

# OTDR Report (1310 nm (9 μm))

## General Information

File name:	53_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:35 PM	Fiber ID:	53
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

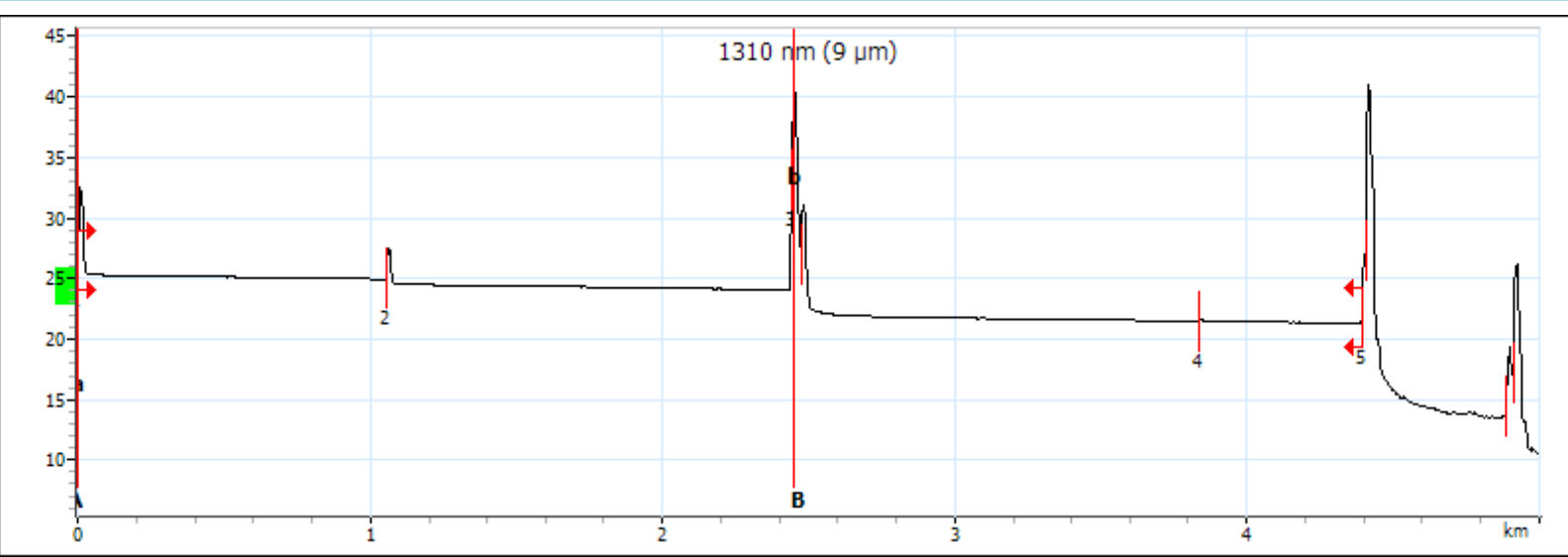
## Locations

	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:	4.3922 km	Average loss:	0.913 dB/km	Injection level:	25.3 dB
Span loss:	4.010 dB	Average splice loss:	---		
Span ORL:	<24.25 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.635 dB/km	A-B average loss:	-7.036 dB/km
a	0.0000	25.450	A-B LSA loss:	1.556 dB	4-point Event Loss:	-18.100 dB
A	0.0000	25.450	A-B ORL:	<29.32 dB	Maximum reflectance:	> -24.6 dB
B	2.4505	42.692				
b	2.4505	42.692				

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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	---	-44.6		0.000
Section		1.0564	0.367		0.347	0.367
Reflective	2	1.0564	0.411	-55.3		0.778
Section		1.3877	0.481		0.347	1.258
Merged Events	3	2.4441	2.101	> -21.8		3.360
Section		1.3928	0.495		0.355	3.855
Reflective (Possible Echo)	4	3.8369	-0.032	-70.8		3.823
Section		0.5553	0.187		0.337	4.010
Merged Events	5	4.3922	---	> -19.6		4.010
Section		0.4972	---		---	---
Merged Events		4.8895	---	-33.8		---

