

OTDR Report (1310 nm (9 μm))

General Information

File name:	89_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:27 PM	Fiber ID:	89
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

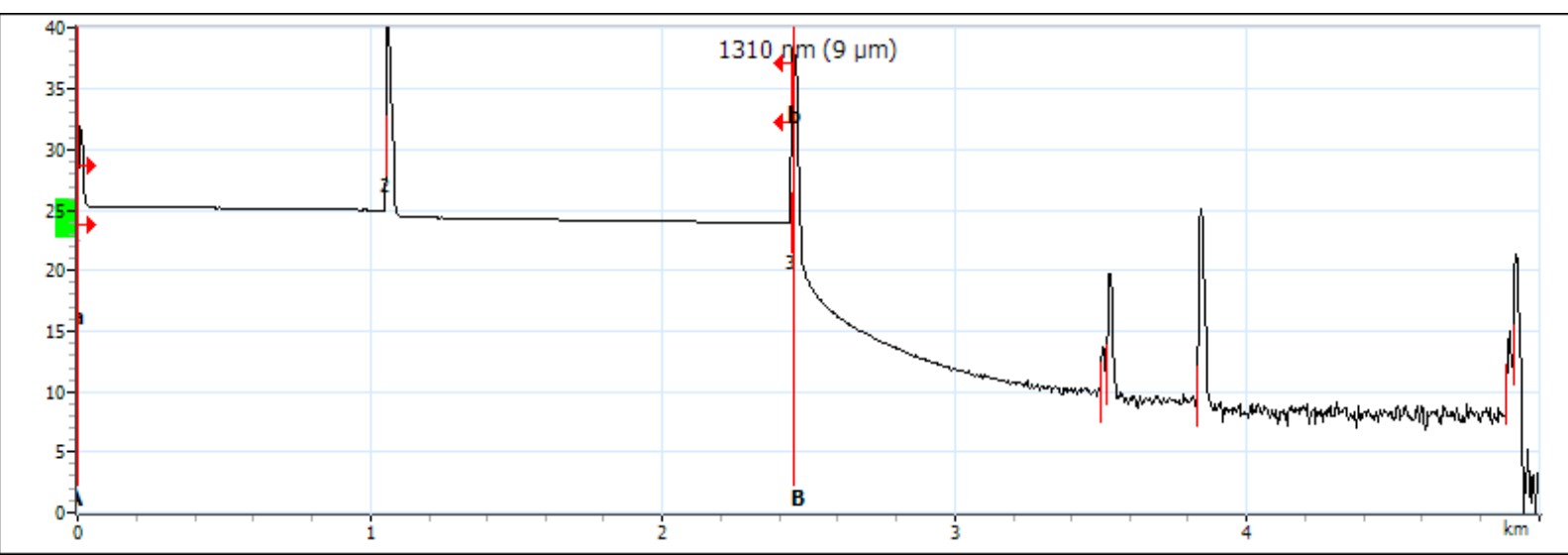
Locations

	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:	2.4435 km	Average loss:	0.590 dB/km	Injection level:	25.3 dB
Span loss:	1.441 dB	Average splice loss:	---		
Span ORL:	28.87 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.752 dB/km	A-B average loss:	-6.821 dB/km
a	0.0000	25.379	A-B LSA loss:	1.843 dB	4-point Event Loss:	-17.573 dB
A	0.0000	25.379	A-B ORL:	<26.67 dB	Maximum reflectance:	> -25.8 dB
B	2.4505	42.094				
b	2.4505	42.094				

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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	---	-46.0		0.000
Section		1.0551	0.367		0.348	0.367
Reflective	2	1.0551	0.547	-28.7		0.915
Section		1.3883	0.526		0.379	1.441
Reflective	3	2.4435	---	> -22.8		1.441
Section		1.0583	---		---	---
Merged Events		3.5018	---	-38.5		---
Section		0.3313	---		---	---
Reflective		3.8331	---	-27.4		---
Section		1.0570	---		---	---
Merged Events		4.8901	---	-32.3		---

