FastReporter 2

DATA POST-PROCESSING SOFTWARE

EXFO Connect
Compatible

Consolidated data management and post-processing tool designed to increase the reporting productivity for connector endface inspection and all types of optical-layer testing: optical link mapper (iOLM), OTDR, ORL, loss, PMD and chromatic dispersion (CD).

KEY FEATURES

Intuitive graphical user interface (GUI)

Live templating for OTDR testing

Powerful batch processing

Bidirectional batch analysis for iOLM (patent-pending) and OTDR

Automatic tool for duplicated measurement verification

Live field reporting (FTB-1, FTB-2, FTB-2 Pro)

OTDR and iOLM loopback reporting

EXFO Connect (EC) integration

EXFO

ONE SOFTWARE DOES IT ALL

From handheld loss, ORL, OTDR and iOLM testing to advanced optical characterization—including PMD and CD—the analysis of fiber-optic T&M data presents various challenges:

Editing multiple measurement files

Analyzing multiple measurement files

Documenting your network
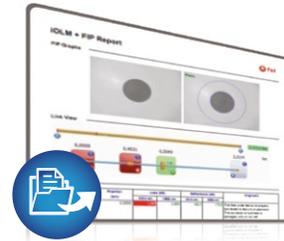
EXFO's FastReporter 2 software package provides you with the post-processing tools and functionalities you need to meet such challenges, whatever the application. Designed for off-line analysis of field-acquired data, FastReporter 2 offers a user-friendly environment, which contributes to boosting productivity.

Being able to rely on a single software to manage data and generate reports for all your optical-layer test applications is your solution to true time efficiency and high productivity.

EXFO|Connect

FastReporter 2
EFFICIENT POST-PROCESSING SOFTWARE

POST-PROCESSING
> Editing
> Analyzing
> Documenting

TESTING

Server

Deployment managers

Network engineers

Field technicians managers

Data analyst

Network operating center (NOC)

EXFO|Connect

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CHALLENGE NO. 1 | EDITING MULTIPLE MEASUREMENT FILES

Your benefit: faster job completion, and faster transition to the next job

Measurements gathered in the field often require extra processing in order to perform proper analysis, establish accurate diagnoses, and ultimately document the network appropriately. FastReporter 2 includes a series of powerful tools that automate repetitive operations on numerous files and measurements. With a single application, you can process an unlimited number of files and combine single operations into batch operations that apply to all the files.

Batch documenting

› Document an entire project/cable

› Manage separate measurements simultaneously

Batch uniformization

› Adjust cable and fiber parameters

› Add/remove OTDR events

› Adjust detection thresholds

› Perform manual measurements on OTDR files

› Set pass/fail thresholds

Zoom

Add/Remove

Markers

Manual

Manual Measurement
4 points event loss   0.304 dB
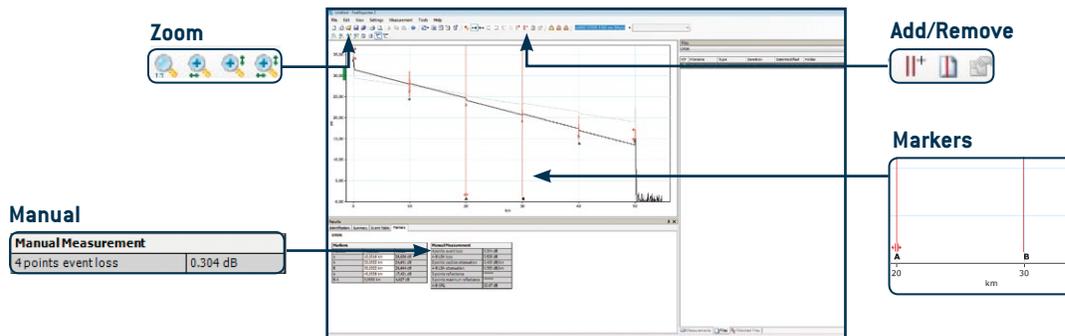
User-friendly interface

› Windows-based functions

› Customizable view

› Dual-monitor display

Copy
Outside Spans
Markers
Invert B->A dB Axis
100 %
Auto Zoom Level 1
Auto Zoom Level 2
Selected Event from File
Manual Zoom from File

Select Same Pass/Fail Status
Select Same Fiber
Select Same Type
Select Same Date
Analyze...

