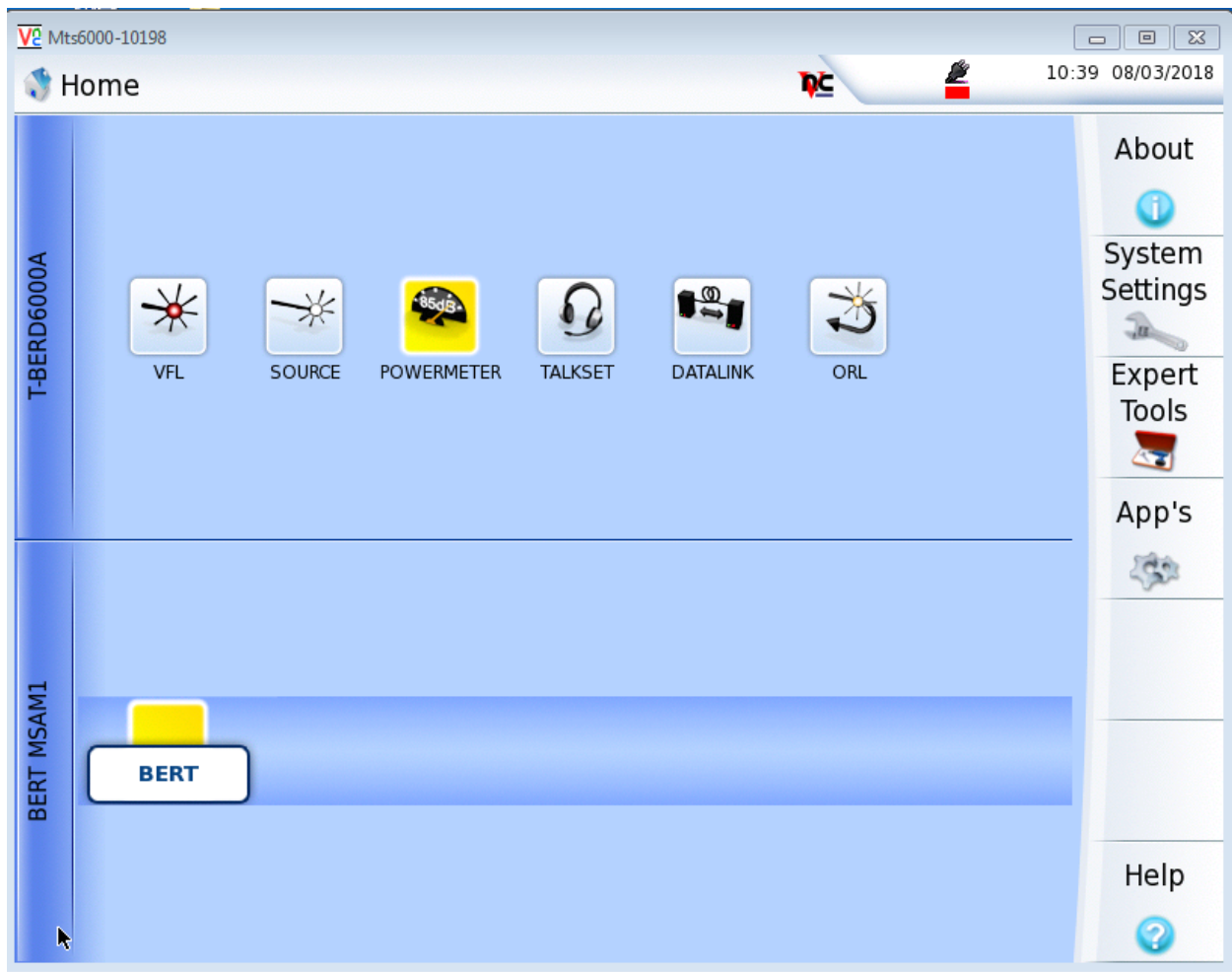
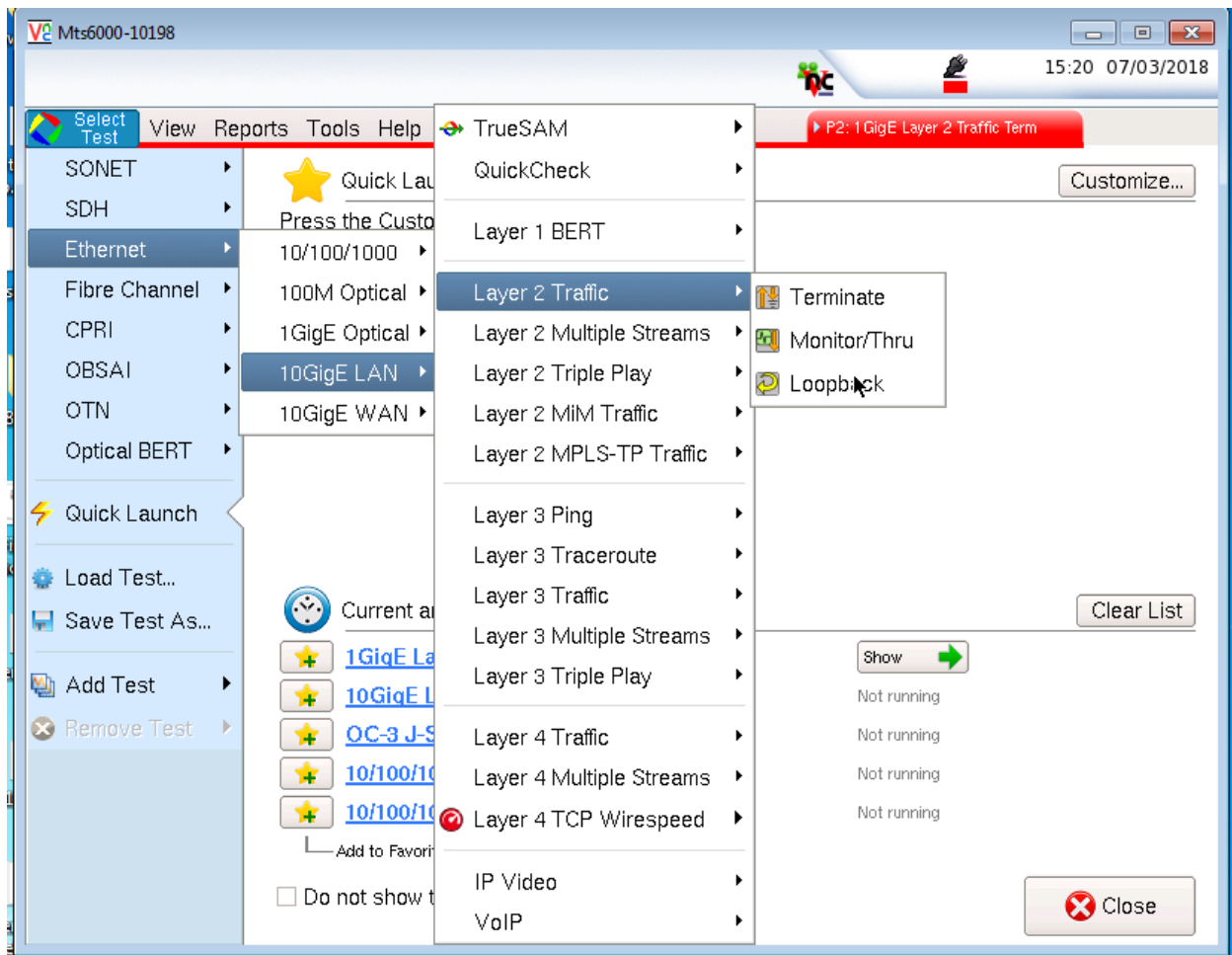


Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



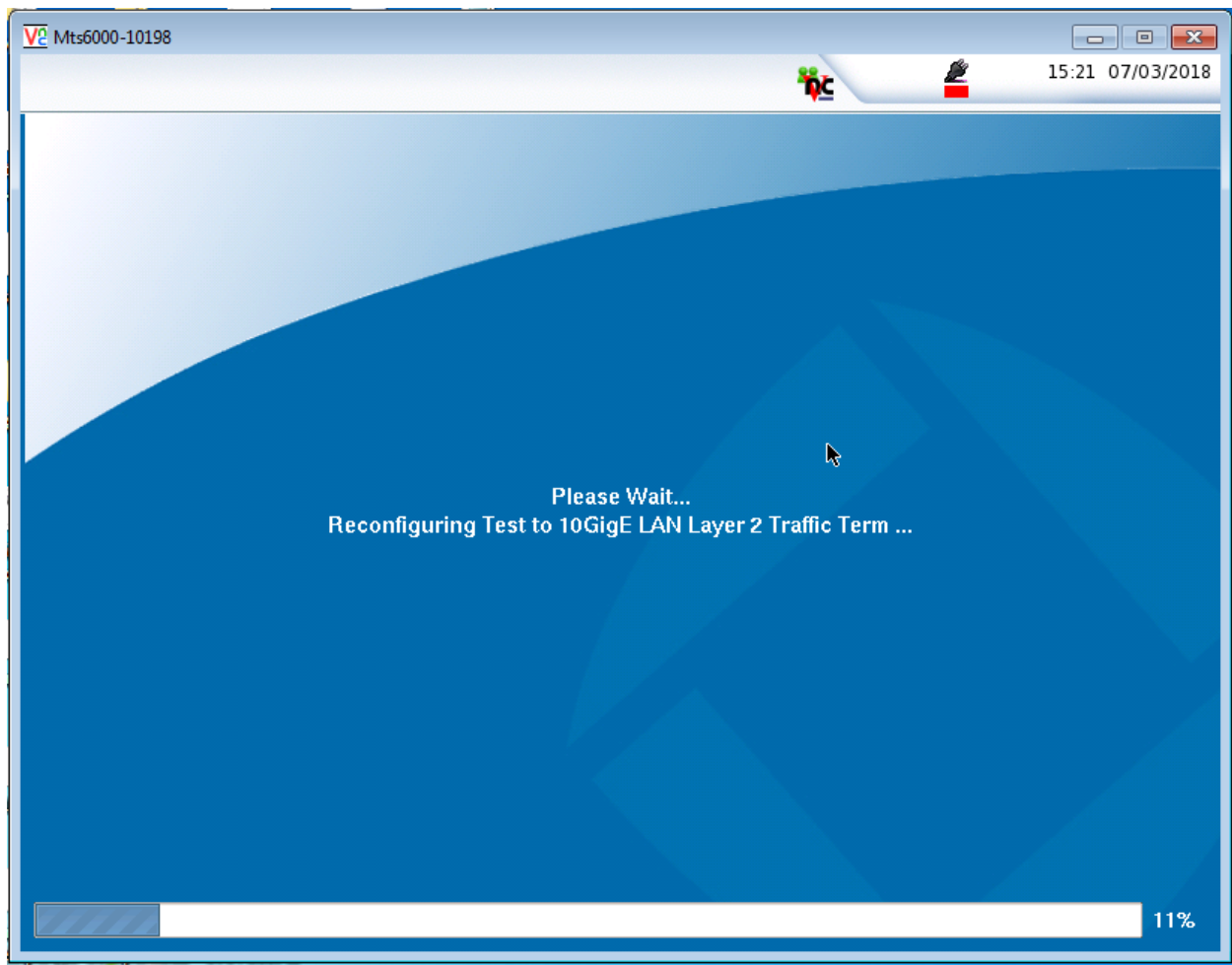
1. From the Systems screen select the Setup Soft key

