

## 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 Select measurement type.

Graph overview window

Results

Tap to create an event manually.

Four-Point event loss: **2.904 dB**

Max. reflectance: --- dB

A: 63.9981 km 19.056 dB  
 B: 96.8022 km 12.884 dB  
 A-B: 32.8041 km 6.172 dB  
 A-B avg. loss: 0.193 dB/km

## Shortcut Buttons

Saves file.

Opens file.

Generates a report on demand.

Displays previous wavelength.

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 wavelength

Test status

Test details

Span length of the link

Span length: 100.9126 km

To switch between detailed and condensed views.

Information: 34 - 193.400 THz - 1550.116 nm (9 μm)  
 Pass/Fail status: Fail  
 Span length: 100.9126 km  
 Span loss: 19.588 dB  
 Span ORL: 31.48 dB  
 Injection level: 31.5 dB  
 Range: 160.000 km  
 Pulse: 1 μs  
 Duration: 30 s  
 Date: 2016-02-16  
 Time: 12:10:40 PM  
 Average loss: 0.194 dB/km  
 Average spike loss: ---  
 Maximum spike loss: ---  
 Live power value: < -40.6 dBm

## Understanding the Event Icons

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

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

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[Quick Reference Guide](#)

FTB-740C-CWDM / FTBx-740C-CWDM /  
 FTBx-740C-DWC  
 Tunable CWDM / DWDM OTDR

## 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...

Test Configuration

Apply to: Next acquisition

Fiber Characteristics

Wavelength: 1550 nm/9 μm

IDR: 1.468325

Backscatter: -81.87 dB

Helix factor: 0.00 %

Detection Thresholds

Splice loss: 0.020 dB

Reflectance: -72.0 dB

End-of-fiber: 5.000 dB

Reflective end-of-fiber detection

Calculation and Pass/Fail Thresholds

Include span start

Include span end

Revert to Factory Settings

Copy to Current Acquisition

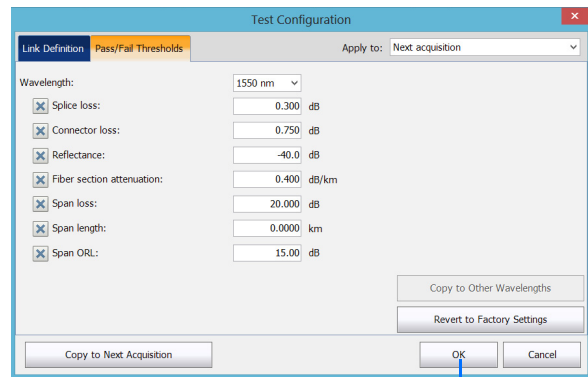
OK Cancel

For more information,  
 refer to the user guide.



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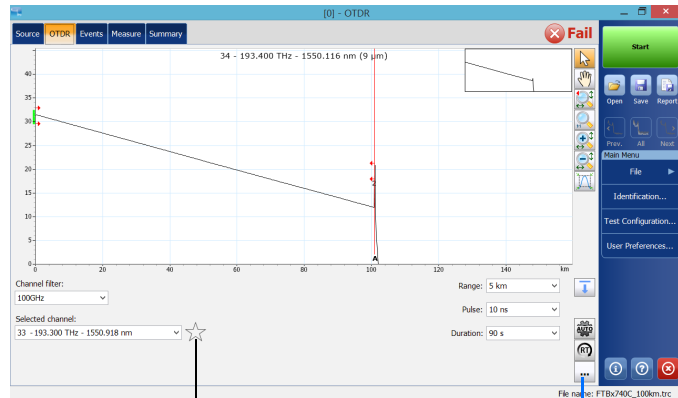
4 Select which items are included in the pass/fail thresholds, and set the corresponding value.



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.