Delete
View
Set as Span Start
Set as Span End
Add to Other Measurements...
Properties...
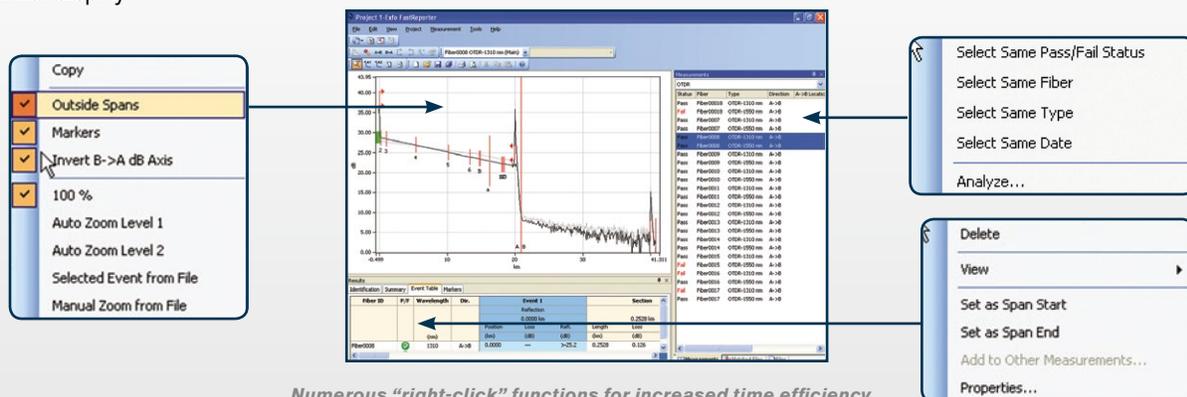
Numerous "right-click" functions for increased time efficiency.

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CHALLENGE NO. 2 | ANALYZING MULTIPLE MEASUREMENT FILES

Your benefit: fast diagnosis with minimal risk of error

Reviewing hundreds of measurements gathered in the field can take several hours if you do not have the right solution. FastReporter 2's interface can be configured according to your preferences to facilitate the interpretation of results. Furthermore, it provides specialized tools to speed up results analysis and minimize the risk of misinterpretation.

Specialized analysis tool to:

› Perform OTDR bidirectional batch analysis

› Detect duplicated measurements

› Easily identify results that don't meet network requirements

› Get combined results from multiple wavelengths in multiple directions and consult them in a single, easy-to-read iOLM-style format, thanks to the iOLM bidirectional feature (patent-pending)

› iOLM cable, fiber and element views for faster analysis and diagnostics

› Apply new configurations (in batch) to ConnectorMax2 results
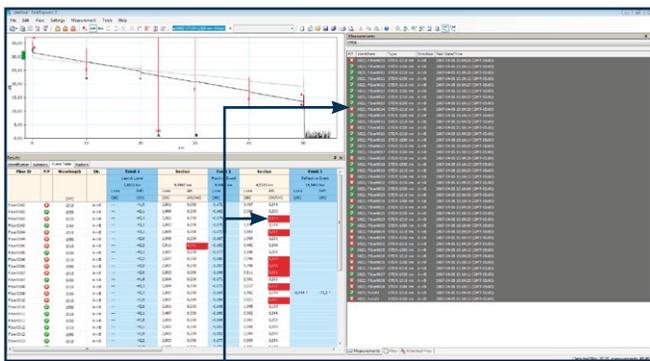
Failed events/fibers vs. set thresholds

