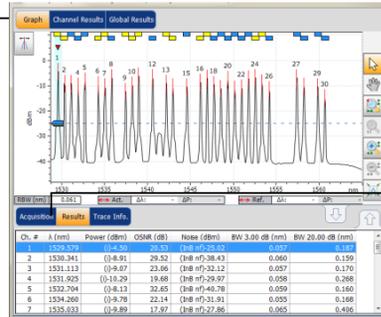


Managing Results WDM

Shows the spectrum, peak detection level, signal wavelength, signal power and OSNR of the channel.

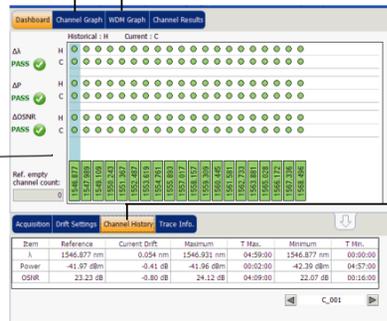


Shows the pass/fail status, as well as the results of the channel.

Drift

Shows plots of the signal wavelength, signal power and OSNR over time.

Shows the spectrum for the last WDM acquisition in the drift measurement.



Displays current and historical pass/fail status of the central wavelength, signal power and OSNR of the channel.

Channel results for the current measurement.

Displays the historical results for the selected channel.

Spectral Transmittance

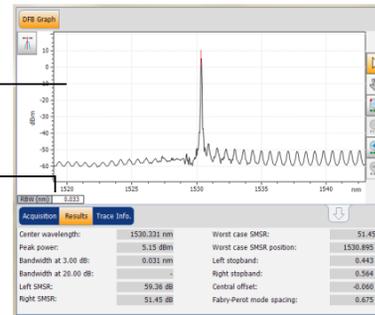
Output trace
Calculated ST trace
Input trace
ST results for the current measurement.



DFB Sources

Shows the spectrum of the DFB source

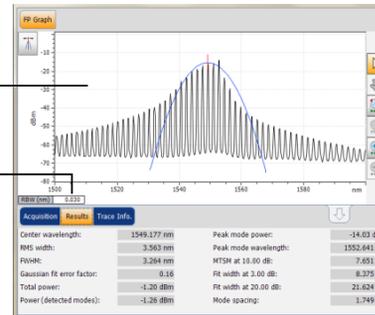
DFB results for the current measurement



FP Sources

Shows the spectrum of the FP source

FP results for the current measurement



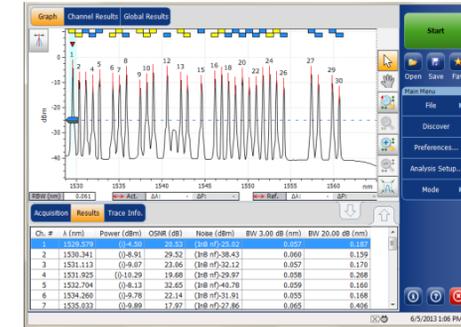
EDFA

Output trace
Input trace

Channel results for the current measurement



Selecting a Test Mode



Press, then select the desired test mode. The FP and DFB modes are located under Sources.

Note: The illustrations in this quick reference guide may differ slightly from those on your unit depending on the resolution and platform type.

Nulling Electrical Offsets



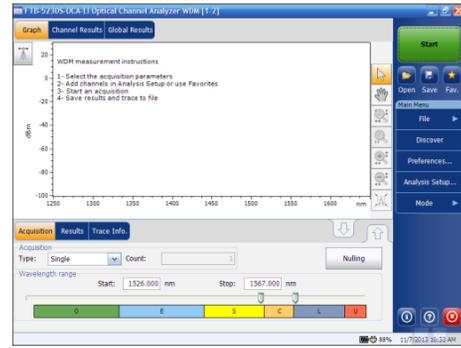
Press to start the nulling process.

Note: A nulling is performed automatically each time you start the OSA application, and at regular intervals afterwards.



Using the Discover Feature

This feature allows you to automatically build an analysis setup (scan range, channel list, analysis parameters, etc.) based on the signal being detected on the input port of your module.



