

# 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:	2:56 PM	Fiber ID:	82
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

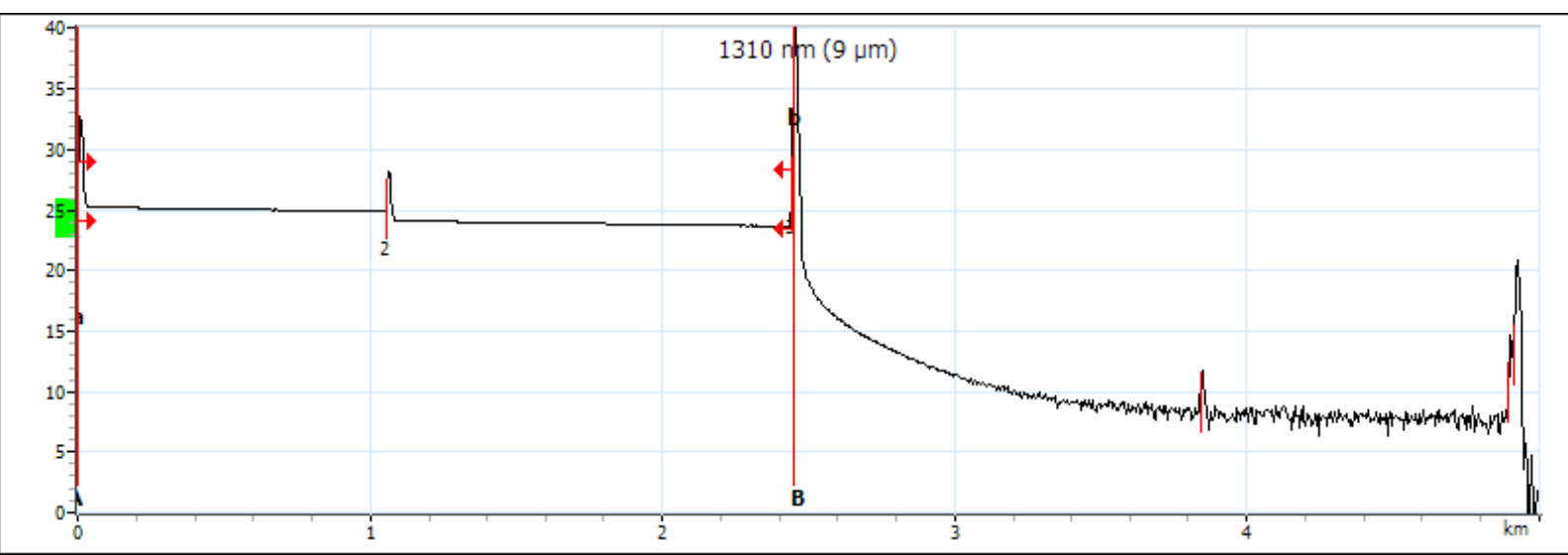
## Locations

	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:	0.650 dB/km	Injection level:	25.2 dB
Span loss:	1.591 dB	Average splice loss:	---		
Span ORL:	37.18 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.883 dB/km	A-B average loss:	-6.678 dB/km
a	0.0000	25.445	A-B LSA loss:	2.163 dB	4-point Event Loss:	-17.223 dB
A	0.0000	25.445	A-B ORL:	<33.07 dB	Maximum reflectance:	> -26.5 dB
B	2.4505	41.811				
b	2.4505	41.811				

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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		1.0558	0.362		0.343	0.362
Reflective	2	1.0558	0.768	-53.4		1.130
Section		1.3902	0.461		0.332	1.591
Reflective	3	2.4460	---	> -22.3		1.591
Section		1.3954	---		---	---
Reflective		3.8414	---	-52.9		---
Section		1.0539	---		---	---
Merged Events		4.8952	---	-32.2		---

## 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:	2:56 PM	Fiber ID:	82
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

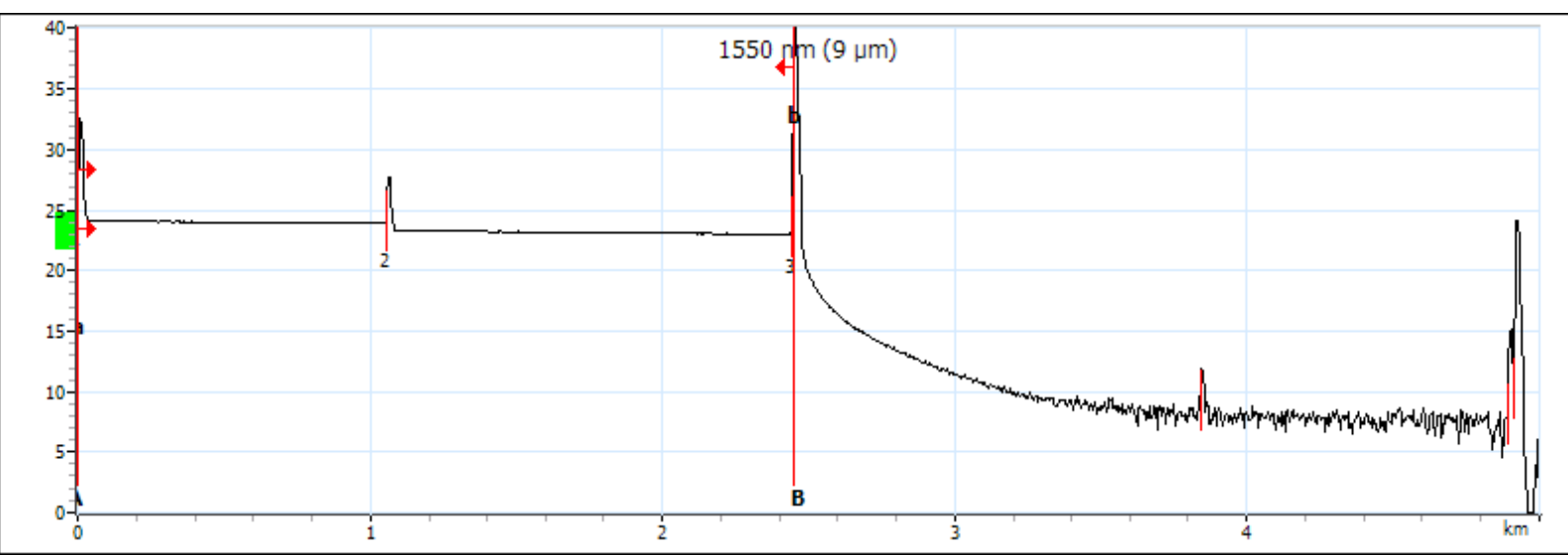
## Locations

	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:	0.453 dB/km	Injection level:	24.1 dB
Span loss:	1.109 dB	Average splice loss:	---		
Span ORL:	39.09 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.668 dB/km	A-B average loss:	-7.084 dB/km
a	0.0000	24.671	A-B LSA loss:	1.637 dB	4-point Event Loss:	-17.850 dB
A	0.0000	24.671	A-B ORL:	<32.58 dB	Maximum reflectance:	> -26.1 dB
B	2.4505	42.030				
b	2.4505	42.030				

# 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		1.0560	0.200		0.190	0.200
Reflective	2	1.0560	0.595	-54.1		0.796
Section		1.3897	0.313		0.226	1.109
Reflective	3	2.4456	---	> -23.1		1.109
Section		1.3948	---		---	---
Reflective		3.8404	---	-53.2		---
Section		1.0547	---		---	---
Merged Events		4.8950	---	-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		