



FTTA Software Option

**For T-BERD[®]/MTS-2000, -4000 V2, -5800,
SmartOTDR, CellAdvisor 5G and OneAdvisor-
800 Platforms**

User Manual

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OneAdvisor-800 Platforms**

User Manual



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This product, and the batteries used to power the product, should not be disposed of as unsorted municipal waste and should be collected separately and disposed of according to your national regulations.

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If you have questions concerning disposal of your equipment or batteries, contact VIAVI's WEEE Program Management team at WEEE.EMEA@VIAVISolutions.com.

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For information on the presence of REACH SVHCs in VIAVI products, see the Hazardous Substance Control section of VIAVI's Standards and Policies web page.

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About This Guide

The VIAVI equipments provide handheld, modular platforms designed for the construction, validation and maintenance of fiber networks.

The topics discussed in this chapter are as follows:

- [“Purpose and scope” on page x](#)
- [“Assumptions” on page x](#)
- [“Technical assistance” on page x](#)
- [“Recycling Information” on page x](#)
- [“Conventions” on page x](#)

Purpose and scope

The purpose of this guide is to help you successfully use the equipment features and capabilities. This guide includes task-based instructions that describe how to configure, use, and troubleshoot the equipment with OTDR module.

Assumptions

We are assuming that you have basic computer and mouse/track ball experience and are familiar with basic telecommunication and fiber optic concepts and terminology.

Technical assistance

If you require technical assistance, call 1-844-GO-VIAVI. For the latest TAC information, go to <http://www.viavisolutions.com/en/services-and-support/support/technical-assistance>.

Recycling Information

VIAVI recommends that customers dispose of their instruments and peripherals in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products components, and/or materials.



Waste Electrical and electronic Equipment (WEEE) Directive

In the European Union, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

Conventions

This guide uses naming conventions and symbols, as described in the following tables.

Table 1 Typographical conventions

Description	Example
User interface actions appear in this typeface .	On the Status bar, click Start .
Buttons or switches that you press on a unit appear in this TYPEFACE .	Press the ON switch
Code and output messages appear in this <code>typeface</code> .	All results okay
Text you must type exactly as shown appears in this <code>typeface</code> .	Type: a:\set.exe in the dialog box
Variables appear in this <i>typeface</i> .	Type the new <i>hostname</i> .
Book references appear in this <i>typeface</i> .	Refer to <i>Newton's Telecom Dictionary</i>
A vertical bar means "or": only one option can appear in a single command.	platform [a b e]
Square brackets [] indicate an optional argument.	login [platform name]
Slanted brackets < > group required arguments.	<password>

Table 2 Keyboard and menu conventions

Description	Example
A plus sign + indicates simultaneous keystrokes.	Press Ctrl+s
A comma indicates consecutive key strokes.	Press Alt+f,s
A slanted bracket indicates choosing a submenu from menu.	On the menu bar, click Start > Program Files .

Table 3 Symbol conventions



This symbol represents a general hazard.

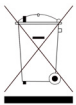


This symbol represents a risk of electrical shock.



NOTE

This symbol represents a Note indicating related information or tip.



This symbol, located on the equipment or its packaging indicates that the equipment must not be disposed of in a land-fill site or as municipal waste, and should be disposed of according to your national regulations.

Table 4 Safety definitions



WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

FTTA Principle and Configuration

This chapter describes the principle of the FTTA network (Fiber To The Antenna) and how to configure the test for this network.

The topics discussed in this chapter are as follows:

- “Principle of FTTA” on page 2
- “Configuring the Reflectometry test for FTTA network” on page 4
- “Configuration file” on page 16

**NOTE**

Patented, as described at www.viavisolutions.com/patents.

Principle of FTTA

FTTA-SLM is an OTDR software application that is delivered as an option of the OTDR module (see references in the ordering information section), and is installed onto the mainframe as a license key (see the 2000/4000 V2 base-unit user manual for the instructions on license files installation).

FTTA-SLM simplifies OTDR testing for cell-tower technicians and eliminates complexities of result interpretation.

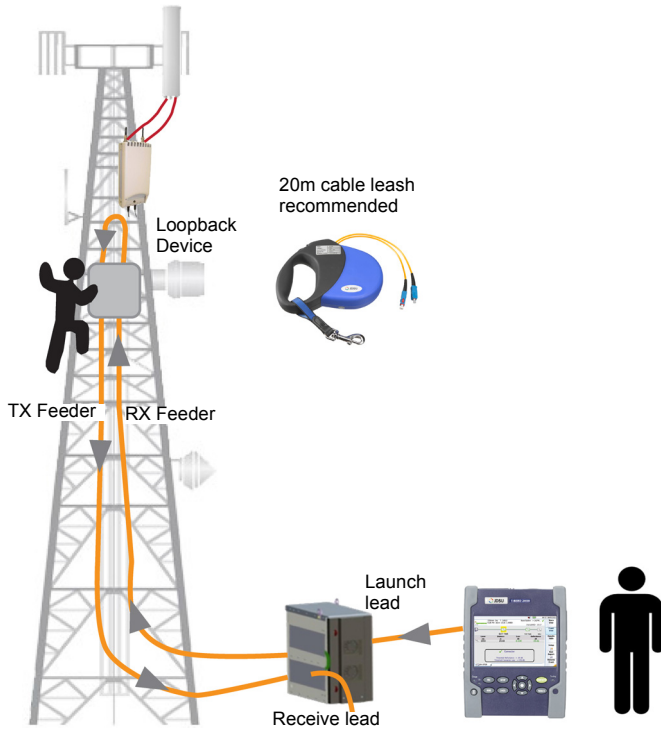
In a FTTA environment, the OTDR module, associated with the FTTA-SLM application, allows to:

- Characterize and measure the fiber link loss, measure the loss and reflectance of each passive element, and provide the position for each one: **Acceptance Testing**
- Locate and identify causes of failure on a fiber link: **Troubleshooting / Maintenance**.

