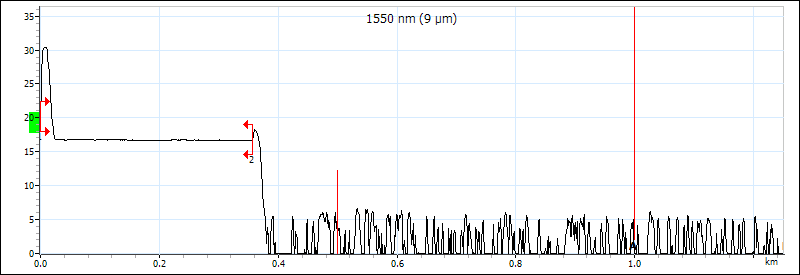
# General Information

File name: VADAFONE IDEA\_nagesh\_Fiber5\_SINGHSANDRA \_A-B\_1550\_100ns\_5s\_26-Apr-19 (UTC).trc

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test date:  Test time: | 02-Jan-24  2:28:48 PM | | Customer:  Company: | | | VADAFONE IDEA |
| Cable ID:  Job ID: Comments: |  | | Fiber ID: | | | Fiber5 |
| **Locations** |  | |  | | |  |
|  | | **Location A** | | **Location B** |  | | | |
| Location | | SINGHSANDRA | | BAN 844 | | | |
| Operator | | nagesh | |  |  | | | |
| Model | | MAX-715B-M1-EA | |  |
| Serial number | | 1234539 | |  |
| Calibration date | | 26-Apr-19 (UTC) | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Results** |  | | |
| Span length: | 0.2540km | Average loss: | 0.100 dB/km Injection level: 16.8 dB |
| Span loss: | 0.071 dB | Average splice loss: | --- |
| Span ORL: | 24.47 dB | Maximum splice loss: | --- |
| **Graph** |  |  |  |



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Markers** | |  | | | | |
|  | |  |  |  |  |  |
| **Marker** | **Position (km)** | **Value (dB)** | A-B LSA attenuation: | 3.840 dB/km | A-B average loss: | 0.000 dB/km |
| a | 0.4999 | 4.878 | A-B LSA loss: | 0.961 dB | 4-point Event Loss: | 1.842 dB |
| A | 1.0001 | 0.000 | A-B ORL: | 0.00 dB | Maximum reflectance: | -61.0 dB |
| B | 1.2502 | 0.000 |  |  |  |  |
| b | 1.2502 | 0.000 |  |  |  |  |
| **Event Table** | |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type** | **No.** | **Position**  **(km)** | **Loss**  **(dB)** | **Reflectance**  **(dB)** | **Cumulative**  **(dB)** |
| First Connector | 1 | 0.0000 | --- | -30.8 | 0.000 |
| Reflective | 2 | 0.2540 | --- | -41.8 | 0.071 |

# Macrobend

|  |  |
| --- | --- |
| **Position (km)** | **Delta Loss (dB)** |
|  |  |

**Pass/Fail Thresholds**

|  |  |
| --- | --- |
|  | **1550 nm (9 µm)** |
| Splice loss (dB) | 0.300 |
| Connector loss (dB) | 0.750 |
| Splitter loss (dB) | 4.500 |
| Reflectance (dB) | -40.0 |
| Fiber section attenuation (dB/km) | 0.400 |
| Span loss (dB) | 20.000 |
| Span length (km) | 0.0000 |
| Span ORL (dB) | 15.00 |

# Test Parameters

|  |  |
| --- | --- |
|  | **A → B** |
| Wavelength (nm) | 1550 nm (9 µm) |
| Range (km) | 1.2500 |
| 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 |