

OTDR Report (1310 nm (9 μm))

General Information

File name:	60_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:40 PM	Fiber ID:	60
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

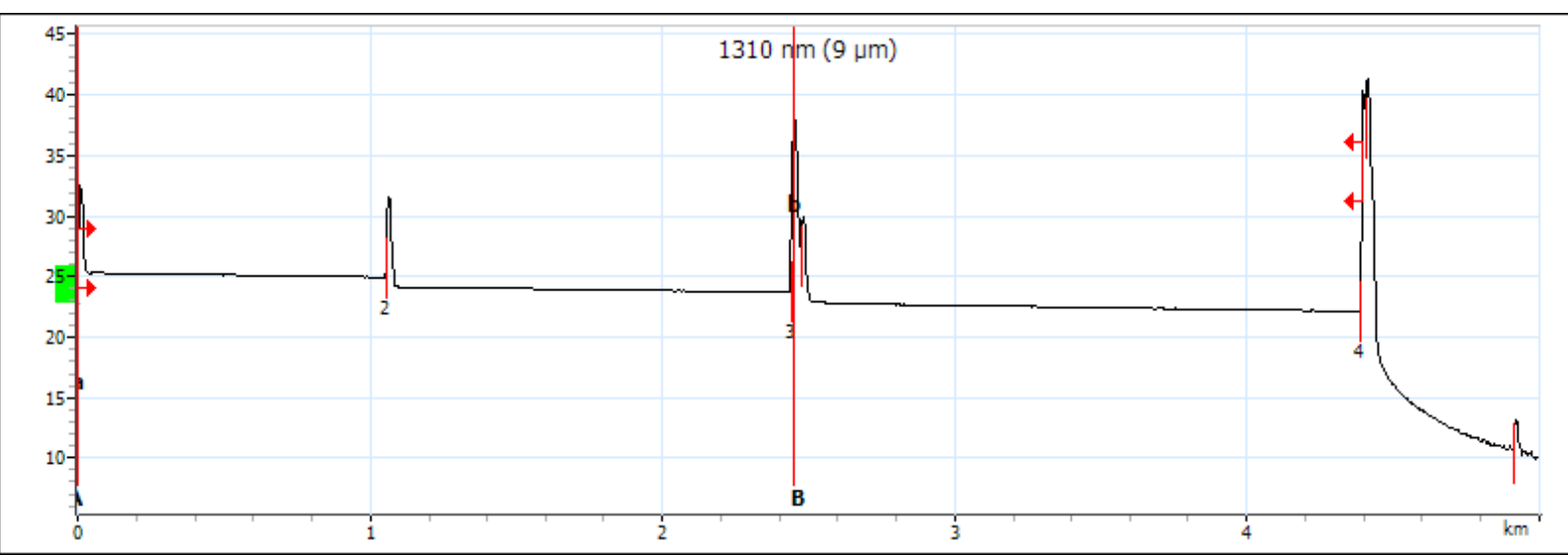
Locations

	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:	4.3903 km	Average loss:	0.729 dB/km	Injection level:	25.3 dB
Span loss:	3.198 dB	Average splice loss:	---		
Span ORL:	28.61 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.876 dB/km	A-B average loss:	-6.003 dB/km
a	0.0000	25.443	A-B LSA loss:	2.146 dB	4-point Event Loss:	-15.569 dB
A	0.0000	25.443	A-B ORL:	32.59 dB	Maximum reflectance:	-29.6 dB
B	2.4505	40.154				
b	2.4505	40.154				

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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		1.0558	0.366		0.347	0.366
Reflective	2	1.0558	0.785	-45.8		1.152
Section		1.3877	0.473		0.341	1.624
Merged Events	3	2.4435	0.857	-26.1		2.482
Section		1.9469	0.717		0.368	3.198
Merged Events	4	4.3903	---	> -20.8		3.198
Section		0.5234	---		---	---
Reflective		4.9137	---	-55.3		---

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:	60_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:40 PM	Fiber ID:	60
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