Use two monitors: one for data, one for graphics
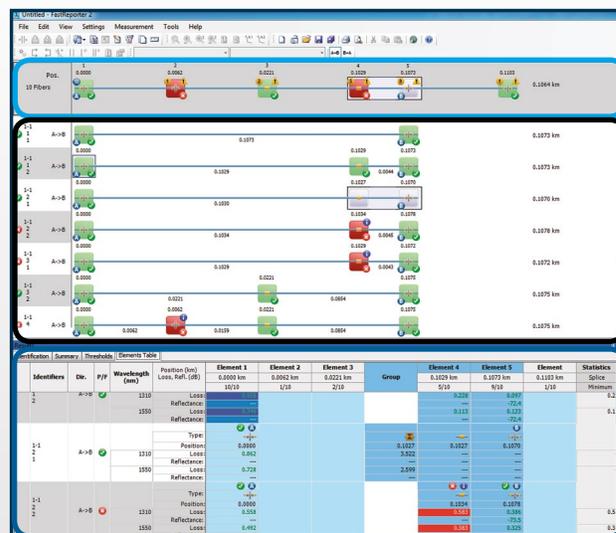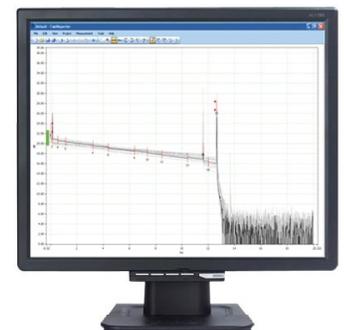
Cable View

Fiber View

Element Table

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CHALLENGE
NO. 3 | DOCUMENTING YOUR NETWORK

Your benefit: testing investment protection

Although network test documentation contributes to the planning of network capacity expansion, it is mostly referred to when a problem occurs. Specifically, proper documentation helps technicians fix issues by providing them with a quick "picture" of the network, minimizing the time to problem resolution. FastReporter 2 offers advanced reporting capabilities that help preserve the value of the tests performed—with minimal time and financial investment.

Flexibility

› Various report templates

› Report customization via Excel or Crystal Reports

› Combined reports such as:

  › Fiber characterization (CD, PMD, OTDR and OLTS)

  › OTDR and fiber inspection (FIP)

  › iOLM and fiber inspection (FIP)

› Various report formats (PDF, Excel, HTML)

› Use FastReporter 2 while performing acquisitions for faster data analysis and report generation—directly on-site*
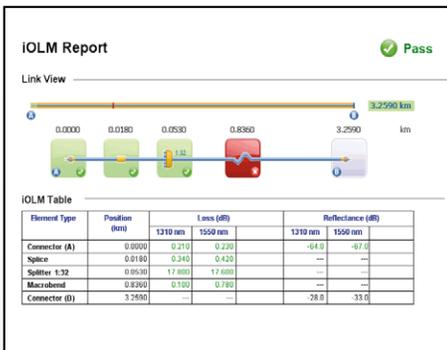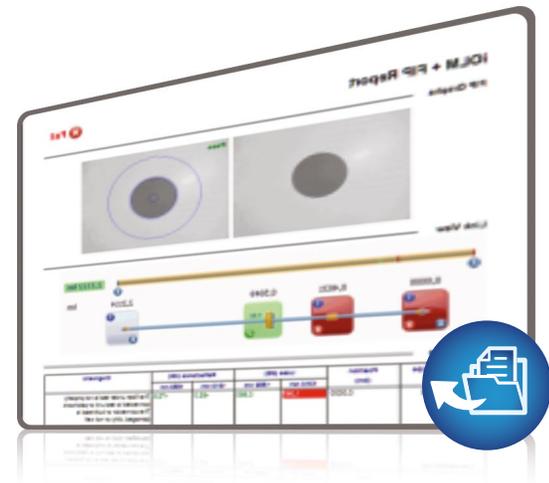
iOLM report