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



2. **Select Setup Soft key and then Select Test Ethernet 10GigE LAN Layer 2 Traffic Terminate**

Setting up the T-BERD[®]/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



3. The Test will launch

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test

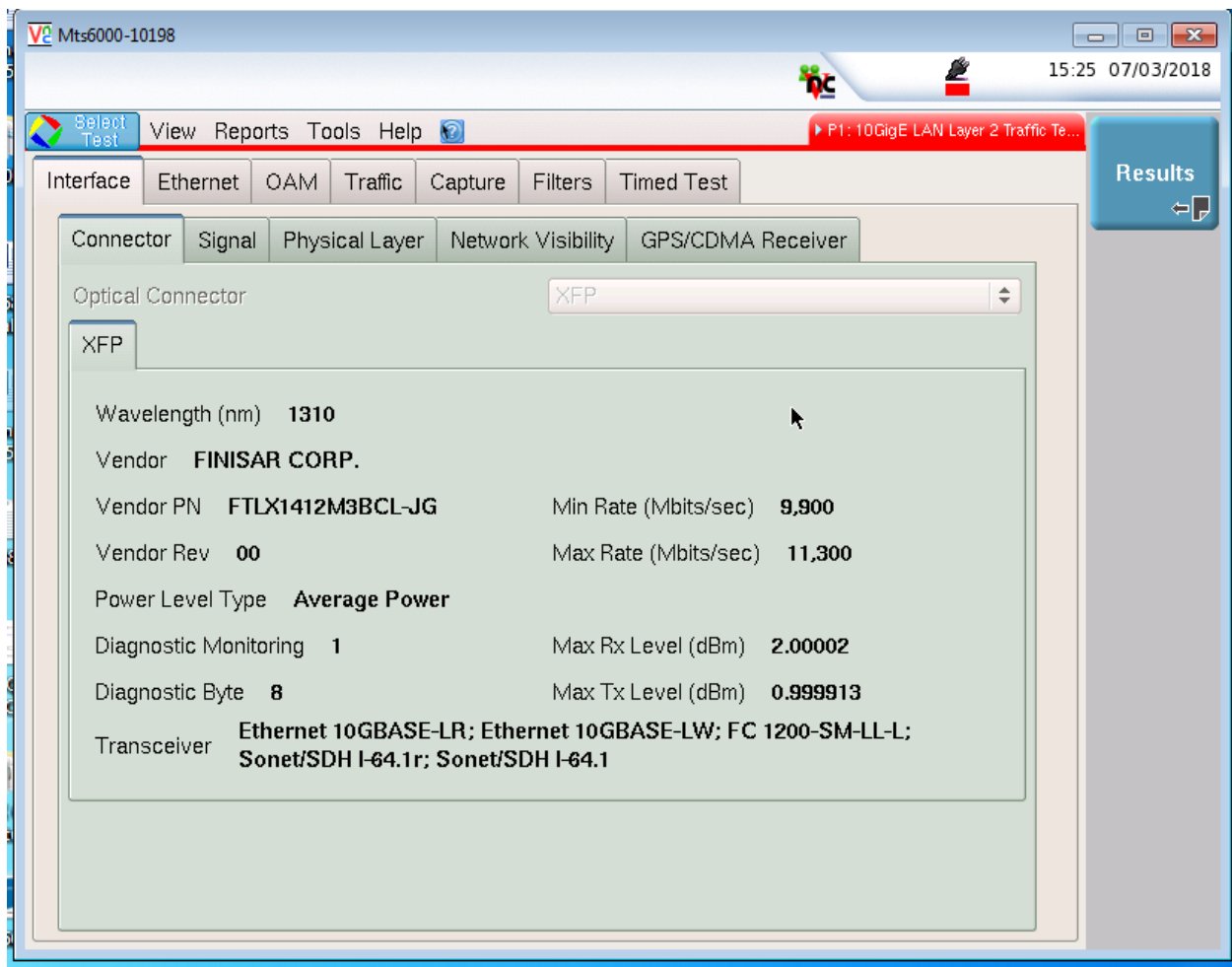
The screenshot shows the Mts6000-10198 software interface. The main window title is "Mts6000-10198". The top menu bar includes "Select Test", "View Reports", "Tools", and "Help". The current test is "P1: 10GigE LAN Layer 2 Traffic Term", which is in a "Running" state. The interface is divided into several sections:

- Test Configuration:** Shows "Ethernet" selected under "Payload", "LBM/LTM", and "J-Connect". The "Traffic" mode is set to "256" and the "Frame Size" is "256".
- Summary Results:** A table with columns "Summary", "Status", and "SLA / KPI".

