Getting Results

The **Summary** tab is automatically displayed once the test is started. Select a tab to get additional test results.

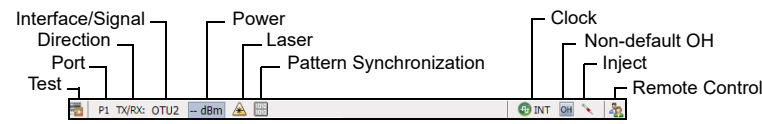The **Stop** button is displayed when the test is running.

Test control buttons are reconfigured according to the test application and status.

Alarm/Error Injection

1 Tap the **Alarms/Errors** tab.

Gives more information on this alarms/errors group.

3 Select the alarm/error to be injected and its parameters.

4 Tap **Inject**.

Hides the alarm/error selection.

2 Tap to select an alarm/error.

Status Bar

Interface/Signal — Power — Clock
Direction — Laser — Non-default OH
Port — Pattern Synchronization — Inject
Test — Remote Control

Additional Status Bar Symbols:

🌐	Connection established between two testing units in **Dual Test Set** (DTS), **EXFO|Worx Interop**, or in **Loop Up** mode.
🖥	Connection not established between two testing units in **Dual Test Set** (DTS), **EXFO|Worx Interop**, or in **Loop Up** mode.
🖥	Remote unit is busy (locked) in **EXFO|Worx Interop** operation mode.
💡	**LINK**: Port link **PTP**: 1588 PTP, PTP Frames **ESMC**: SyncE, ESMC Frames
🔁	Loopback Tool (Only available with 8870/8880)
(BTS)	CPRI, Base Station emulation mode
(RRH)	CPRI, Remote Radio Head emulation mode

Global Indicator

The global indicator displays the pass/fail verdict, global alarm, timer, and/or test duration.

Tap anywhere within the global indicator area to view the maximized view of these indicators.

Test Control Buttons

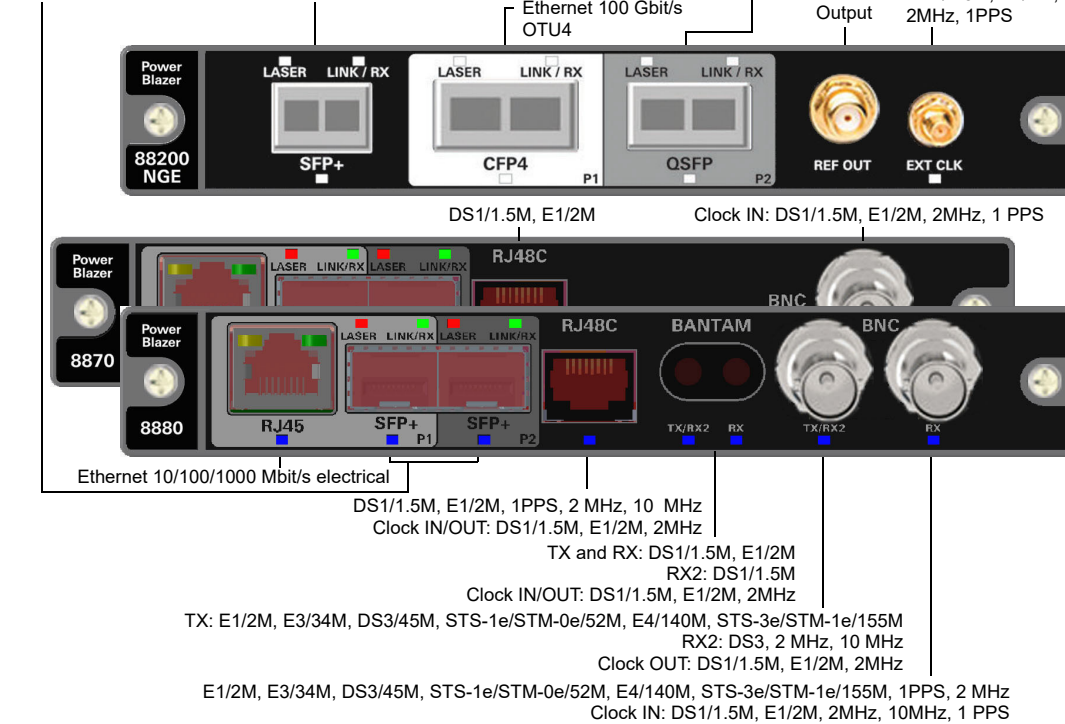|		
Start / TX / Stop / TX	**Start** **Stop** **TX**	Starts test. Available when the test is not running. Stops test. Available when the test is running. Enables traffic generation and starts test. Available with Traffic Gen & Mon and eCPRI BERT.
💾	**Save** **Load**	Saves, loads, imports, exports, and deletes configuration file(s). Available when the test is not running.
📄	**Report**	Saves, opens, imports, exports, and deletes test report(s). Available when the test is running or stopped, but the report generation (save) is only possible when the test is stopped.
⚠	**Laser** (on)	Indicates that the laser control is on (for at least one lane for parallel interface); the laser button has a red border. Tapping this button will turn off the laser (for all lanes for parallel interface). Only available with optical ports.
⚠	**Laser** (off)	Indicates that the laser control is off (for all lanes for parallel interface). Tapping this button will activate the laser immediately by emitting an optical laser signal (on all lanes for parallel interface). Only available with optical ports.
🔄	**Reset**	Clears results, statistics, and logger content. Available when the test is running.
📉	**Inject**	Injects alarms/errors based on settings from the Inject button from the Results - Alarms/Errors tab.
🔍	**Discover Remote**	Discovers and connects to a remote module that loops back the traffic via Smart Loopback or Dual Test Set (DTS).
🔁	**Lpbk Tool**	Loops back the Ethernet frames/packets that are received on the port unused by the main test application. Only available with 8870/8880.
< More	**More/Less**	The More/Less button appears when there is not enough room to display all available test control buttons.