Fiber characterization report
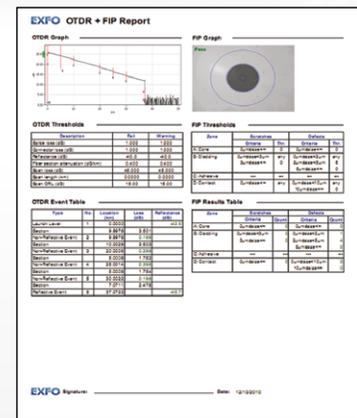
OTDR and FIP report

* Available on the FTB-1 Platform

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EXFO CONNECT (EC) INTEGRATION

The direct connection between FastReporter 2 and EXFO Connect greatly facilitate measurement audits between two parties, enabling them to close their jobs faster.

Directly from FastReporter 2, users are able to filter the results present in EXFO Connect and easily open or check out the results in FastReporter 2 to perform extra precessing, such as bidirectional OTDR or iOLM analysis.

REAL-TIME REMOTE POST-PROCESSING WHILE THE TECHNICIAN IS STILL ON-SITE

Another user case possible with the integration is the capability to perform real-time data processing while the technician is still in the field and available to adjust the test sequence or fix issues that could only have been identified back at the office during post-processing.

Two technicians could easily bidirectionally test a fiber with an OTDR, and upload all the results to EC in real time. At the same time, an engineer back at the office could be viewing the results live as they are generated in EXFO Connect, giving the team the option to perform extra analysis as and when needed.
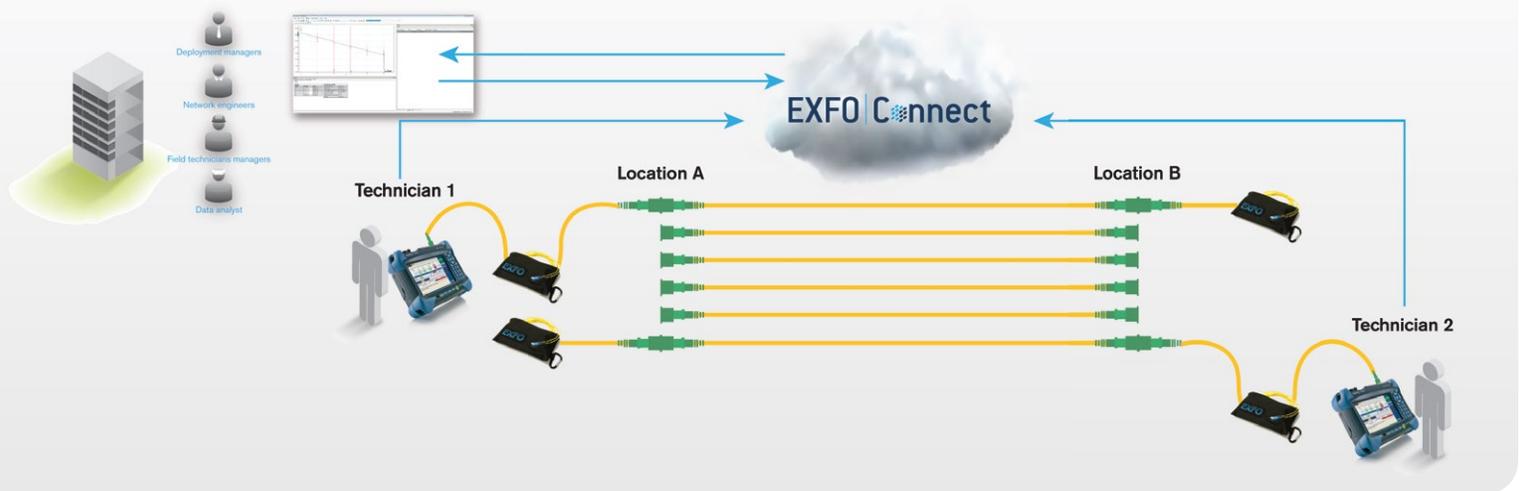
OPTION