Summary	Status	SLA / KPI
Signal Present	OFF	Throughput, Current
Local Fault Detect	ON	Rx Mbps, L1
Signal Loss Seconds	112	Tx Mbps, L1
Local Fault Seconds	112	Rx Mbps, L2
		Tx Mbps, L2
		Frame Loss - FLR
		Lost Frames
		Frame Loss Ratio
		Round Trip Delay - FD (us)
		Average
		Current
		Maximum
		Packet Jitter - FDV (us)
- Bottom Controls:** Includes "Laser" (Off), "Actions", "Service Disruption", "Errors", "Faults", "OAM", and "Capture". There are also "XFP Connector" and "Laser Off" buttons, and a "Clock Source" dropdown set to "Internal" with frequency offset buttons (-1, +1, -10, +10 ppm).

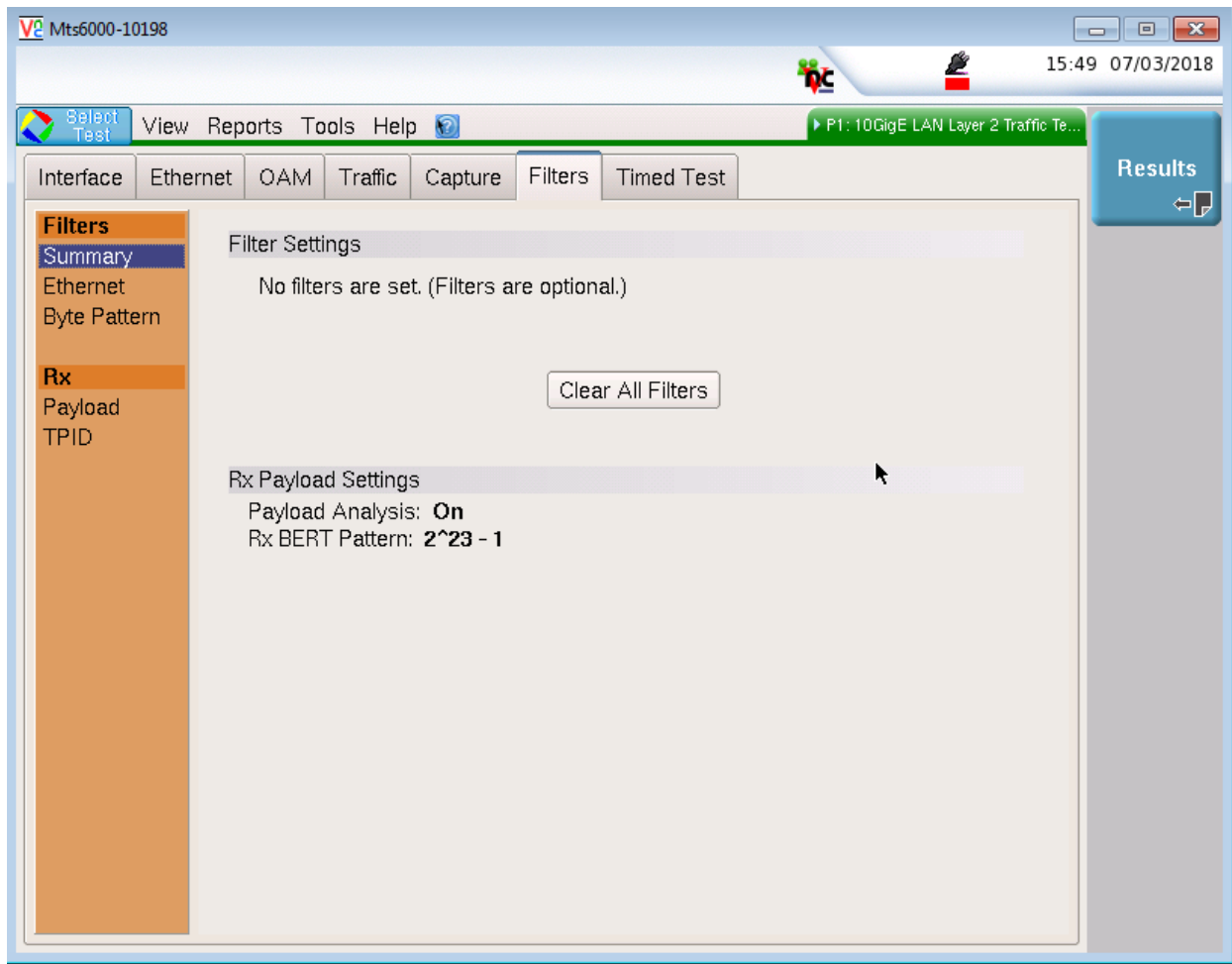
4. From the Summary Results window select Actions and select Setup