Acceptance Testing

One way to judge installation quality is to use a loopback device (a retractible/expandable fiber leash cable or a patchcord) on duplex fiber to test at the junction box or RRU location and shoot with an OTDR from the BBU or fiber-patch panel location to qualify the entire fiber channel.

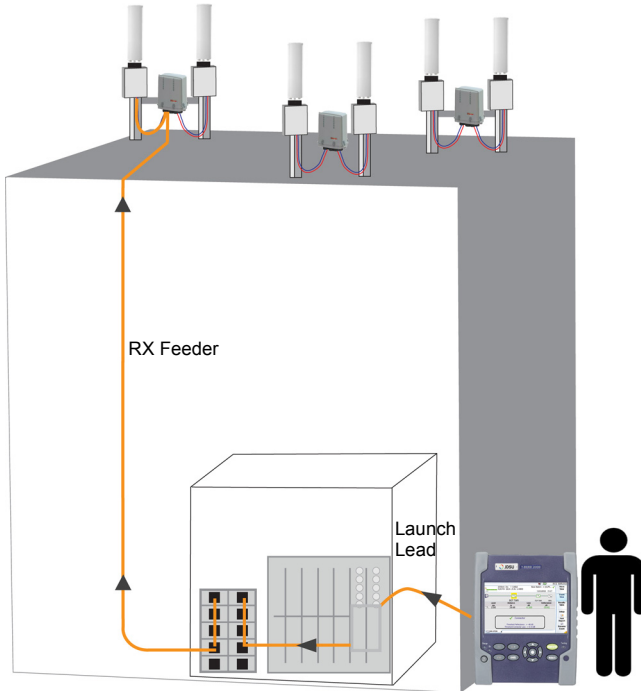
Figure 1 Acceptance Testing



Troubleshooting Testing


An OTDR from the BBU or fiber patch panel location will troubleshoot the fiber link up to the RRU/RRH. Before performing the OTDR measurement, make sure that the fiber being tested has no signal and the equipment is shut down.

Figure 2 Troubleshooting Testing



Configuring the Reflectometry test for FTTA network

Once the OTDR module is set into the equipment, and the FTTA-SLM license installed:

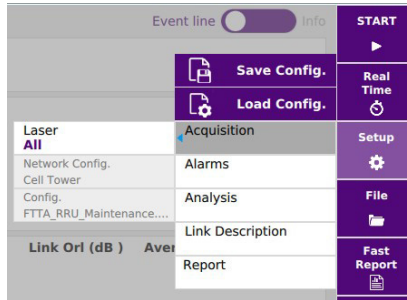
- 1 Select the FTTA-OTDR icon .
The results page automatically displays.
- 2 Press **SETUP** menu key to display the OTDR configuration screen for FTTA network.

FTTA setup

In the first screen, configure the following parameters:

Acquisition

Figure 3 Setup Acquisition



Laser

The acquisition will be carried out on the wavelength(s) selected (for multiple-wavelength modules). In case of a multi-wavelength module, select **All** to perform a measurement for all the wavelengths available (this parameter visible exclusively on modules with one single OTDR port). The possible values depend on the module used.

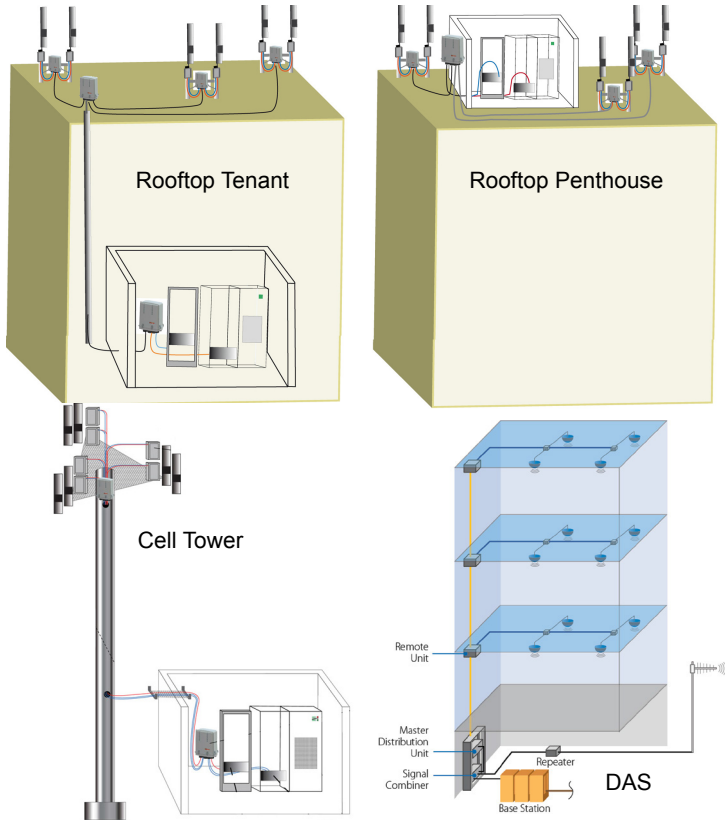
Network Config.¹

This parameter is used to identify the network type:

Cell Tower	Typical macro cell tower topology
Rooftop Tenant	Rooftop topology
Rooftop Penthouse	Rooftop topology
Das	Distributed Antenna System

1.Active exclusively if the License «FTTA Extended» is installed

Figure 4 Network configurations



Config.