OTDR and iOLM Loopback Mode

In applications such as fiber-to-the-antenna (FTTA), distributed antenna systems (DAS), point-to-point (medium range) and in-building fiber cabling, a loopback measurement can be performed to test Rx/Tx fibers of duplex cables simultaneously. Once a loop fiber is connected between both fibers, an iOLM measurement is taken. FastReporter 2 processes the iOLM loopback measurements and assesses each fiber separately, allowing the user to generate a clear pass/fail for each fiber, in less time than it would have taken with standard testing methods.
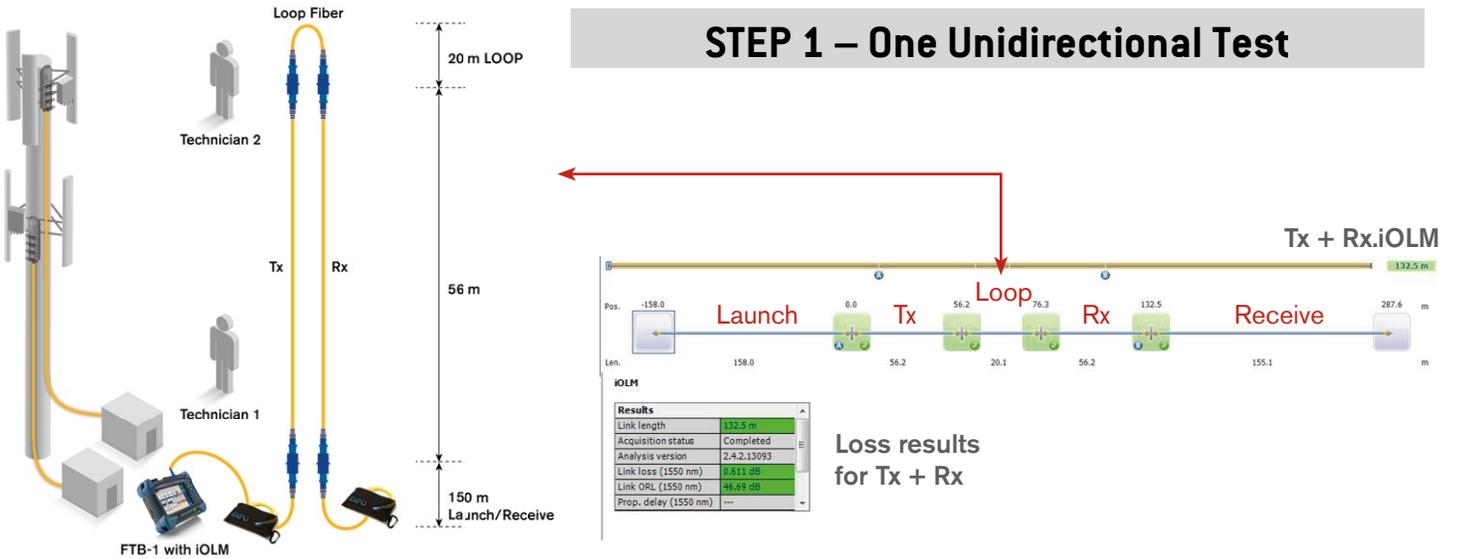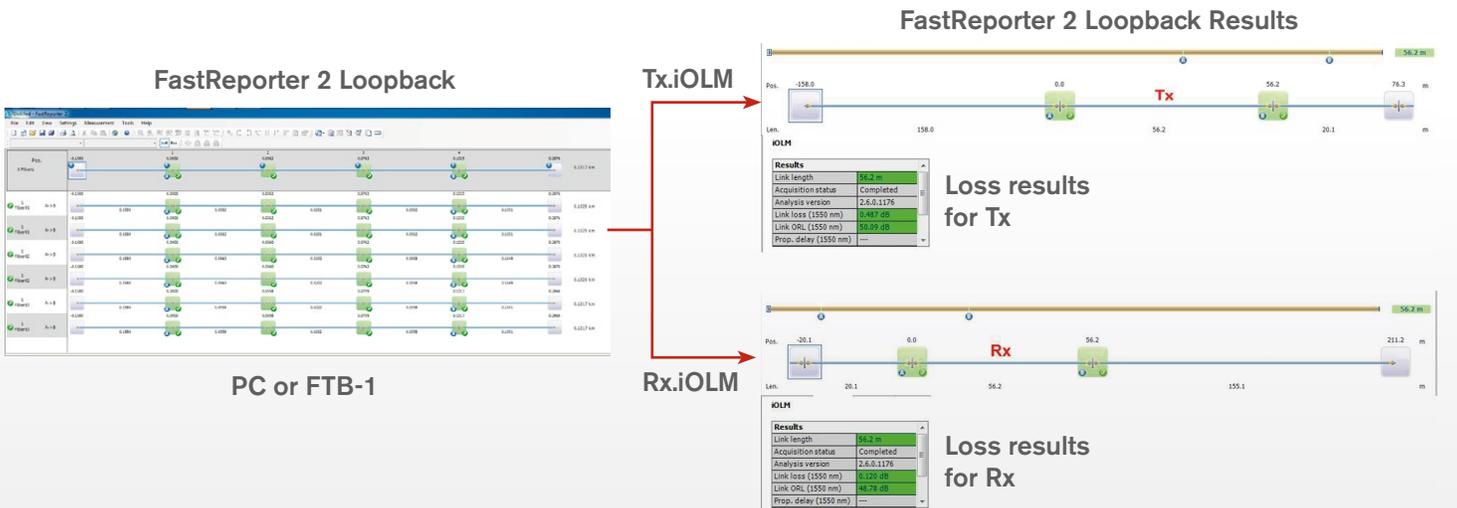
Loopback mode also allows users to process OTDR or iOLM loop measurements unidirectionally and bidirectionally.

