

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	59_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:40 PM	Fiber ID:	59
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

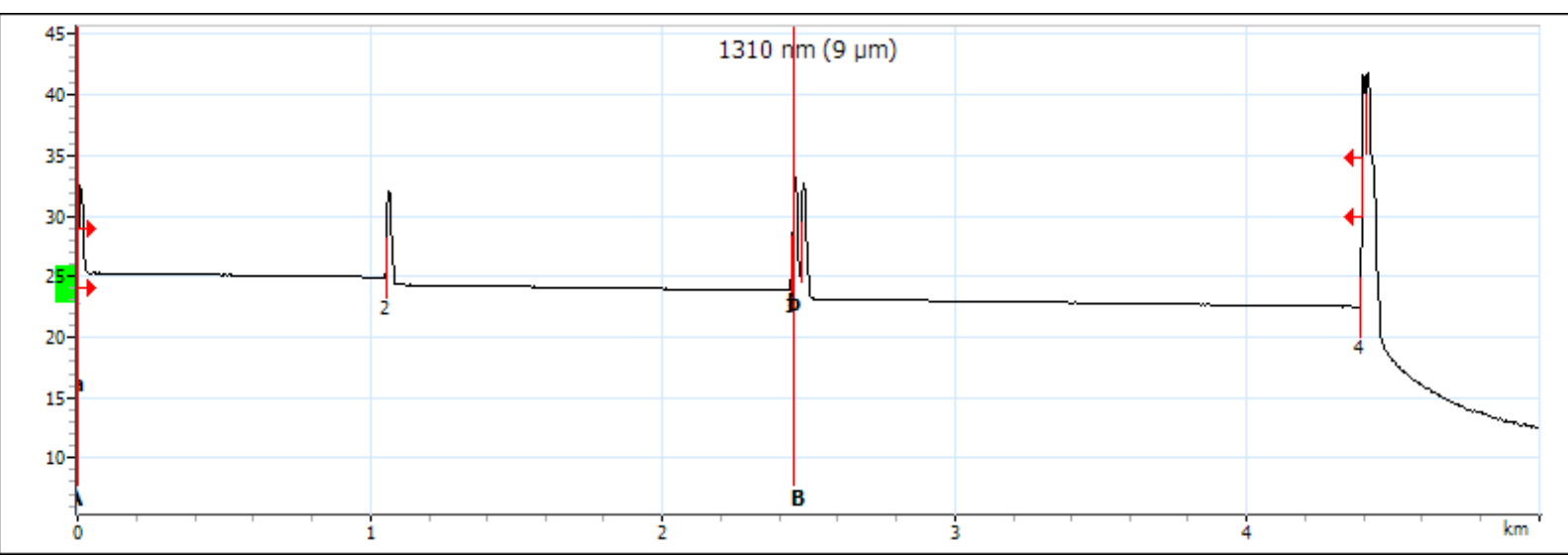
## Locations

	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:	4.3910 km	Average loss:	0.639 dB/km	Injection level:	25.3 dB
Span loss:	2.805 dB	Average splice loss:	---		
Span ORL:	34.05 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.830 dB/km	A-B average loss:	-2.676 dB/km
a	0.0000	25.438	A-B LSA loss:	2.033 dB	4-point Event Loss:	-7.415 dB
A	0.0000	25.438	A-B ORL:	35.72 dB	Maximum reflectance:	-44.6 dB
B	2.4505	31.995				
b	2.4505	31.995				

# 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	---	-44.6		0.000
Section		1.0558	0.367		0.348	0.367
Reflective	2	1.0558	0.606	-44.7		0.973
Section		1.3890	0.490		0.352	1.462
Merged Events	3	2.4447	0.667	-39.5		2.130
Section		1.9462	0.675		0.347	2.805
Merged Events	4	4.3910	---	> -20.5		2.805

## 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:	59_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:40 PM	Fiber ID:	59
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

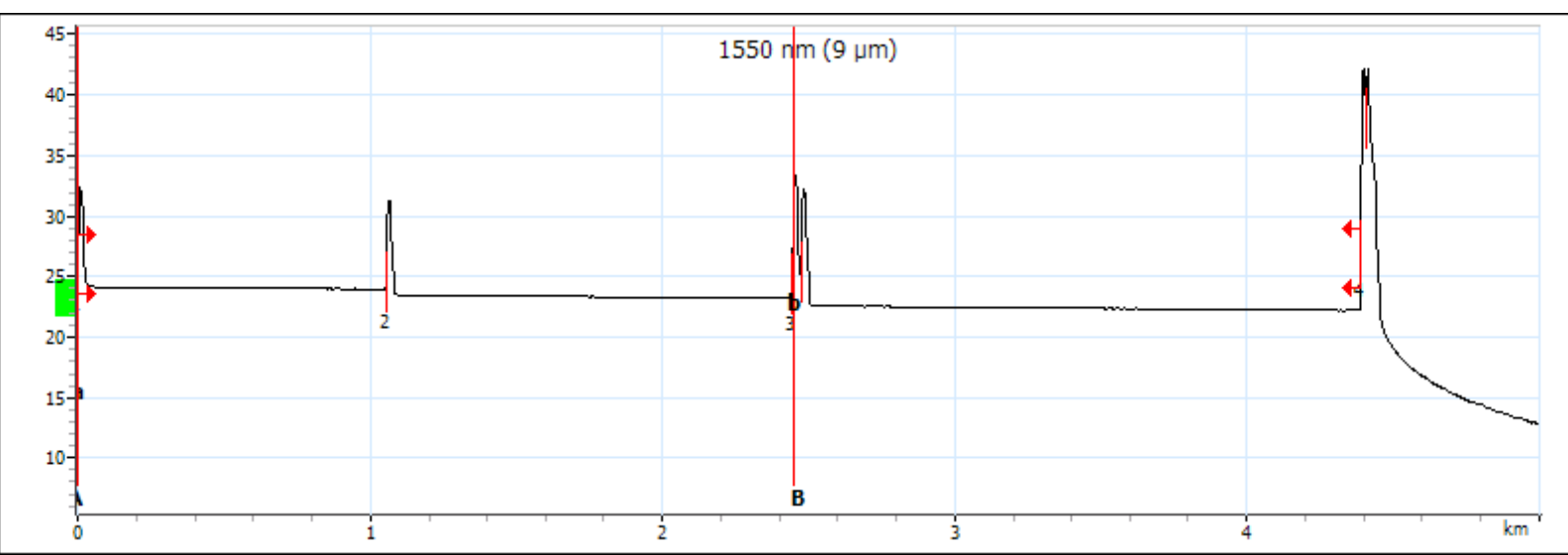
## Locations

	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:	4.3910 km	Average loss:	0.448 dB/km	Injection level:	24.1 dB
Span loss:	1.968 dB	Average splice loss:	---		
Span ORL:	35.37 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.619 dB/km	A-B average loss:	-2.990 dB/km
a	0.0000	24.784	A-B LSA loss:	1.517 dB	4-point Event Loss:	-7.817 dB
A	0.0000	24.784	A-B ORL:	37.30 dB	Maximum reflectance:	-44.8 dB
B	2.4505	32.111				
b	2.4505	32.111				

# 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	0.199		0.188	0.199
Reflective	2	1.0560	0.460	-46.5		0.659
Section		1.3884	0.307		0.221	0.965
Merged Events	3	2.4443	0.598	-40.7		1.564
Section		1.9467	0.404		0.208	1.968
Merged Events	4	4.3910	---	> -21.6		1.968

## 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		