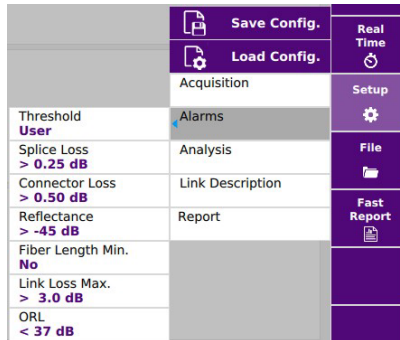
This parameter displays the configuration file selected for acquisition, and cannot be modified unless a new configuration file is loaded. To modify the configuration file to be used:

- 1 Click on **Load Config.** menu key
- 2 Select the file in the Explorer.

Alarms parameters

Press the **Alarm** menu key to configure the alarm thresholds for the FTTA OTDR measurement.

Figure 5 Alarms parameters



Threshold

- **None** The alarm function is not active.
- **User** Define your own thresholds values for one or several elements: Splice Loss / Connector Loss / Reflectance / Fiber Length Min / Link Loss Max / ORL
- **TIA-568 3 / TIA-568 3.RL35 / ISO/IEC 11801 2010 / ISO/IEC 14763-3 2014 or 2019 / IEC 61280-4-5 (2020) / Default**


Select one of this parameter to configure the alarm thresholds with predefined values:


Table 1 Alarm Thresholds

	Splice Loss	Connector loss	Slope	Reflectance	ORL
Default	> 0.20 dB	> 0.50 dB	> 1.00 dB/km	> - 35 dB	< 27 dB

Table 1 Alarm Thresholds

	Splice Loss	Connector loss	Slope	Reflectance	ORL	
TIA-568.3	> 0.30 dB	> 0.75 dB	> 1.00 dB/km	No	No	
TIA-568.3 RL35		> 0.75 dB	> 1.00 dB/km	> - 35 dB		
ISO/IEC 11801 (2010)		> 0.50 dB	> 0.40 dB/km	> - 35 dB		
ISO/IEC 14763-3 (2014)				No	No	
ISO/IEC 14763-3 (2019)			> 0.75 dB	> 0.40 dB/km	> - 35 dB	No
IEC 61280-4-5 (2020)					> - 35 dB	No








If results are above the thresholds, they will be highlighted in red in the table of results, and the icon  will be displayed at the top right of the screen.

If all the results lie within the thresholds (no result is in red), results are displayed in green in the table and the icon is .

Analysis parameters

Press the **Analysis** menu key.

Figure 6 Analysis parameters

	 Save Config.	 Real Time
	 Load Config.	 Stop
	Acquisition	Setup
	Alarms	 Settings
BBU Jumper Yes	Analysis	File
RRU Jumper Yes	Link Description	 Folder
Mode Construction	Report	Fast Report
Loopback Cable No		 Print
Launch Cable End Event 1		
Receive Cable Start No		

This screen allows to configure the network:

BBU Jumper

Test from the patchcord that will be plugged into BBU.
(not applicable for DAS networks)

RRU Jumper

Test from the patchcord that will be plugged into RRU.
(not applicable for DAS networks)

Mode


Select the kind of acquisition to be performed:

- **Construction** Select this mode to perform the OTDR acquisition in the case of an Acceptance Testing (see [“Acceptance Testing” on page 2](#)).
- **Maintenance** Select this mode to perform the OTDR acquisition in the case of Troubleshooting (see [“Troubleshooting Testing” on page 3](#)).

Loopback Cable

Select if a loopback cable is used (parameter available exclusively in **Construction** mode).

Launch Cable / Receive Cable (not available in Maintenance mode)

- No** All the results are displayed and referenced on the basis of the board of the module.
- Evt 1, 2, 3** The results relating to the launch cable are eliminated from the table. Attenuation and distances are then measured on the basis of the marker Evt 1, 2 or 3 selected.
- Length** Press the **Length** selection a second time to display a keyboard. Enter the desired length value or measure the cable length using the  key.

Link Description parameters

In the **Setup** menu, press **Link Description**.

Figure 7 Link Description parameters

	Save Config.	Real Time
	Load Config.	
Base Station Id Station_ID	Acquisition	Setup
RRU Id RRU_Id	Alarms	Settings
Fiber Code 1-C1	Analysis	File
Change Fiber Nbr Increment	Link Description	Fast Report
Distance Unit km	Report	
Technician Id		
Job Id		
Comment >		

The information entered in the **Link Description** window concerns the editing and/or the modifications of the cable and fiber parameters. When a trace is recalled without recall of the configuration, the parameters of this trace will be present only in its signature.

Base Station Id or Headend Id (in case of DAS)

If known, enter the name of the Base Station using the edition keypad, displayed pressing the right arrow key.



NOTE

The name of Location A entered in ExpertOTDR configuration is displayed by default in this parameter (see OTDR User Manual).

RRU Id or Remote End Id (in case of DAS)

If known, enter the name of the RRU/RRH (Remote Radio Unit / Head) using the edition keypad, displayed pressing the right arrow key.



NOTE

The name of Location B entered in ExpertOTDR configuration is displayed by default in this parameter (see OTDR User Manual).

Fiber Code

Example of fiber code in:

- Construction mode (with loopback): from **1-Rx_1-Tx** to **24-Rx_24-Tx**
- Maintenance mode: from **1-Rx** to **24-Rx**

Change Fiber Nbr

Select if the fiber number must be automatically **Incremented** or **Decrement**ed at each new file save.

- Increment** the fiber number is automatically incremented at each new file-save.
Decrement the fiber number is automatically decremented at each new file-save
User defined Use **Edit Number** softkey to enter the increment/decrement value for fiber number.

Note: to decrement the number, enter the sign «-» before the number.

Example: -1.

