

OTDR Report (1310 nm (9 μm))

General Information

File name:	61_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:42 PM	Fiber ID:	61
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

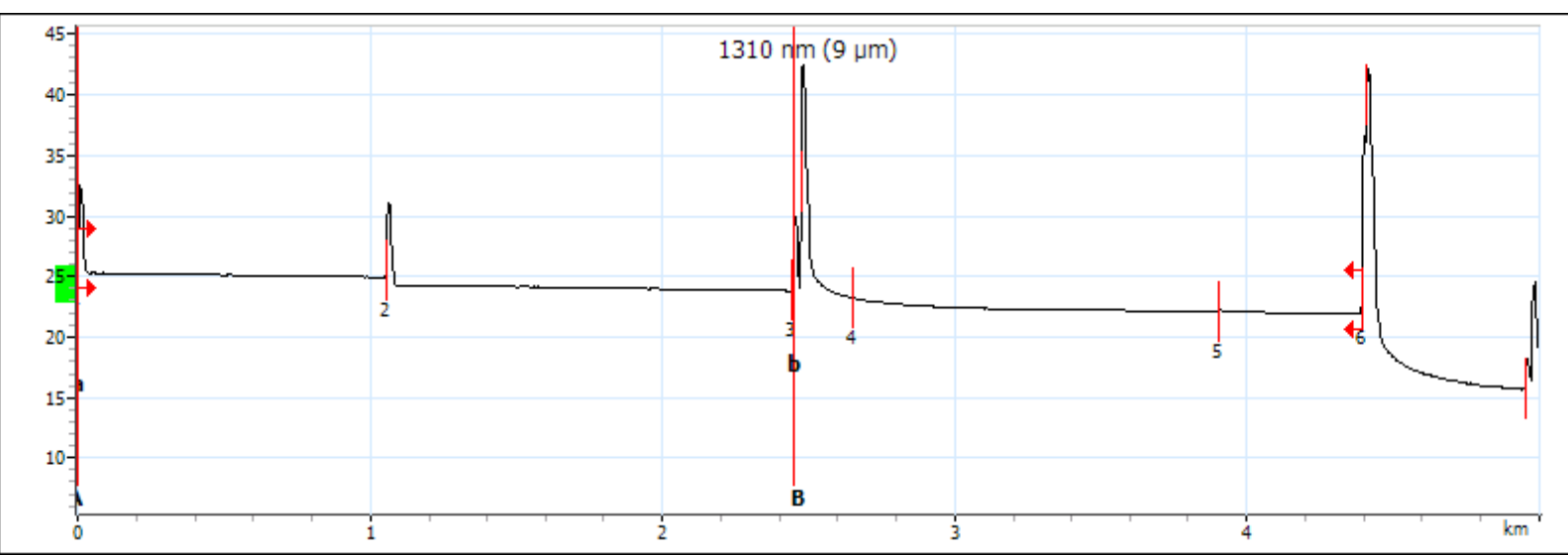
Locations

	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:	4.3929 km	Average loss:	1.050 dB/km	Injection level:	25.3 dB
Span loss:	4.614 dB	Average splice loss:	0.791 dB		
Span ORL:	<24.51 dB	Maximum splice loss:	0.791 dB		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.859 dB/km	A-B average loss:	-0.668 dB/km
a	0.0000	25.433	A-B LSA loss:	2.104 dB	4-point Event Loss:	-2.493 dB
A	0.0000	25.433	A-B ORL:	35.97 dB	Maximum reflectance:	-44.5 dB
B	2.4505	27.068				
b	2.4505	27.068				

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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	---	-44.5		0.000
Section		1.0558	0.365		0.345	0.365
Reflective	2	1.0558	0.623	-46.8		0.988
Section		1.3909	0.493		0.354	1.481
Merged Events	3	2.4467	0.222	> -21.8		1.702
Section		0.2043	1.362		6.668	3.064
Non-Reflective	4	2.6509	0.791			3.855
Section		1.2505	0.693		0.554	4.548
Reflective (Possible Echo)	5	3.9014	-0.081	-69.0		4.467
Section		0.4915	0.147		0.299	4.614
Merged Events	6	4.3929	---	> -18.7		4.614
Section		0.5592	---		---	---
Reflective		4.9520	---	-55.1		---

