

OTDR Report (1310 nm (9 μm))

General Information

File name:	65_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:49 PM	Fiber ID:	65
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

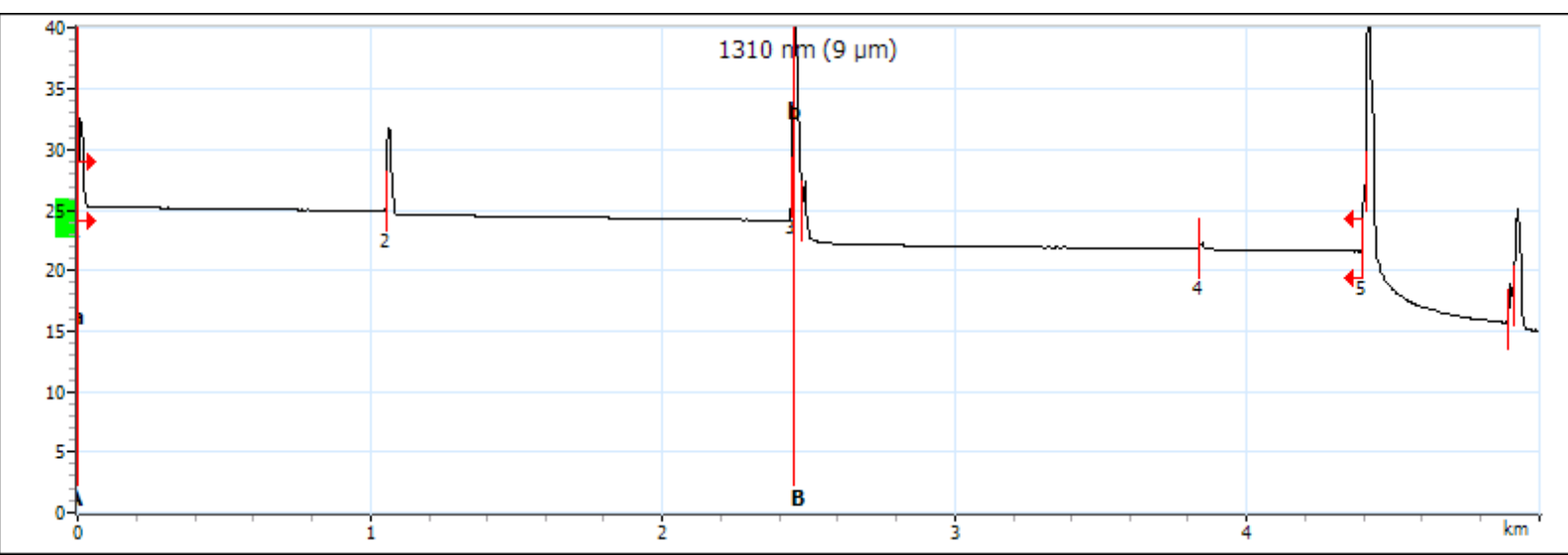
Locations

	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:	0.839 dB/km	Injection level:	25.3 dB
Span loss:	3.685 dB	Average splice loss:	---		
Span ORL:	<24.30 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.615 dB/km	A-B average loss:	-6.894 dB/km
a	0.0000	25.465	A-B LSA loss:	1.506 dB	4-point Event Loss:	-17.752 dB
A	0.0000	25.465	A-B ORL:	<32.19 dB	Maximum reflectance:	> -25.4 dB
B	2.4505	42.359				
b	2.4505	42.359				

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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	---	-44.3		0.000
Section		1.0558	0.365		0.346	0.365
Reflective	2	1.0558	0.284	-45.3		0.649
Section		1.3902	0.492		0.354	1.142
Merged Events	3	2.4460	1.920	> -22.2		3.062
Section		1.3934	0.462		0.331	3.523
Reflective (Possible Echo)	4	3.8395	-0.023	-64.8		3.501
Section		0.5534	0.185		0.334	3.685
Merged Events	5	4.3929	---	> -18.0		3.685
Section		0.5011	---		---	---
Merged Events		4.8939	---	-39.8		---

