

OTDR Report (1310 nm (9 μm))

General Information

File name:	52_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:33 PM	Fiber ID:	52
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

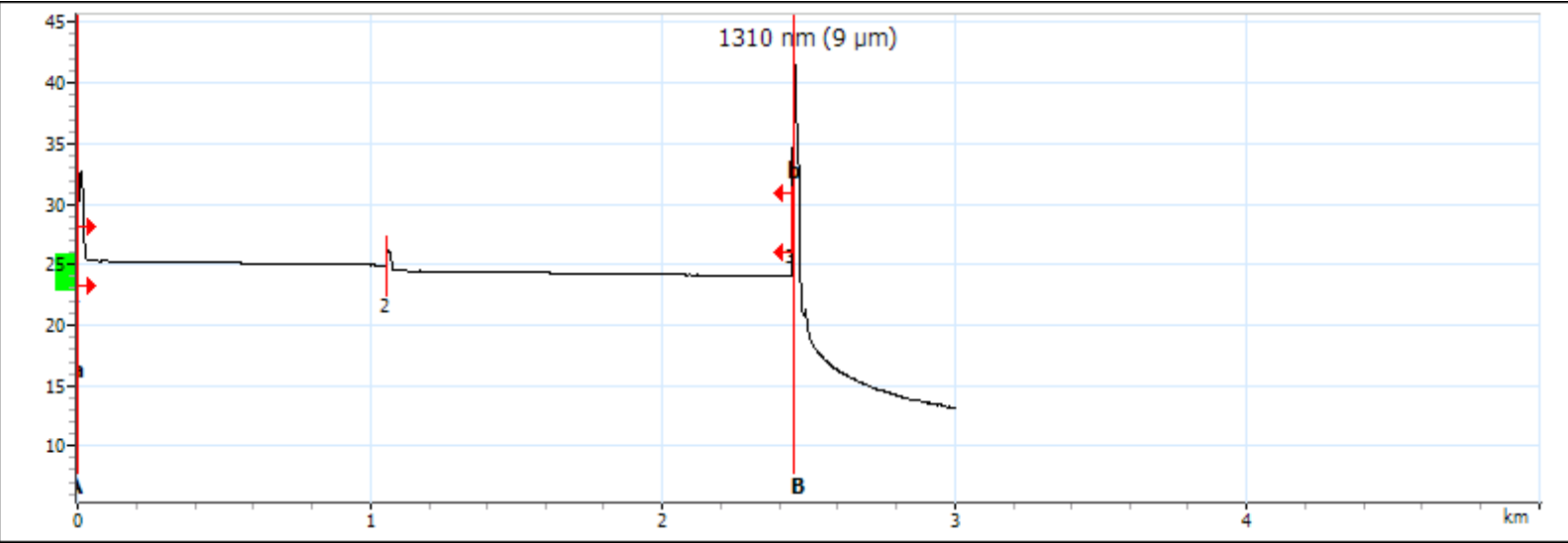
Locations

	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:	2.4447 km	Average loss:	0.529 dB/km	Injection level:	25.3 dB
Span loss:	1.294 dB	Average splice loss:	---		
Span ORL:	36.98 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.669 dB/km	A-B average loss:	-6.739 dB/km
a	0.0000	25.508	A-B LSA loss:	1.639 dB	4-point Event Loss:	-17.370 dB
A	0.0000	25.508	A-B ORL:	<30.71 dB	Maximum reflectance:	> -25.9 dB
B	2.4505	42.021				
b	2.4505	42.021				

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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	---	-44.7		0.000
Section		1.0564	0.367		0.347	0.367
Reflective	2	1.0564	0.445	-60.1		0.812
Section		1.3883	0.482		0.347	1.294
Reflective	3	2.4447	---	> -22.9		1.294

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)	3.0000
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:	52_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:33 PM	Fiber ID:	52
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

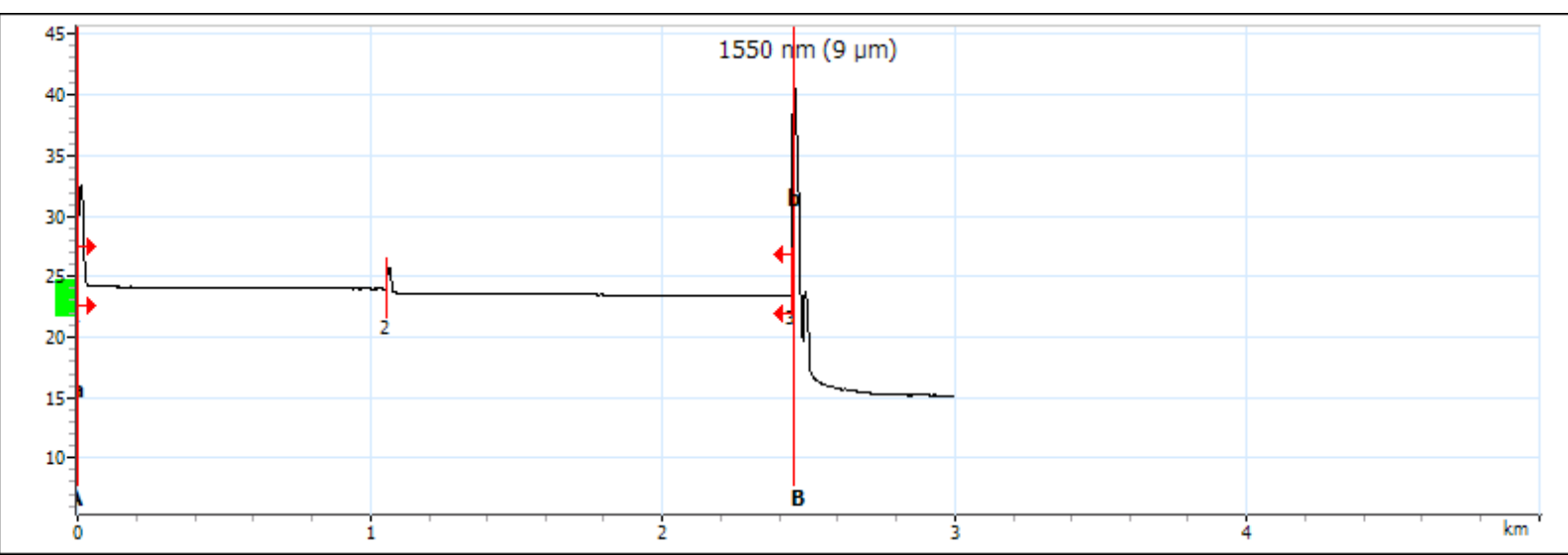
Locations

	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:	2.4447 km	Average loss:	0.337 dB/km	Injection level:	24.2 dB
Span loss:	0.823 dB	Average splice loss:	---		
Span ORL:	38.93 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.485 dB/km	A-B average loss:	-6.475 dB/km
a	0.0000	24.812	A-B LSA loss:	1.188 dB	4-point Event Loss:	-16.357 dB
A	0.0000	24.812	A-B ORL:	<33.43 dB	Maximum reflectance:	> -28.7 dB
B	2.4505	40.679				
b	2.4505	40.679				

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	---	-45.0		0.000
Section		1.0569	0.197		0.187	0.197
Reflective	2	1.0569	0.320	-60.5		0.518
Section		1.3877	0.305		0.220	0.823
Reflective	3	2.4447	---	> -26.7		0.823

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)	3.0000
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		