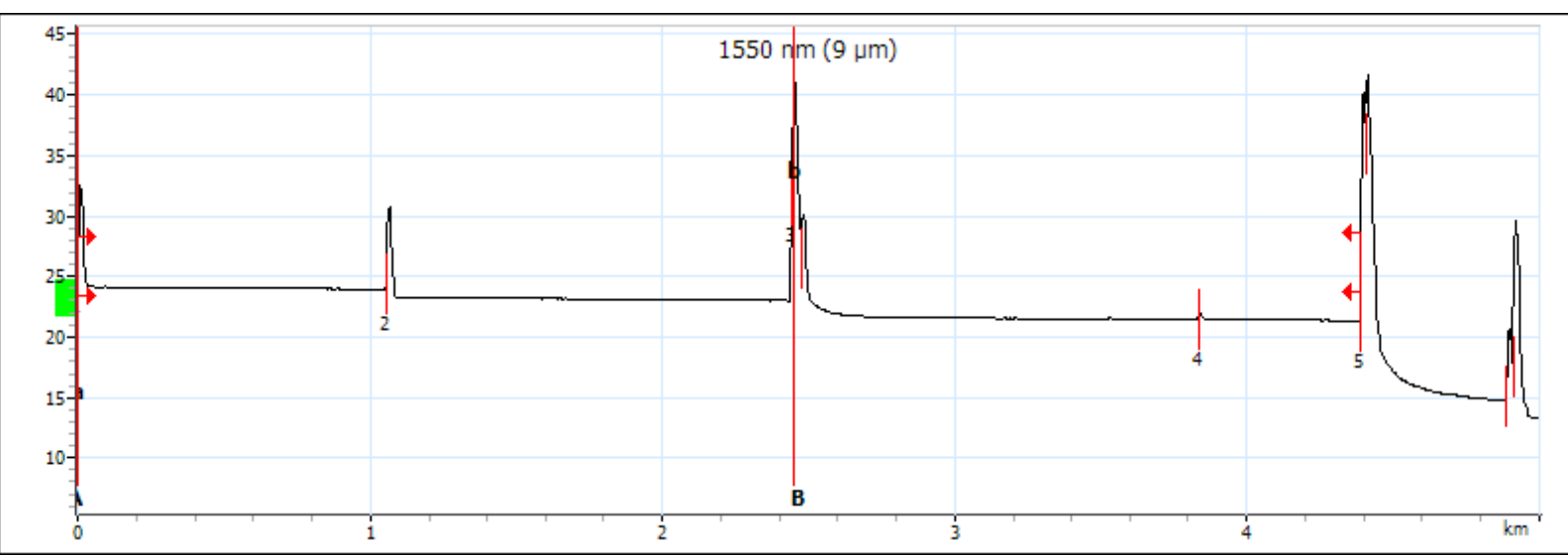
Locations

	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:	4.3897 km	Average loss:	0.635 dB/km	Injection level:	24.1 dB
Span loss:	2.788 dB	Average splice loss:	---		
Span ORL:	<23.83 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.649 dB/km	A-B average loss:	-7.410 dB/km
a	0.0000	24.774	A-B LSA loss:	1.591 dB	4-point Event Loss:	-18.648 dB
A	0.0000	24.774	A-B ORL:	<28.05 dB	Maximum reflectance:	> -24.1 dB
B	2.4505	42.933				
b	2.4505	42.933				

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	---	-44.8		0.000
Section		1.0560	0.200		0.190	0.200
Reflective	2	1.0560	0.661	-47.8		0.862
Section		1.3871	0.288		0.208	1.150
Merged Events	3	2.4431	1.313	> -21.7		2.463
Section		1.3916	0.244		0.175	2.707
Reflective (Possible Echo)	4	3.8346	-0.014	-67.2		2.693
Section		0.5551	0.095		0.171	2.788
Merged Events	5	4.3897	---	> -21.1		2.788
Section		0.4983	---		---	---
Merged Events		4.8880	---	-31.2		---

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		