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



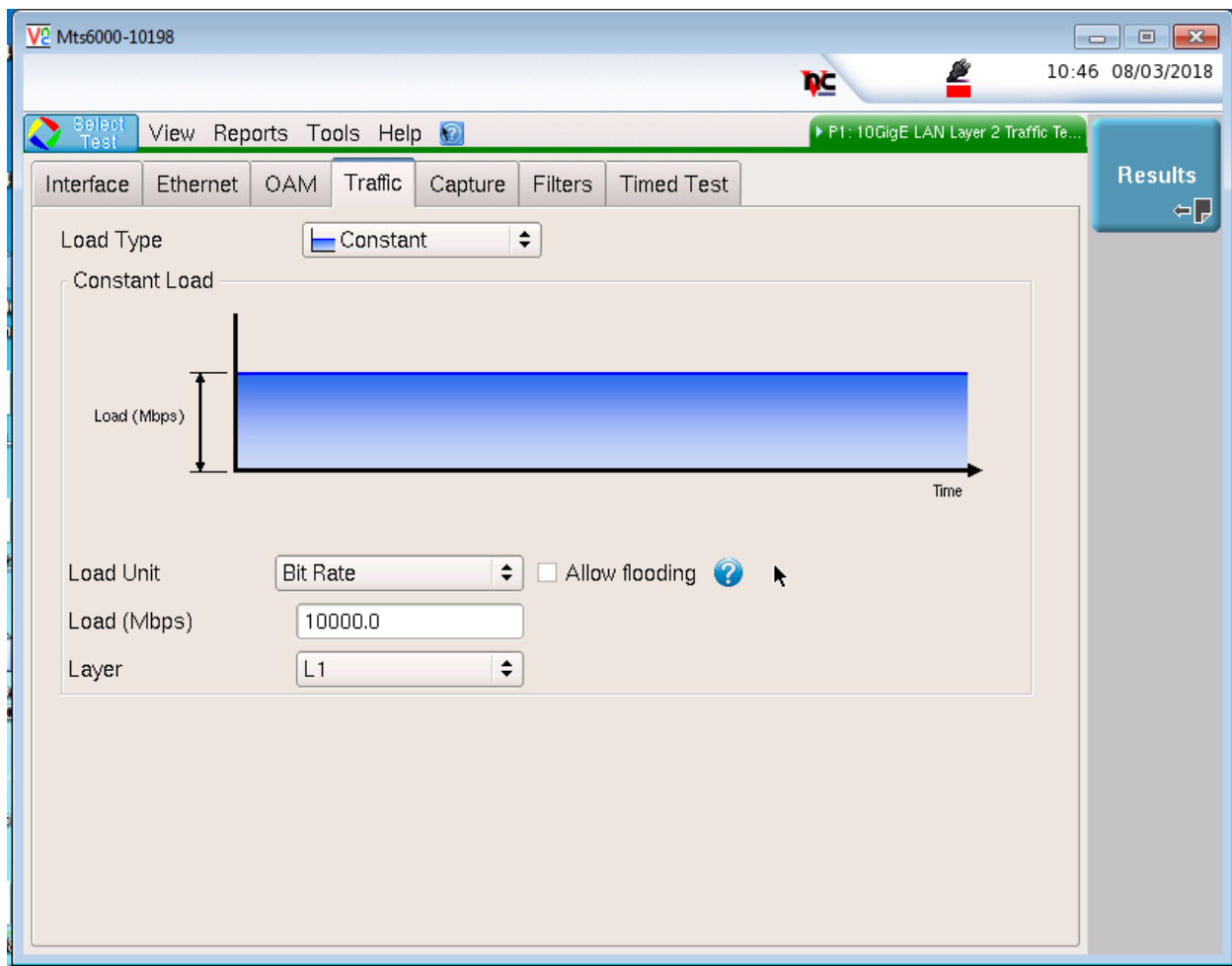
5. Select Interface and Connector verify that your XFP is a 1310 for Single mode and Select Results

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



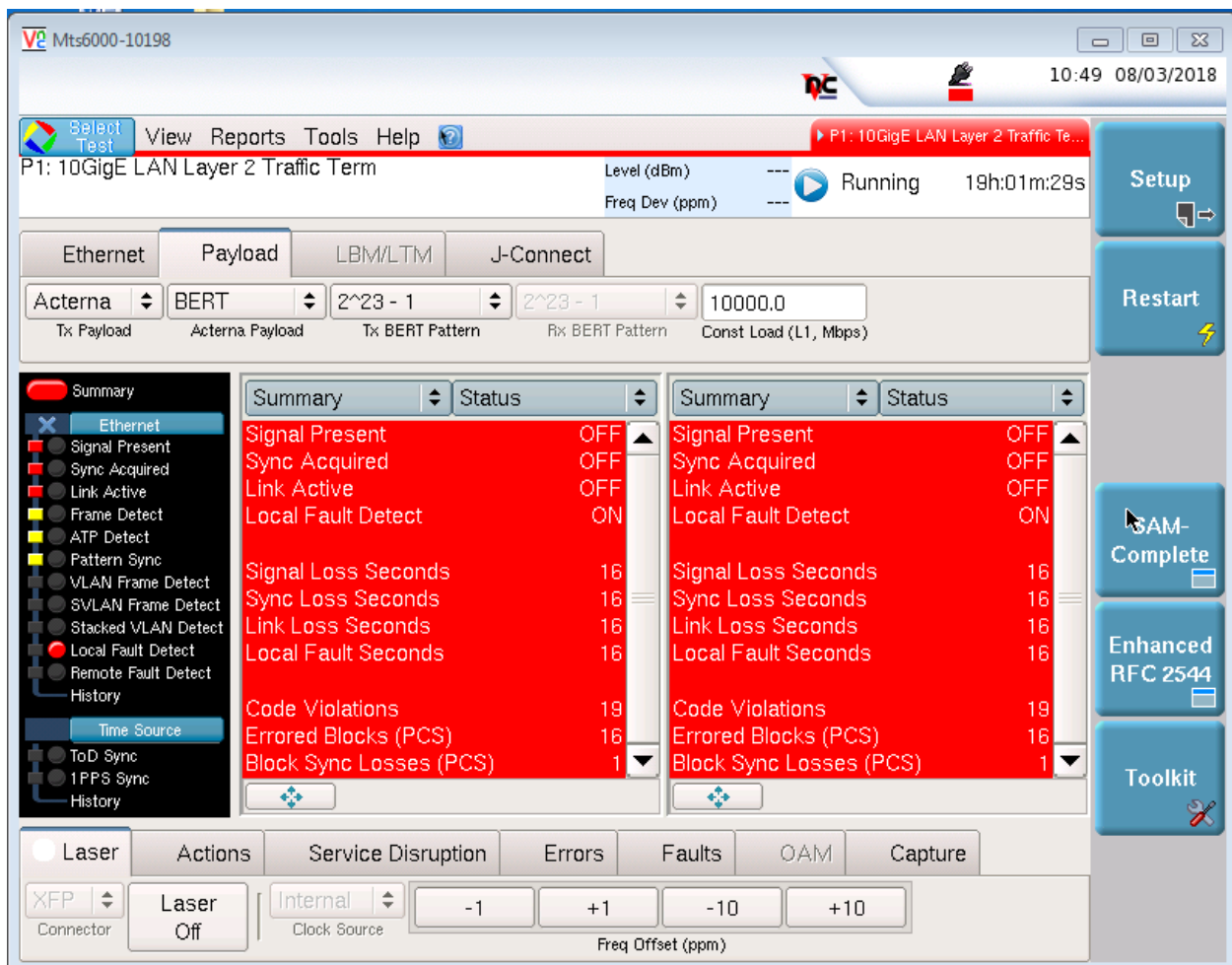
6. Select the Filters tab and Summary and Clear All Filters and then select Results

