Getting Results

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

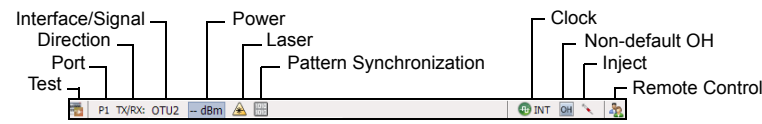The **Stop** button is displayed when the test is running.

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
(BTS)	CPRI, Base Station emulation mode
(RRH)	CPRI, Remote Radio Head emulation mode

Global Indicator

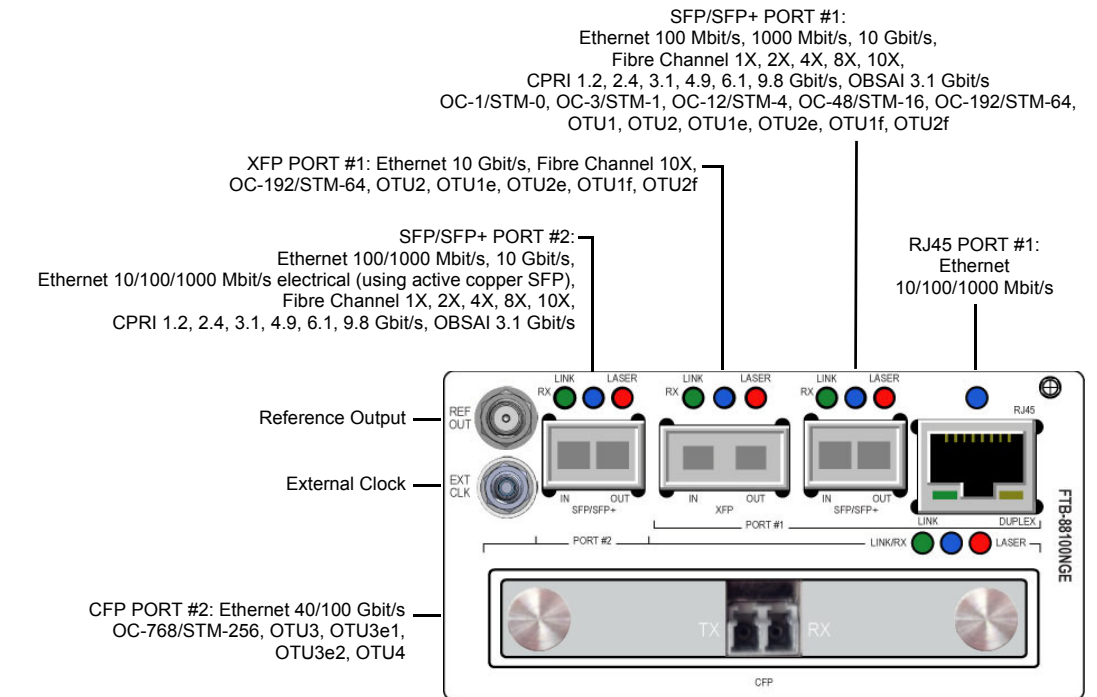The global indicator displays the pass/fail verdict, global alarm, timer, and/or test duration.

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

Test Control Buttons

	Button	Description
	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.
	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 loop 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.

Power Blazer
FTB-88100NGE/88100G

Physical Interfaces

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. The FTB-88100NGE is shown below as example for connector location purposes.

SFP/SFP+ PORT #1:
Ethernet 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s,
Fibre Channel 1X, 2X, 4X, 8X, 10X,
CPRI 1.2, 2.4, 3.1, 4.9, 6.1, 9.8 Gbit/s, OBSAI 3.1 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

XFP PORT #1: Ethernet 10 Gbit/s, Fibre Channel 10X,
OC-192/STM-64, OTU2, OTU1e, OTU2e, OTU1f, OTU2f

SFP/SFP+ PORT #2:
Ethernet 100/1000 Mbit/s, 10 Gbit/s,
Ethernet 10/100/1000 Mbit/s electrical (using active copper SFP),
Fibre Channel 1X, 2X, 4X, 8X, 10X,
CPRI 1.2, 2.4, 3.1, 4.9, 6.1, 9.8 Gbit/s, OBSAI 3.1 Gbit/s

