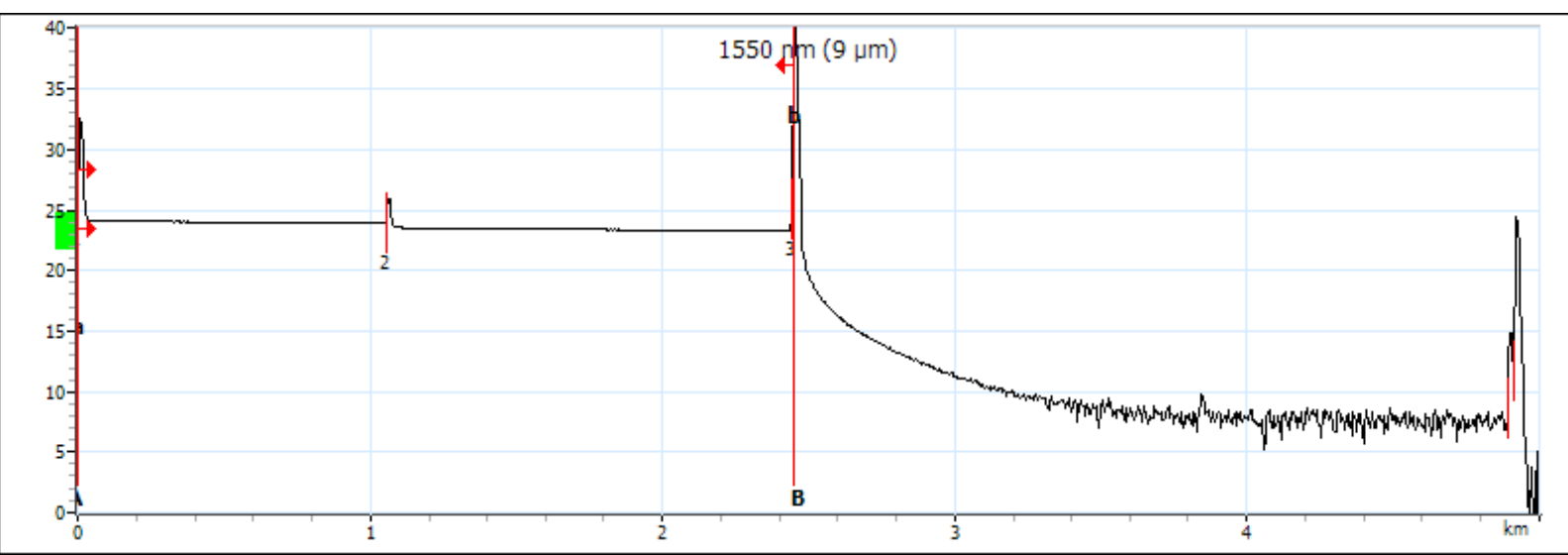
Locations

	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:	2.4456 km	Average loss:	0.349 dB/km	Injection level:	24.1 dB
Span loss:	0.852 dB	Average splice loss:	---		
Span ORL:	38.95 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.508 dB/km	A-B average loss:	-7.099 dB/km
a	0.0000	24.668	A-B LSA loss:	1.246 dB	4-point Event Loss:	-17.887 dB
A	0.0000	24.668	A-B ORL:	<32.35 dB	Maximum reflectance:	> -26.0 dB
B	2.4505	42.064				
b	2.4505	42.064				

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	0.202		0.191	0.202
Reflective	2	1.0566	0.352	-59.3		0.554
Section		1.3890	0.298		0.215	0.852
Reflective	3	2.4456	---	> -23.6		0.852
Section		2.4482	---		---	---
Merged Events		4.8938	---	-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		