

OTDR Report (1310 nm (9 μm))

General Information

| | | | |
|------------|-----------------------|-----------|------------|
| File name: | 58_1310.trc | Customer: | ADNOC |
| Test date: | 14-Feb-24 | Company: | PAN ARABIA |
| Test time: | 2:39 PM | Fiber ID: | 58 |
| Cable ID: | FAR3 to FAR0 1A (B-A) | | |
| Job ID: | 0500831 | | |
| Comments: | END TO END TEST | | |

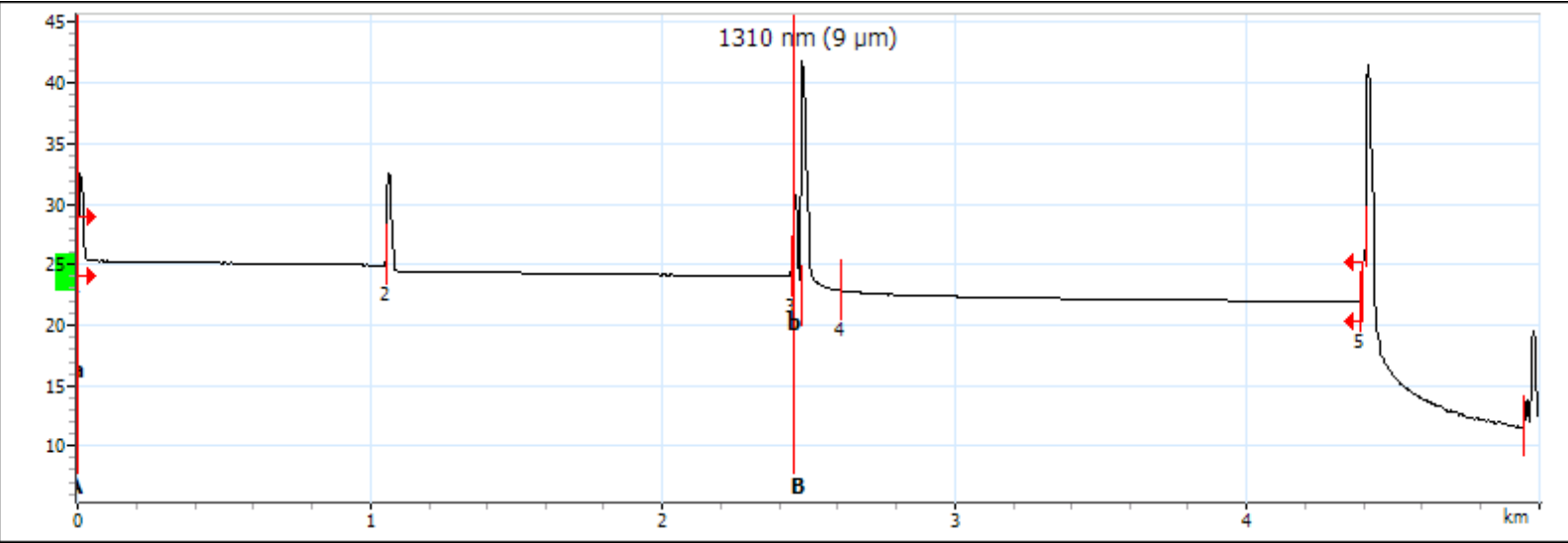
Locations

| | 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: | 4.3910 km | Average loss: | 0.972 dB/km | Injection level: | 25.3 dB |
| Span loss: | 4.267 dB | Average splice loss: | 0.520 dB | | |
| Span ORL: | <25.67 dB | Maximum splice loss: | 0.520 dB | | |

Graph



Markers

| Marker | Position (km) | Value (dB) |
|--------|---------------|------------|
| a | 0.0000 | 25.452 |
| A | 0.0000 | 25.452 |
| B | 2.4505 | 29.367 |
| b | 2.4505 | 29.367 |

| | | | |
|----------------------|-------------|----------------------|--------------|
| A-B LSA attenuation: | 0.753 dB/km | A-B average loss: | -1.598 dB/km |
| A-B LSA loss: | 1.845 dB | 4-point Event Loss: | -4.773 dB |
| A-B ORL: | 35.55 dB | Maximum reflectance: | -44.5 dB |

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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 | --- | -44.6 | | 0.000 |
| Section | | 1.0558 | 0.366 | | 0.347 | 0.366 |
| Reflective | 2 | 1.0558 | 0.472 | -43.7 | | 0.838 |
| Section | | 1.3890 | 0.470 | | 0.338 | 1.308 |
| Merged Events | 3 | 2.4447 | 0.841 | > -23.4 | | 2.148 |
| Section | | 0.1647 | 0.897 | | 5.446 | 3.045 |
| Non-Reflective | 4 | 2.6094 | 0.520 | | | 3.565 |
| Section | | 1.7815 | 0.701 | | 0.394 | 4.267 |
| Merged Events | 5 | 4.3910 | --- | > -19.9 | | 4.267 |
| Section | | 0.5579 | --- | | --- | --- |
| Reflective | | 4.9488 | --- | -56.3 | | --- |

