

OTDR Report (1310 nm (9 μm))

General Information

File name:	51_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:32 PM	Fiber ID:	51
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

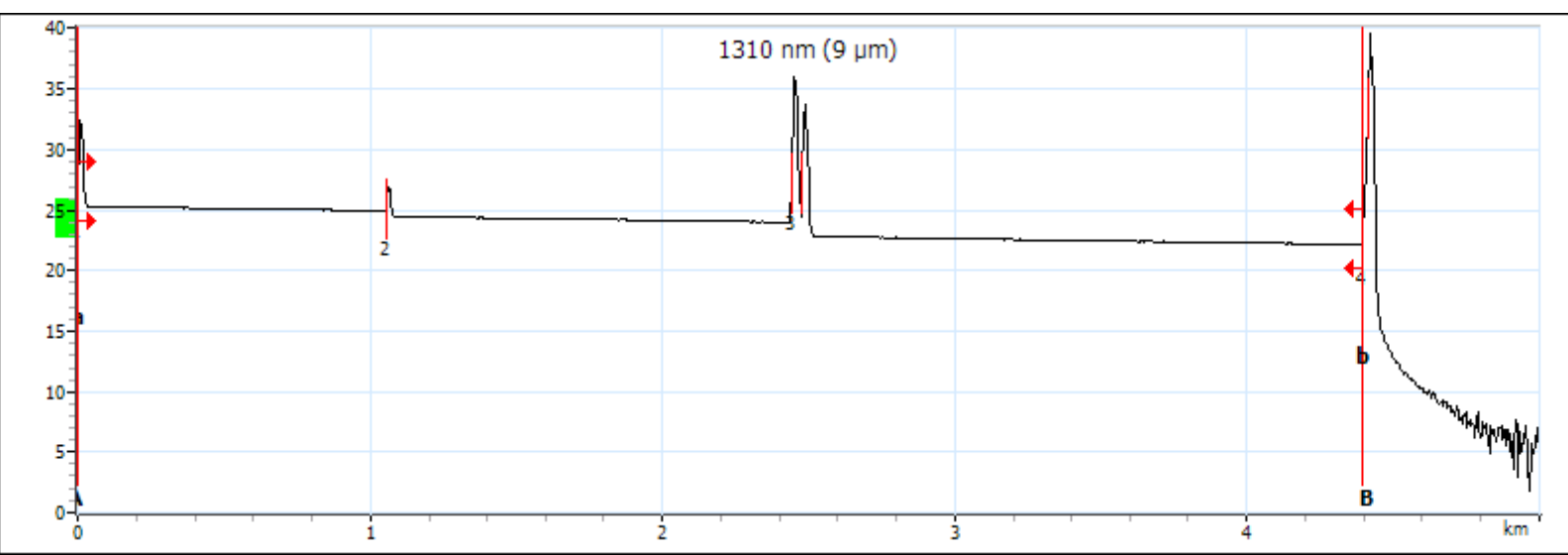
Locations

	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:	4.3967 km	Average loss:	0.717 dB/km	Injection level:	25.3 dB
Span loss:	3.154 dB	Average splice loss:	---		
Span ORL:	32.76 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.878 dB/km	A-B average loss:	0.755 dB/km
a	0.0000	25.482	A-B LSA loss:	3.858 dB	4-point Event Loss:	1.779 dB
A	0.0000	25.482	A-B ORL:	32.45 dB	Maximum reflectance:	-37.9 dB
B	4.3929	22.166				
b	4.3929	22.166				

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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	---	-44.7		0.000
Section		1.0564	0.362		0.343	0.362
Reflective	2	1.0564	0.469	-57.4		0.831
Section		1.3877	0.475		0.342	1.306
Merged Events	3	2.4441	1.158	-35.3		2.465
Section		1.9526	0.690		0.353	3.154
Merged Events	4	4.3967	---	-23.6		3.154

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:	51_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:32 PM	Fiber ID:	51
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

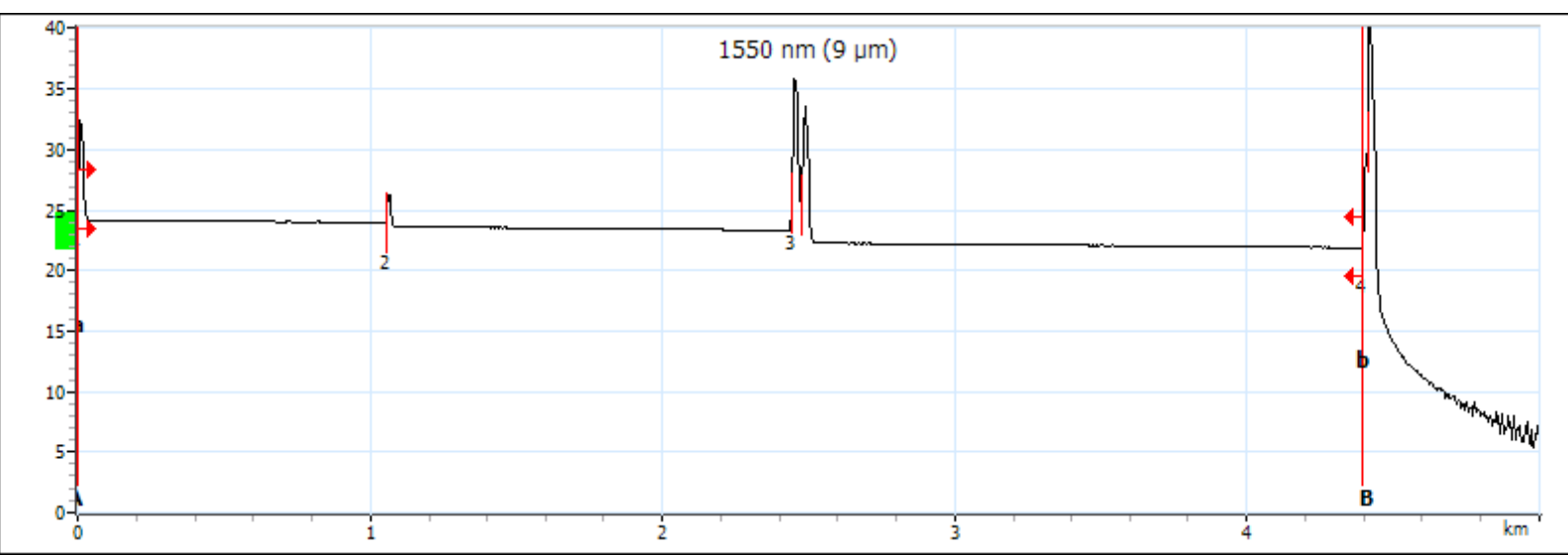
Locations

	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:	4.3967 km	Average loss:	0.519 dB/km	Injection level:	24.2 dB
Span loss:	2.283 dB	Average splice loss:	---		
Span ORL:	33.83 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.675 dB/km	A-B average loss:	0.654 dB/km
a	0.0000	24.753	A-B LSA loss:	2.963 dB	4-point Event Loss:	1.995 dB
A	0.0000	24.753	A-B ORL:	33.47 dB	Maximum reflectance:	-38.2 dB
B	4.3929	21.879				
b	4.3929	21.879				

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	---	-45.0		0.000
Section		1.0566	0.200		0.189	0.200
Reflective	2	1.0566	0.347	-58.2		0.547
Section		1.3877	0.285		0.205	0.832
Merged Events	3	2.4443	1.045	-36.5		1.877
Section		1.9524	0.407		0.208	2.283
Merged Events	4	4.3967	---	> -24.0		2.283

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		