

OTDR Report (1310 nm (9 μm))

General Information

File name:	95_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:30 PM	Fiber ID:	95
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

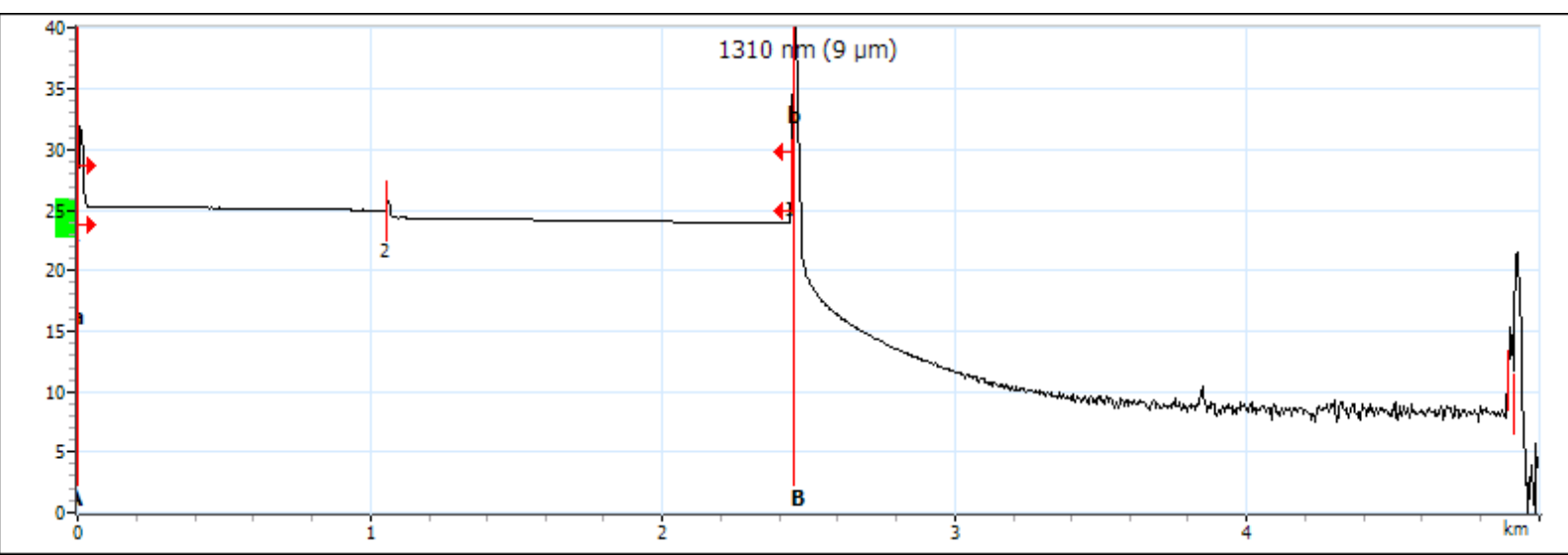
Locations

	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:	2.4454 km	Average loss:	0.591 dB/km	Injection level:	25.3 dB
Span loss:	1.446 dB	Average splice loss:	---		
Span ORL:	37.12 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.754 dB/km	A-B average loss:	-6.780 dB/km
a	0.0000	25.362	A-B LSA loss:	1.848 dB	4-point Event Loss:	-17.473 dB
A	0.0000	25.362	A-B ORL:	<32.07 dB	Maximum reflectance:	> -26.2 dB
B	2.4505	41.978				
b	2.4505	41.978				

OTDR Report (1310 nm (9 μm))

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0.0000	---	-46.0		0.000
Section		1.0570	0.372		0.352	0.372
Reflective	2	1.0570	0.590	-63.1		0.963
Section		1.3883	0.483		0.348	1.446
Reflective	3	2.4454	---	> -22.7		1.446
Section		2.4479	---		---	---
Merged Events		4.8933	---	-32.3		---

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:	95_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:30 PM	Fiber ID:	95
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

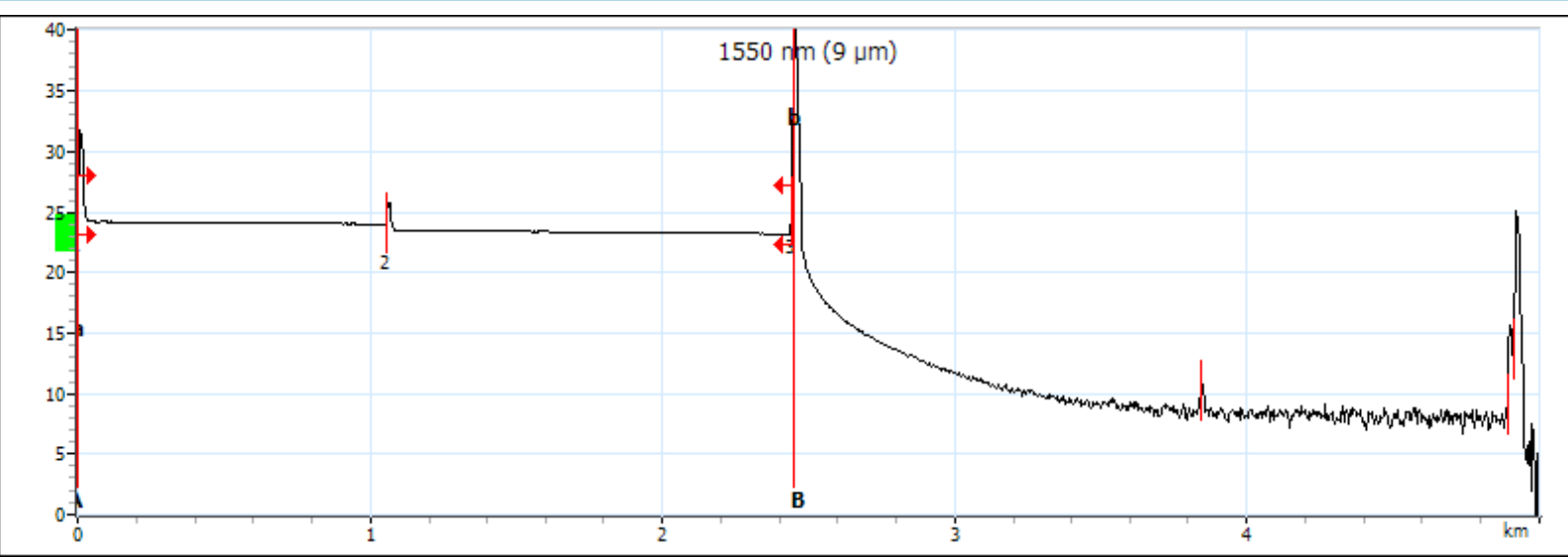
Locations

	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:	0.415 dB/km	Injection level:	24.2 dB
Span loss:	1.016 dB	Average splice loss:	---		
Span ORL:	39.12 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.575 dB/km	A-B average loss:	-7.131 dB/km
a	0.0000	24.639	A-B LSA loss:	1.410 dB	4-point Event Loss:	-17.965 dB
A	0.0000	24.639	A-B ORL:	<31.89 dB	Maximum reflectance:	>-26.1 dB
B	2.4505	42.113				
b	2.4505	42.113				

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		1.0566	0.209		0.198	0.209
Reflective	2	1.0566	0.504	-60.2		0.713
Section		1.3884	0.302		0.218	1.016
Reflective	3	2.4450	---	> -23.5		1.016
Section		1.3960	---		---	---
Reflective		3.8410	---	-57.5		---
Section		1.0521	---		---	---
Merged Events		4.8931	---	-27.1		---

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		