Power Blazer and NetBlazer
FTBx-88000 Series

Physical Interfaces

Connect the signal to the corresponding interface on the module. For optical port, insert an EXFO supported transceiver into the port's slot then carefully connect optical fiber cables to the transceiver IN (RX) and OUT (TX) ports.

Ethernet 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s optical
Ethernet 10/100/1000 Mbit/s electrical (using active copper SFP)[1]
Fibre Channel 1X, 2X, 4X, 8X, 10X, 16X[2]
CPRI 1.2, 2.4, 3.1, 4.9, 6.1, 9.8, 10.1 Gbit/s
OBSAI 1.5, 3.1, 6.1 Gbit/s
OC-1/STM-0, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, OC-192/STM-64
OTU1, OTU2, OTU1e, OTU2e, OTU1f, OTU2f

QSFP+: Ethernet 40 Gbit/s
         OTU3e2, OTU3e1, OTU3
QSFP28: Ethernet 100 Gbit/s
         OTU4
QSFP56: Ethernet 100 Gbit/s

External Clock: DS1/1.5M, E1/2M, 2MHz, 1PPS
Reference Output
Ethernet 100 Gbit/s OTU4

DS1/1.5M, E1/2M
Clock IN: DS1/1.5M, E1/2M, 2MHz, 1 PPS

Ethernet 10/100/1000 Mbit/s electrical

DS1/1.5M, E1/2M, 1PPS, 2 MHz, 10 MHz
Clock IN/OUT: DS1/1.5M, E1/2M, 2MHz
TX and RX: DS1/1.5M, E1/2M
RX2: DS1/1.5M
Clock IN/OUT: DS1/1.5M, E1/2M, 2MHz
TX: E1/2M, E3/34M, DS3/45M, STS-1e/STM-0e/52M, E4/140M, STS-3e/STM-1e/155M
RX2: DS3, 2 MHz, 10 MHz
Clock OUT: DS1/1.5M, E1/2M, 2MHz
E1/2M, E3/34M, DS3/45M, STS-1e/STM-0e/52M, E4/140M, STS-3e/STM-1e/155M, 1PPS, 2 MHz
Clock IN: DS1/1.5M, E1/2M, 2MHz, 10MHz, 1 PPS