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:	61_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:42 PM	Fiber ID:	61
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

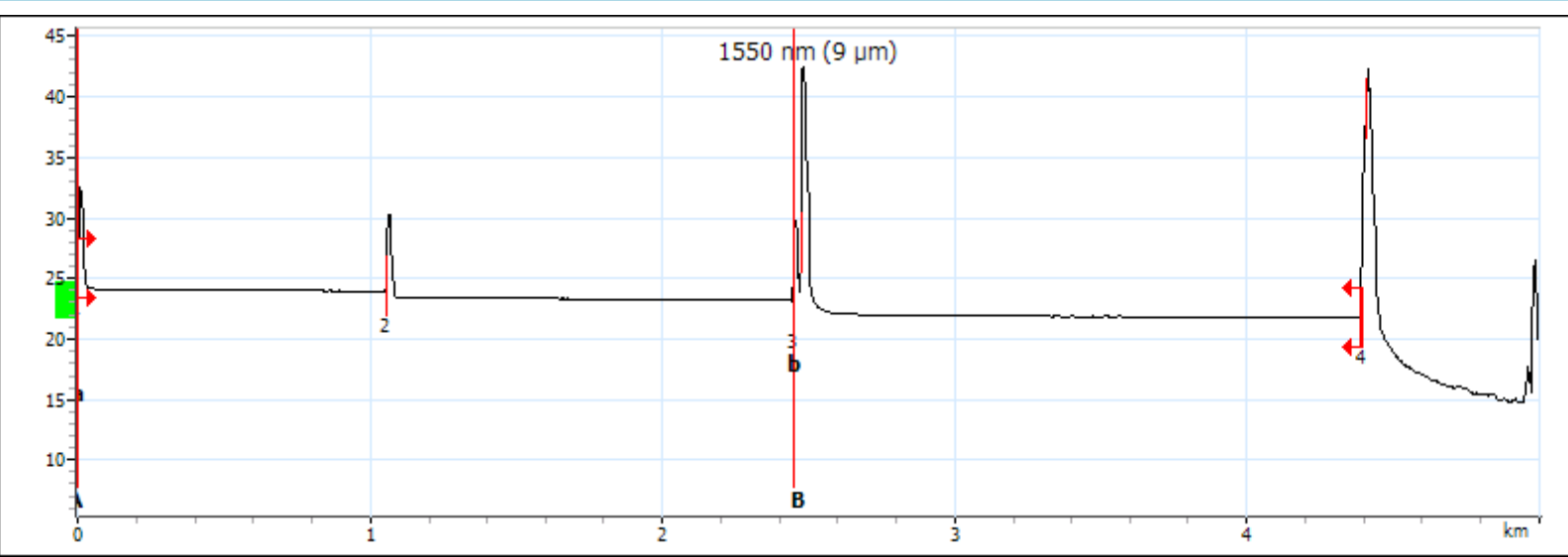
Locations

	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:	4.3923 km	Average loss:	0.558 dB/km	Injection level:	24.1 dB
Span loss:	2.449 dB	Average splice loss:	---		
Span ORL:	<24.63 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.649 dB/km	A-B average loss:	-0.968 dB/km
a	0.0000	24.725	A-B LSA loss:	1.591 dB	4-point Event Loss:	-2.863 dB
A	0.0000	24.725	A-B ORL:	37.60 dB	Maximum reflectance:	-44.8 dB
B	2.4505	27.098				
b	2.4505	27.098				

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	---	-44.8		0.000
Section		1.0560	0.202		0.191	0.202
Reflective	2	1.0560	0.481	-48.7		0.683
Section		1.3909	0.295		0.212	0.978
Merged Events	3	2.4469	1.113	> -22.8		2.091
Section		1.9454	0.358		0.184	2.449
Merged Events	4	4.3923	---	> -20.1		2.449

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		