

OTDR Report (1310 nm (9 μm))

General Information

File name:	57_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:38 PM	Fiber ID:	57
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

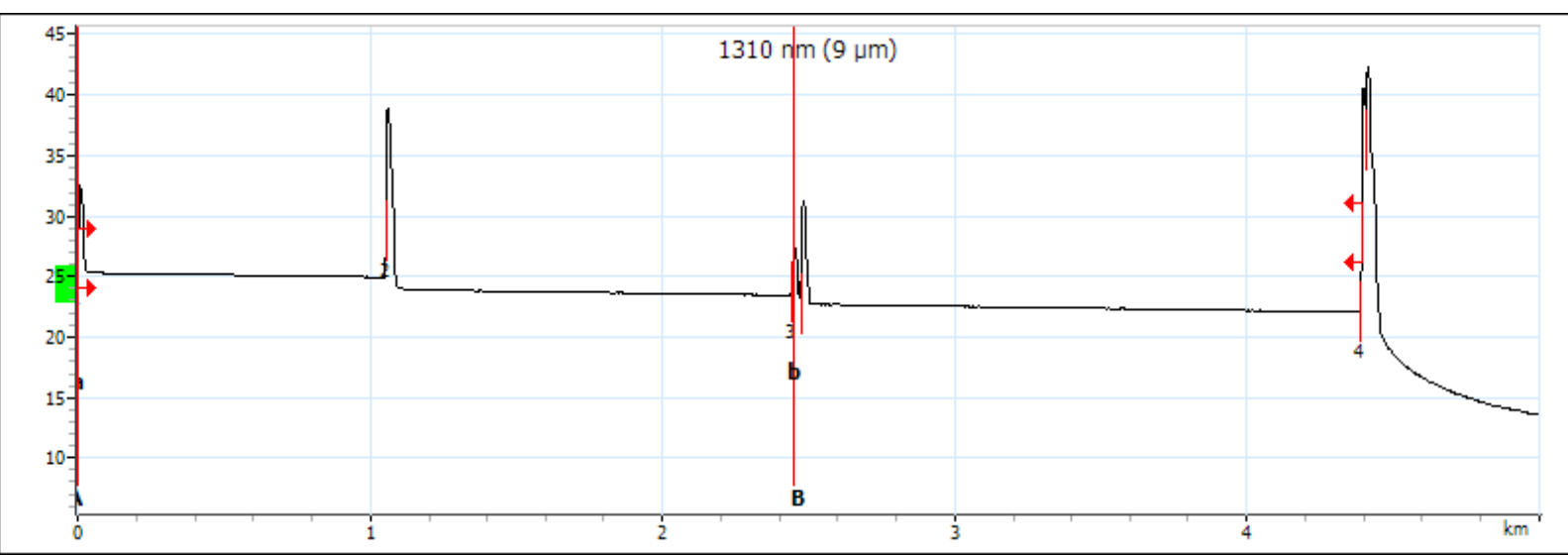
Locations

	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:	0.738 dB/km	Injection level:	25.3 dB
Span loss:	3.240 dB	Average splice loss:	---		
Span ORL:	30.37 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	1.114 dB/km	A-B average loss:	-0.378 dB/km
a	0.0000	25.450	A-B LSA loss:	2.731 dB	4-point Event Loss:	-1.783 dB
A	0.0000	25.450	A-B ORL:	30.56 dB	Maximum reflectance:	-31.9 dB
B	2.4505	26.376				
b	2.4505	26.376				

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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		1.0551	0.367		0.348	0.367
Reflective	2	1.0551	1.000	-31.1		1.367
Section		1.3902	0.503		0.362	1.870
Merged Events	3	2.4454	0.712	-43.6		2.582
Section		1.9462	0.659		0.338	3.240
Merged Events	4	4.3916	---	> -18.7		3.240

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:	57_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:38 PM	Fiber ID:	57
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

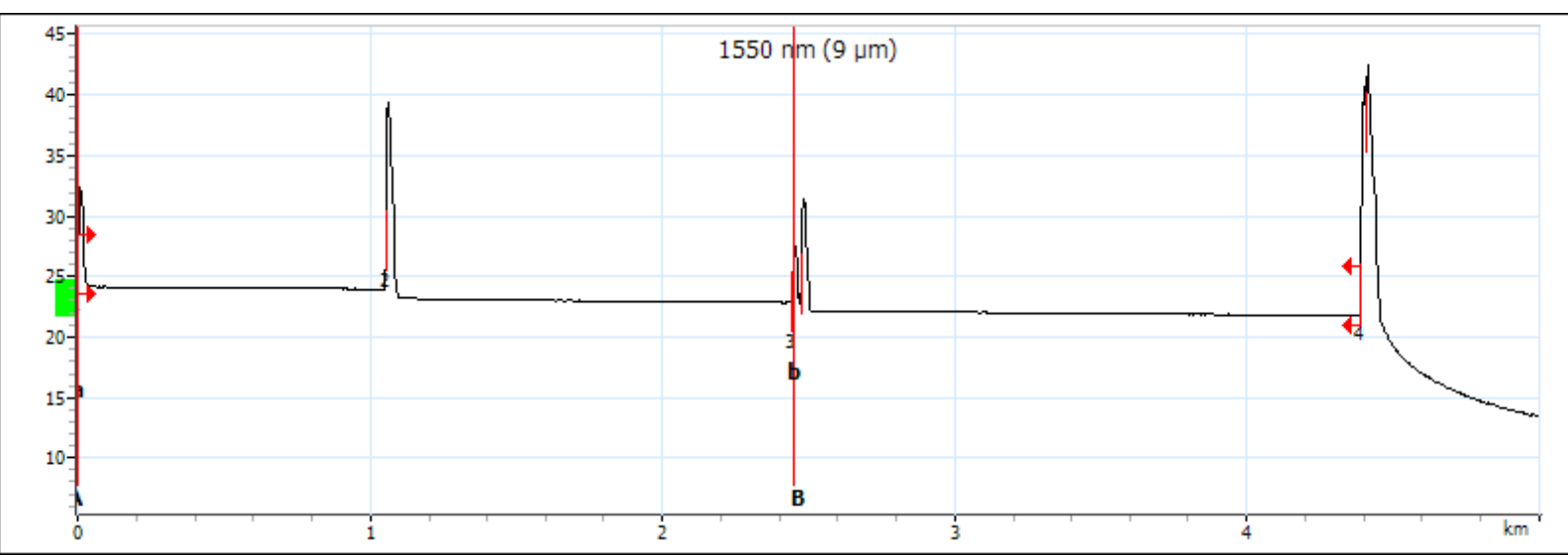
Locations

	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:	4.3910 km	Average loss:	0.549 dB/km	Injection level:	24.1 dB
Span loss:	2.410 dB	Average splice loss:	---		
Span ORL:	30.19 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.881 dB/km	A-B average loss:	-0.636 dB/km
a	0.0000	24.804	A-B LSA loss:	2.160 dB	4-point Event Loss:	-2.050 dB
A	0.0000	24.804	A-B ORL:	30.34 dB	Maximum reflectance:	-31.0 dB
B	2.4505	26.363				
b	2.4505	26.363				

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		1.0553	0.200		0.189	0.200
Reflective	2	1.0553	0.793	-30.6		0.992
Section		1.3897	0.337		0.242	1.329
Merged Events	3	2.4450	0.674	-44.3		2.003
Section		1.9460	0.406		0.209	2.410
Merged Events	4	4.3910	---	> -20.0		2.410

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		