1. Available on P1 for 88200NGE and on P2 for 8870/8880
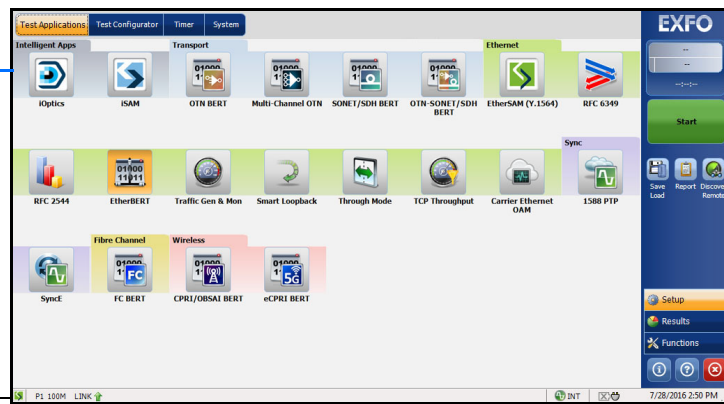2. Available on 88200NGE

Starting the Application

From **ToolBox X**, tap either the Power Blazer or the NetBlazer application button.

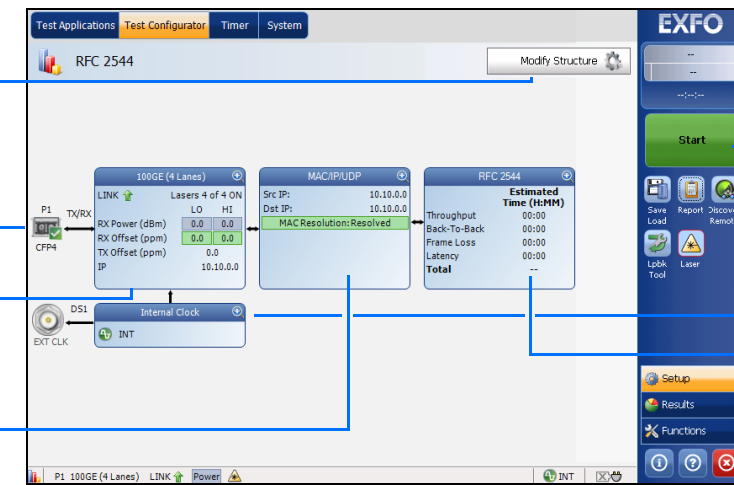# Selecting, Configuring, and Starting a Test

1 Tap on a test application.

Status Bar

For Intelligent Apps:

iOptics

2 Tap the desired port icon.

3 Once the transceiver is correctly detected ✓, select its rate.

4 Select the test parameters and thresholds.

5 Tap the **Start** button to start the test.

iSAM

2 Select the basic port parameters or click on **More** for full settings. Ensure that the link is up and the power level (when supported) is present in the status bar before proceeding to the next step.

3 Select the basic test parameters or click on **More** for all settings.

4 Select the remote operation mode: **Dual Test Set**, **Remote Loopback**, or **Manual Loopback**.

5 Select the basic remote parameters or click on **More** for full settings.

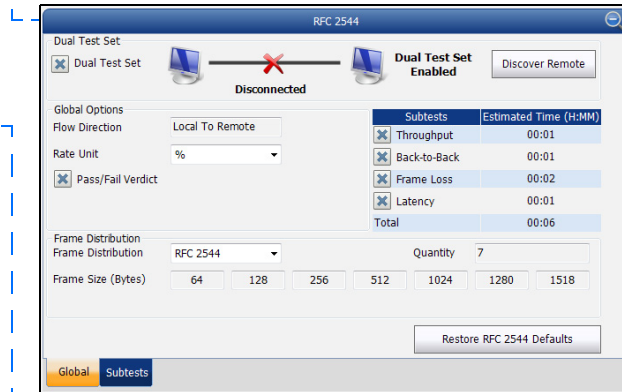**6** Tap the **Start** button to start the test.

For Transport, Ethernet, Packet Sync, Fibre Channel, and Wireless:

2 Tap the **Modify Structure** button to set the basic structure of the test such as interface/rate, connector, etc.

3 For CFP4/QSFP interface, check for the CFP4/QSFP optical validation check mark ✓ indicating that the CFP4/QSFP matches the configured interface/rate.

4 Tap the interface block to configure the interface/signal parameters. Ensure that the link is up (except for Transport applications) and the power level (when supported) is present in the status bar before proceeding to the next step.

5 Tap the protocol block to configure either the frame structure and its parameters for Ethernet test applications or the embedded signal for Transport test applications. This block is not present for all tests.

8 Tap the **Start** button to start the test.

7 Tap the clock block to configure the clock synchronization.

*Note: For advanced testing, tap the **Functions** button.*

6 Tap the test block to configure specific test settings. This block is not present for all tests.