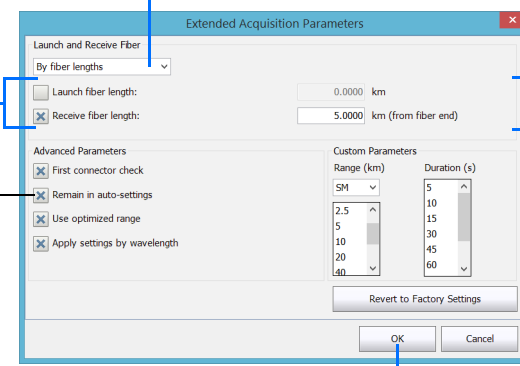
Tap to add the channel to the favorites list. Tap again to remove it from the list.

1 Tap.

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

3 Select the item to modify.

To keep the automatic settings activated once an acquisition is done

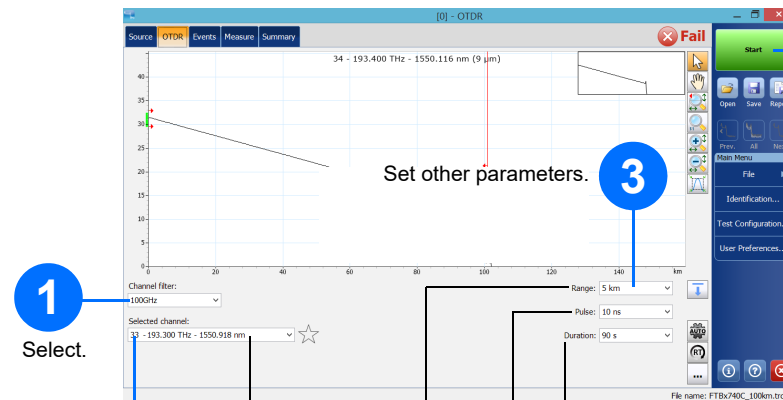


4 Modify as needed.

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.

2 Select a channel to test the link.

3 Set other parameters.

4 Tap Start.

To interrupt acquisition at any time, tap Stop.

Updated according to your selection in the Channel filter list.

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

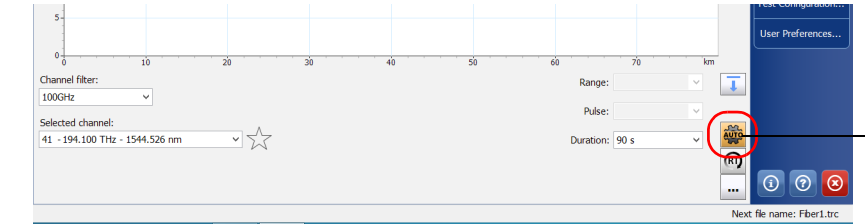
A longer pulse travels farther down the fiber, but provides less resolution.

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 Range drop-down menus in the window are not available.

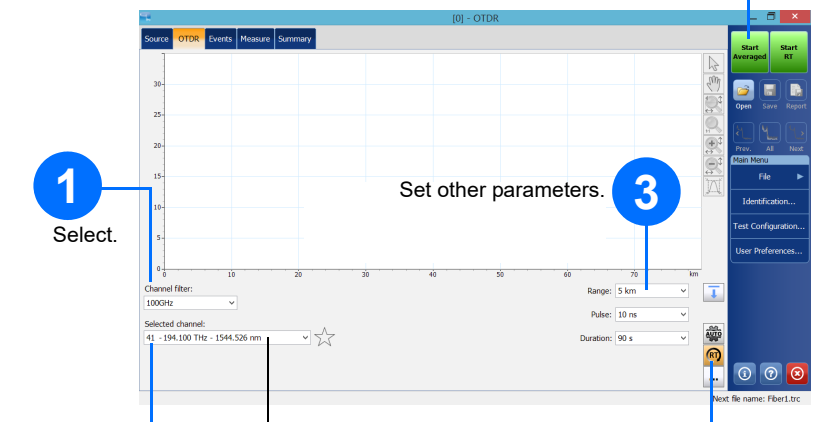


Tap to select the Auto settings feature.

## Using Real-Time Mode

In Real-time mode, the unit monitors the fiber link and indicates any changes that occur immediately.

Tap **Start Average** to stop real time and automatically start an averaged acquisition.



1 Select.

2 Select a channel to test the link.

3 Set other parameters.

5 Tap Start Average.

4 Select the Real-time (RT) mode.

Updated according to your selection in the Channel filter list.