RJ45 PORT #1:
Ethernet
10/100/1000 Mbit/s

Reference Output

External Clock

CFP PORT #2: Ethernet 40/100 Gbit/s
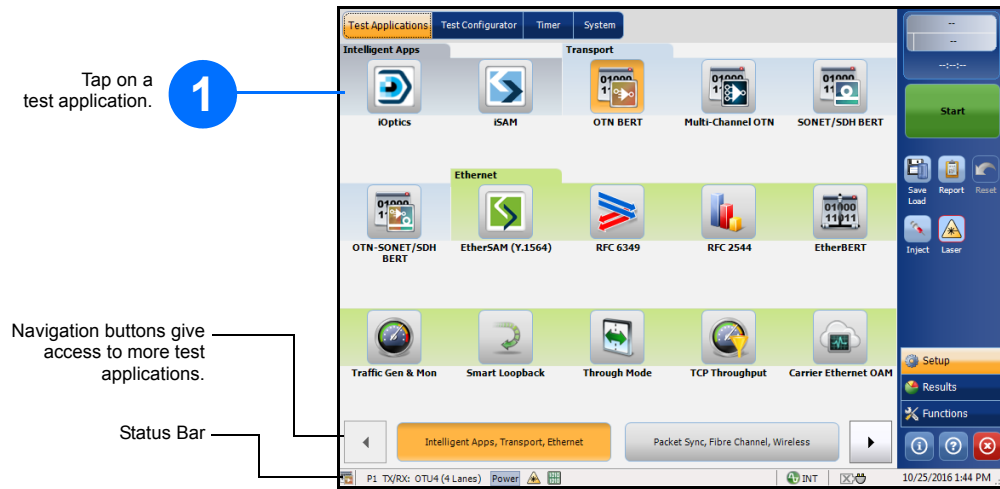OC-768/STM-256, OTU3, OTU3e1,
OTU3e2, OTU4

Starting the Application

From **ToolBox X**, tap the PowerBlazer application button. — [PB]
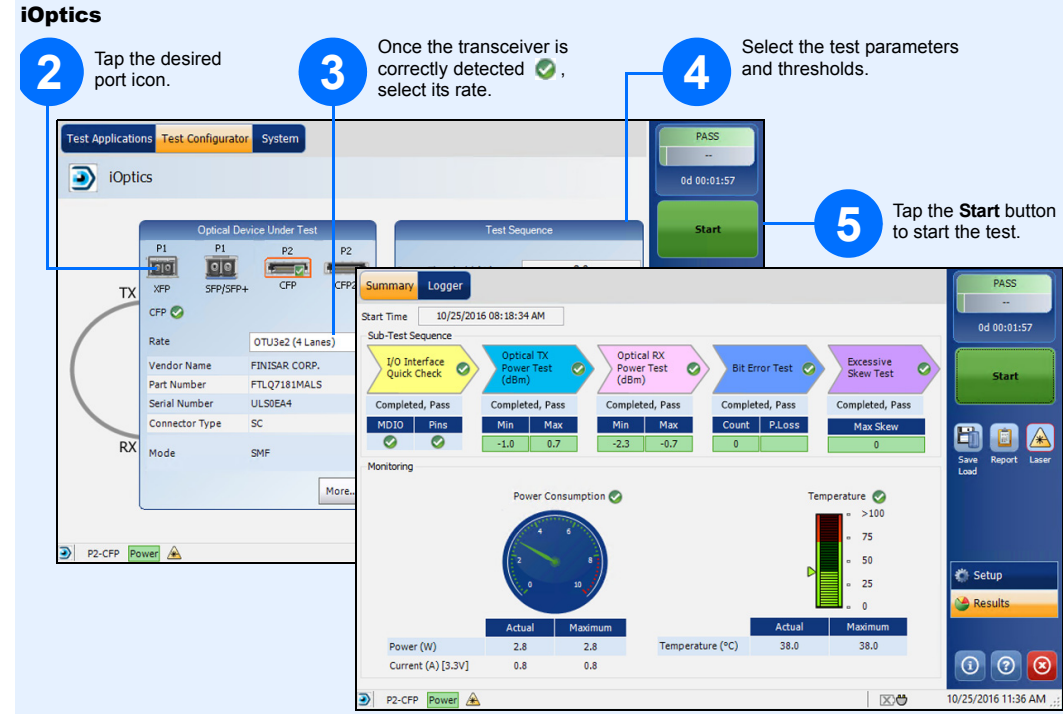
Selecting, Configuring, and Starting a Test

