

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	93_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:02 PM	Fiber ID:	93
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

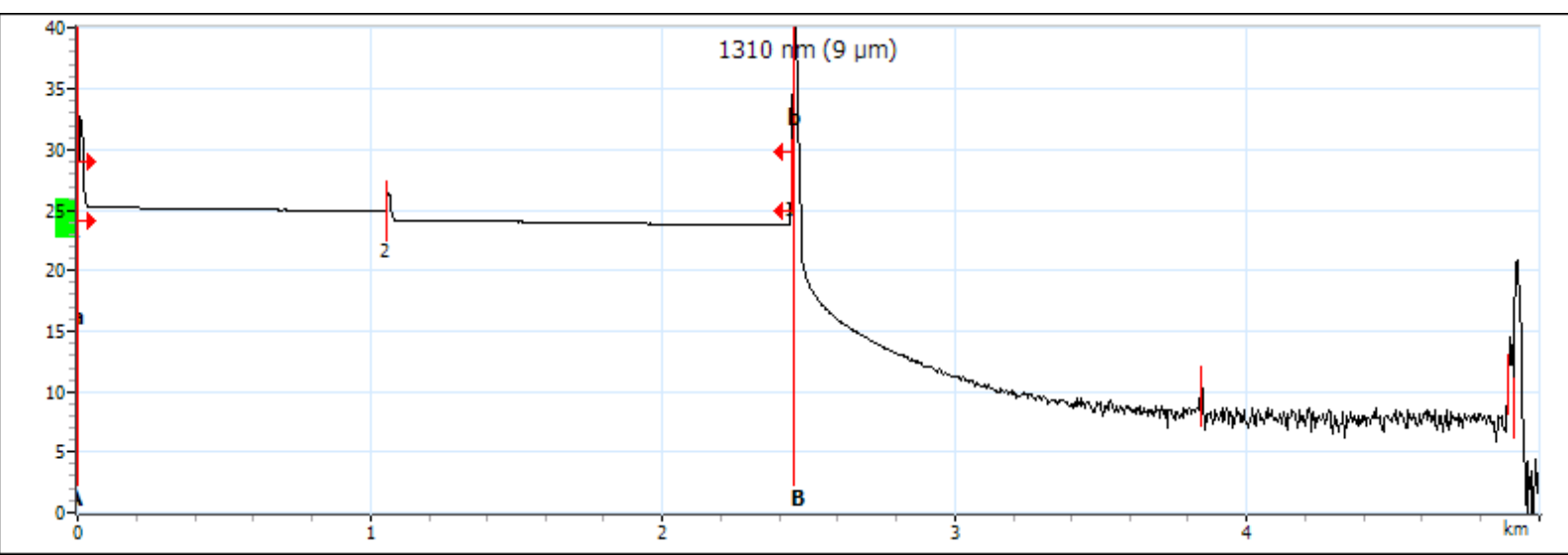
## Locations

	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:	2.4454 km	Average loss:	0.629 dB/km	Injection level:	25.2 dB
Span loss:	1.538 dB	Average splice loss:	---		
Span ORL:	37.19 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.834 dB/km	A-B average loss:	-6.719 dB/km
a	0.0000	25.451	A-B LSA loss:	2.043 dB	4-point Event Loss:	-17.322 dB
A	0.0000	25.451	A-B ORL:	<31.96 dB	Maximum reflectance:	> -26.2 dB
B	2.4505	41.915				
b	2.4505	41.915				

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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		1.0564	0.362		0.343	0.362
Reflective	2	1.0564	0.697	-58.6		1.060
Section		1.3890	0.478		0.344	1.538
Reflective	3	2.4454	---	> -22.5		1.538
Section		1.3966	---		---	---
Reflective		3.8420	---	-56.1		---
Section		1.0513	---		---	---
Merged Events		4.8933	---	-32.4		---

## 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:	93_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:02 PM	Fiber ID:	93
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

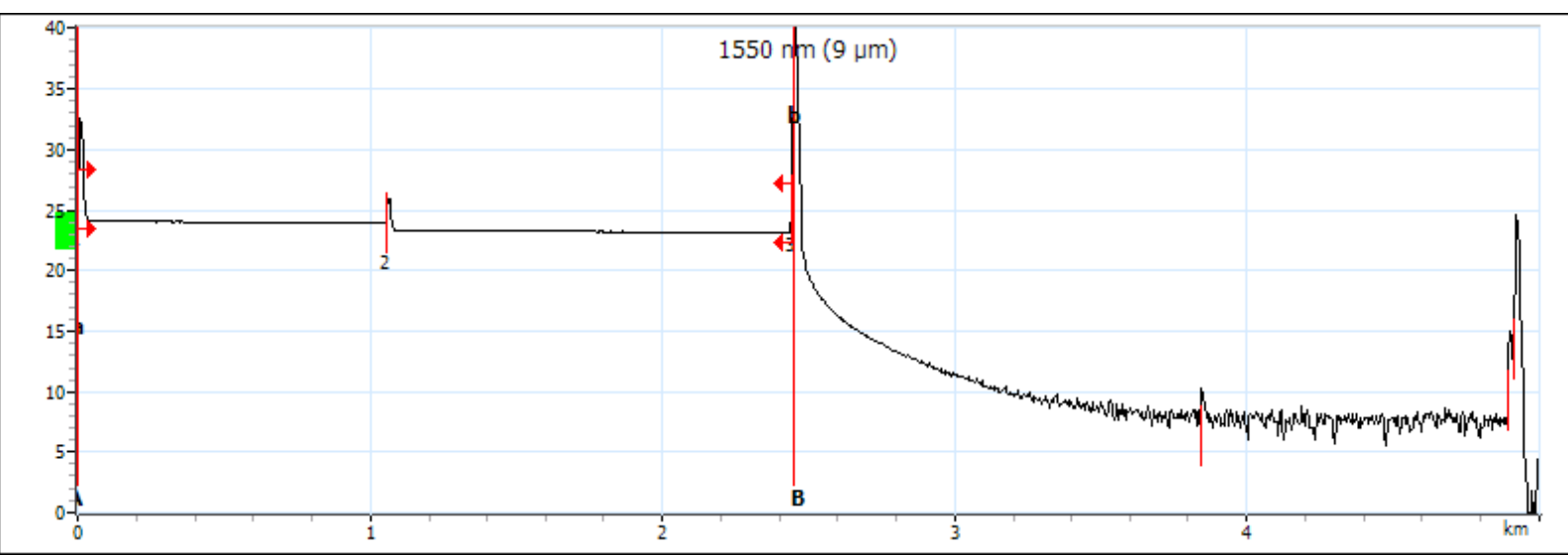
## Locations

	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:	2.4450 km	Average loss:	0.417 dB/km	Injection level:	24.1 dB
Span loss:	1.019 dB	Average splice loss:	---		
Span ORL:	39.11 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.601 dB/km	A-B average loss:	-7.112 dB/km
a	0.0000	24.663	A-B LSA loss:	1.473 dB	4-point Event Loss:	-17.918 dB
A	0.0000	24.663	A-B ORL:	<31.60 dB	Maximum reflectance:	> -25.9 dB
B	2.4505	42.091				
b	2.4505	42.091				

# 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	---	-44.5		0.000
Section		1.0566	0.202		0.191	0.202
Reflective	2	1.0566	0.519	-59.1		0.721
Section		1.3884	0.298		0.214	1.019
Reflective	3	2.4450	---	> -23.3		1.019
Section		1.3954	---		---	---
Reflective		3.8404	---	-57.7		---
Section		1.0528	---		---	---
Merged Events		4.8931	---	-27.4		---

## 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		