

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	81_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:55 PM	Fiber ID:	81
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

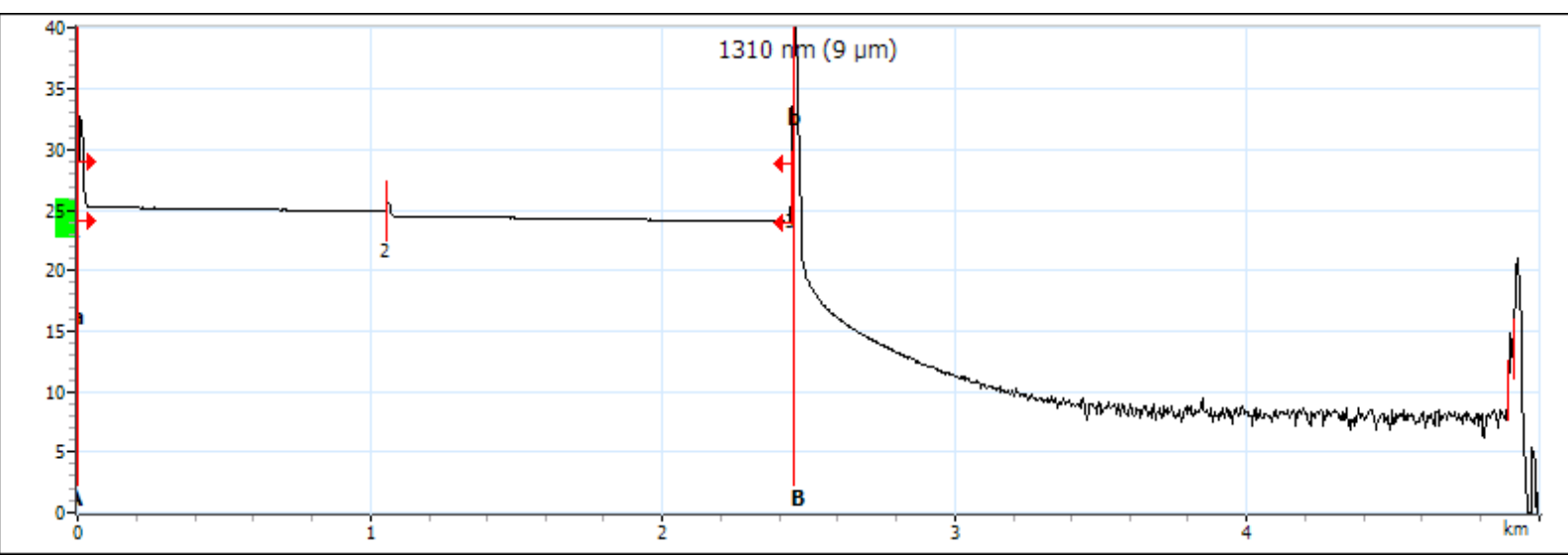
## Locations

	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:	2.4460 km	Average loss:	0.501 dB/km	Injection level:	25.3 dB
Span loss:	1.224 dB	Average splice loss:	---		
Span ORL:	36.92 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.655 dB/km	A-B average loss:	-6.670 dB/km
a	0.0000	25.456	A-B LSA loss:	1.605 dB	4-point Event Loss:	-17.203 dB
A	0.0000	25.456	A-B ORL:	<33.00 dB	Maximum reflectance:	> -26.6 dB
B	2.4505	41.802				
b	2.4505	41.802				

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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	---	-44.2		0.000
Section		1.0570	0.361		0.341	0.361
Reflective	2	1.0570	0.384	-62.8		0.745
Section		1.3890	0.480		0.345	1.224
Reflective	3	2.4460	---	> -23.0		1.224
Section		2.4486	---		---	---
Merged Events		4.8946	---	-32.1		---

## 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:	81_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:55 PM	Fiber ID:	81
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

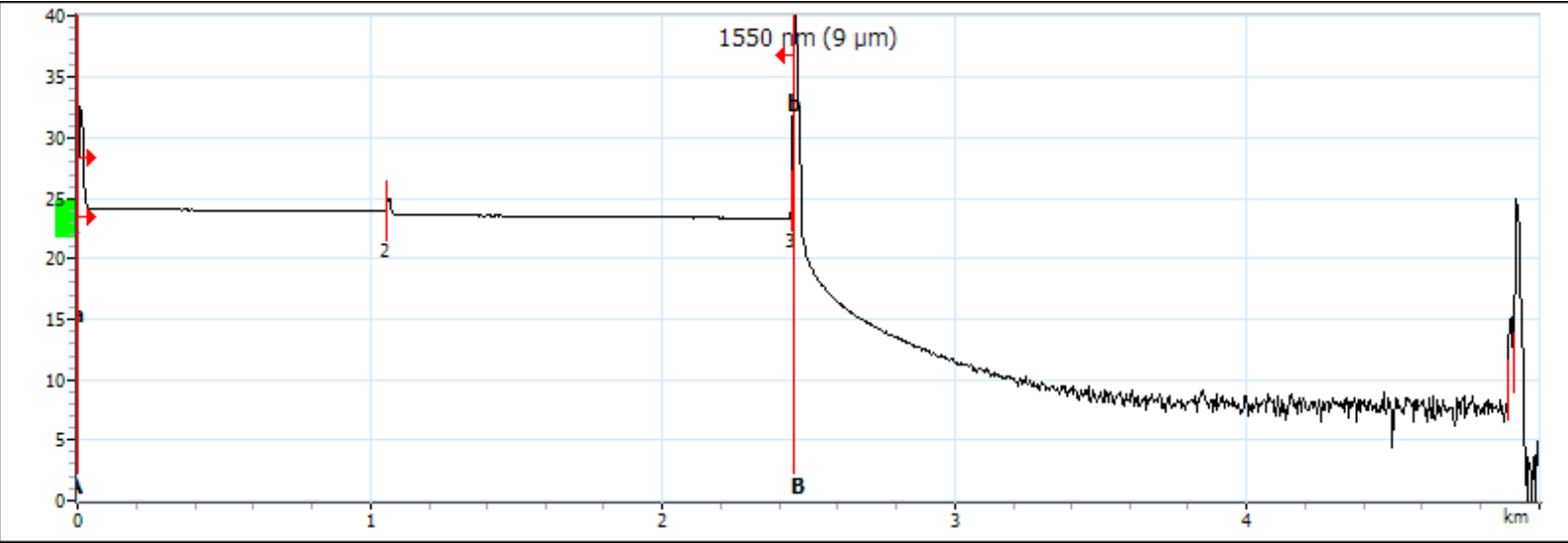
## Locations

	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:	2.4456 km	Average loss:	0.319 dB/km	Injection level:	24.1 dB
Span loss:	0.781 dB	Average splice loss:	---		
Span ORL:	38.90 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.465 dB/km	A-B average loss:	-7.102 dB/km
a	0.0000	24.673	A-B LSA loss:	1.140 dB	4-point Event Loss:	-17.893 dB
A	0.0000	24.673	A-B ORL:	<32.39 dB	Maximum reflectance:	> -26.0 dB
B	2.4505	42.076				
b	2.4505	42.076				

# 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	---	-44.5		0.000
Section		1.0572	0.201		0.190	0.201
Reflective	2	1.0572	0.281	-63.0		0.482
Section		1.3884	0.299		0.215	0.781
Reflective	3	2.4456	---	> -23.7		0.781
Section		2.4488	---		---	---
Merged Events		4.8944	---	-26.3		---

## 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		