

OTDR Report (1310 nm (9 μm))

General Information

File name:	71_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:53 PM	Fiber ID:	71
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

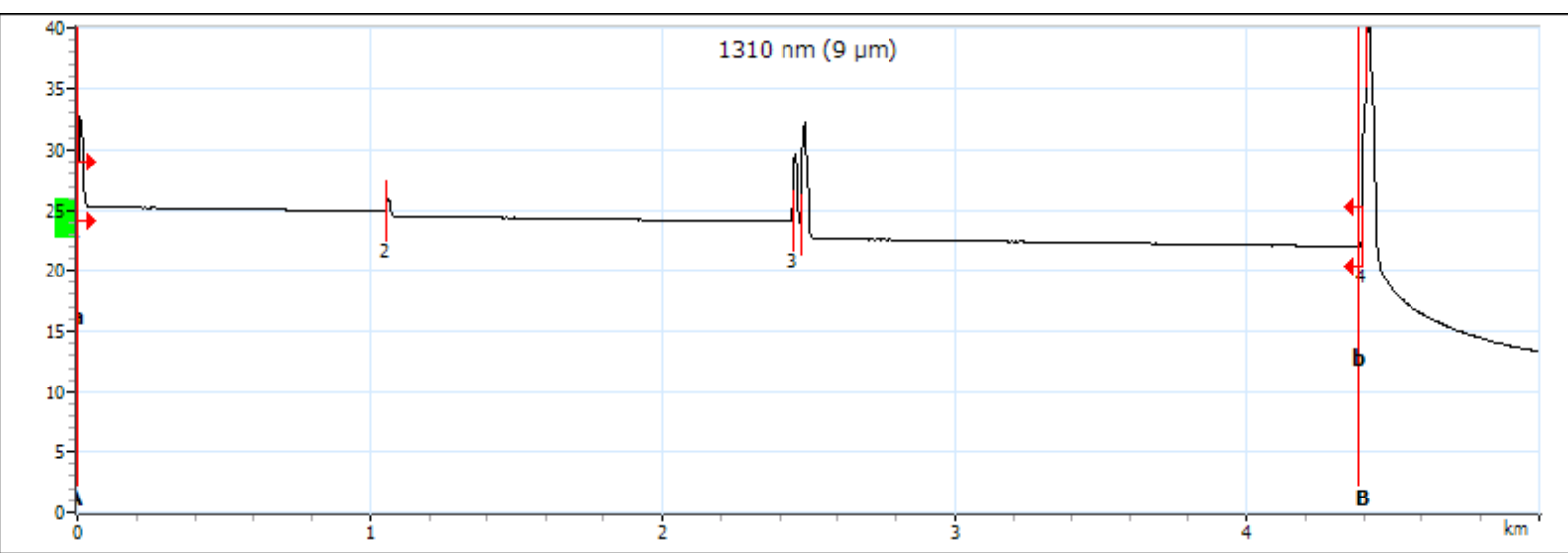
Locations

	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:	0.742 dB/km	Injection level:	25.3 dB
Span loss:	3.260 dB	Average splice loss:	---		
Span ORL:	35.17 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.931 dB/km	A-B average loss:	0.793 dB/km
a	0.0000	25.479	A-B LSA loss:	4.082 dB	4-point Event Loss:	1.941 dB
A	0.0000	25.479	A-B ORL:	34.58 dB	Maximum reflectance:	-44.2 dB
B	4.3846	22.003				
b	4.3846	22.003				

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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	---	-44.2		0.000
Section		1.0570	0.362		0.343	0.362
Reflective	2	1.0570	0.391	-61.2		0.753
Section		1.3902	0.480		0.345	1.233
Merged Events	3	2.4473	1.358	-42.7		2.591
Section		1.9456	0.669		0.344	3.260
Merged Events	4	4.3929	---	> -18.6		3.260

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:	71_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:53 PM	Fiber ID:	71
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

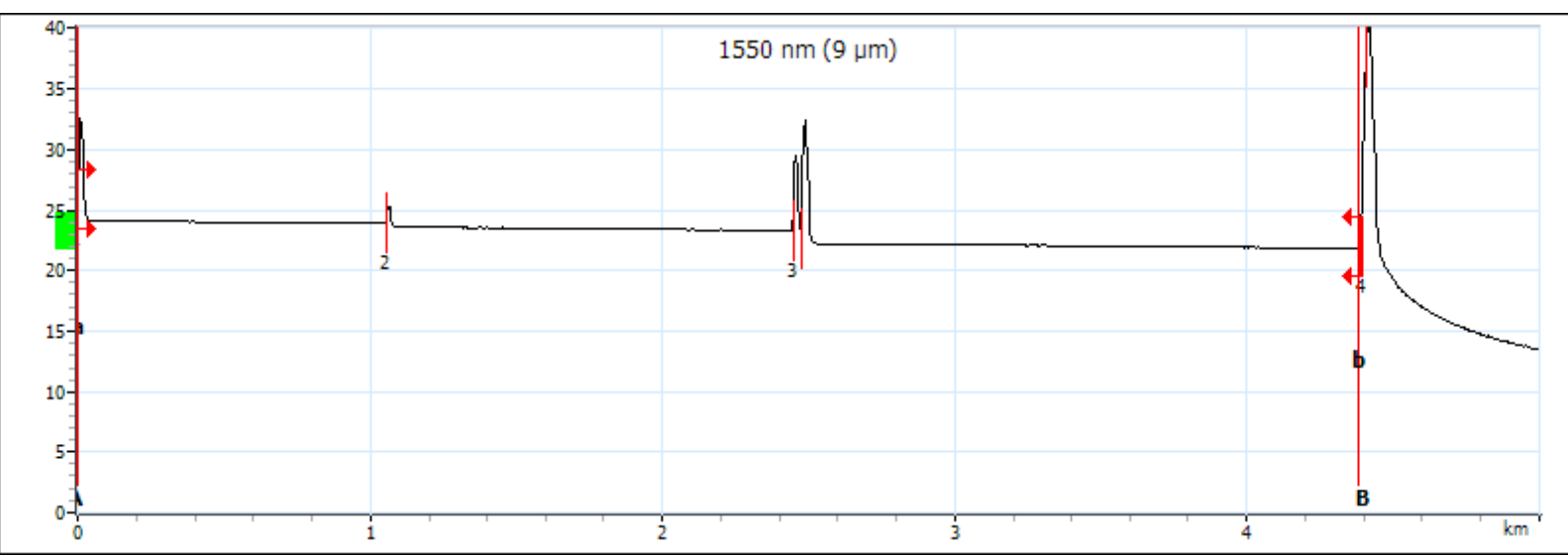
Locations

	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:	2.271 dB	Average splice loss:	---		
Span ORL:	36.57 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.681 dB/km	A-B average loss:	0.641 dB/km
a	0.0000	24.649	A-B LSA loss:	2.984 dB	4-point Event Loss:	1.932 dB
A	0.0000	24.649	A-B ORL:	35.85 dB	Maximum reflectance:	-44.5 dB
B	4.3846	21.841				
b	4.3846	21.841				

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	---	-44.5		0.000
Section		1.0566	0.201		0.190	0.201
Reflective	2	1.0566	0.296	-61.6		0.497
Section		1.3903	0.299		0.215	0.796
Merged Events	3	2.4469	1.062	-43.5		1.858
Section		1.9454	0.412		0.212	2.271
Merged Events	4	4.3923	---	> -20.2		2.271

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		