① Tap on a test application.

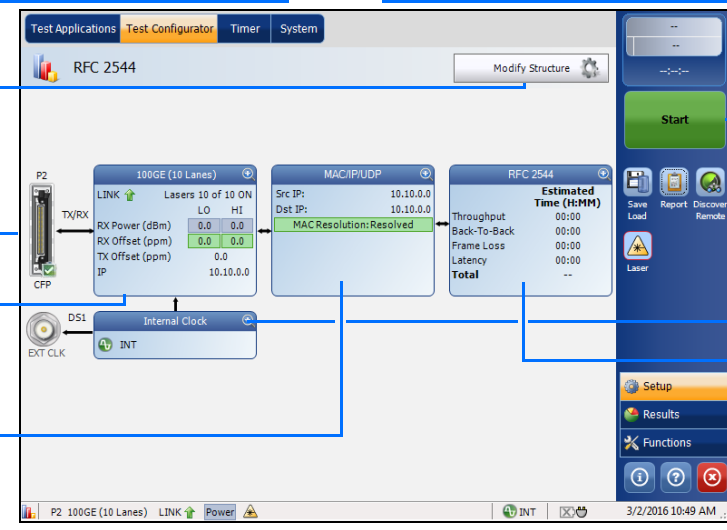Navigation buttons give access to more test applications.

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.

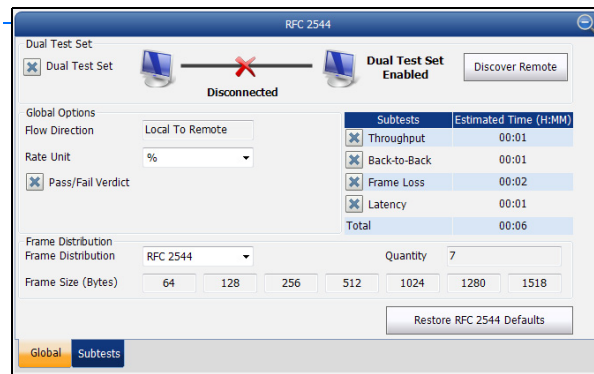**⑥** Tap the **Start** button to start the test.

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

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

③ For CFP interface, check for the CFP optical validation check mark ✅ indicating that the CFP 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.
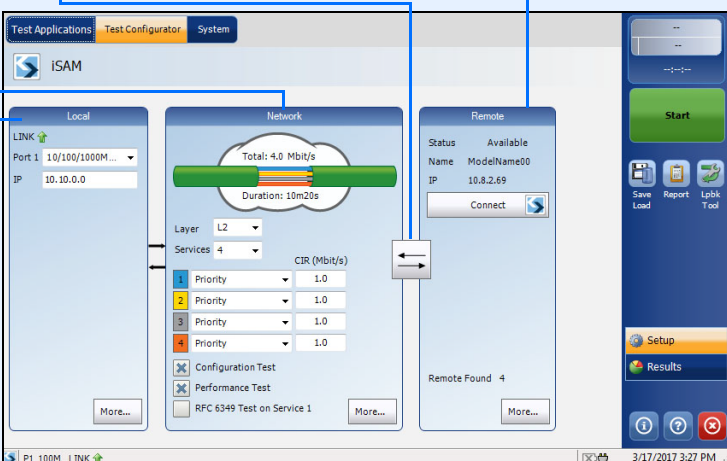

⑧ Tap the **Start** button to start the test.

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.