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:	89_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	3:27 PM	Fiber ID:	89
Cable ID:	FAR0 to FAR3 1A (A-B)		
Job ID:	0500831		
Comments:	END TO END TEST		

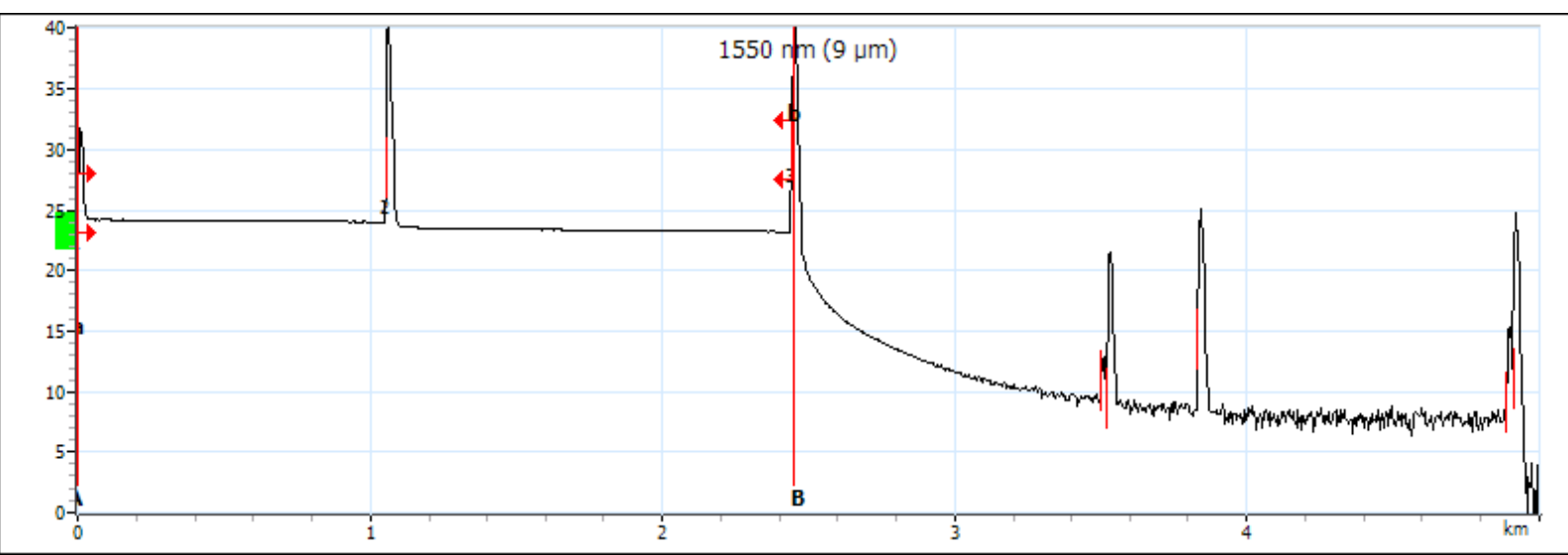
Locations

	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:	2.4437 km	Average loss:	0.422 dB/km	Injection level:	24.2 dB
Span loss:	1.031 dB	Average splice loss:	---		
Span ORL:	29.50 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.589 dB/km	A-B average loss:	-7.186 dB/km
a	0.0000	24.622	A-B LSA loss:	1.443 dB	4-point Event Loss:	-18.100 dB
A	0.0000	24.622	A-B ORL:	<26.97 dB	Maximum reflectance:	>-25.7 dB
B	2.4505	42.232				
b	2.4505	42.232				

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	---	-46.4		0.000
Section		1.0553	0.210		0.199	0.210
Reflective	2	1.0553	0.478	-29.5		0.688
Section		1.3884	0.344		0.247	1.031
Reflective	3	2.4437	---	> -23.5		1.031
Section		1.0585	---		---	---
Merged Events		3.5022	---	-36.7		---
Section		0.3305	---		---	---
Reflective		3.8327	---	-28.1		---
Section		1.0572	---		---	---
Merged Events		4.8899	---	-27.0		---

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		