Macroband

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	Macroband Wavelengths	Macroband 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:	65_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:49 PM	Fiber ID:	65
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

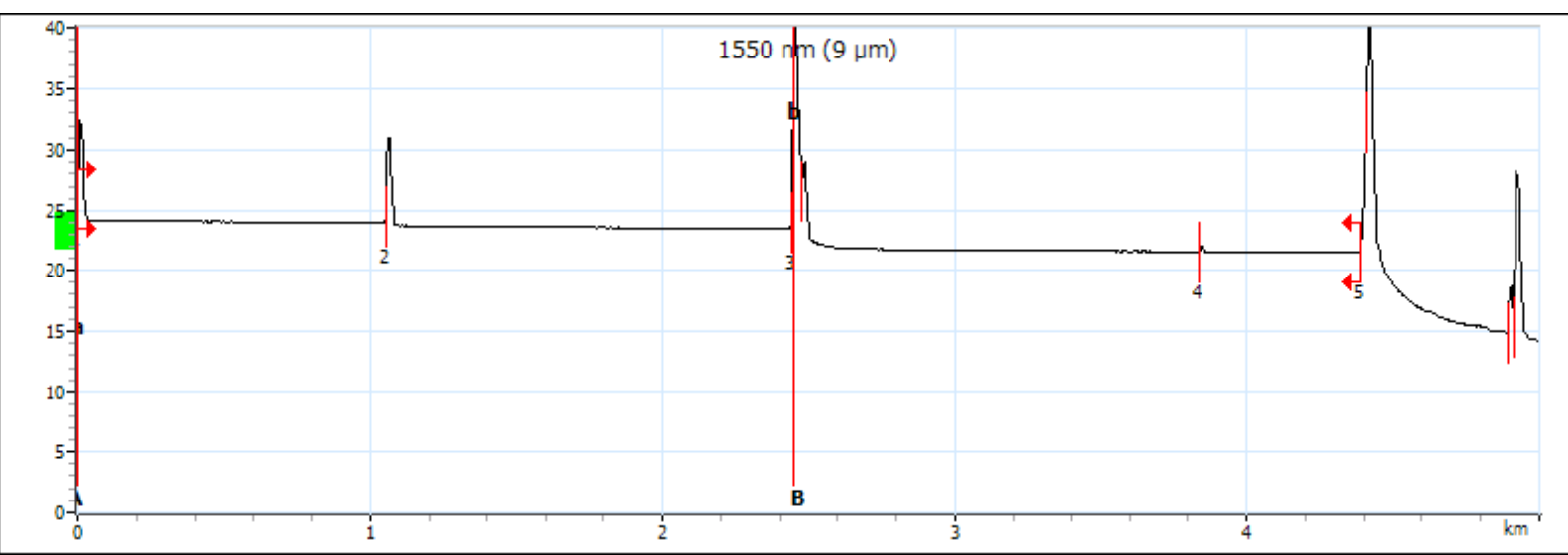
Locations

	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:	0.606 dB/km	Injection level:	24.1 dB
Span loss:	2.661 dB	Average splice loss:	---		
Span ORL:	<24.27 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.443 dB/km	A-B average loss:	-7.273 dB/km
a	0.0000	24.587	A-B LSA loss:	1.086 dB	4-point Event Loss:	-18.312 dB
A	0.0000	24.587	A-B ORL:	<32.04 dB	Maximum reflectance:	> -25.5 dB
B	2.4505	42.409				
b	2.4505	42.409				

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	---	-44.7		0.000
Section		1.0553	0.201		0.190	0.201
Reflective	2	1.0553	0.212	-47.1		0.413
Section		1.3903	0.310		0.223	0.722
Merged Events	3	2.4456	1.588	> -23.0		2.310
Section		1.3941	0.273		0.196	2.583
Reflective (Possible Echo)	4	3.8397	-0.019	-68.0		2.563
Section		0.5519	0.098		0.177	2.661
Merged Events	5	4.3916	---	> -19.7		2.661
Section		0.5028	---		---	---
Merged Events		4.8944	---	-34.5		---

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		