

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	50_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:30 PM	Fiber ID:	50
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

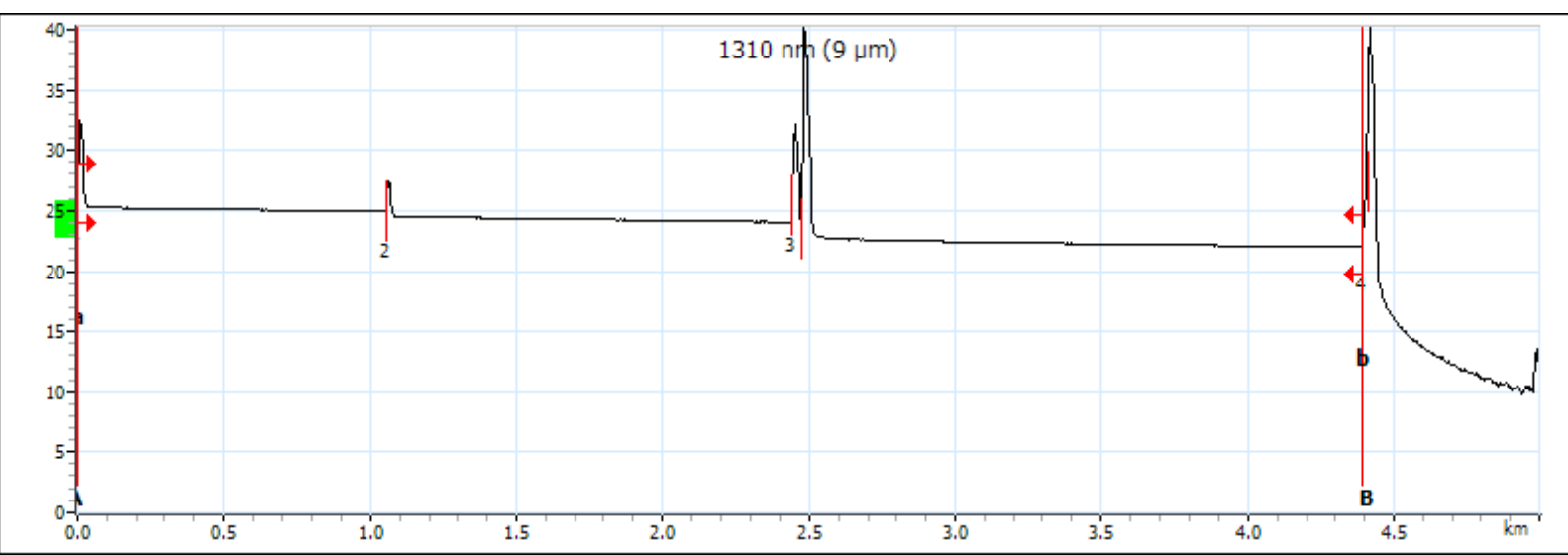
## Locations

	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:	4.3967 km	Average loss:	0.762 dB/km	Injection level:	25.3 dB
Span loss:	3.349 dB	Average splice loss:	---		
Span ORL:	28.05 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.942 dB/km	A-B average loss:	0.792 dB/km
a	0.0000	25.465	A-B LSA loss:	4.137 dB	4-point Event Loss:	1.940 dB
A	0.0000	25.465	A-B ORL:	27.94 dB	Maximum reflectance:	-28.8 dB
B	4.3929	21.987				
b	4.3929	21.987				

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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	---	-44.7		0.000
Section		1.0558	0.363		0.344	0.363
Reflective	2	1.0558	0.392	-55.4		0.755
Section		1.3890	0.482		0.347	1.236
Merged Events	3	2.4447	1.378	-26.3		2.614
Section		1.9520	0.735		0.376	3.349
Merged Events	4	4.3967	---	> -19.9		3.349

## 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:	50_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:31 PM	Fiber ID:	50
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

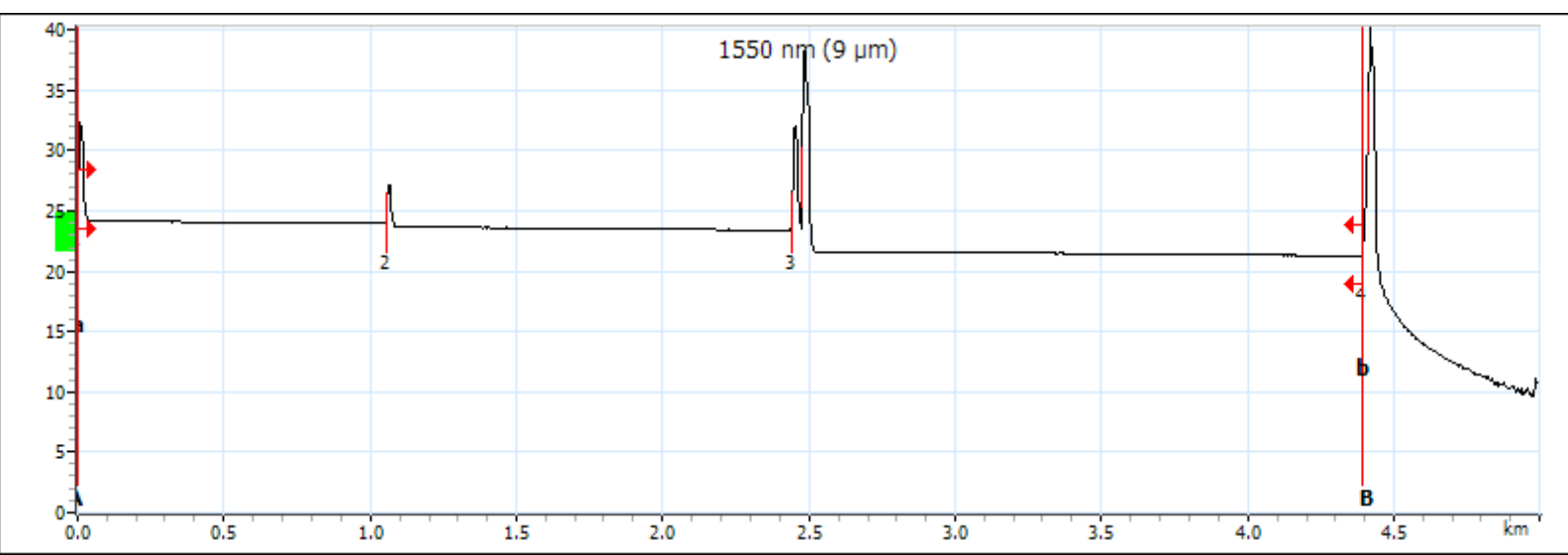
## Locations

	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:	4.3955 km	Average loss:	0.660 dB/km	Injection level:	24.2 dB
Span loss:	2.902 dB	Average splice loss:	---		
Span ORL:	31.47 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.888 dB/km	A-B average loss:	0.798 dB/km
a	0.0000	24.766	A-B LSA loss:	3.900 dB	4-point Event Loss:	2.628 dB
A	0.0000	24.766	A-B ORL:	31.26 dB	Maximum reflectance:	-33.1 dB
B	4.3929	21.259				
b	4.3929	21.259				

# 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	---	-45.0		0.000
Section		1.0560	0.200		0.190	0.200
Reflective	2	1.0560	0.277	-56.0		0.478
Section		1.3884	0.302		0.218	0.780
Merged Events	3	2.4443	1.715	-31.5		2.495
Section		1.9511	0.407		0.208	2.902
Merged Events	4	4.3955	---	> -20.5		2.902

## 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		