

# 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:	4:30 PM	Fiber ID:	18
Cable ID:	FAR5 to SS6A (C) B (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

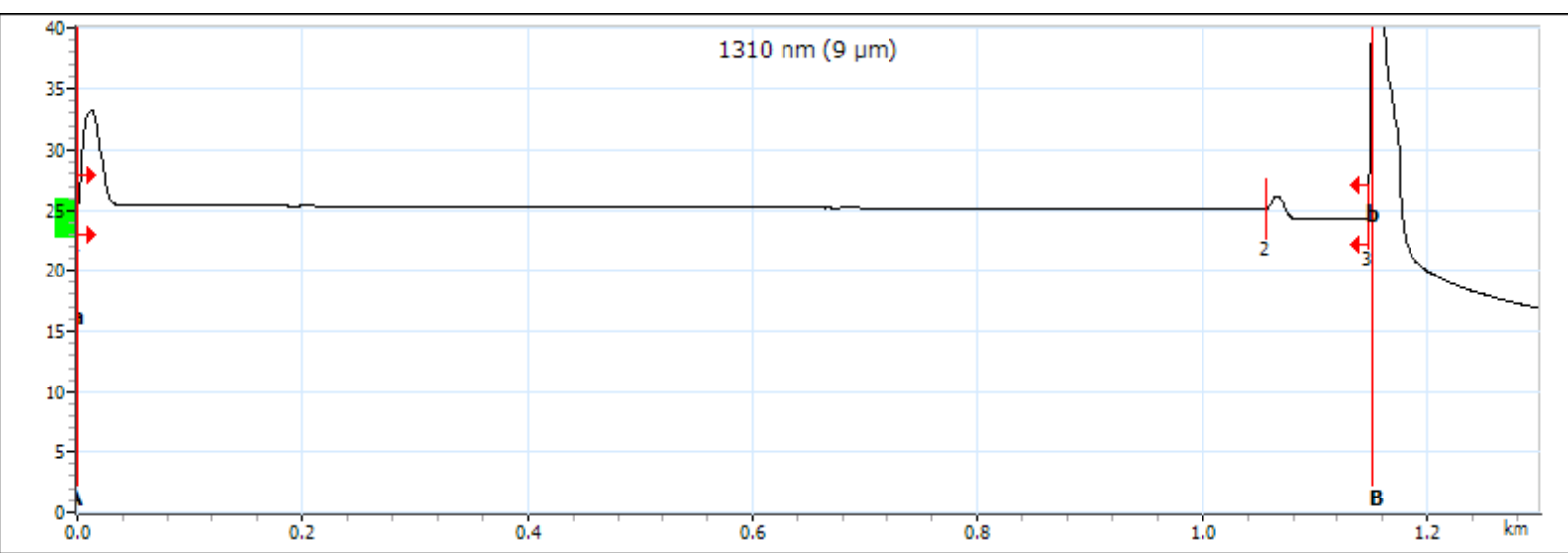
## Locations

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

## Results

Span length:	1.1480 km	Average loss:	1.017 dB/km	Injection level:	25.4 dB
Span loss:	1.168 dB	Average splice loss:	---		
Span ORL:	39.53 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	1.088 dB/km	A-B average loss:	-7.411 dB/km
a	0.0000	25.413	A-B LSA loss:	1.252 dB	4-point Event Loss:	-8.927 dB
A	0.0000	25.413	A-B ORL:	37.83 dB	Maximum reflectance:	-43.5 dB
B	1.1502	33.938				
b	1.1502	33.938				

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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	---	-43.7		0.000
Section		1.0570	0.362		0.342	0.362
Reflective	2	1.0570	0.782	-61.1		1.144
Section		0.0910	0.024		0.268	1.168
Reflective	3	1.1480	---	> -23.2		1.168

## 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:	4:30 PM	Fiber ID:	18
Cable ID:	FAR5 to SS6A (C) B (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

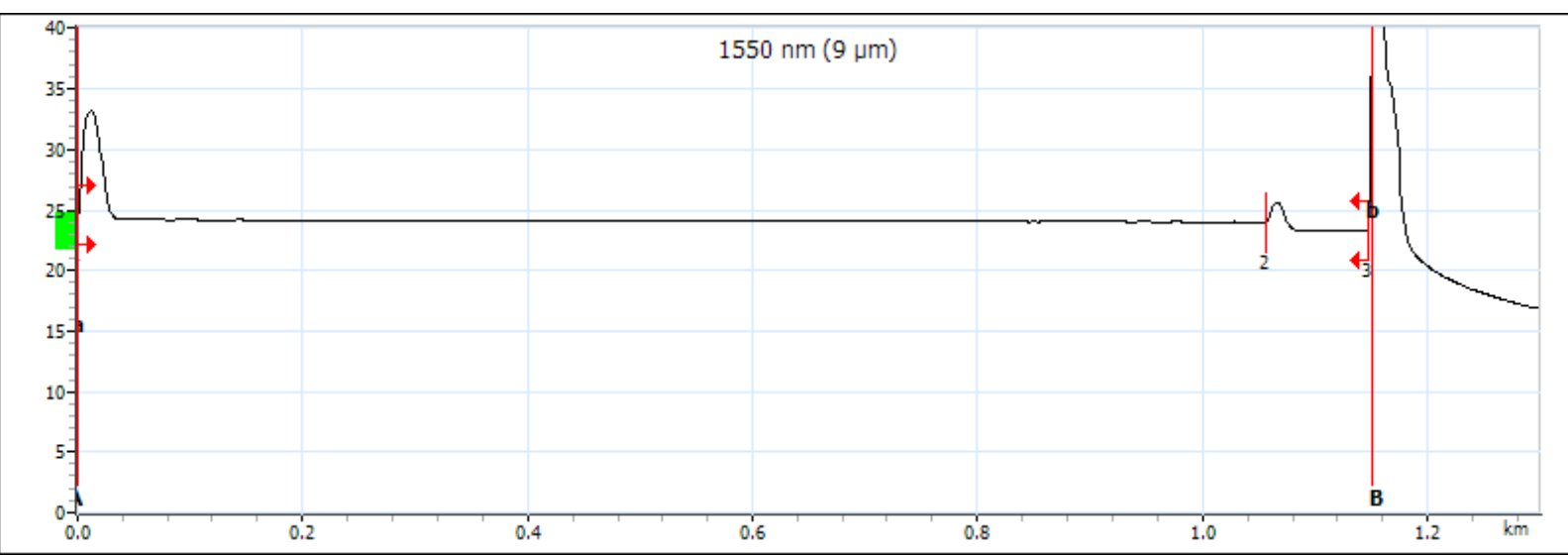
## Locations

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

## Results

Span length:	1.1478 km	Average loss:	0.782 dB/km	Injection level:	24.2 dB
Span loss:	0.898 dB	Average splice loss:	---		
Span ORL:	41.75 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.982 dB/km	A-B average loss:	-8.308 dB/km
a	0.0000	24.688	A-B LSA loss:	1.129 dB	4-point Event Loss:	-9.787 dB
A	0.0000	24.688	A-B ORL:	39.25 dB	Maximum reflectance:	-42.6 dB
B	1.1502	34.244				
b	1.1502	34.244				

# 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	---	-43.7		0.000
Section		1.0569	0.200		0.190	0.200
Reflective	2	1.0569	0.690	-61.3		0.891
Section		0.0909	0.007		0.080	0.898
Reflective	3	1.1478	---	> -23.6		0.898

## 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		