

OTDR Report (1310 nm (9 μm))

General Information

File name:	19_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:17 PM	Fiber ID:	19
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

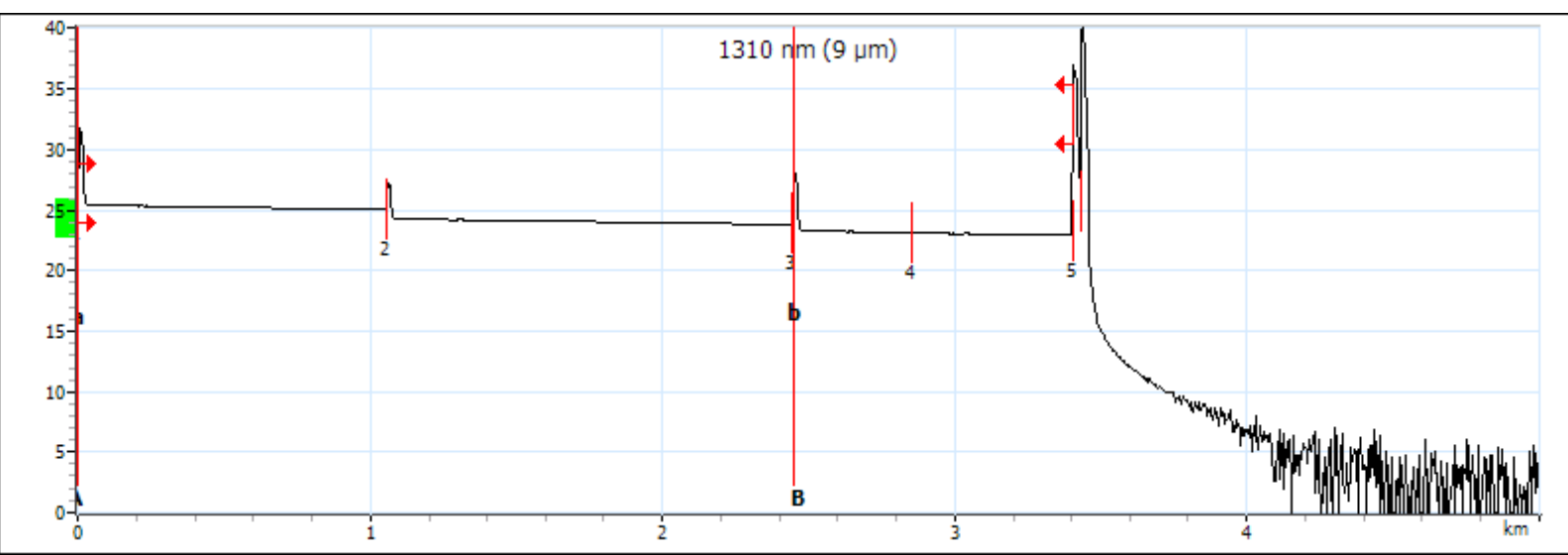
Locations

	Location A	Location B
Location	FAR0	FAR3
Operator	PANDA	HABEEB
Model	MAX-720C-Q1-EA-EI	
Serial number	1206159	
Calibration date	29-Mar-23 (UTC)	

Results

Span length:	3.4028 km	Average loss:	0.731 dB/km	Injection level:	25.4 dB
Span loss:	2.487 dB	Average splice loss:	0.039 dB		
Span ORL:	36.39 dB	Maximum splice loss:	0.039 dB		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.911 dB/km	A-B average loss:	-0.124 dB/km
a	0.0000	25.476	A-B LSA loss:	2.232 dB	4-point Event Loss:	-1.162 dB
A	0.0000	25.476	A-B ORL:	36.62 dB	Maximum reflectance:	-46.3 dB
B	2.4505	25.780				
b	2.4505	25.780				

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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	---	-46.3		0.000
Section		1.0558	0.375		0.355	0.375
Reflective	2	1.0558	0.761	-56.5		1.136
Section		1.3909	0.473		0.340	1.609
Reflective	3	2.4467	0.514	-51.1		2.123
Section		0.4047	0.140		0.345	2.263
Non-Reflective	4	2.8513	0.039			2.303
Section		0.5515	0.185		0.335	2.487
Merged Events	5	3.4028	---	> -23.8		2.487