## Macroband

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	Macroband Wavelengths	Macroband 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:	53_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:35 PM	Fiber ID:	53
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

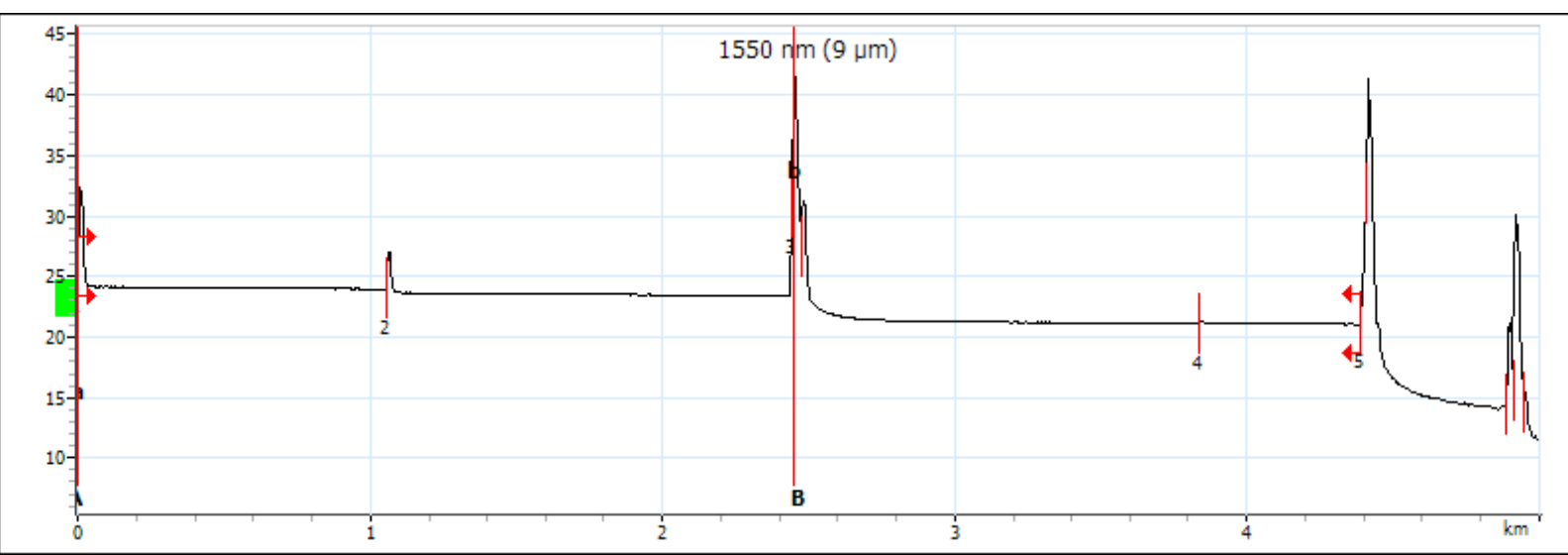
## Locations

	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:	4.3916 km	Average loss:	0.710 dB/km	Injection level:	24.2 dB
Span loss:	3.118 dB	Average splice loss:	---		
Span ORL:	<23.75 dB	Maximum splice loss:	---		

## Graph



## Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.427 dB/km	A-B average loss:	-7.424 dB/km
a	0.0000	24.787	A-B LSA loss:	1.045 dB	4-point Event Loss:	-18.682 dB
A	0.0000	24.787	A-B ORL:	<28.46 dB	Maximum reflectance:	> -24.1 dB
B	2.4505	42.979				
b	2.4505	42.979				

# 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	---	-44.9		0.000
Section		1.0560	0.199		0.188	0.199
Reflective	2	1.0560	0.292	-56.1		0.491
Section		1.3877	0.287		0.207	0.778
Merged Events	3	2.4437	1.988	> -22.4		2.766
Section		1.3922	0.282		0.203	3.048
Reflective (Possible Echo)	4	3.8359	-0.031	-70.7		3.017
Section		0.5557	0.101		0.181	3.118
Merged Events	5	4.3916	---	> -20.8		3.118
Section		0.4977	---		---	---
Merged Events		4.8893	---	-29.2		---

## Macroband

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	Macroband Wavelengths	Macroband 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		