SUPPORTED MEASUREMENTS

Loss (IL) and optical return loss (ORL), including FasTesT™ (OLTS) function

Optical time-domain reflectometer (OTDR)

Intelligent Optical Link Mapper (iOLM)

Polarization mode dispersion (PMD)

Chromatic dispersion (CD)

Fiber inspection probe (FIP) with ConnectorMax2 Analysis Software

PON power meter (PPM)

SYSTEM REQUIREMENTS

System Element	Minimum Requirement (Windows 7, 32 bit)	Minimum Requirement (Windows 7, 64 bit)	Minimum Requirement (Windows 8)	Minimum Requirement (Windows 10)
Processor	Pentium (1.6 GHz or higher recommended)	Pentium (1.6 GHz or higher recommended)	Pentium (1 GHz with support for PAN, NX and SSE2)	1 GHz
RAM	1 GB (4 GB recommended)	2 GB (4 GB recommended)	1 GB (32 bit) or 2 GB (64 bit) (4 GB recommended)	
Disk space	400 MB		16 GB (32 bit) or 20 GB (64 bit)	
Monitor	One super VGA (800 X 600) monitor (two 1024 X 768 monitors recommended)		Microsoft DirectX 9 graphics device with WDDM driver	
Other requirements	Network adapter Microsoft Internet Explorer version 8.0 or later Microsoft Office 2007 or later to open .xls files			

ORDERING INFORMATION

FR2-XX

Model

FR2-FC = Fiber Characterization package
FR2-FC-KIT = Fiber Characterization package purchased in kit with selected optical test products [a]
FR2-FC-PL = Fiber Characterization package for FTB-1 platform
FR2-FC-LB = Fiber Characterization package with loopback option
FR2-FC-KIT-LB = Fiber Characterization package with loopback option (when purchased in a kit with selected optical test products)
FR2-LB-PL = Loopback option for FTB-1 platform [b]
FR2-DG = FastReporter 2 software key on USB dongle (includes Fiber Characterization package and loopback option) [a]

Notes

a. See your EXFO local sales representative for details.
b. FR2-FC-PL is required to use this option.

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In case of discrepancy, the web version takes precedence over any printed literature.

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