

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	92_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:29 PM	Fiber ID:	92
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

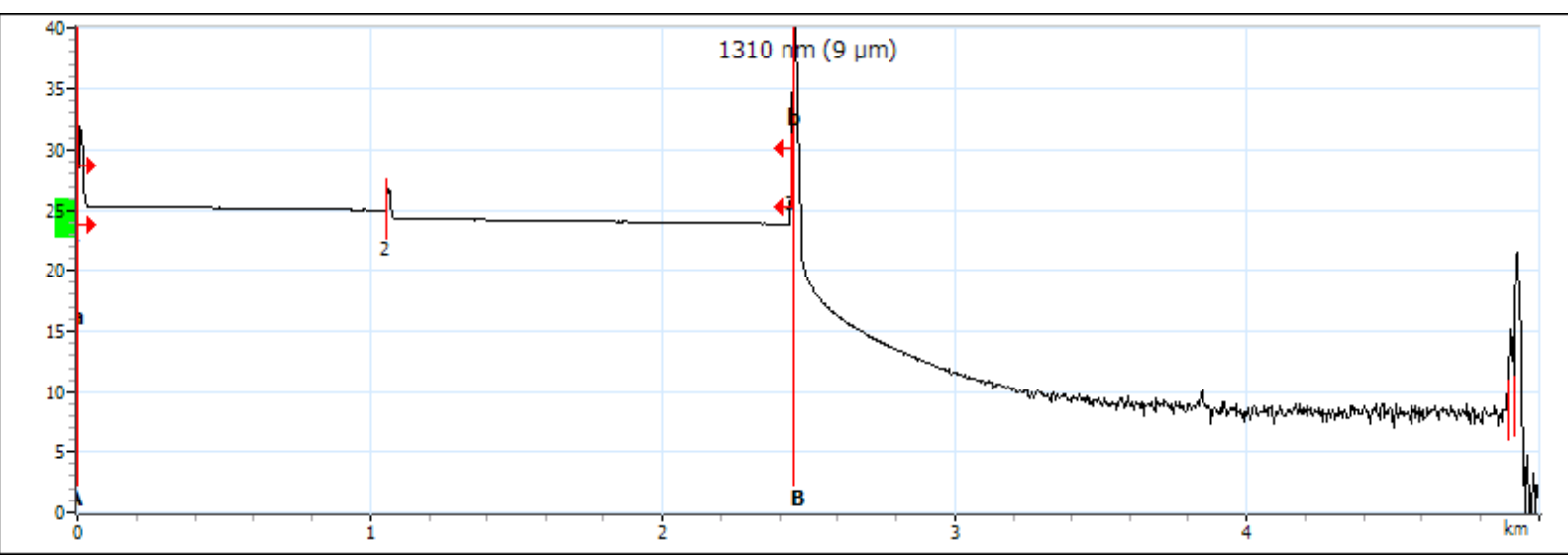
## Locations

	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:	0.614 dB/km	Injection level:	25.3 dB
Span loss:	1.500 dB	Average splice loss:	---		
Span ORL:	37.16 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.790 dB/km	A-B average loss:	-6.766 dB/km
a	0.0000	25.360	A-B LSA loss:	1.936 dB	4-point Event Loss:	-17.437 dB
A	0.0000	25.360	A-B ORL:	<32.18 dB	Maximum reflectance:	> -26.3 dB
B	2.4505	41.939				
b	2.4505	41.939				

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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	0.373		0.353	0.373
Reflective	2	1.0564	0.658	-57.6		1.031
Section		1.3890	0.469		0.338	1.500
Reflective	3	2.4454	---	> -22.6		1.500
Section		2.4473	---		---	---
Merged Events		4.8927	---	-31.5		---

## 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:	92_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:29 PM	Fiber ID:	92
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

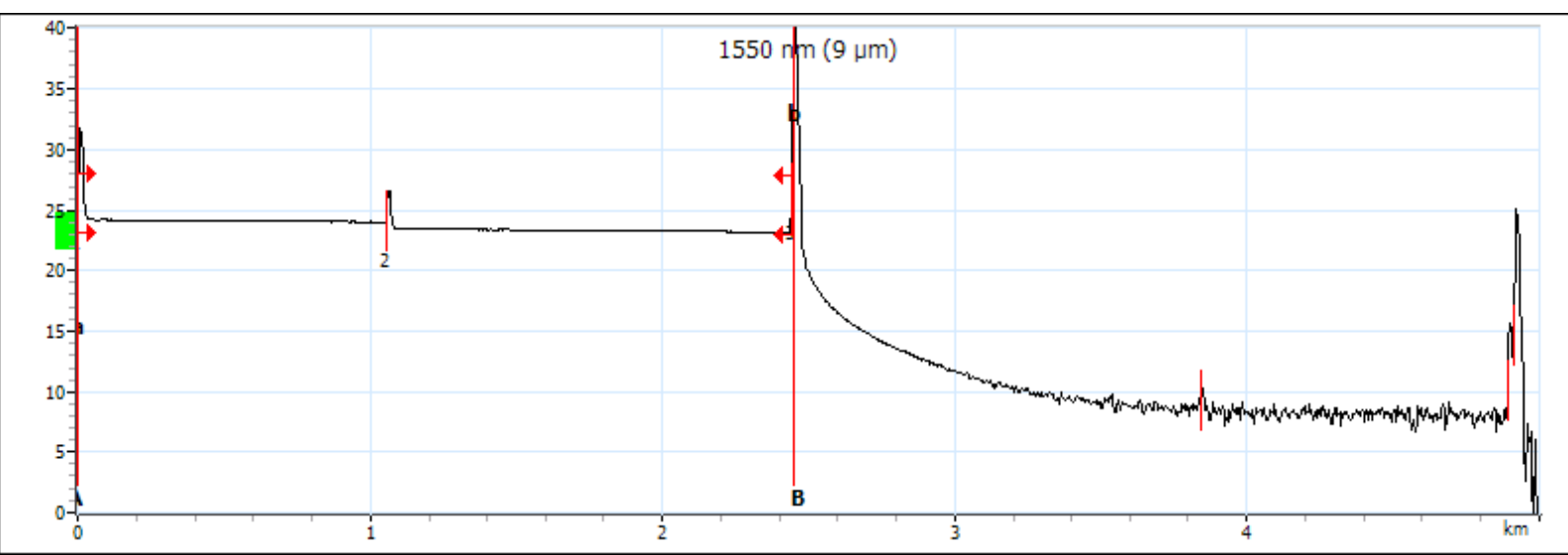
## Locations

	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:	0.425 dB/km	Injection level:	24.2 dB
Span loss:	1.039 dB	Average splice loss:	---		
Span ORL:	39.12 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation: A-B LSA loss: A-B ORL:	0.591 dB/km 1.449 dB <31.58 dB	A-B average loss: 4-point Event Loss: Maximum reflectance:	-7.164 dB/km -18.046 dB > -25.9 dB
a	0.0000	24.620				
A	0.0000	24.620				
B	2.4505	42.176				
b	2.4505	42.176				

# 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	0.209		0.198	0.209
Reflective	2	1.0560	0.550	-57.5		0.760
Section		1.3890	0.279		0.201	1.039
Reflective	3	2.4450	---	> -23.4		1.039
Section		1.3954	---		---	---
Reflective		3.8404	---	-57.7		---
Section		1.0521	---		---	---
Merged Events		4.8925	---	-27.2		---

## 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		