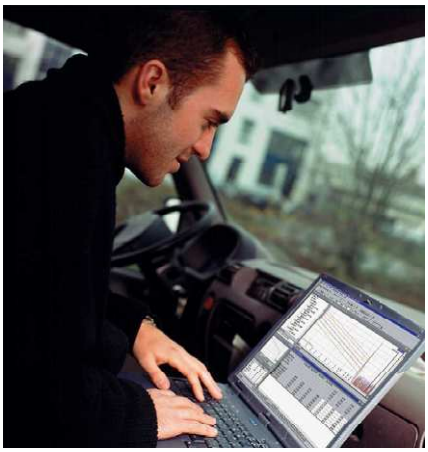
Agilent E6092A Toolkit III Software for OTDR Trace Analysis and Fiber Optic Cable Acceptance Test Documentation

Technical Specifications



The Agilent E6092A OTDR Toolkit III is the ultimate OTDR companion, an indispensable PC software solution for extreme productivity improvement for all fiber optic cable installers, fiber network operators and service providers.

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Agilent E6092A Toolkit III

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Installers will use the Toolkit III software for fast and efficient acceptance test report generation on very high fiber count cables (864 fibers). Intelligent bi-directional data post processing reduces documentation time from hours to minutes. The software allows customized acceptance test reports including project information, measurement data in table and graph views to be batch-printed. An EXCEL® export provides all measured connector and splice values, which are clearly organized by splice boxes and distances. Reduced size reports showing failed splices by location, give clear re-work instructions for splice crews.

Network operators & Service Providers can use the Toolkit III software for transparent fiber cable project management, accurate OTDR trace analysis and fast data post-processing. Powerful filter functions allow the user to quickly find and load OTDR traces not only by their measurement parameters, such as wavelength and pulse width settings, but also by measurement direction. The filter function can be set to find and load OTDR traces, which exceed the acceptance test pass/fail test criteria.

Test instruments such as Rack-OTDRs, the Mini-OTDR or the Modular Network Tester series can be controlled remotely and measured data displayed and post-processed locally.

The software is compatible with Bellcore/Telcordia GR-196/SR4731 based OTDR files. In addition the software will open & read several OTDR trace formats from other OTDR vendors and will correct incompatibilities with Bellcore/Telcordia file formats.

Features

- Desktop viewing of OTDR trace data in a Windows® environment
- Intuitive marker and zoom function
- Project creation wizard, automatic trace assignment and trace loading filters create complete documentation of high fiber count cable within minutes
- Data post-processing results export to Microsoft Excel®
- Analysis of splices, connectors and fiber attenuation
- Automatic splice box naming and adding
- Automated Bi-directional measurement analysis including two-way-averaging and bending detection
- Scan trace and pass/fail test
- Comparisons of multiple traces simultaneously adjusts refractive index and back scatter coefficient
- "Process multiple traces" capability to allow templating of traces after measurement
- Customized event table compiles acceptance reports and work orders for re-splicing and repair
- Comprehensive context sensitive online help
- Remote control via RS232 of E6000 Series Mini OTDR, E605x, E606X Rack OTDR and N3900A Modular Network Tester

Documentation Examples

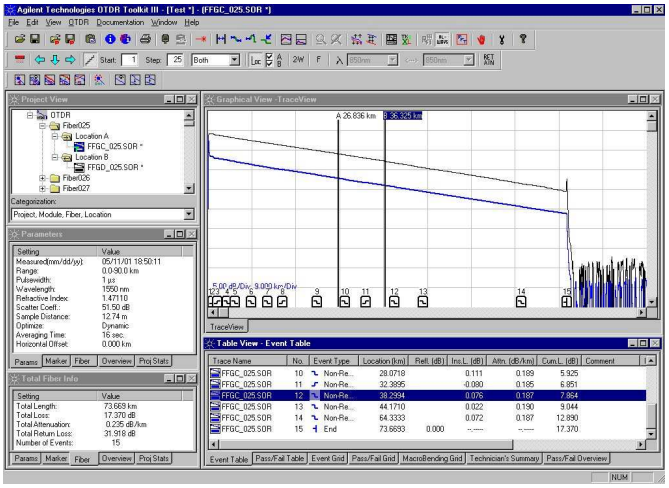

Figure 1: The Toolkit III desktop view provides all needed information such as OTDR traces including event tables, pass/fail table, measurement parameters, fiber parameters, project information etc.