Min: -999 / Max: 999 / Auto: 0

- No** the Fiber number must not automatically modified

Distance unit

Select the unit to be used for distance (**km / kfeet / miles / meter / feet**).

Technician Id

Touch to enter the name of the operator carrying out the measurement.

Job Id

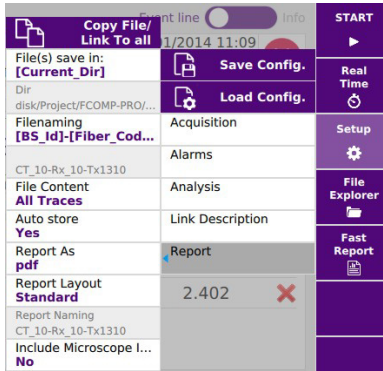
Touch to enter a description of the measurement to be performed.

Comment

Touch to enter a specific comment to the project..

Report parameters

Figure 8 Report parameters



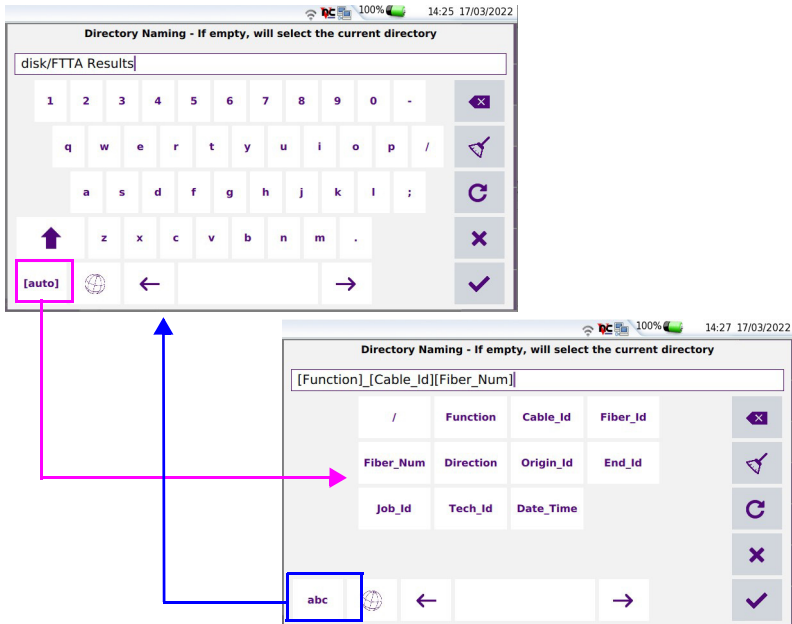
File(s) save in


Click on the text box to display the edition keypad and enter the directory where the measurement results and files will be stored.

In the onscreen keyboard, select the [Auto] pre-defined fields (previously set in the File menu) or, press **abc** key to manually enter a directory name and path. Then, press **Enter** to validate.


Example: disk/FTTA/Test

Figure 9 Directory - Edition keypad



Click on  or leave the box empty to select the Current Directory for file saving.

Press  to validate.

Press  to modify the keyboard language: English / French / German

Dir

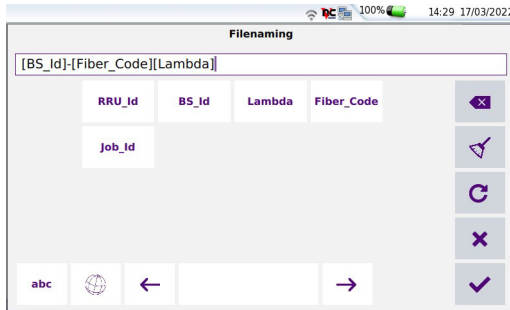
This parameter cannot be configured, and display the directory selected/created by default into which the file(s) will be saved.


Filenaming

Select **Filenaming** parameter and click on the text box to modify the file name convention.

Use the onscreen keyboard to view and select the [Auto] pre-defined fields (previously set in the File menu) or, press **abc** key to enter a name manually for the file. Then, press **Enter** to validate.


Figure 10 Filenaming - Edition keypad (auto)



Click on  to apply the default file name:

[Fiber_Code]_[Lambda]

Press  to validate.

Press  to modify the keyboard language: English / French / German

The expected file name is displayed in grey under **Filenaming** parameter

File Content

In this parameter, select the file content for traces saving:

One Trace each traces saved as a separate file (.sor extension).

All Traces all traces are saved in one single file (.msor extension).

One and All Traces
this option combines the two previous ones.

Auto Store

Select **Yes** to store automatically the trace or traces resulting from each acquisition according to the filenaming rules.

Select **Confirm if alarm = Fail** to display a confirmation dialog box if a value exceeds alarm thresholds, and to be able to choose to save or not the trace.
If no alarm is detected on trace, it is automatically stored.

Report As

Select the report format to be generated:

- txt file** select **Yes** to generate a txt file of the results.
- pdf file** select **Yes** to generate a report in a pdf file.
- json file** select **Yes** to generate json file(s) compatible with VIAVI test process automation (job manager and StrataSync cloud data management system).

If all parameters are defined with **No**, only the .sor (or .msor) file will be saved.


Report Layout

This parameter allows to define the report page setting and is available exclusively if a **pdf file** has been defined in the **Report As** parameter.:

- Standard** in multi-traces display, one pdf report page is generated for each trace.
- Consolidated** in multi-traces display, one pdf report page is generated for all traces

Report naming

If **Consolidated** is defined for **Report Layout**, select **Report naming** parameter and click on the text box to modify the name of the report file for the result trace.

In the onscreen keyboard, enter a name manually for the file and press  to validate.

If no name is entered, the report name by default applies: `Report_SM/MM-OTDR`.

