



Ministry of
Transportation
and Infrastructure

ELECTRICAL AND TRAFFIC ENGINEERING MANUAL

Appendix 600.6

Example Fibre Test Report

EXAMPLE FIBRE TEST REPORT

OTDR Report

General Information

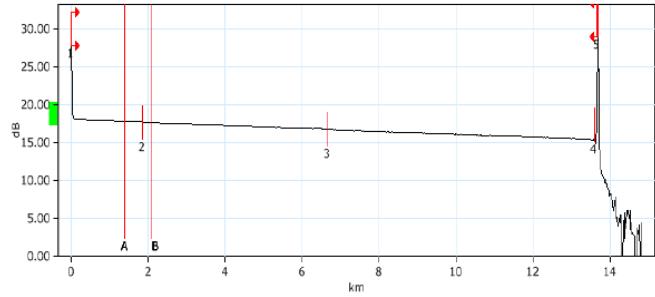
Filename: FIBER001.trc Cable ID: MOTI
 Test date: 01/01/2018 Fiber ID: FIBER001
 Test time: 12:00 PM (GMT-08:00) Customer:
 Job ID: MOTI Company: Fibre company
 Comments:

Location A

Location: Location A
 Operator:
 Unit's model: FTB-7200D-023B-EI
 Unit's s/n: 123456
 Calibration date: 01/01/2018

Location B

Location: Location B
 Operator:
 Unit's model:
 Unit's s/n:
 Calibration date:



Results

Span length: 13.6711 km Average splice loss: 0.077 dB
 Span loss: 3.246 dB Maximum splice loss: 0.077 dB
 Average loss: 0.237 dB/km Span ORL: < 19.90 dB

Test Parameters

Wavelength: 1550 nm (9 µm) Duration: 15 s
 Range: 15.0000 km High resolution: No
 Pulse: 100 ns Resolution: 1.263 m

Test Settings

IOR: 1.468325 Splice loss threshold: 0.020 dB
 Backscatter: -81.87 dB Reflectance threshold: -72.0 dB
 Helix factor: 1.05 % End-of-fiber threshold: 5.000 dB

Markers Information

A: 1.3839 km, 17.889 dB B: 2.0784 km, 17.636 dB
 a: 0.6920 km, 17.948 dB b: 2.7703 km, 17.510 dB
 B-A: 0.6945 km, 0.250 dB

Manual Measurements

4 points event loss: 0.092 dB A-B LSA attenuation: 0.330 dB/km
 A-B LSA loss: 0.229 dB 3 points reflectance: *****
 2 points section attenuation: 0.364 dB/km A-B ORL: 43.77 dB

Event Table

Type	No	Location/Length (km)	Loss (dB)	Reflection (dB)	Attenuation (dB / km)	Cumul. (dB)
Launch Level	1	0.0000		-26.0		0.000
Section		1.8574	0.354		0.191	0.354
Non-Reflective	2	1.8574	0.077			0.431
Section		4.7969	0.874		0.182	1.305
Non-Reflective	3	6.6543	0.077			1.382
Section		6.9372	1.275		0.184	2.657
Reflective	4	13.5915	0.581	-53.9		3.238
Section		0.0795	0.008		0.100	3.246
Reflective	5	13.6711		-14.3		3.246



Signature: _____

Date: 01/01/2018

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