

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	18_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:54 PM	Fiber ID:	18
Cable ID:	FAR5 to SS6A (C) A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

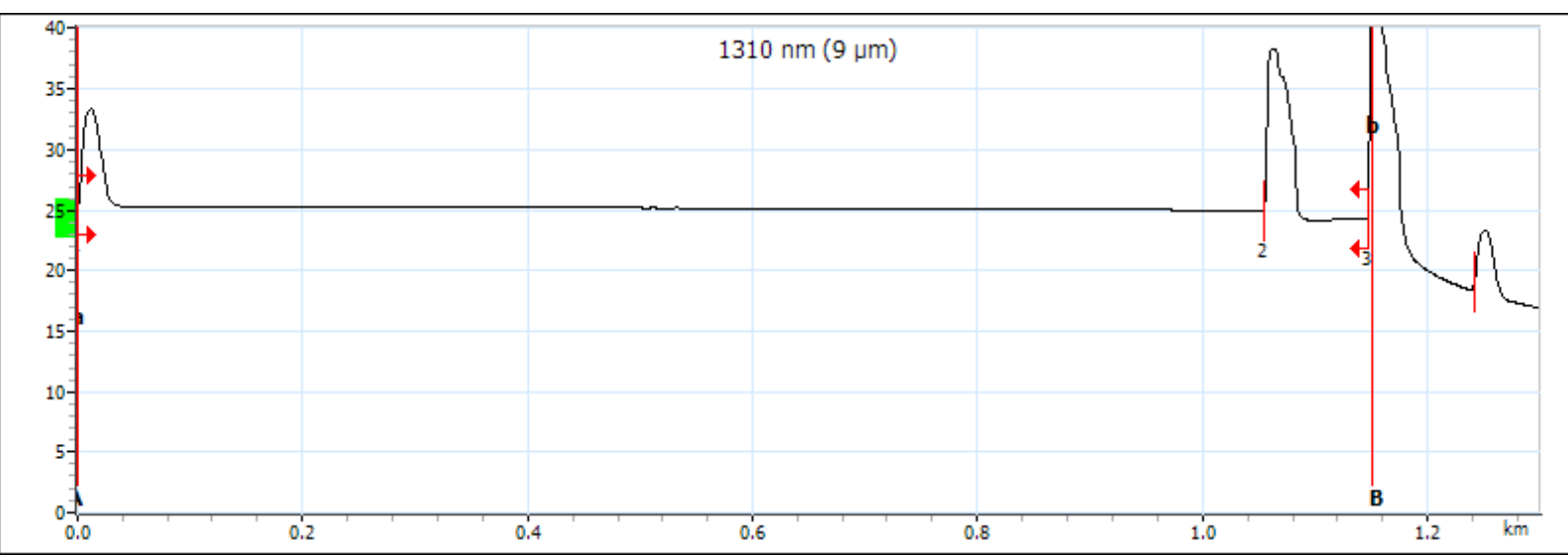
## Locations

	Location A	Location B
Location	FAR5	SS6A
Operator	PANDA	HABEEB
Model	MAX-720C-Q1-EA-EI	
Serial number	1206159	
Calibration date	29-Mar-23 (UTC)	

## Results

Span length:	1.1474 km	Average loss:	1.004 dB/km	Injection level:	25.3 dB
Span loss:	1.152 dB	Average splice loss:	---		
Span ORL:	32.12 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.012 dB/km	A-B average loss:	-13.814 dB/km
a	0.0000	25.399	A-B LSA loss:	0.014 dB	4-point Event Loss:	-16.292 dB
A	0.0000	25.399	A-B ORL:	31.71 dB	Maximum reflectance:	-33.3 dB
B	1.1502	41.289				
b	1.1502	41.289				

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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	---	-43.3		0.000
Section		1.0554	0.362		0.343	0.362
Reflective	2	1.0554	0.790	-32.5		1.152
Section		0.0919	0.000		0.000	1.152
Reflective	3	1.1474	---	> -23.1		1.152
Section		0.0945	---		---	---
Echo		1.2418	---	-51.4		---

