

OTDR Report (1310 nm (9 μm))

General Information

File name:	72_1310.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:54 PM	Fiber ID:	72
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

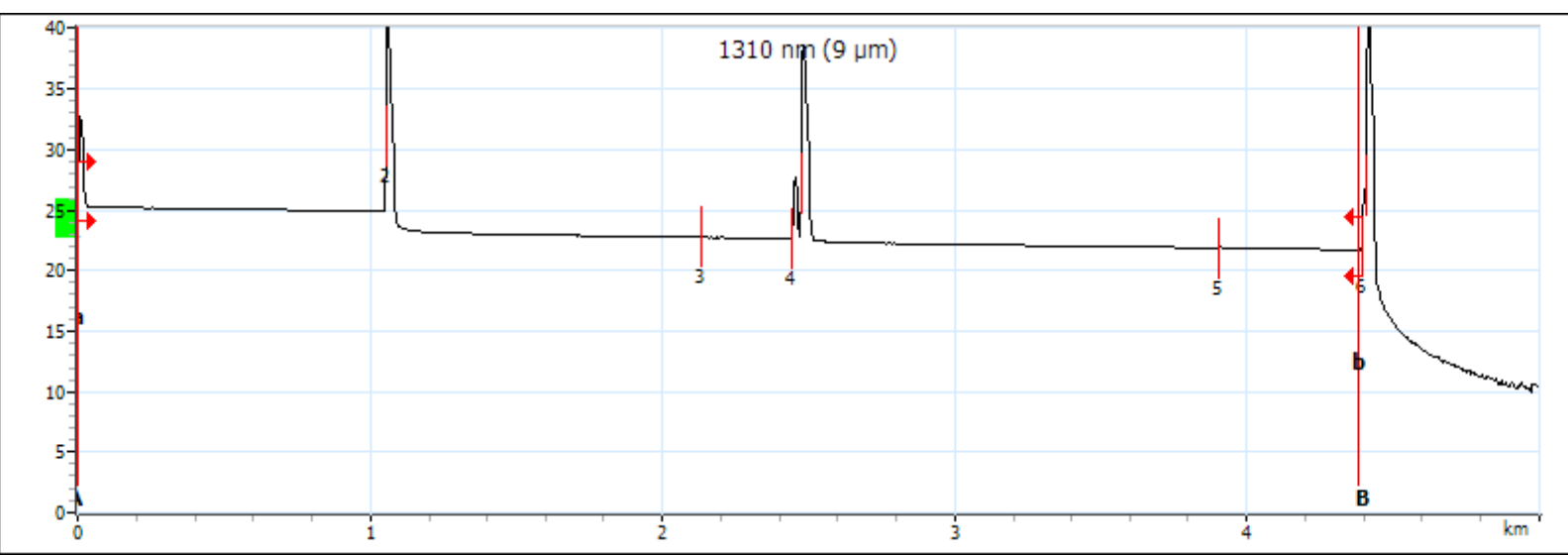
Locations

	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:	4.3922 km	Average loss:	0.809 dB/km	Injection level:	25.3 dB
Span loss:	3.555 dB	Average splice loss:	---		
Span ORL:	<25.89 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.969 dB/km	A-B average loss:	0.861 dB/km
a	0.0000	25.472	A-B LSA loss:	4.248 dB	4-point Event Loss:	2.239 dB
A	0.0000	25.472	A-B ORL:	<25.82 dB	Maximum reflectance:	> -27.2 dB
B	4.3846	21.698				
b	4.3846	21.698				

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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		1.0551	0.361		0.342	0.361
Reflective	2	1.0551	1.695	> -26.5		2.056
Section		1.0819	0.503		0.465	2.558
Reflective (Possible Echo)	3	2.1371	-0.044	-70.6		2.514
Section		0.3096	0.128		0.412	2.641
Merged Events	4	2.4467	0.221	-27.2		2.862
Section		1.4547	0.553		0.380	3.415
Reflective (Possible Echo)	5	3.9014	-0.036	-71.0		3.379
Section		0.4909	0.176		0.358	3.555
Merged Events	6	4.3922	---	> -19.8		3.555