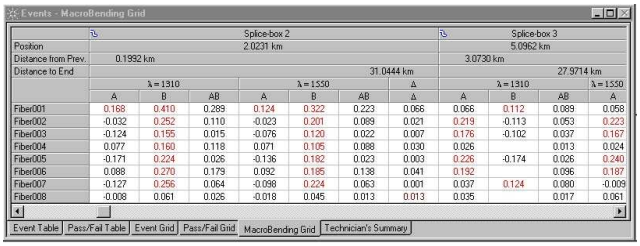

Figure 2: The Bending Grid Table provides all measured splice parameters (A & B direction, Two-Way-Average, bending loss) organized by splice box and fiber number.

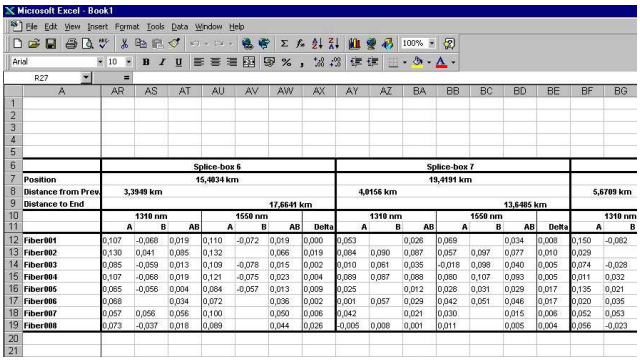

Figure 3: The Bending Grid Table and among others can be exported into Microsoft EXCEL® format.

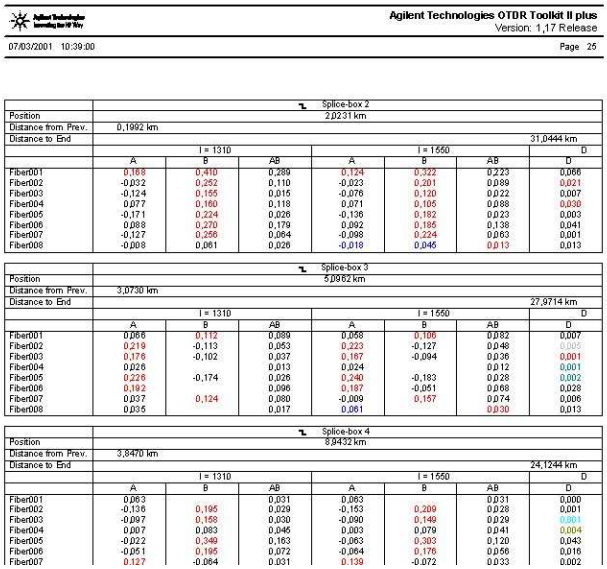

Figure 4: Customized acceptance test report including tabular and/or graphic views.

Specifications

Compatibility

- Compatible with E6000 series Mini OTDR and N3900A Modular Network Tester up to 64k data points.

- **Trace format**: Bellcore/Telcordia compliant according to GR-196-CORE Issue 2 OTDR Data Standard.
  –GR 196, Revision 1.0
  –GR 196, Revision 1.1
  –GR 196, Revision 2.0 (SR-4731)

- Toolkit III can read most of Acterna, ANDO, Anritsu, EXFO, and Nettest "Belcore/Telcordia compliant" OTDR trace formats. However Agilent can not guarantee accurate analysis values for these traces.

Minimum system requirements

- 486 DX PC with at least 16 MB of RAM Windows 95/98/2000/ME/XP® or Windows NT® 4.0 operating system
- MS Internet Explorer 4.0 or higher (for Help screens)

Accessories Supplied

- Toolkit III Software CD (Available in English, French, German Spanish, Portuguese and Chinese. For other languages please contact your Agilent representative)
- Manual and Programming Guide
- RS 232 cable
- Compact® Flash Card Reader to connect to PC/USB port
- Free Toolkit III trace viewer

Figure 5: Toolkit III content: Manual, RS 232 cable for remote control, short reference card and CD with software

Figure 6: SanDisk® Image Mate adapter for fast data exchange of high number of OTDR trace files between E6000C Mini OTDR and N3900A Modular Network Tester.

Related Products:

N3980A Compact® Flash Card 192MB
N3900A Modular Network Tester with N391X OTDR Modules
E6000C Mini OTDR Series
E605X, 6X Rack-OTDR Series

Further Information:

Download a free Toolkit III trace viewer for product evaluation from WWW.OTDR.COM.

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