

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	63_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:43 PM	Fiber ID:	63
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

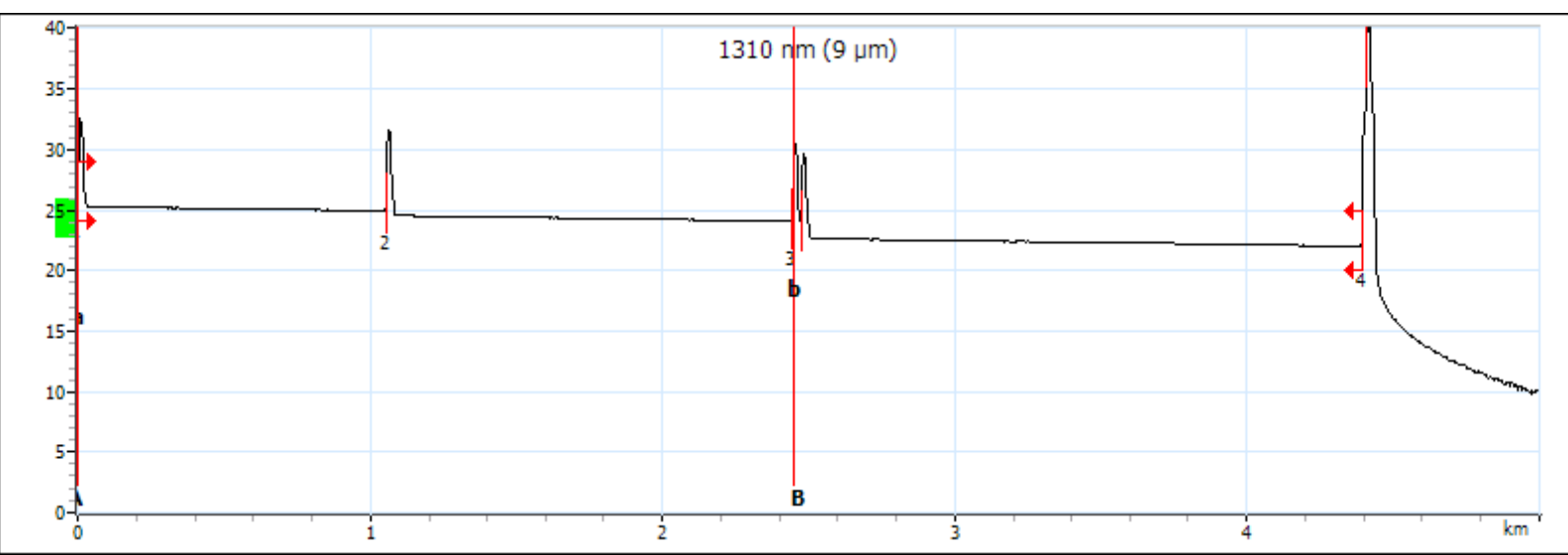
## Locations

	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:	4.3929 km	Average loss:	0.747 dB/km	Injection level:	25.3 dB
Span loss:	3.280 dB	Average splice loss:	---		
Span ORL:	35.13 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.704 dB/km	A-B average loss:	-0.937 dB/km
a	0.0000	25.428	A-B LSA loss:	1.726 dB	4-point Event Loss:	-3.154 dB
A	0.0000	25.428	A-B ORL:	35.70 dB	Maximum reflectance:	-44.5 dB
B	2.4505	27.724				
b	2.4505	27.724				

# OTDR Report (1310 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		1.0558	0.362		0.342	0.362
Reflective	2	1.0558	0.378	-45.7		0.740
Section		1.3902	0.479		0.345	1.219
Merged Events	3	2.4460	1.409	-46.5		2.628
Section		1.9469	0.652		0.335	3.280
Merged Events	4	4.3929	---	> -19.9		3.280

## 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:	63_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:43 PM	Fiber ID:	63
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

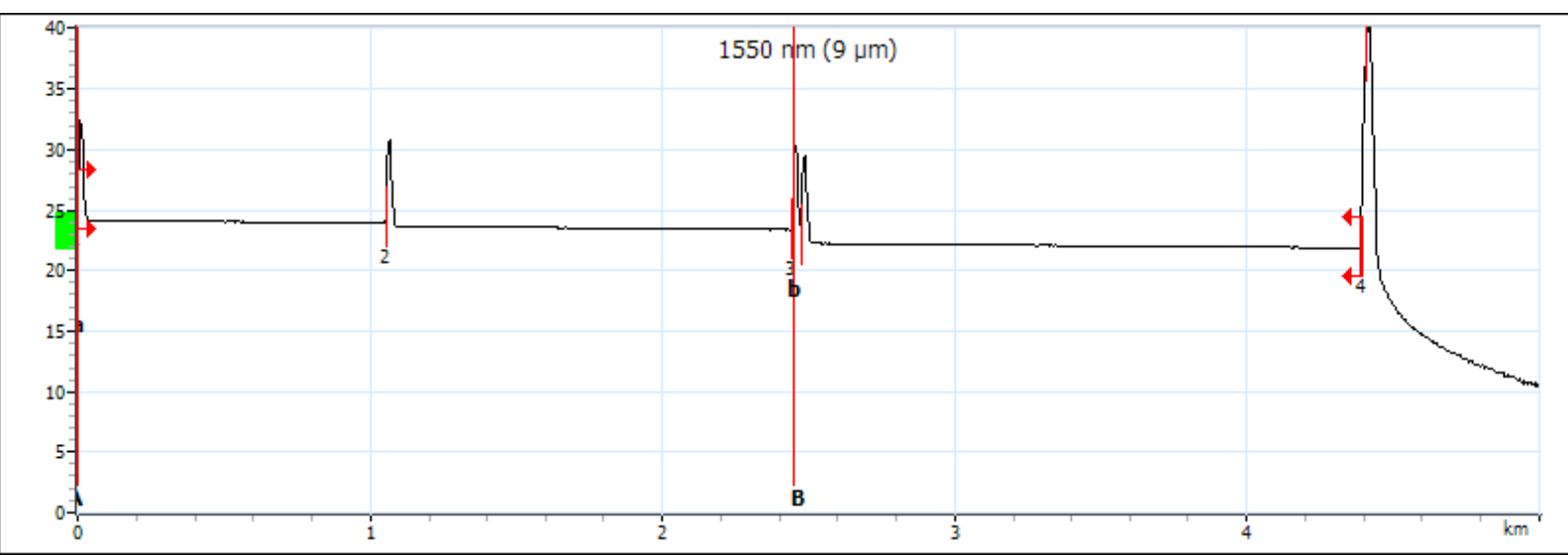
## Locations

	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:	4.3923 km	Average loss:	0.517 dB/km	Injection level:	24.1 dB
Span loss:	2.272 dB	Average splice loss:	---		
Span ORL:	36.66 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.519 dB/km	A-B average loss:	-1.249 dB/km
a	0.0000	24.696	A-B LSA loss:	1.272 dB	4-point Event Loss:	-3.552 dB
A	0.0000	24.696	A-B ORL:	37.36 dB	Maximum reflectance:	-44.8 dB
B	2.4505	27.758				
b	2.4505	27.758				

# 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	---	-44.8		0.000
Section		1.0560	0.201		0.190	0.201
Reflective	2	1.0560	0.268	-47.7		0.469
Section		1.3903	0.291		0.209	0.760
Merged Events	3	2.4462	1.113	-47.8		1.873
Section		1.9460	0.399		0.205	2.272
Merged Events	4	4.3923	---	> -21.3		2.272

## 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		