

Analyzing Results Manually

The **Measure** tab lets you set the markers and measurement type according to your needs to see specific results.

3 Move the marker to the desired location (either point and drag the marker on-screen or use the arrow buttons).

2 Select the marker to use.

1 Tap to create an event manually.

Graph overview window

Results

Four-Point event loss: **2.260 dB** Max. reflectance: **-52.1 dB**

A: 0.5944 km 14.587 dB
 B: 1.0996 km 12.198 dB
 A-B: 0.1053 km 2.389 dB
 A-B avg. loss: 22.680 dB/km

Event Section ORL

Shortcut Buttons

Saves file.

Opens file.

Displays previous wavelength.

Generates a report on demand.

Displays next wavelength.

Switches between displaying single trace or all traces.

Open Save Report

Prev. All Next

Understanding the Summary View

The Summary view is useful to see the results of your acquisition at a glance. You can access it by tapping the **Summary** tab.

Tested wavelengths

Test status

Test details

Span length of the link

Macrobend information

To switch between detailed and condensed views.

Information: 1310 nm (9 μm) 1550 nm (9 μm)

Pass/Fail status: Fail Fail

Span length: 1.2394 km 1.2394 km

Span loss: 2.877 dB 3.834 dB

Span ORL: 39.19 dB 41.24 dB

Injection level: 14.9 dB 13.9 dB

Range: 2,500 km 2,500 km

Pulse: 10 ns 10 ns

Duration: 46 s 46 s

Date: 2013-09-20 2013-09-20

Time: 6:45:04 AM 6:45:51 AM

Average loss: 2.321 dB/km 2.448 dB/km

Maximum splice loss: 0.756 dB 1.015 dB

Maximum splice loss: 1.303 dB 1.019 dB

Span length: 1.2394 km

Macrobend Position: 1.1356 km

Macrobend Delta Loss: 0.690 dB

Understanding the Event Icons

The icons below represent the possible event types for your test results (**Events** tab and linear view):

	Span start		Positive end
	Span end		Launch level
	Continuous fiber		Fiber section
	End of analysis		Merged event
	Non-reflective event		Echo
	Reflective event		Reflective event (possible echo)

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EXFO
 EXPERTISE REACHING OUT

Adjusting Test Configuration

Before starting your acquisition, you should adjust the configuration for your test.

2 Select to what items the changes apply.

1 Tap.

3 Configure the link to test.

OTDR

Start

Open Save Report

Prev. All Next

Main Menu

File

Identification...

Test Configuration...

User Preferences...

Apply to: Next acquisition

Fiber Characteristics

Wavelength: 1310 nm/9 μm

IOR: 1.467700

Backscatter: -79.45 dB

Helix factor: 0.00 %

Calculation and Pass/Fail Thresholds

Include span start

Include span end

Detection Thresholds

Splice loss: 0.020 dB

Reflectance: -72.0 dB

End-of-fiber: 5.000 dB

Reflective end-of-fiber detection

Macrobend

Wavelengths: 1310 nm - 1550 nm

Delta (loss): 0.500

Revert to Factory Settings

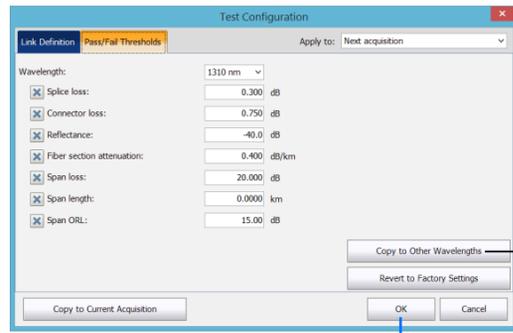
Copy to Current Acquisition

OK Cancel

For more information,
 refer to the user guide.



