

OTDR Report (1310 nm (9 μm))

General Information

File name:	91_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:28 PM	Fiber ID:	91
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

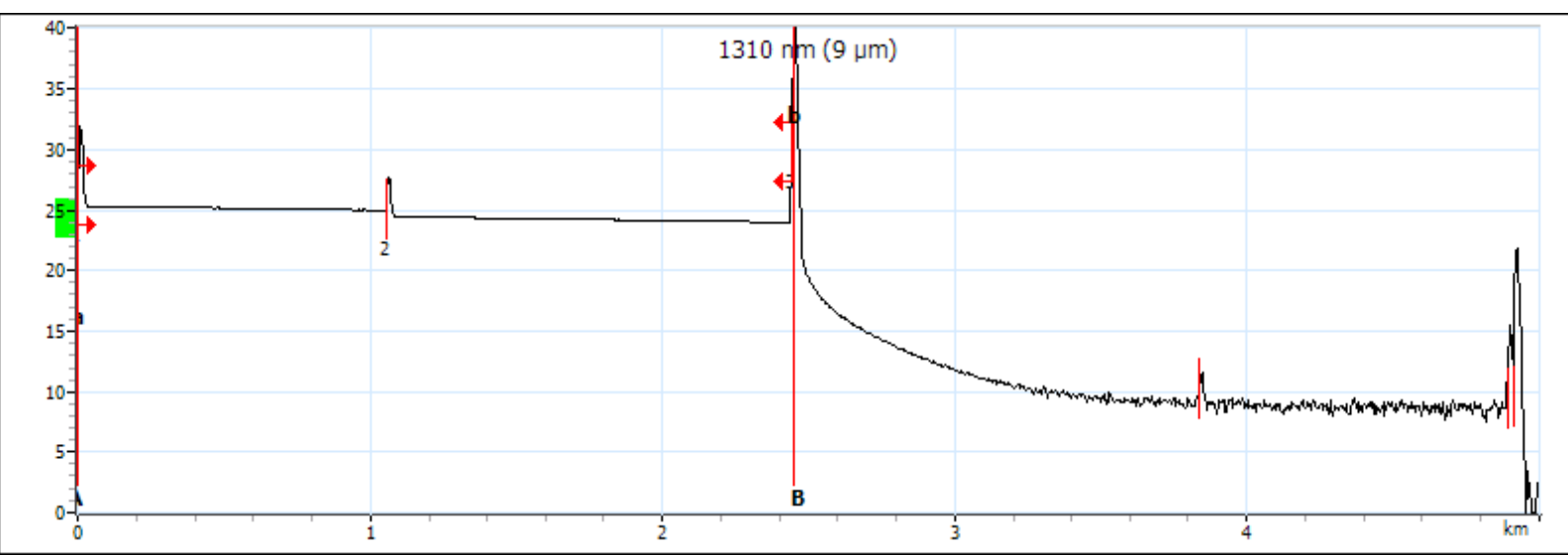
Locations

	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:	2.4447 km	Average loss:	0.553 dB/km	Injection level:	25.3 dB
Span loss:	1.352 dB	Average splice loss:	---		
Span ORL:	36.99 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.692 dB/km	A-B average loss:	-6.832 dB/km
a	0.0000	25.357	A-B LSA loss:	1.697 dB	4-point Event Loss:	-17.599 dB
A	0.0000	25.357	A-B ORL:	<31.04 dB	Maximum reflectance:	> -25.9 dB
B	2.4505	42.099				
b	2.4505	42.099				

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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	---	-46.0		0.000
Section		1.0564	0.372		0.353	0.372
Reflective	2	1.0564	0.503	-54.8		0.876
Section		1.3883	0.477		0.343	1.352
Reflective	3	2.4447	---	> -22.8		1.352
Section		1.3941	---		---	---
Reflective		3.8388	---	-55.4		---
Section		1.0539	---		---	---
Merged Events		4.8927	---	-32.5		---

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:	91_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:28 PM	Fiber ID:	91
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

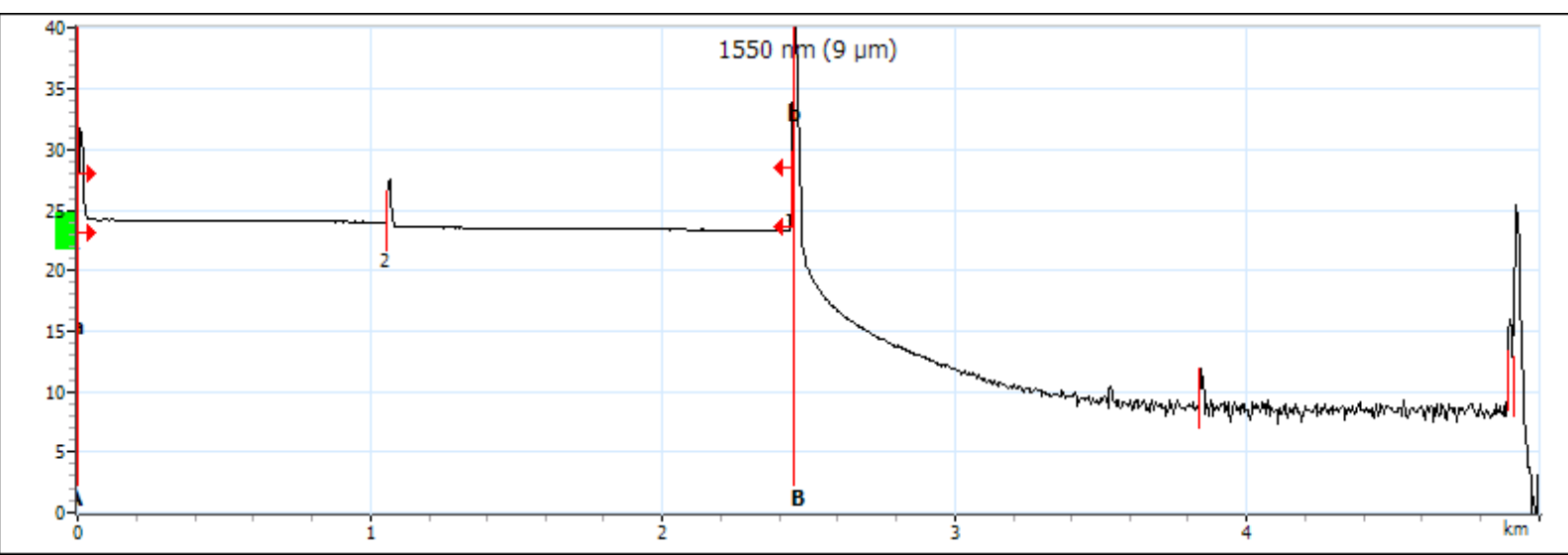
Locations

	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:	2.4450 km	Average loss:	0.373 dB/km	Injection level:	24.2 dB
Span loss:	0.912 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 LSA loss: 1.244 dB A-B ORL: <30.93 dB	A-B average loss: -7.178 dB/km 4-point Event Loss: -18.080 dB Maximum reflectance: >-25.8 dB
a	0.0000	24.637		
A	0.0000	24.637		
B	2.4505	42.227		
b	2.4505	42.227		

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	---	-46.4		0.000
Section		1.0560	0.210		0.198	0.210
Reflective	2	1.0560	0.411	-55.1		0.620
Section		1.3890	0.292		0.210	0.912
Reflective	3	2.4450	---	> -23.6		0.912
Section		1.3941	---		---	---
Reflective		3.8391	---	-56.0		---
Section		1.0528	---		---	---
Merged Events		4.8919	---	-27.5		---

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		