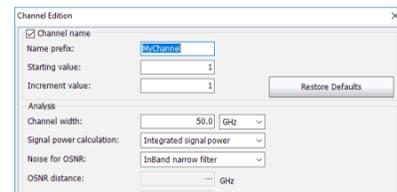
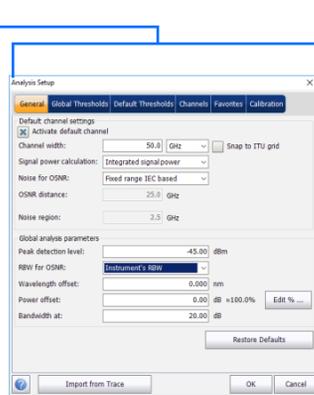
Press to start the discovery process.

Setting up Analysis Parameters



1 Press.

2 Use the different tabs to set the parameters (WDM mode shown).



When editing channel information, if you want to use the auto naming feature, enable the corresponding option, then enter a prefix for the name, with a starting value and an increment value.

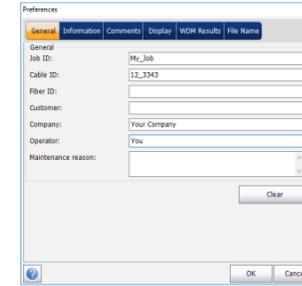
Defining Preferences

You can set analysis parameters according to your preferences.



1 Press.

2 The tabs will differ depending on the test type you have chosen. Enter or change the information as needed in the tabs.



Setting up Acquisition Parameters

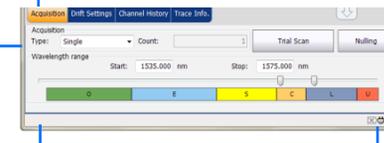
From the main window, select the Acquisition tab.

1

Select the acquisition type.

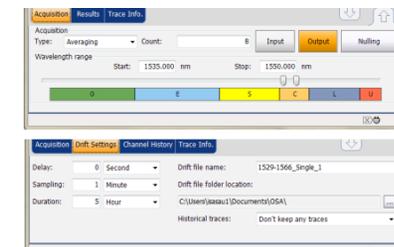
- If you are performing a single, real-time or *i*-InBand acquisition, you cannot modify the number of scan counts.
- If you are performing an averaging or InBand acquisition, enter the number of scans to perform.

2



3

Select a wavelength or frequency range either directly in the boxes or using the sliders.



If you are working in spectral transmittance or EDFA modes, select whether you want to store the next acquisition as an input or output trace.

If you are working in drift mode, set the other drift acquisition parameters in the Drift Settings tab.

- Enter a duration for the acquisition delay. The application waits for that time before taking the first acquisition.
- Set a sampling rate for your acquisition.
- Set a duration for the measurement.
- Enter a name and location for your result file.
- Select whether you want to keep historical traces or not.

Using Zoom Controls and Managing Traces

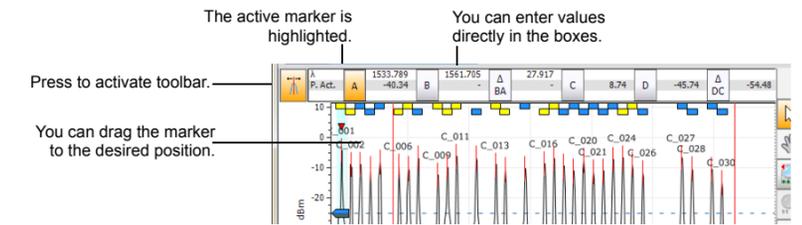


- Select tool
- Pan on trace
- Zoom on selected area
- Full size
- Zoom in
- Zoom out
- Zoom on current channel



- Start - Starts acquisition.
- Open Save Fav. - Open the list of favorite test configurations.
- Back Home - Returns to the main menu.
- New - Starts a new session.
- Open... - Saves the current file.
- Save As... - Saves the current file.
- Report... - Creates a html, PDF or text report.
- About - Displays online help.
- Displays module information.
- Closes application.

Using Markers



- The active marker is highlighted.
- You can enter values directly in the boxes.
- Press to activate toolbar.
- You can drag the marker to the desired position.

Understanding WDM Investigator Results

Symbol	Meaning
○	Pol-Mux signal or carved noise not present
⊙	Pol-Mux signal or carved noise present
⊗	Risk diagnostic
⚠	Warning diagnostic
—	Inconclusive diagnostic or signal
✓	OK diagnostic
No symbol (blank)	Not analyzed (empty channel)