4 Select which items are included in the pass/fail thresholds, and set the corresponding value.

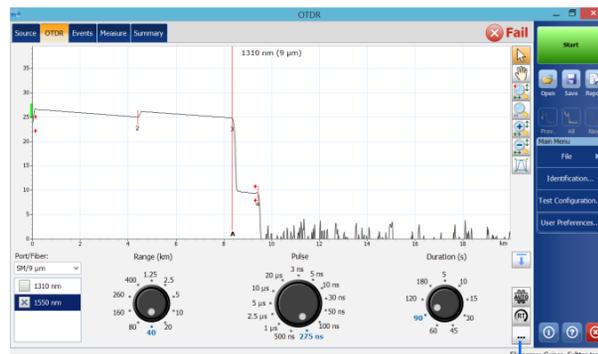


Tap to copy the values to other wavelengths.

5 Tap.

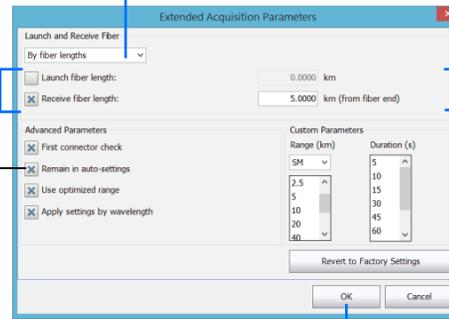
Defining Launch and Receive Fibers

The launch and receive fibers are used to characterize the first and last connectors on the fiber. They help you define the actual span start and end.



1 Tap.

2 Select to what items the changes apply (event or fiber lengths).



Select the item to modify.

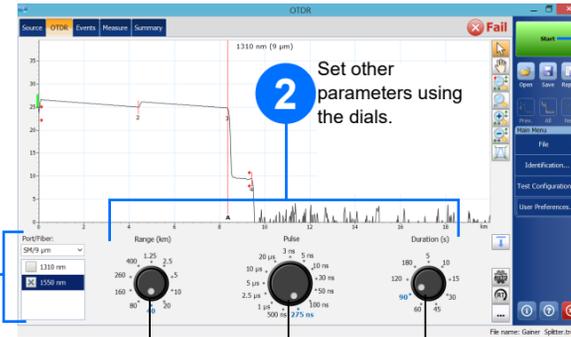
To keep the automatic settings activated once an acquisition is done.

Modify as needed.

5 Tap.

Using the Averaging Mode

In Averaging mode, the unit performs a series of acquisitions according to the distance, pulse width and time span, and then averages the results on-screen.



1

Select test wavelengths. Depending on your OTRD model, you can select the port as well.

2 Set other parameters using the dials.

3 Tap Start. To interrupt acquisition at any time, tap Stop.

To set the period over which results are averaged. Generally, the longer the time, the cleaner the trace.

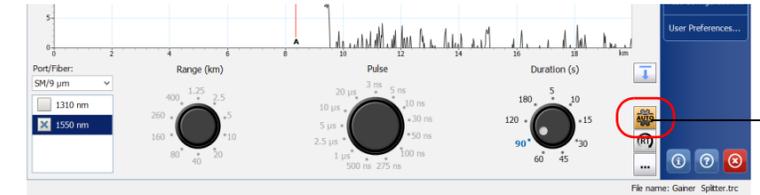
A longer pulse travels farther down the fiber, but provides less resolution.

Not all pulse widths are compatible with all distance ranges.

Using the Auto Settings Feature

The **Auto** button is there to help you quickly set the unit by automatically evaluating the best acquisition settings according to the fiber link currently connected to the unit. The application determines the most appropriate settings when you tap **Start**.

Note: When using the Auto settings feature, the Pulse and Distance dials in the window are not available.



Tap to select the Auto settings feature.

Using Real-Time Mode

In Real-time mode, the unit monitors the fiber link and indicates any changes that occur immediately. This mode is available for only one wavelength at a time.



4

Tap Start RT. To interrupt acquisition at any time, tap Stop RT.

1

Select test wavelengths. Depending on your OTRD model, you can select the port as well.

3

Set other parameters using the dials.

2

Select the Real-time (RT) mode.