Include Microscope Image

In the pdf report, an inspection scope image can be integrated. Select Yes to include the scope test result image into the report.

Configuration file

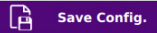
A pre-defined configuration, containing all the setup parameters from FTTA, can be loaded from the setup menu, or the current configuration can be saved in a file.

Saving FTTA configuration in a file

Once all the setup parameters are configured, they can be saved in a configuration file.

This configuration file can then be recalled for future tests.

To save parameters in a configuration file:

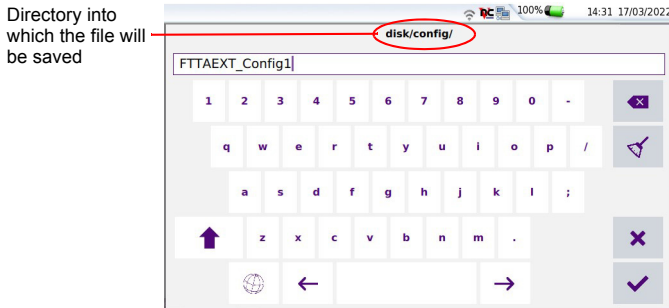
- 1 In the Setup menu, press menu key . The onscreen keyboard displays
- 2 Enter a name for the configuration file.





NOTE

Configuration file is saved by default in the directory `disk/config`.


Figure 11 Save Configuration file - Edition keypad



- 3 Press  to validate
The configuration file is saved with the extension `.fo_cfg` (icon ) and can be recalled at any time from the **File** page.

Loading a configuration file FTTA

To load a configuration file previously created and apply parameters to new FTTA tests:

- 1 If necessary, press **Setup** to return to **Setup** menu.
- 2 Press menu key  **Load Config.**
- 3 Select the configuration file in the wished directory.
- 4 Press **Load as FTTA Config.** menu key.

You can modify some acquisition or file storage parameters, and save them in a new configuration file (see “Saving FTTA configuration in a file” on page 16).

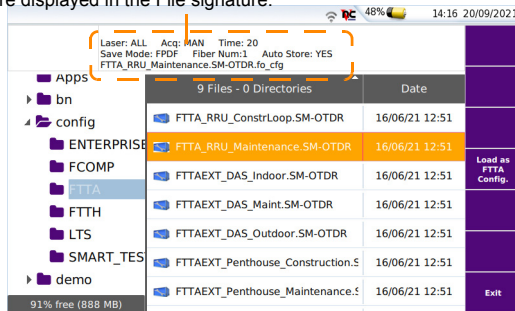


NOTE

Most of the configuration files are available into the equipment, in `disk/config/FTTA`.

Figure 12 Loading a configuration file

The main parameters available in the selected configuration file are displayed in the File signature.



FTTA Acquisition and Results

This chapter describes the FTTA acquisition and the results displayed..

The topics discussed in this chapter are as follows:

- “Launching the acquisition” on page 20
- “Results page” on page 22

**NOTE**

Patented, as described at www.viavisolutions.com/patents.

Launching the acquisition



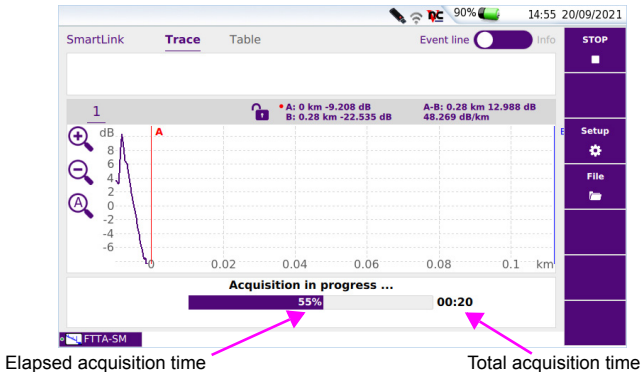
Inspect & clean all fiber connections prior connecting fiber cables into the ports (patch panels, OLT or ONT...).

- 1 Press **Start** key to launch measurement.
 The red **Test** indicator goes on to show that the equipment is in process of acquisition and the screen displays the trace in process of acquisition.
- 2 The quality of the connection is displayed for a few seconds.

	Connection Bad Good
State	Connection
Good	The connection is OK
Bad	<ul style="list-style-type: none"> • There are several connectors close to the external connector of the equipment • One of the connectors is dirty or badly connected. Replace the launch cable, make the connection again properly or clean the connector of the OTDR or of the jumper. • No fiber is connected.

- 3 Then, a bar graph shows elapsed and remaining acquisition time.

Figure 13 Acquisition in progress



At the end of the acquisition, a beep is emitted, the trace is displayed and an automatic measurement is started.

Traffic detection

Traffic on the fiber under test is automatically detected and reported.

Press the **START** key to begin the measurement. A message indicates there is traffic on the fiber and asks you if you wish to continue or not:

- If you click on **No**, the measurement is not launched.
- If you click on **YES**, the measurement is performed, despite the traffic.



NOTE

If the measurement is validated despite the traffic (key **Yes**), the next measurement will be automatically performed, even if traffic is still detected on fiber.

If the measurement is canceled (key **NO**), and the **START/STOP** pushed another time, the box asking if you wish to continue or not is displayed.

The functioning of Traffic Detection is then indicated in the scaled down representation of trace, on the upper left part of screen.

Acquisition with several lasers

If the module possesses several lasers, to perform successive acquisitions on all the wavelengths:

- 1 In the **SETUP** menu, check in **Laser** line, that several lasers are selected or select **All**.
- 2 Start the acquisition by pressing the **START/STOP** button.
- 3 Once the acquisition for the first wavelength is finished, the acquisition for the following wavelength starts automatically.

or

To stop manually the acquisition for current wavelength, click on **Stop**. This allows to automatically start the measurement for the following wavelength.

