

OTDR Report (1310 nm (9 μm))

General Information

| | | | |
|------------|--------------------------|-----------|------------|
| File name: | 20_1310.trc | Customer: | ADNOC |
| Test date: | 14-Feb-24 | Company: | PAN ARABIA |
| Test time: | 4:06 PM | Fiber ID: | 20 |
| Cable ID: | FAR5 to SS6A (C) B (A-B) | | |
| Job ID: | 0500831 | | |
| Comments: | END TO END TEST | | |

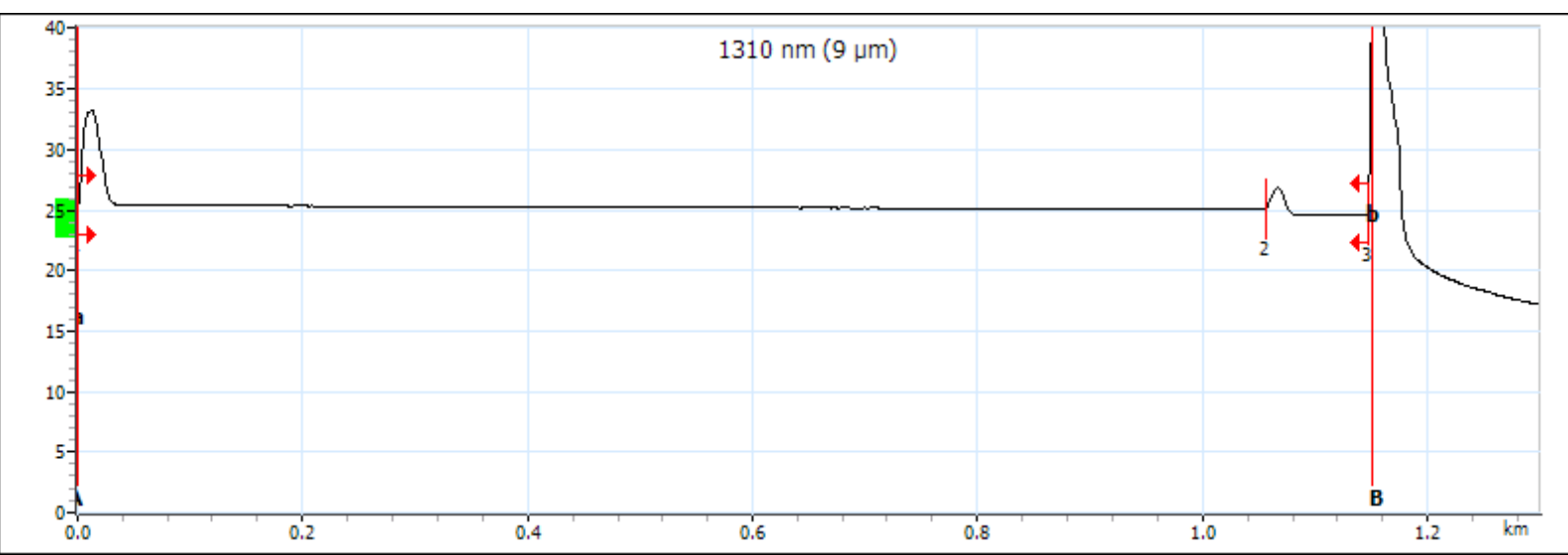
Locations

| | Location A | Location B |
|------------------|-------------------|------------|
| Location | FAR5 | SS6A |
| Operator | PANDA | HABEEB |
| Model | MAX-720C-Q1-EA-EI | |
| Serial number | 1206159 | |
| Calibration date | 29-Mar-23 (UTC) | |

Results

| | | | | | |
|--------------|-----------|----------------------|-------------|------------------|---------|
| Span length: | 1.1480 km | Average loss: | 0.739 dB/km | Injection level: | 25.4 dB |
| Span loss: | 0.849 dB | Average splice loss: | --- | | |
| Span ORL: | 39.47 dB | Maximum splice loss: | --- | | |

Graph



Markers

| Marker | Position (km) | Value (dB) | A-B LSA attenuation: | 0.950 dB/km | A-B average loss: | -7.345 dB/km |
|--------|---------------|------------|----------------------|-------------|----------------------|--------------|
| a | 0.0000 | 25.453 | A-B LSA loss: | 1.092 dB | 4-point Event Loss: | -8.851 dB |
| A | 0.0000 | 25.453 | A-B ORL: | 37.78 dB | Maximum reflectance: | -43.6 dB |
| B | 1.1502 | 33.901 | | | | |
| b | 1.1502 | 33.901 | | | | |

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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 | --- | -43.6 | | 0.000 |
| Section | | 1.0567 | 0.362 | | 0.343 | 0.362 |
| Reflective | 2 | 1.0567 | 0.446 | -58.1 | | 0.808 |
| Section | | 0.0913 | 0.040 | | 0.438 | 0.849 |
| Reflective | 3 | 1.1480 | --- | > -23.6 | | 0.849 |

