

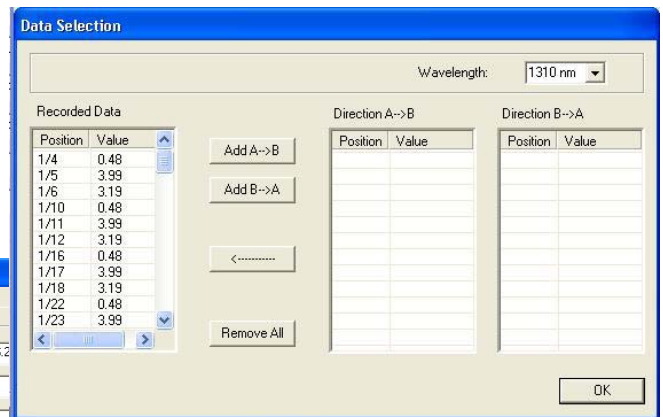
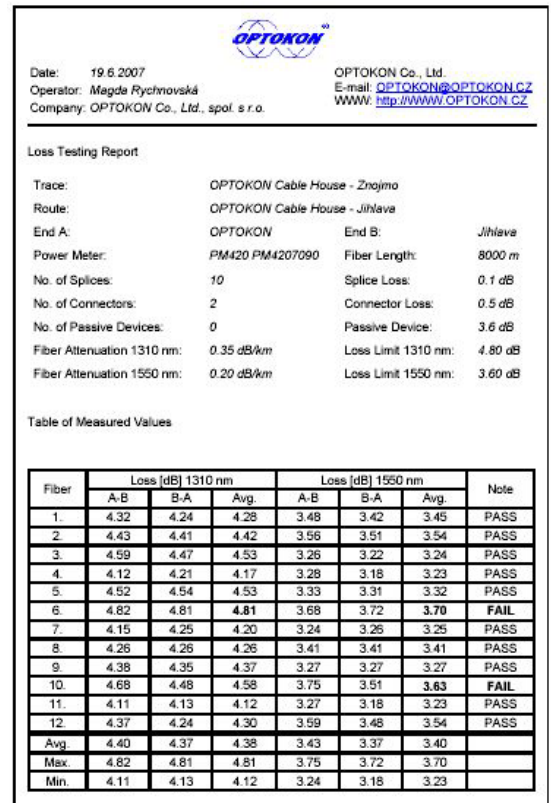
SmartProtocol PC Software

Description:

The SmartProtocol software is a flexible solution for data capture, analysis and reporting of fiber optic loss. It is optimized for OPTOKON Optical Testers.

Features:

- Data recording from internal memory (for example PM420 Power Meter) or TXT file
- Creating of Test protocols from recorded data
- Recording Instrument serial numbers
- Reports can be imported or saved in TXT format for compatibility with other applications (Word, Excel).
- Pass / Fail assessment
- High productivity
- Easy language or report customisation
- Detailed heading
- Simply operating and editing of protocols

Loss Testing Report

Date: 19.6.2007
Operator: Magda Rychnovská
Company: OPTOKON Co., Ltd., spol. s r.o.

OPTOKON Co., Ltd.
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Trace: OPTOKON Cable House - Znojmo
Route: OPTOKON Cable House - Jihlava
End A: OPTOKON End B: Jihlava
Power Meter: PM420 PM4207090 Fiber Length: 8000 m
No. of Splices: 10 Splice Loss: 0.1 dB
No. of Connectors: 2 Connector Loss: 0.5 dB
No. of Passive Devices: 0 Passive Device: 3.6 dB
Fiber Attenuation 1310 nm: 0.35 dB/km Loss Limit 1310 nm: 4.80 dB
Fiber Attenuation 1550 nm: 0.20 dB/km Loss Limit 1550 nm: 3.60 dB

Table of Measured Values

Fiber	Loss [dB] 1310 nm			Loss [dB] 1550 nm			Note
	A-B	B-A	Avg.	A-B	B-A	Avg.	
1.	4.32	4.24	4.28	3.48	3.42	3.45	PASS
2.	4.43	4.41	4.42	3.56	3.51	3.54	PASS
3.	4.59	4.47	4.53	3.26	3.22	3.24	PASS
4.	4.12	4.21	4.17	3.28	3.18	3.23	PASS
5.	4.52	4.54	4.53	3.33	3.31	3.32	PASS
6.	4.82	4.81	4.81	3.68	3.72	3.70	FAIL
7.	4.15	4.25	4.20	3.24	3.26	3.25	PASS
8.	4.26	4.26	4.26	3.41	3.41	3.41	PASS
9.	4.38	4.35	4.37	3.27	3.27	3.27	PASS
10.	4.68	4.48	4.58	3.75	3.51	3.63	FAIL
11.	4.11	4.13	4.12	3.27	3.18	3.23	PASS
12.	4.37	4.24	4.30	3.59	3.48	3.54	PASS
Avg.	4.40	4.37	4.38	3.43	3.37	3.40	
Max.	4.82	4.81	4.81	3.75	3.72	3.70	
Min.	4.11	4.13	4.12	3.24	3.18	3.23	



Application:

- Optical networks measurements
- Creating test protocols
- Downloading data from Power meter