A beep is emitted once the acquisitions on all lasers are completed.

The different traces appear in the same window and can be managed as traces in overlay (see OTDR User Manual).

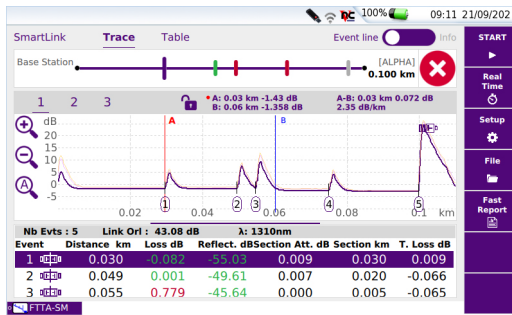
Results page

The trace(s) acquired or recalled from a memory is/are displayed on the Results page.

Trace View

The Trace view is displayed by default once OTDR acquisition is completed.

Figure 14 FTTA OTDR Trace



Press **Setup** key to display the **Setup** menu and modify the parameters before launching a new acquisition.


- On the upper right side, the alarm icon is displayed (if some alarm thresholds are defined in the pre-loaded configuration file).

Table 2 Alarms display

	Fail	Indicates that at least one result exceeds the alarm thresholds defined in the configuration file used for acquisition Results are displayed in red in table.
	Valid	Indicates that all the results lie within the thresholds (no result in red/yellow) Results are displayed in green in the table.

Functions on Trace View

Display of events on the trace

Each event detected is referenced under the trace by a serial number. The reflectometry trace is displayed with a dotted vertical line set on the start of launch cable  (if the **Launch Cable End** parameter is defined in the **SETUP** menu)

The trace can also be displayed with a dotted vertical line on the end of fiber .

The icon  is displayed on trace if the **Receive Cable Start** parameter has been defined in the Setup menu.

The results of the measurements of attenuation, reflectance and slope can be marked on the trace.

The reflectance of a ghost event is displayed in brackets on the trace.

Criteria for display of an event

An event will be displayed if its attenuation or its reflectance exceeds the corresponding threshold selected in the **Setup** menu (see "[Configuring the Reflectometry test for FTTA network](#)" page 4). Attenuation and reflectance results for an event will be displayed if they can be calculated.

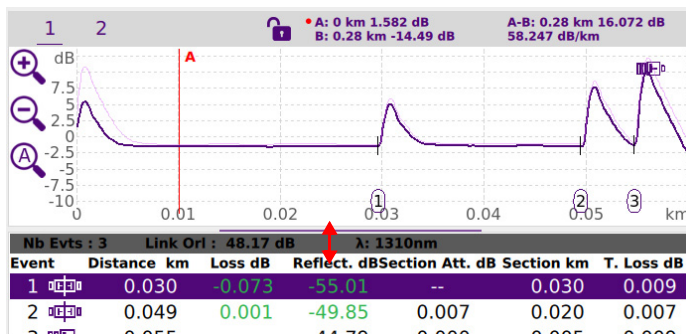
The reflectance of an event is always measured except when the event causes a saturated Fresnel peak or if it is drowned out by noise. In this case, the equipment displays > to show that the actual reflectance exceeds the value displayed.

Results table

Under the trace is displayed the results table with all the events detected during acquisition.

The line corresponding to the event nearest to the cursor is highlighted in purple. This highlighting moves if the cursor is moved.












To reduce or enlarge the size of the results table, click and maintain the bar between trace and table and move downward or upward.
















At the top of the table, a line shows the generic parameters of the fiber: numbers of events present, total ORL of the link and the wavelength of the active trace in case of multi wavelengths acquisitions.

Each event is referenced under the trace by a number which is repeated in the first column of the table. The table then shows:

- icon symbolizing the type of the event:

	Receive cable Start
	Launch cable End: the attenuation and distances are measured on the basis of the corresponding marker.
	Non-reflective attenuation (e.g. splice).
	Splitter
	Mux/Demux
	Reflective event. (e.g. connector)
	Ghost reflection
	Slope of the fiber (when no fault follows the slope)
	End of fiber
	Front connector
	Bend

	Bend on OTDR Connector
	Unbalanced Coupler
ORL	Manual ORL Measurement
	Front OTDR device
	Front Splitter 1N
	Front Splitter 2N
	Front Splitter N1
	Front Splitter N1
	Front PON first fiber
	Front bend splitter down
	Front bend splitter up
	Front expanded beam connector
	Unbalanced splitter
	Front clustered splitter

The event underlined in purple is the one the nearest of the cursor set on trace. To visualize an event, click on this event on the table to set the cursor on it onto the trace.

The following columns are then displayed next to each event icon:

Distance	The distance of the event from the beginning of the fiber, in meters (or miles)
Loss	The attenuation due to the event, in dB
Reflect.	The reflectance of the event, in dB
Section Attenuation	The attenuation of the section

Section	The length of the section = the distance between the marker of the event and the previous marker.
T. Loss	The total attenuation of the fiber (total loss), in dB

Cursors

The cursors A and B are represented by vertical lines of different colors:

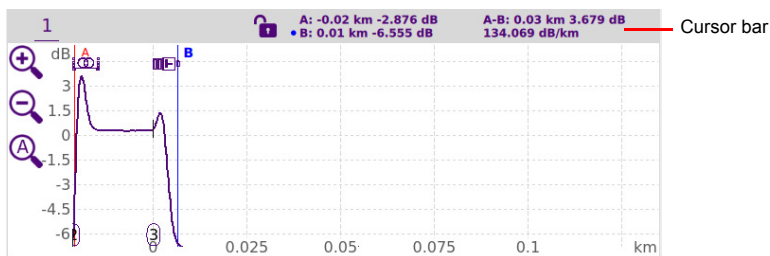
- The A cursor line is displayed in red
- The B cursor line is displayed in blue.

