

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	88_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:24 PM	Fiber ID:	88
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

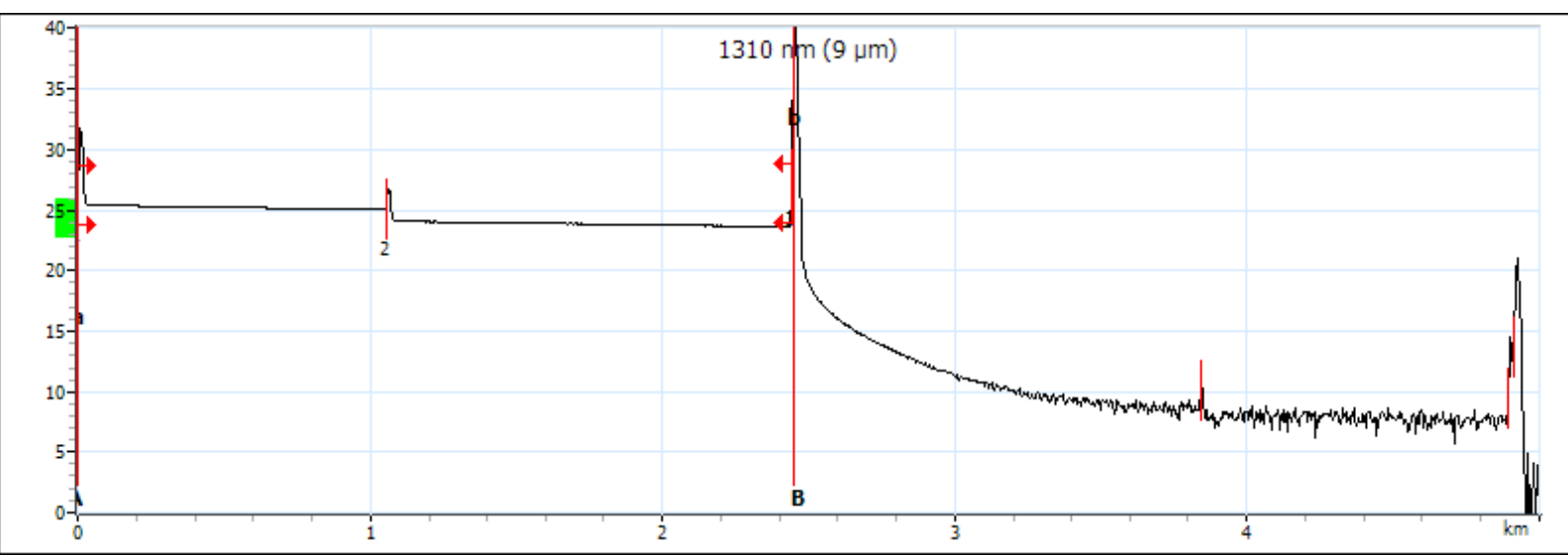
## Locations

	Location A	Location B
Location	FAR0	FAR3
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:	0.734 dB/km	Injection level:	25.4 dB
Span loss:	1.794 dB	Average splice loss:	---		
Span ORL:	37.40 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.967 dB/km	A-B average loss:	-6.678 dB/km
a	0.0000	25.433	A-B LSA loss:	2.370 dB	4-point Event Loss:	-17.223 dB
A	0.0000	25.433	A-B ORL:	<32.74 dB	Maximum reflectance:	> -26.8 dB
B	2.4505	41.798				
b	2.4505	41.798				

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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	---	-46.3		0.000
Section		1.0564	0.374		0.354	0.374
Reflective	2	1.0564	0.943	-57.9		1.317
Section		1.3896	0.477		0.343	1.794
Reflective	3	2.4460	---	> -22.3		1.794
Section		1.3979	---		---	---
Reflective		3.8439	---	-58.0		---
Section		1.0507	---		---	---
Merged Events		4.8946	---	-32.2		---

## 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:	88_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:25 PM	Fiber ID:	88
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

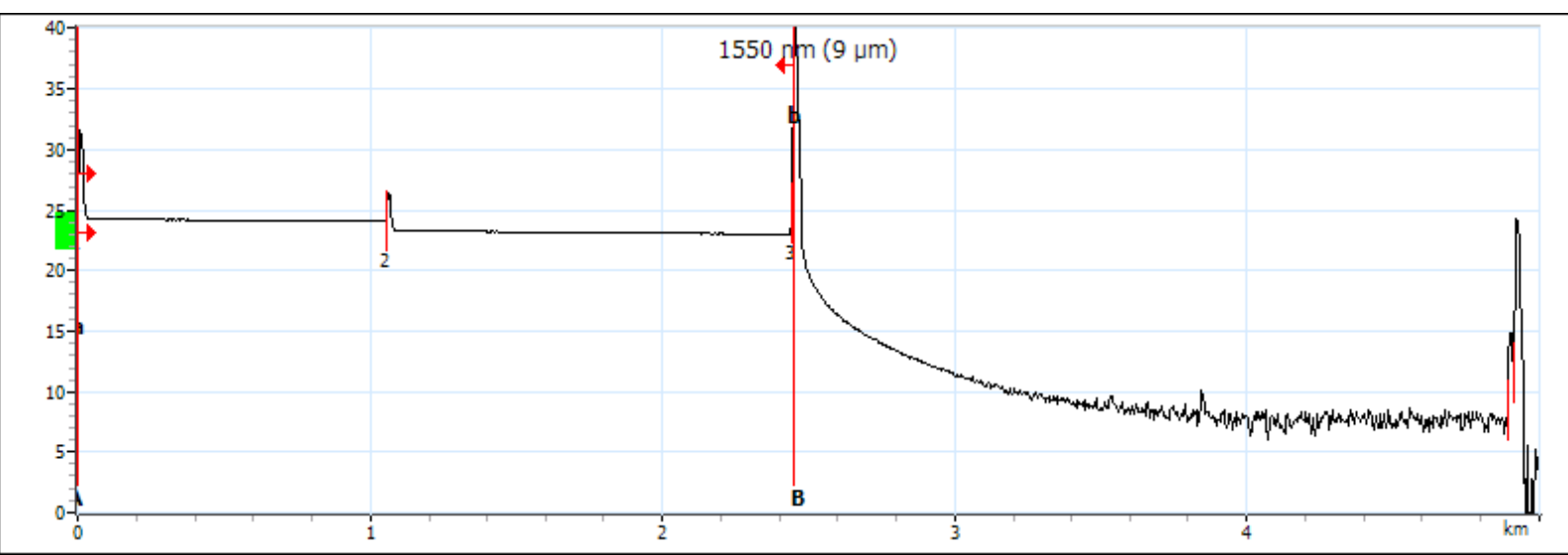
## Locations

	Location A	Location B
Location	FAR0	FAR3
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:	0.520 dB/km	Injection level:	24.3 dB
Span loss:	1.272 dB	Average splice loss:	---		
Span ORL:	39.34 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.734 dB/km	A-B average loss:	-7.156 dB/km
a	0.0000	24.538	A-B LSA loss:	1.798 dB	4-point Event Loss:	-18.025 dB
A	0.0000	24.538	A-B ORL:	<32.78 dB	Maximum reflectance:	> -26.3 dB
B	2.4505	42.073				
b	2.4505	42.073				

# 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	---	-46.7		0.000
Section		1.0560	0.211		0.200	0.211
Reflective	2	1.0560	0.762	-58.5		0.973
Section		1.3897	0.298		0.215	1.272
Reflective	3	2.4456	---	> -23.1		1.272
Section		2.4488	---		---	---
Merged Events		4.8944	---	-26.5		---

## 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		