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:	72_1550.trc	Customer:	ADNOC
Test date:	14-Feb-24	Company:	PAN ARABIA
Test time:	2:54 PM	Fiber ID:	72
Cable ID:	FAR3 to FAR0 1A (B-A)		
Job ID:	0500831		
Comments:	END TO END TEST		

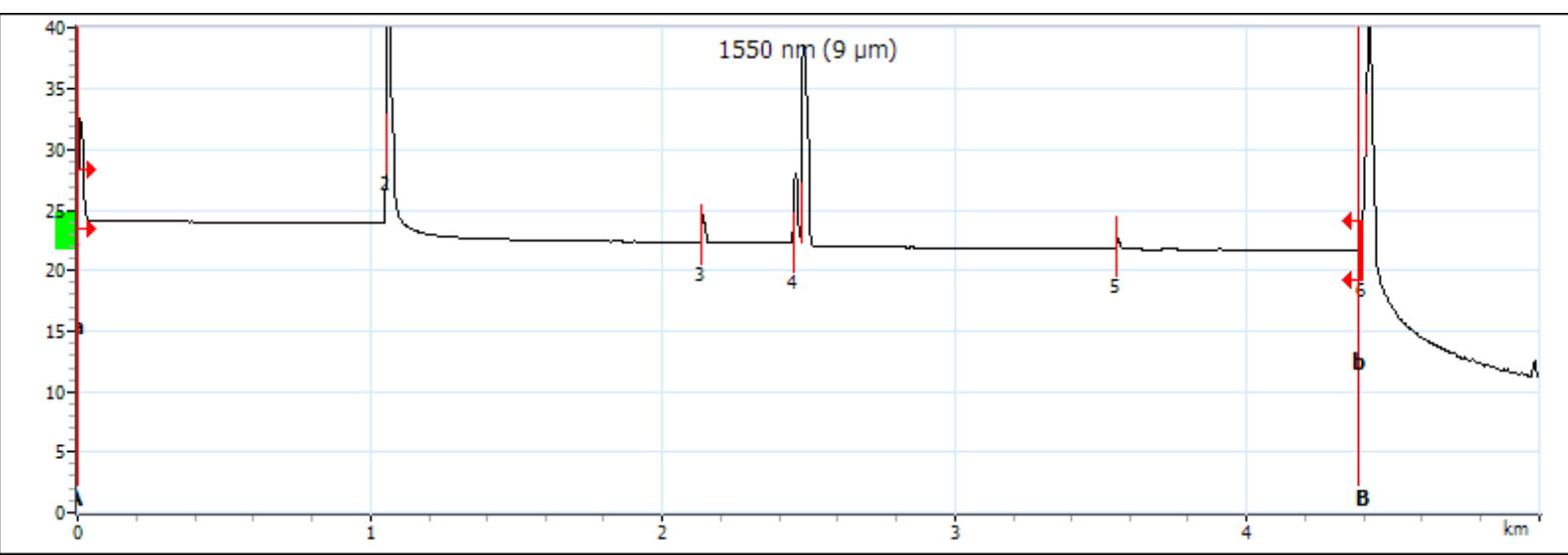
Locations

	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:	0.573 dB/km	Injection level:	24.1 dB
Span loss:	2.518 dB	Average splice loss:	---		
Span ORL:	<24.62 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)	A-B LSA attenuation:	0.749 dB/km	A-B average loss:	0.690 dB/km
a	0.0000	24.658	A-B LSA loss:	3.286 dB	4-point Event Loss:	2.148 dB
A	0.0000	24.658	A-B ORL:	<24.57 dB	Maximum reflectance:	> -25.5 dB
B	4.3846	21.633				
b	4.3846	21.633				

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		1.0547	0.201		0.191	0.201
Reflective	2	1.0547	1.116	> -25.1		1.317
Section		1.0802	0.542		0.502	1.860
Reflective (Possible Echo)	3	2.1349	-0.053	-58.4		1.807
Section		0.3120	0.044		0.143	1.851
Merged Events	4	2.4469	0.257	-28.9		2.109
Section		1.1096	0.261		0.235	2.369
Reflective (Possible Echo)	5	3.5564	-0.009	-64.5		2.360
Section		0.8358	0.158		0.189	2.518
Merged Events	6	4.3923	---	> -21.2		2.518

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		