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:	19_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:17 PM	Fiber ID:	19
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

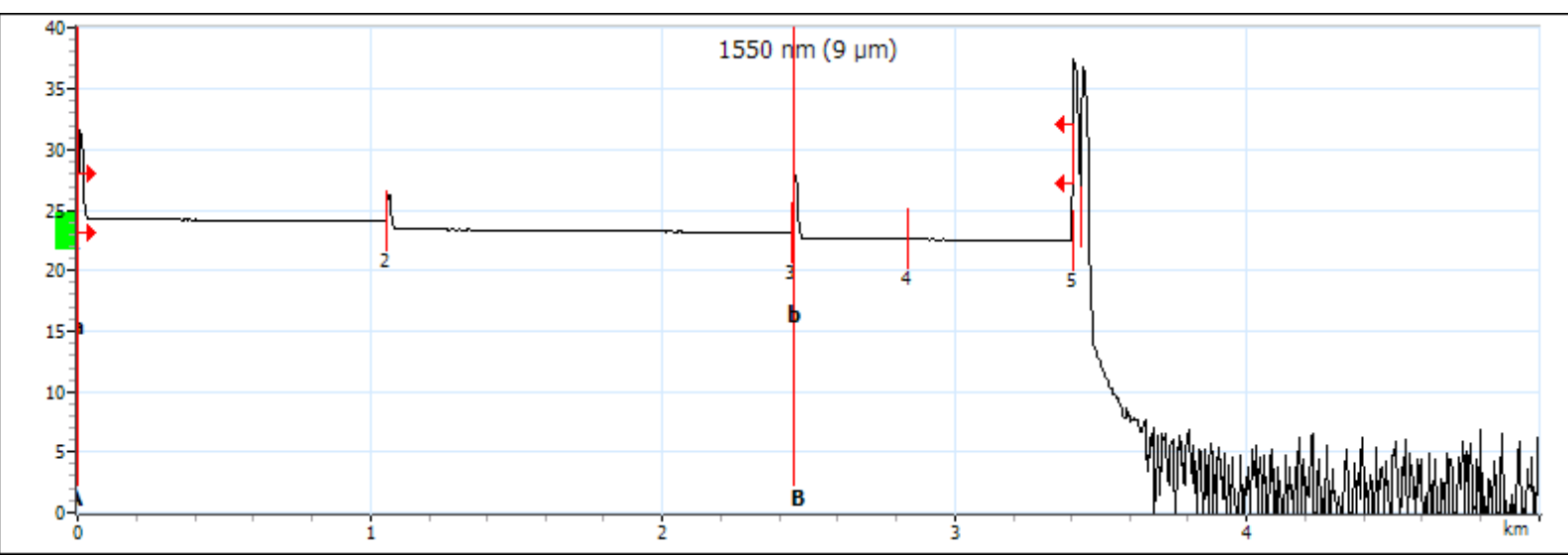
Locations

	Location A	Location B
Location	FAR0	FAR3
Operator	PANDA	HABEEB
Model	MAX-720C-Q1-EA-EI	
Serial number	1206159	
Calibration date	29-Mar-23 (UTC)	

Results

Span length:	3.4027 km	Average loss:	0.533 dB/km	Injection level:	24.3 dB
Span loss:	1.813 dB	Average splice loss:	0.051 dB		
Span ORL:	38.20 dB	Maximum splice loss:	0.051 dB		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.716 dB/km	A-B average loss:	-0.399 dB/km
a	0.0000	24.665	A-B LSA loss:	1.754 dB	4-point Event Loss:	-1.469 dB
A	0.0000	24.665	A-B ORL:	38.40 dB	Maximum reflectance:	-46.7 dB
B	2.4505	25.644				
b	2.4505	25.644				

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	---	-46.7		0.000
Section		1.0560	0.213		0.202	0.213
Reflective	2	1.0560	0.628	-58.5		0.841
Section		1.3903	0.301		0.217	1.143
Reflective	3	2.4462	0.423	-52.4		1.566
Section		0.3975	0.077		0.194	1.643
Non-Reflective	4	2.8437	0.051			1.694
Section		0.5589	0.119		0.213	1.813
Merged Events	5	3.4027	---	-31.5		1.813

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		