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: | 58_1550.trc | Customer: | ADNOC |
| Test date: | 14-Feb-24 | Company: | PAN ARABIA |
| Test time: | 2:39 PM | Fiber ID: | 58 |
| Cable ID: | FAR3 to FAR0 1A (B-A) | | |
| Job ID: | 0500831 | | |
| Comments: | END TO END TEST | | |

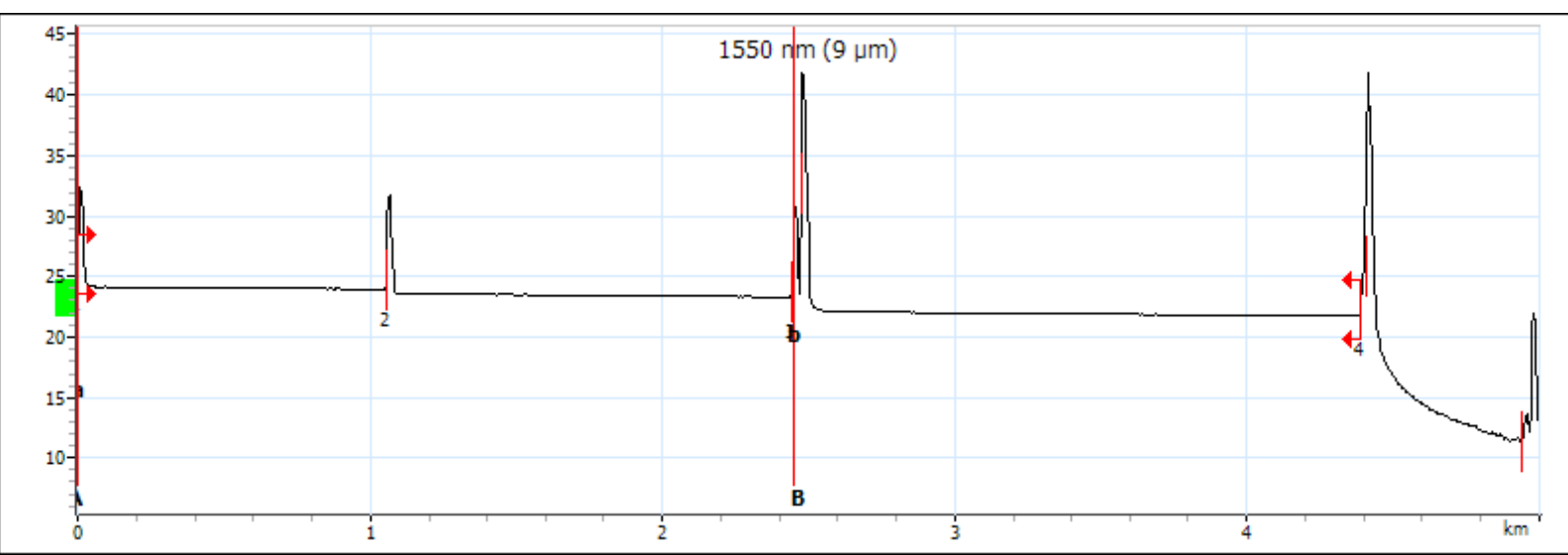
Locations

| | 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: | 4.3904 km | Average loss: | 0.557 dB/km | Injection level: | 24.1 dB |
| Span loss: | 2.446 dB | Average splice loss: | --- | | |
| Span ORL: | <25.85 dB | Maximum splice loss: | --- | | |

Graph



Markers

| Marker | Position (km) | Value (dB) | A-B LSA attenuation: | 0.570 dB/km | A-B average loss: | -1.893 dB/km |
|--------|---------------|------------|----------------------|-------------|----------------------|--------------|
| a | 0.0000 | 24.795 | A-B LSA loss: | 1.396 dB | 4-point Event Loss: | -5.128 dB |
| A | 0.0000 | 24.795 | A-B ORL: | 37.21 dB | Maximum reflectance: | -44.8 dB |
| B | 2.4505 | 29.433 | | | | |
| b | 2.4505 | 29.433 | | | | |

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 | --- | -44.8 | | 0.000 |
| Section | | 1.0560 | 0.200 | | 0.189 | 0.200 |
| Reflective | 2 | 1.0560 | 0.361 | -45.8 | | 0.560 |
| Section | | 1.3884 | 0.298 | | 0.214 | 0.858 |
| Merged Events | 3 | 2.4443 | 1.165 | > -24.3 | | 2.023 |
| Section | | 1.9460 | 0.423 | | 0.217 | 2.446 |
| Merged Events | 4 | 4.3904 | --- | > -21.2 | | 2.446 |
| Section | | 0.5519 | --- | | --- | --- |
| Reflective | | 4.9423 | --- | -40.0 | | --- |

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) | 5.0000 |
| 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 | | |