The Cursor position is displayed just above the trace: the active cursor is represented with a red/blue point in the cursor bar.

- 1 Touch the screen on the required location on trace where the active cursor must be set.

Above the trace is shown the 2-points loss measurement between the two cursors, together with the distance between the two cursors.

Figure 15 Cursors information



Click on the **Lock** icon in order to select both cursors and move it at the same time on the trace, keeping the current space between them:





Zoom function


The Zoom function is used to analyze part of the trace in greater detail.

The zoom is centered on the active cursor.

The position of the section of trace displayed with respect to the complete trace is represented by a rectangle on the mini-trace at the top left-hand corner of the screen, if the **Info** bar is selected.



Click as many times as necessary on the Zoom key  or  to zoom in or out on the trace.

Click on the **Automatic Zoom** key  to swap from an automatic zoom to full trace and vice-versa

Specific functions of the zoom with a touchscreen

With the touchscreen:

- maintain your finger pressed on screen and shift the traces horizontally or vertically.
- position your finger on a cursor and move it on trace maintaining your finger pressed and moving it toward left or right.

Zooming on the different events in succession

- 1 Set the cursor on one event
- 2 Define a zoom on this event.
- 3 Click on another event in the results table.

The cursor is automatically positioned on this event, which is always centered on the screen, keeping the zoom level selected.

Shift function

The Shift function is used to displace the displayed section of the trace by directly clicking on the touchscreen.

The horizontal shift is performed maintaining the point of intersection between the trace and the selected cursor at the same level, scrolling the trace horizontally while following it vertically, so that it never goes off the screen.

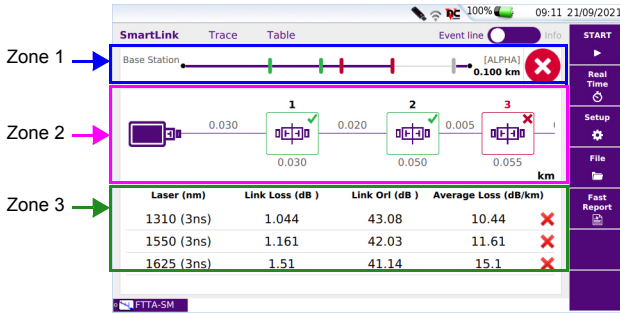
To use this function:

- 1 Click on the trace and displace trace manually on touchscreen toward left/right or upward/backward.


SmartLink view

- 1 Click on **Smart Link** tab.
A screen as the following one is displayed:

Figure 16 SmartLink function



The screen is divided into three zones:

- Zone 1:** the **Event line**, which is a bar representing the link, with a mark for the different events detected and the alarm status icon, or the **Info bar** with the acquisition parameters of the trace, together with a small-scale representation of the trace.
 This zone can be hidden setting the button in the middle of the bar

- Zone 2:** Graphical representation of the link, with icons symbolizing the different events detected.
- Zone 3:** Link Table, which gives a summary of results for each wavelength, with results within/without thresholds in green/red (according to Alarm thresholds defined in the setup screen).

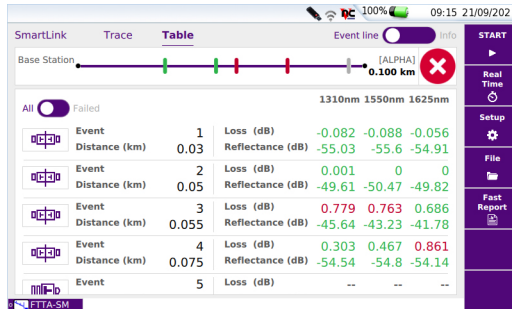


If several traces are displayed in overlay, with the same wavelength, then the Zone 2 indicates the results for each wavelength. The graphical representation of the Zone 1 is a combination of multiple pulses and wavelengths acquisitions.

Table View

- Click on **Table** tab.
A screen as the following one is displayed:

Figure 17 Table view




The list of all the events detected during acquisition or manually measured are displayed in a table:

- The events exceeding alarm thresholds are displayed in red, whereas those lying within the thresholds are displayed in green.
Select **Failed** on the button **All** Failed to display exclusively the results exceeding the thresholds

Showing the detailed information of one event

The information concerning the event, its type and the alarm thresholds defined for this event, can be displayed from the SmartLink or Table screen.

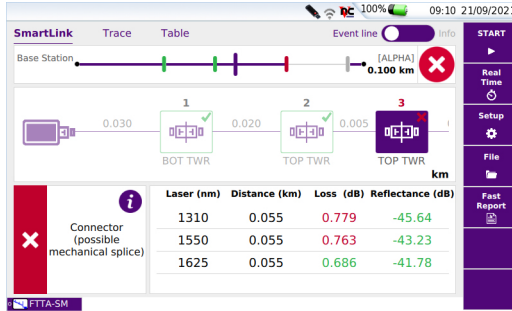
- In SmartLink view, select the event for which information must be displayed, on the graphic.

The event is highlighted in purple once selected. 

A frame displays, and describes:

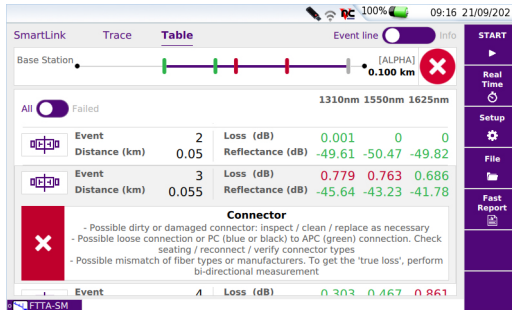
- the event type
- the value above which it is on defect

Figure 18 Event Details in SmartLink view



In Table view, click on one event line to display the information under this event

Figure 19 Event details in Table view



NOTE

The event is displayed with a red icon if it is above the alarm thresholds defined in the setup menu.

