

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	68_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:51 PM	Fiber ID:	68
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

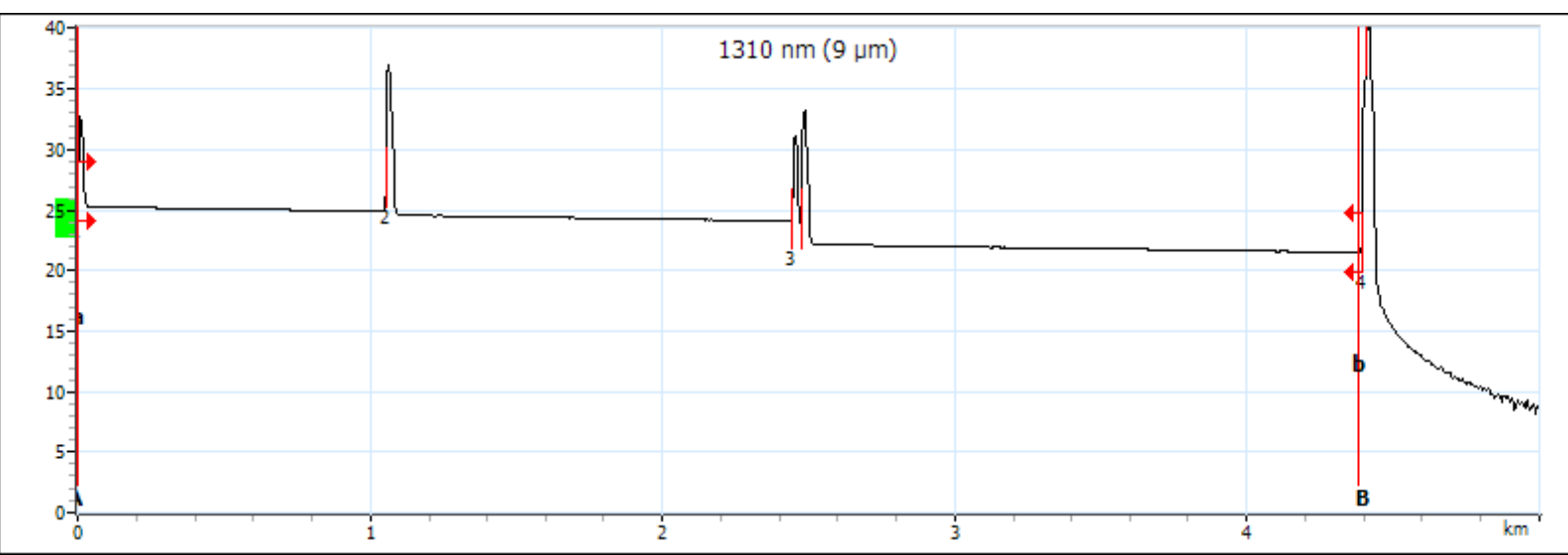
## Locations

	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:	4.3922 km	Average loss:	0.858 dB/km	Injection level:	25.3 dB
Span loss:	3.769 dB	Average splice loss:	---		
Span ORL:	31.89 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	1.145 dB/km	A-B average loss:	0.904 dB/km
a	0.0000	25.460	A-B LSA loss:	5.021 dB	4-point Event Loss:	2.427 dB
A	0.0000	25.460	A-B ORL:	31.60 dB	Maximum reflectance:	-35.6 dB
B	4.3846	21.498				
b	4.3846	21.498				

# 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	---	-44.1		0.000
Section		1.0551	0.362		0.343	0.362
Reflective	2	1.0551	0.313	-34.9		0.675
Section		1.3915	0.491		0.353	1.166
Merged Events	3	2.4467	1.929	-40.6		3.095
Section		1.9456	0.673		0.346	3.769
Merged Events	4	4.3922	---	> -19.8		3.769

## 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:	68_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:51 PM	Fiber ID:	68
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

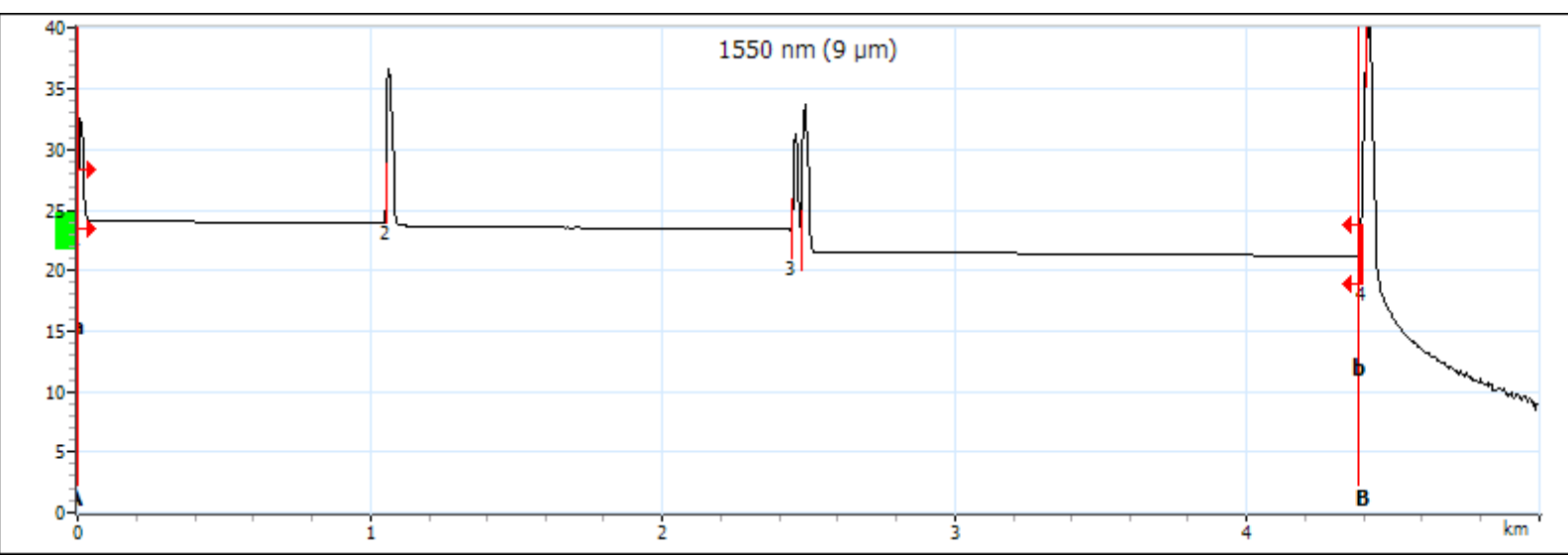
## Locations

	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:	0.666 dB/km	Injection level:	24.1 dB
Span loss:	2.923 dB	Average splice loss:	---		
Span ORL:	32.84 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.947 dB/km	A-B average loss:	0.778 dB/km
a	0.0000	24.604	A-B LSA loss:	4.152 dB	4-point Event Loss:	2.534 dB
A	0.0000	24.604	A-B ORL:	32.51 dB	Maximum reflectance:	-36.5 dB
B	4.3846	21.193				
b	4.3846	21.193				

# 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	0.199		0.188	0.199
Reflective	2	1.0553	0.224	-36.1		0.423
Section		1.3909	0.310		0.223	0.733
Merged Events	3	2.4462	1.792	-40.9		2.524
Section		1.9460	0.399		0.205	2.923
Merged Events	4	4.3923	---	> -20.8		2.923

## 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		