## 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)	1.3000
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:	18_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:54 PM	Fiber ID:	18
Cable ID:	FAR5 to SS6A (C) A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

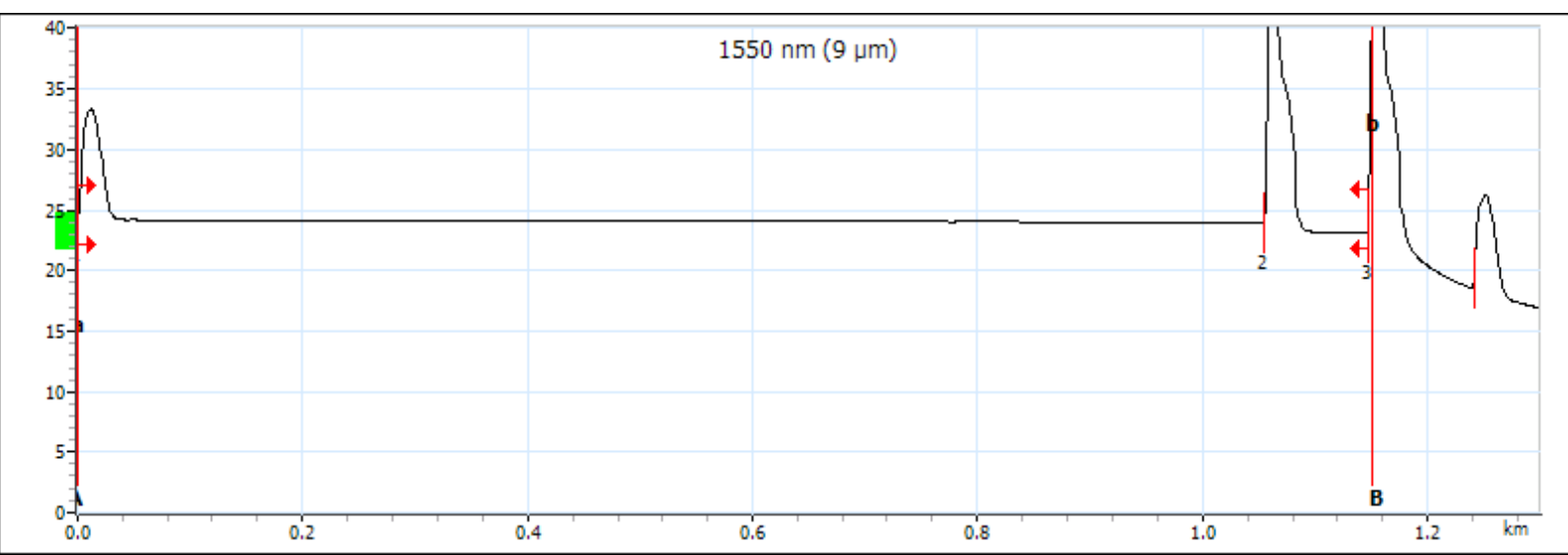
## Locations

	Location A	Location B
Location	FAR5	SS6A
Operator	PANDA	HABEEB
Model	MAX-720C-Q1-EA-EI	
Serial number	1206159	
Calibration date	29-Mar-23 (UTC)	

## Results

Span length:	1.1472 km	Average loss:	0.880 dB/km	Injection level:	24.2 dB
Span loss:	1.010 dB	Average splice loss:	---		
Span ORL:	<28.73 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	-0.285 dB/km	A-B average loss:	-14.531 dB/km
a	0.0000	24.705	A-B LSA loss:	0.000 dB	4-point Event Loss:	-16.944 dB
A	0.0000	24.705	A-B ORL:	<28.39 dB	Maximum reflectance:	> -27.7 dB
B	1.1502	41.419				
b	1.1502	41.419				

# 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	---	-43.4		0.000
Section		1.0553	0.199		0.189	0.199
Reflective	2	1.0553	0.763	> -28.3		0.962
Section		0.0919	0.047		0.515	1.010
Reflective	3	1.1472	---	> -23.3		1.010
Section		0.0941	---		---	---
Echo		1.2413	---	-48.1		---

## 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)	1.3000
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		