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



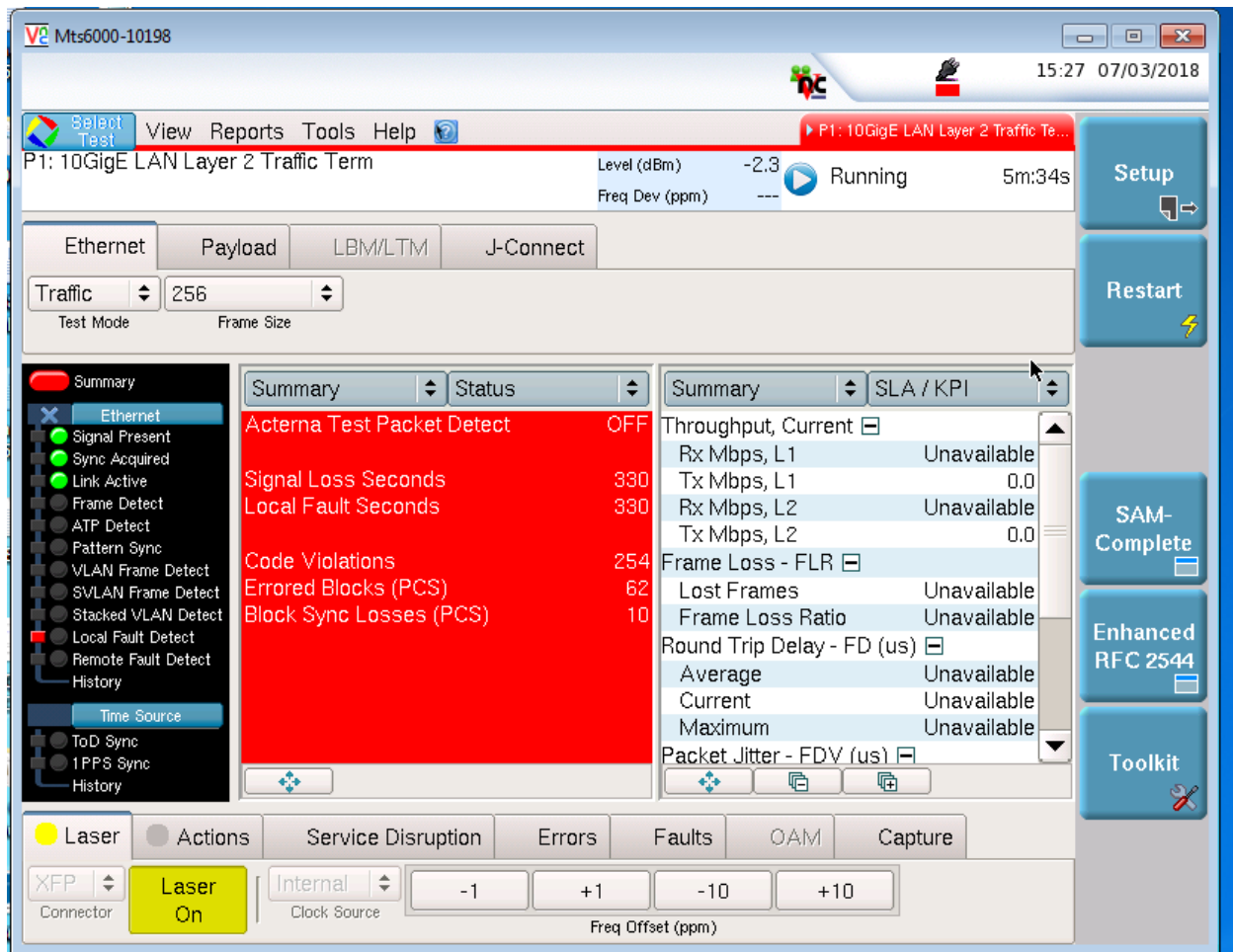
7. Select Traffic verify that your Load Type is Constant and that your Load Unit is Bit Rate Load (Mbps) 10000.0 Layer 1 Select Results