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) | 1.3000 |
| 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: | 20_1550.trc | Customer: | ADNOC |
| Test date: | 14-Feb-24 | Company: | PAN ARABIA |
| Test time: | 4:06 PM | Fiber ID: | 20 |
| Cable ID: | FAR5 to SS6A (C) B (A-B) | | |
| Job ID: | 0500831 | | |
| Comments: | END TO END TEST | | |

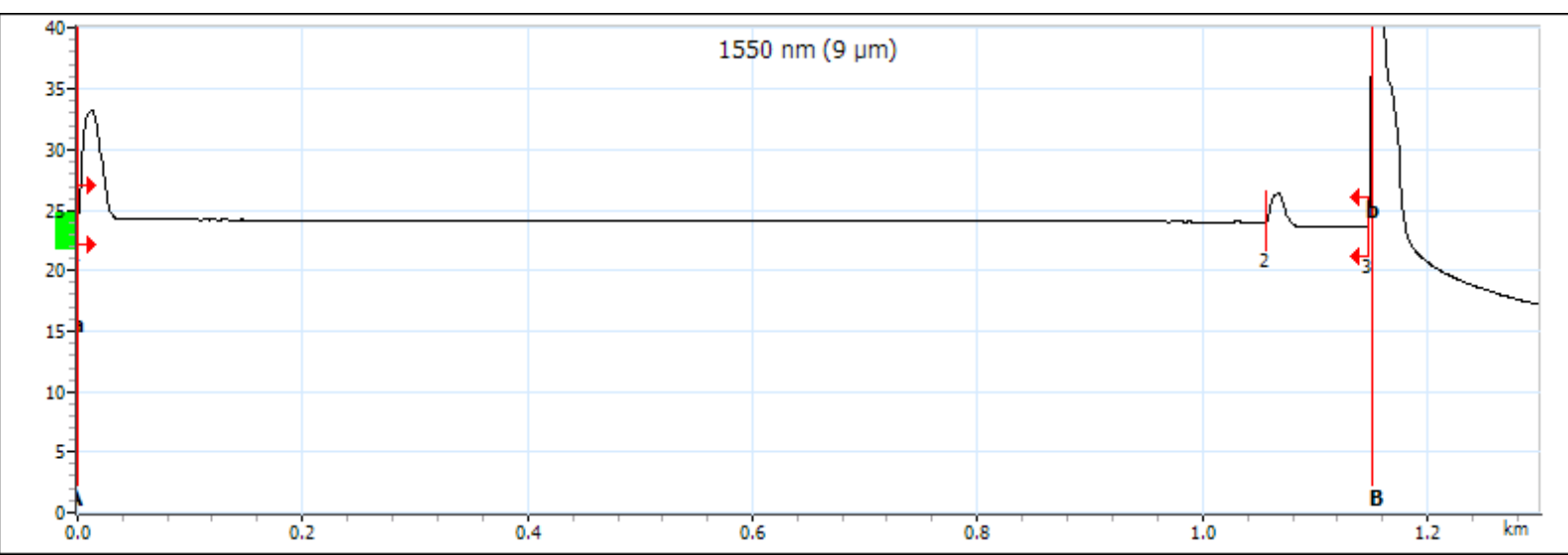
Locations

| | Location A | Location B |
|------------------|-------------------|------------|
| Location | FAR5 | SS6A |
| Operator | PANDA | HABEEB |
| Model | MAX-720C-Q1-EA-EI | |
| Serial number | 1206159 | |
| Calibration date | 29-Mar-23 (UTC) | |

Results

| | | | | | |
|--------------|-----------|----------------------|-------------|------------------|---------|
| Span length: | 1.1478 km | Average loss: | 0.525 dB/km | Injection level: | 24.2 dB |
| Span loss: | 0.602 dB | Average splice loss: | --- | | |
| Span ORL: | 41.68 dB | Maximum splice loss: | --- | | |

Graph



Markers

| Marker | Position (km) | Value (dB) | A-B LSA attenuation: | 0.846 dB/km | A-B average loss: | -8.274 dB/km |
|--------|---------------|------------|----------------------|-------------|----------------------|--------------|
| a | 0.0000 | 24.701 | A-B LSA loss: | 0.973 dB | 4-point Event Loss: | -9.747 dB |
| A | 0.0000 | 24.701 | A-B ORL: | 39.19 dB | Maximum reflectance: | -42.7 dB |
| B | 1.1502 | 34.218 | | | | |
| b | 1.1502 | 34.218 | | | | |

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 | --- | -43.7 | | 0.000 |
| Section | | 1.0569 | 0.201 | | 0.191 | 0.201 |
| Reflective | 2 | 1.0569 | 0.345 | -58.6 | | 0.547 |
| Section | | 0.0909 | 0.056 | | 0.613 | 0.602 |
| Reflective | 3 | 1.1478 | --- | > -24.0 | | 0.602 |

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) | 1.3000 |
| 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 | | |