A green icon is displayed if it lies within the thresholds.

A yellow icon is displayed if the value is above a «Warning» threshold.

No icon is displayed if no alarm has been defined in the Setup menu

Changing the event name

The event name can be modified, from **SmartLink** view:


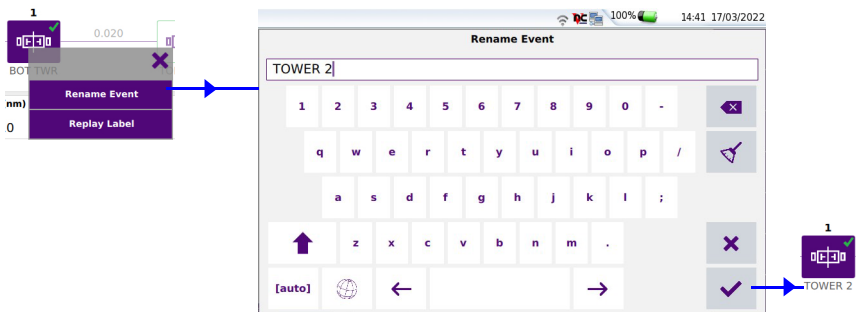
- 1 Maintain pressed the icon to be modified.
- 2 In the menu open, click on Rename event.
- 3 Enter a new name in the edition keypad and click on  to validate. The new name is displayed under the event icon.

Figure 20 Event Name



Click on **Replay Label** to rename the event as it was previously (at last saving).

File saving and report generation

This chapter describes the FTTA results saving and the report generation.

The topics discussed in this chapter are as follows:

- “Saving the trace(s) and generating a report” on page 34

**NOTE**

Patented, as described at www.viavisolutions.com/patents.

Saving the trace(s) and generating a report

Once the results page is displayed, the trace(s) can be saved and a report can be generated directly from the results screen.

Saving and report can have been automatically generated if, in the file configuration, the **Auto Store** parameter has been set to **Yes** (see [page 14](#)) with the appropriate **Save Mode**.

Saving results and creating a report from results page

To save the trace and generate a report:


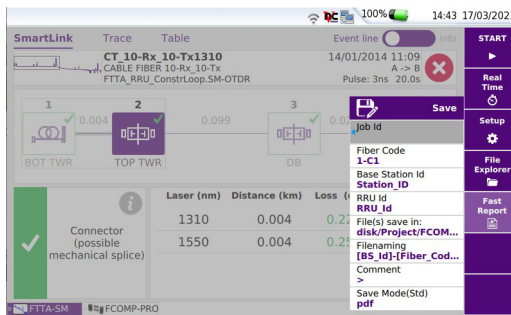
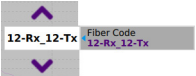
- 1 Press **Fast Report** key 
- 2 In the menu, configure the file saving mode (and the report).

Figure 21 Fast report configuration



- a Define a **Job Id**.
 - b In the **Fiber Code** parameter use the up and down keys to define the fiber code by scrolling the available codes. 
 - c Define the **Base Station Id** and **RRU Id**.
 - d Click on **Dir. naming** text box and enter the directory path (see "[File\(s\) save in](#)" [page 12](#)).
- or

In the edition keypad, click on key  to define the current directory as directory for file saving.



- e Click on **Filenaming** text box and enter a name for the file in the onscreen keyboard (see [Figure 10 on page 14](#)).

or

In the edition keypad, click on key  to apply the auto filenaming (see "[Filenaming](#)" [page 13](#)).

- f If wished, enter a **Comment** clicking in the text box to display the edition keypad.
- g In the **Save Mode** parameter, select the report format to be generated:
 - txt file** select **Yes** to generate a txt file of the results.
 - pdf file** select **Yes** to generate a report in a pdf file.
 - json file** select **Yes** to generate a json file.

If all parameters are set to **No**, only the .sor (or .msor) file will be saved.

- 3 Once saving is configured as wished, press **Save** key  **Save** .
- 4 Enter a name for the file in the edition keypad.
or
Let the box empty to apply the file name by default (see [page 13](#)).
- 5 Press  to validate.



NOTE

The sor file and the txt, pdf and/or json files will have the same name.

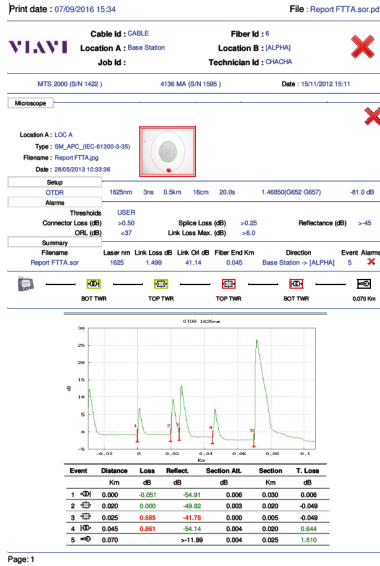
Once saving is completed, a sound is emitted onto the Platform.



NOTE

To modify the directory into which the report will be saved, click on the header of the **Saving** Edition keypad to display the **Directory** keypad and enter a new path for the directory.

Figure 22 Fast Report with FTTA option



CAUTION

To modify the VIAVI logo, set by default on the header of the pdf report, save your logo in a jpg file called logo.jpg and place it to the root of the disk: disk > logo.jpg.



NOTE

A pdf report can also be generated from the File Explorer page onto the equipment (see OTDR User Manual).



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