

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	69_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:52 PM	Fiber ID:	69
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

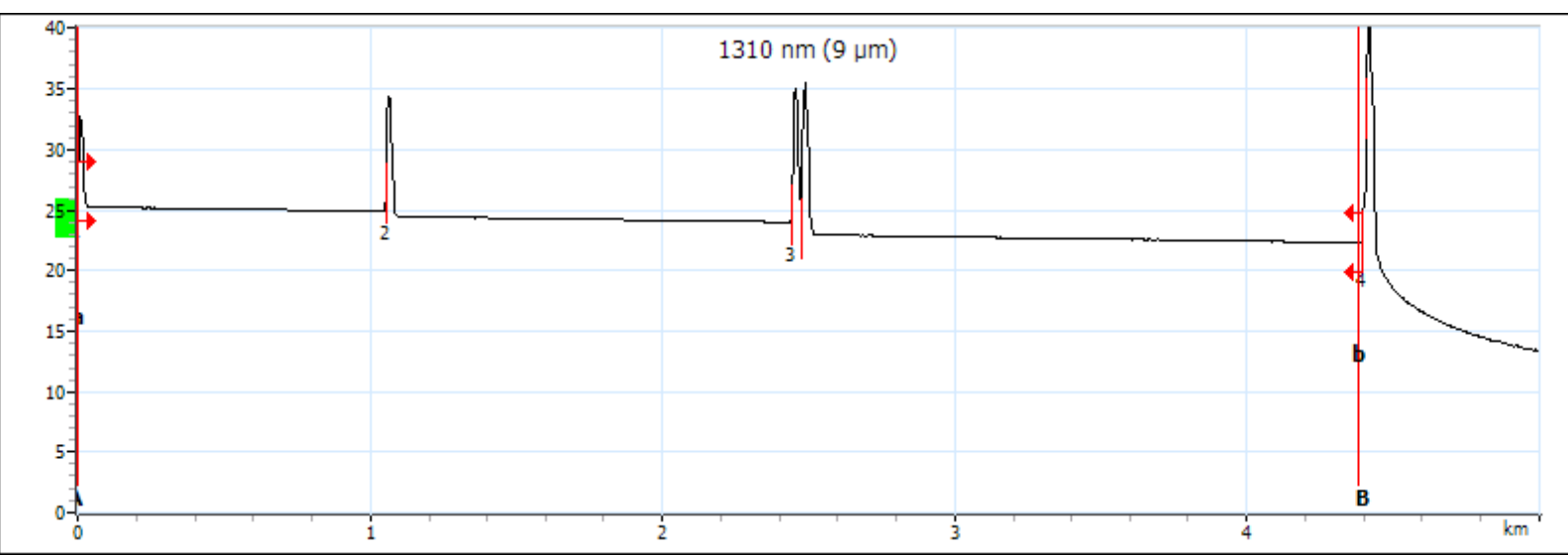
## Locations

	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:	4.3935 km	Average loss:	0.670 dB/km	Injection level:	25.3 dB
Span loss:	2.946 dB	Average splice loss:	---		
Span ORL:	32.00 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.843 dB/km	A-B average loss:	0.717 dB/km
a	0.0000	25.459	A-B LSA loss:	3.696 dB	4-point Event Loss:	1.608 dB
A	0.0000	25.459	A-B ORL:	31.70 dB	Maximum reflectance:	-38.6 dB
B	4.3846	22.316				
b	4.3846	22.316				

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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	---	-44.1		0.000
Section		1.0551	0.359		0.340	0.359
Reflective	2	1.0551	0.415	-39.8		0.774
Section		1.3909	0.482		0.346	1.256
Merged Events	3	2.4460	1.019	-36.0		2.276
Section		1.9475	0.670		0.344	2.946
Merged Events	4	4.3935	---	> -19.1		2.946

## 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:	69_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:52 PM	Fiber ID:	69
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

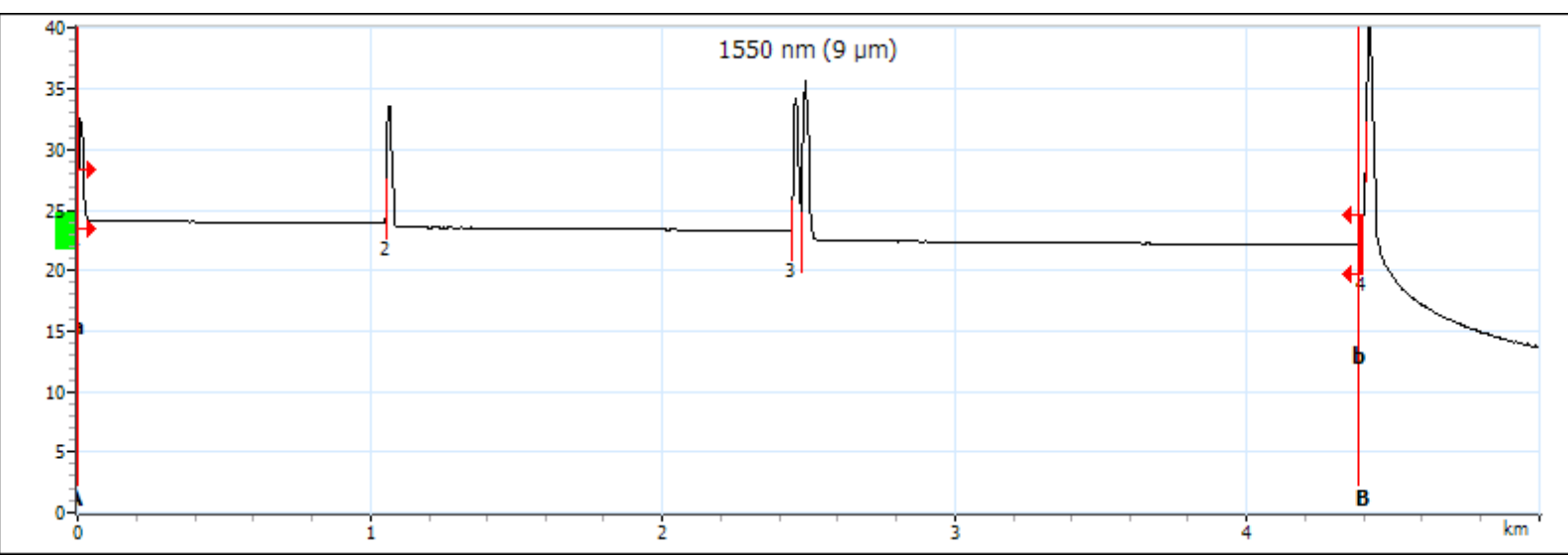
## Locations

	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:	4.3923 km	Average loss:	0.459 dB/km	Injection level:	24.1 dB
Span loss:	2.016 dB	Average splice loss:	---		
Span ORL:	33.14 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.614 dB/km	A-B average loss:	0.580 dB/km
a	0.0000	24.633	A-B LSA loss:	2.691 dB	4-point Event Loss:	1.665 dB
A	0.0000	24.633	A-B ORL:	32.79 dB	Maximum reflectance:	-38.4 dB
B	4.3846	22.091				
b	4.3846	22.091				

# 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	---	-44.4		0.000
Section		1.0553	0.198		0.187	0.198
Reflective	2	1.0553	0.318	-41.9		0.516
Section		1.3909	0.304		0.218	0.820
Merged Events	3	2.4462	0.788	-36.7		1.607
Section		1.9460	0.409		0.210	2.016
Merged Events	4	4.3923	---	> -20.6		2.016

## 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		