

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	62_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:42 PM	Fiber ID:	62
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

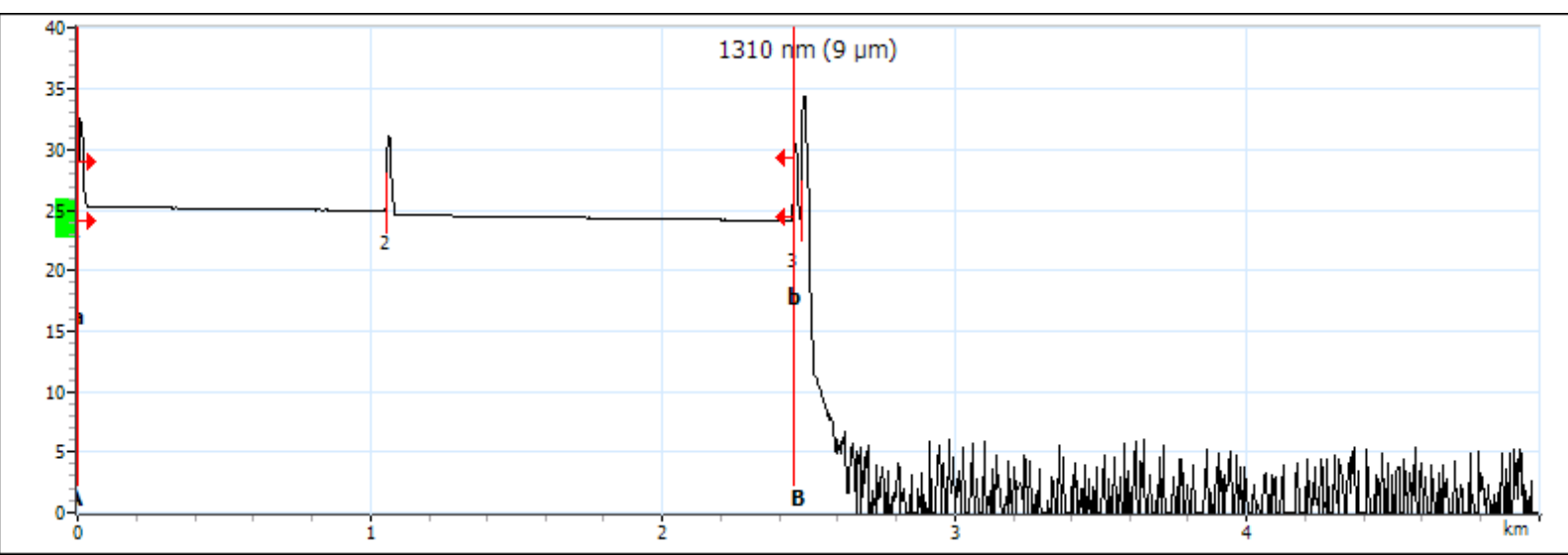
## Locations

	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:	2.4473 km	Average loss:	0.481 dB/km	Injection level:	25.3 dB
Span loss:	1.177 dB	Average splice loss:	---		
Span ORL:	36.49 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.678 dB/km	A-B average loss:	-0.655 dB/km
a	0.0000	25.434	A-B LSA loss:	1.662 dB	4-point Event Loss:	-2.462 dB
A	0.0000	25.434	A-B ORL:	35.75 dB	Maximum reflectance:	-44.5 dB
B	2.4505	27.038				
b	2.4505	27.038				

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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	---	-44.5		0.000
Section		1.0558	0.366		0.346	0.366
Reflective	2	1.0558	0.328	-46.7		0.694
Section		1.3915	0.484		0.348	1.177
Merged Events	3	2.4473	---	-38.1		1.177

## 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:	62_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:43 PM	Fiber ID:	62
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

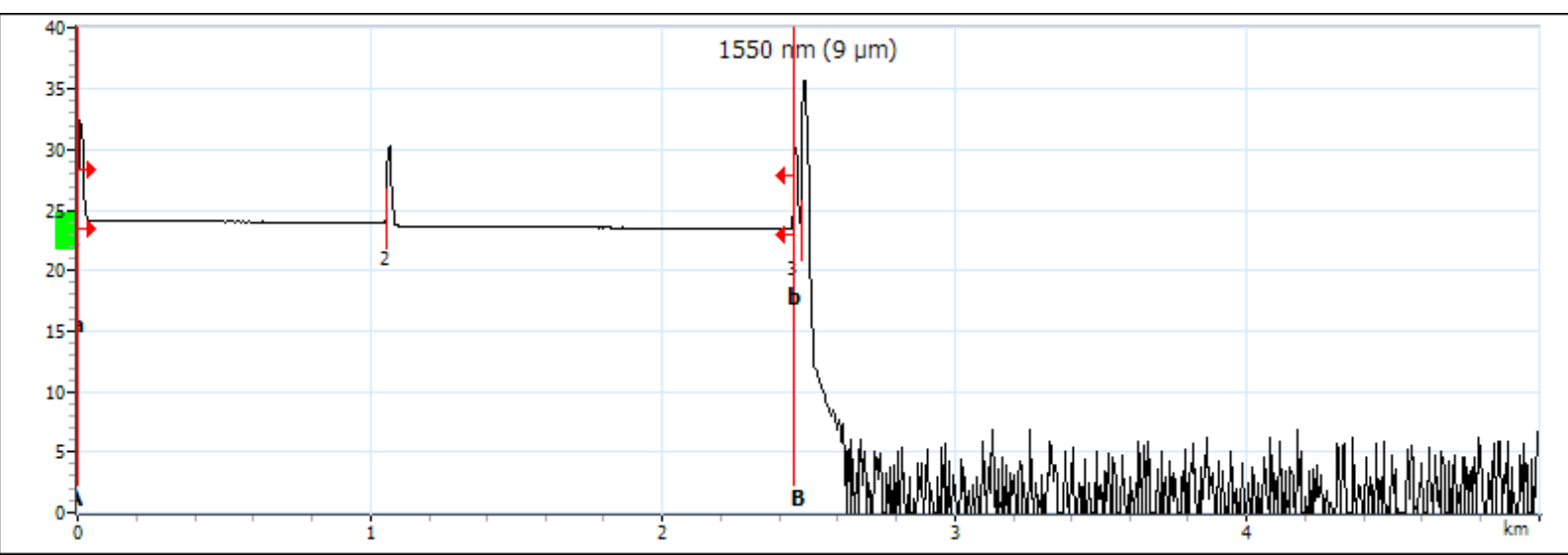
## Locations

	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:	2.4469 km	Average loss:	0.299 dB/km	Injection level:	24.1 dB
Span loss:	0.733 dB	Average splice loss:	---		
Span ORL:	38.45 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.502 dB/km	A-B average loss:	-0.931 dB/km
a	0.0000	24.716	A-B LSA loss:	1.230 dB	4-point Event Loss:	-2.772 dB
A	0.0000	24.716	A-B ORL:	37.42 dB	Maximum reflectance:	-44.8 dB
B	2.4505	26.998				
b	2.4505	26.998				

# 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	0.201		0.191	0.201
Reflective	2	1.0560	0.230	-48.7		0.431
Section		1.3909	0.302		0.217	0.733
Merged Events	3	2.4469	---	-36.7		0.733

## 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		