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



8. **Select Payload and verify you have Acterna Below Ethernet and Payload has Bert 2^23-1 selected and that your Const Load is 10000 Mbs**

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



- From the Summary Results window select Actions and turn on your Laser. Verify you have Signal Present Sync Acquired and Link is Active (If you receive a Local Fault Detect place a 5 or 10 Db Attenuator on the RX of side of your TB-6000A)

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test

The screenshot shows the Mts6000-10198 software interface. The main window title is "Mts6000-10198". The top right corner shows the time "15:30" and date "07/03/2018". The menu bar includes "Select Test", "View Reports", "Tools", and "Help". The main test configuration area shows "P1: 10GigE LAN Layer 2 Traffic Term" with a status of "Running" and a duration of "7m:47s". The level is "-2.3" dBm and frequency deviation is "-0.0" ppm. The test mode is "Ethernet" and the frame size is "256".

On the left, there is a "Summary" panel with a list of test parameters and their status:

- Signal Present: ON
- Sync Acquired: ON
- Link Active: ON
- Frame Detect: OFF
- ATP Detect: OFF
- Pattern Sync: OFF
- VLAN Frame Detect: OFF
- SVLAN Frame Detect: OFF
- Stacked VLAN Detect: OFF
- Local Fault Detect: OFF
- Remote Fault Detect: OFF
- History: OFF
- Time Source: ON
- ToD Sync: OFF
- 1 PPS Sync: OFF
- History: OFF

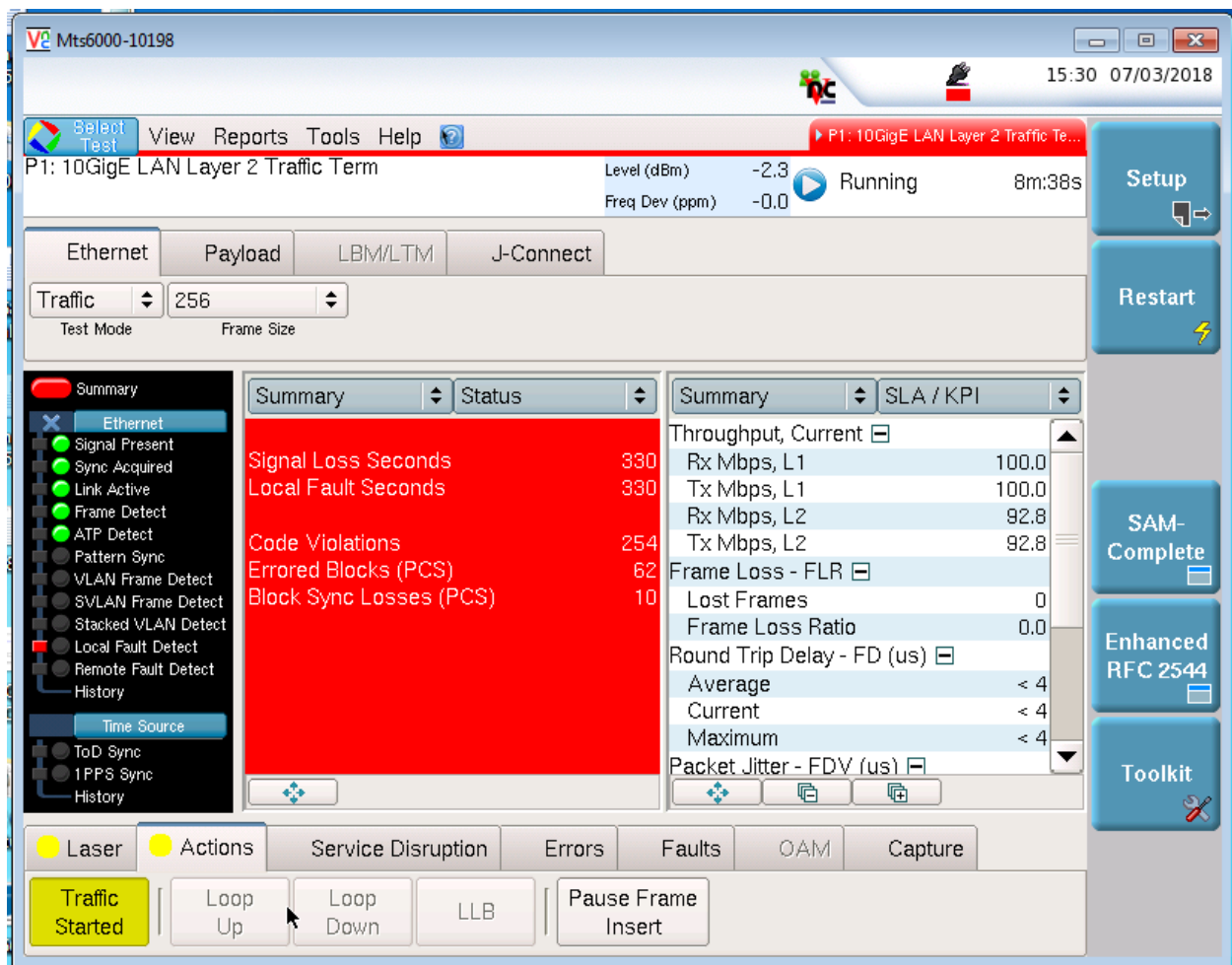
The main test results table is as follows:

Summary	Status	Summary	SLA / KPI
Acterna Test Packet Detect	OFF	Throughput, Current	
Signal Loss Seconds	330	Rx Mbps, L1	Unavailable
Local Fault Seconds	330	Tx Mbps, L1	0.0
Code Violations	254	Rx Mbps, L2	Unavailable
Errored Blocks (PCS)	62	Tx Mbps, L2	0.0
Block Sync Losses (PCS)	10	Frame Loss - FLR	
		Lost Frames	Unavailable
		Frame Loss Ratio	Unavailable
		Round Trip Delay - FD (us)	
		Average	Unavailable
		Current	Unavailable
		Maximum	Unavailable
		Packet Jitter - FDV (us)	

At the bottom, there are several control buttons: "Start Traffic", "Loop Up", "Loop Down", "LLB", and "Pause Frame Insert". The "Start Traffic" button is highlighted with a mouse cursor.

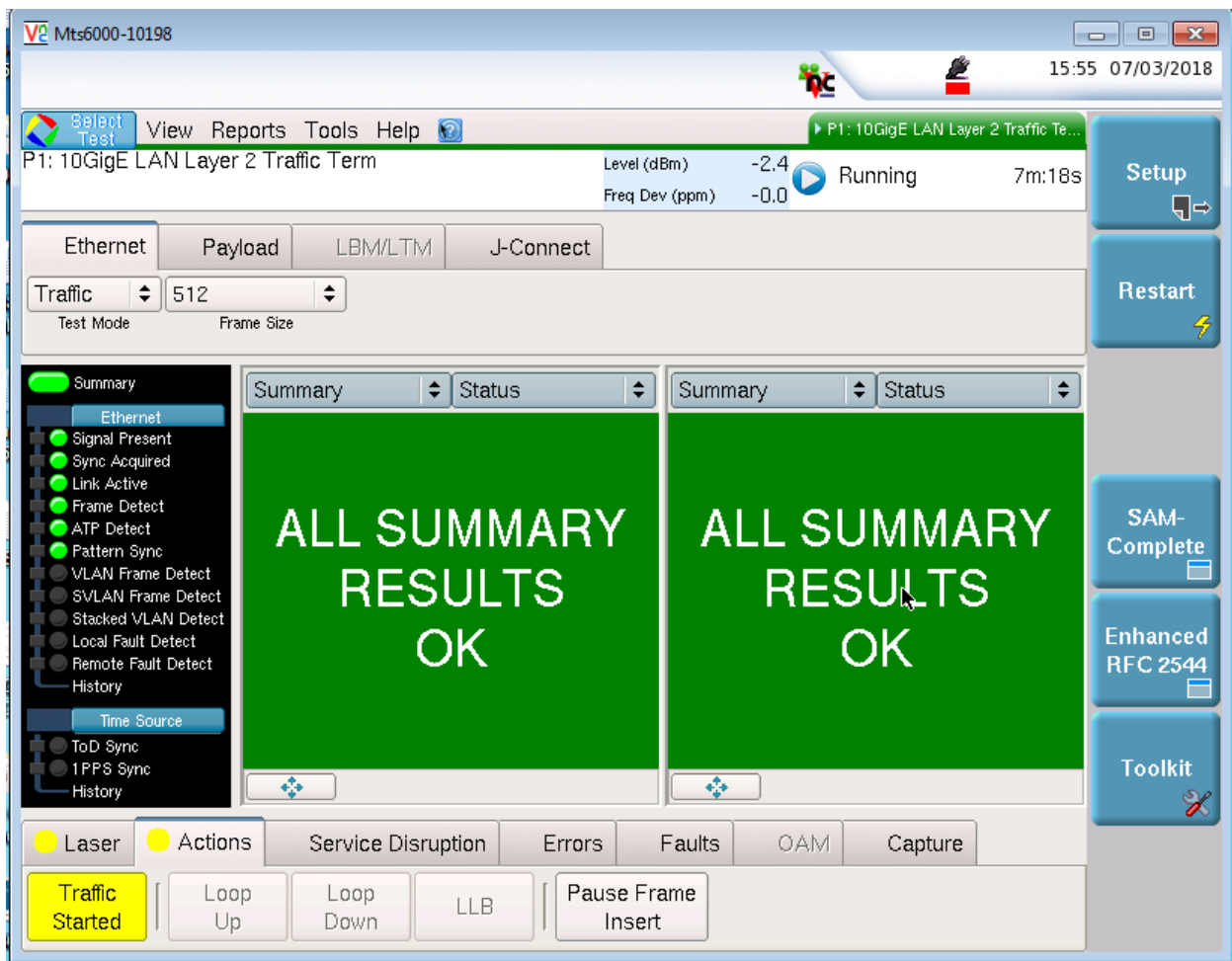
10. Select Actions and Select Start Traffic

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



11. Traffic Started is yellow and Select Restart

Setting up the T-BERD®/MTS6000A and 6000A Platform For a 10G LAN Layer II Ethernet Test



12. Verify that you have Signal Present, Sync Acquired, Link active, Frame Detect, ATP Detect and Pattern Sync