

T-BERD®/MTS-8000E Platform

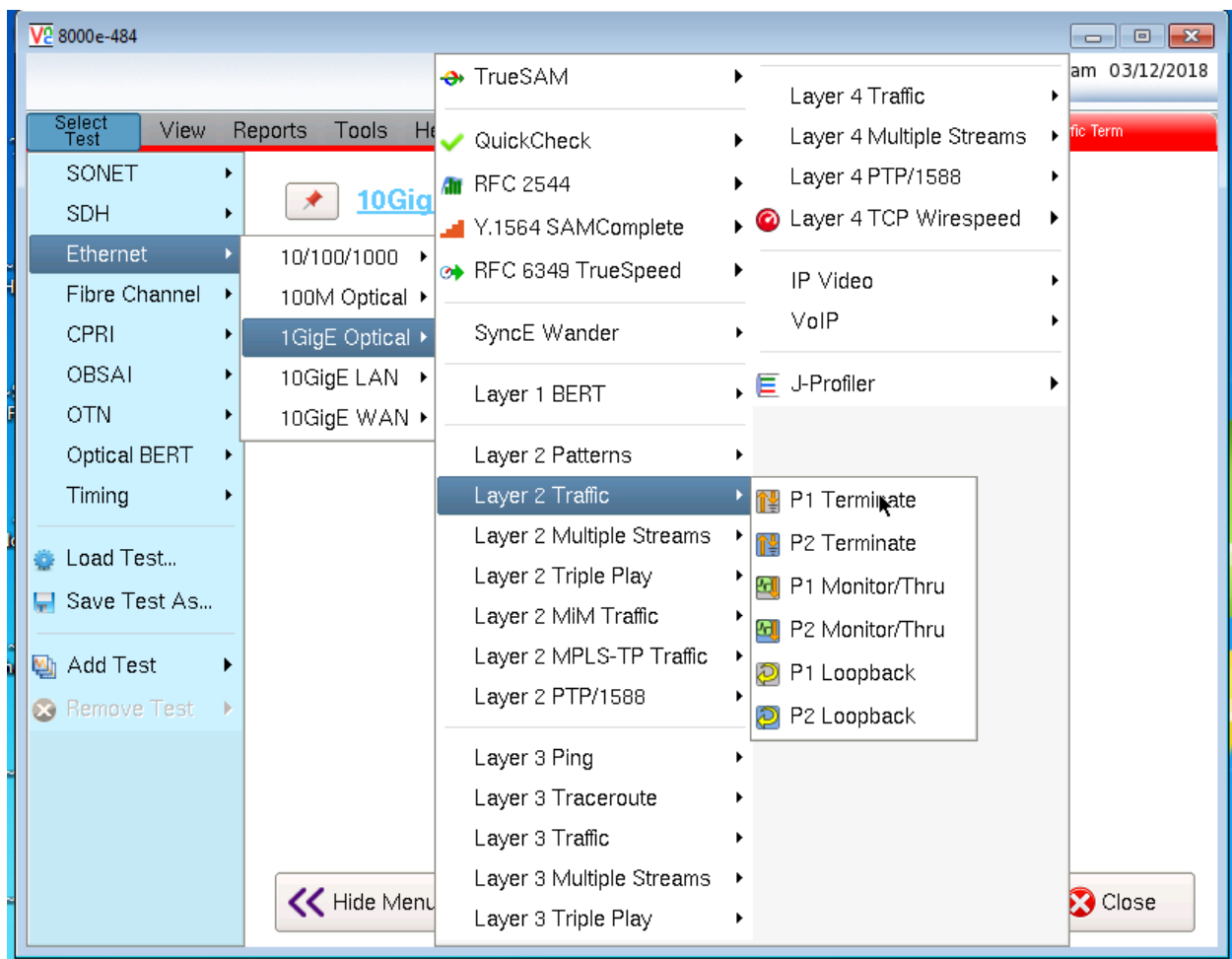
1GigE Optical Layer II Local Loop Back (MAC Swap)



1. From the Home menu select the Setup Soft key verify that your Bert Module is on (Yellow) and Select the Setup Soft key

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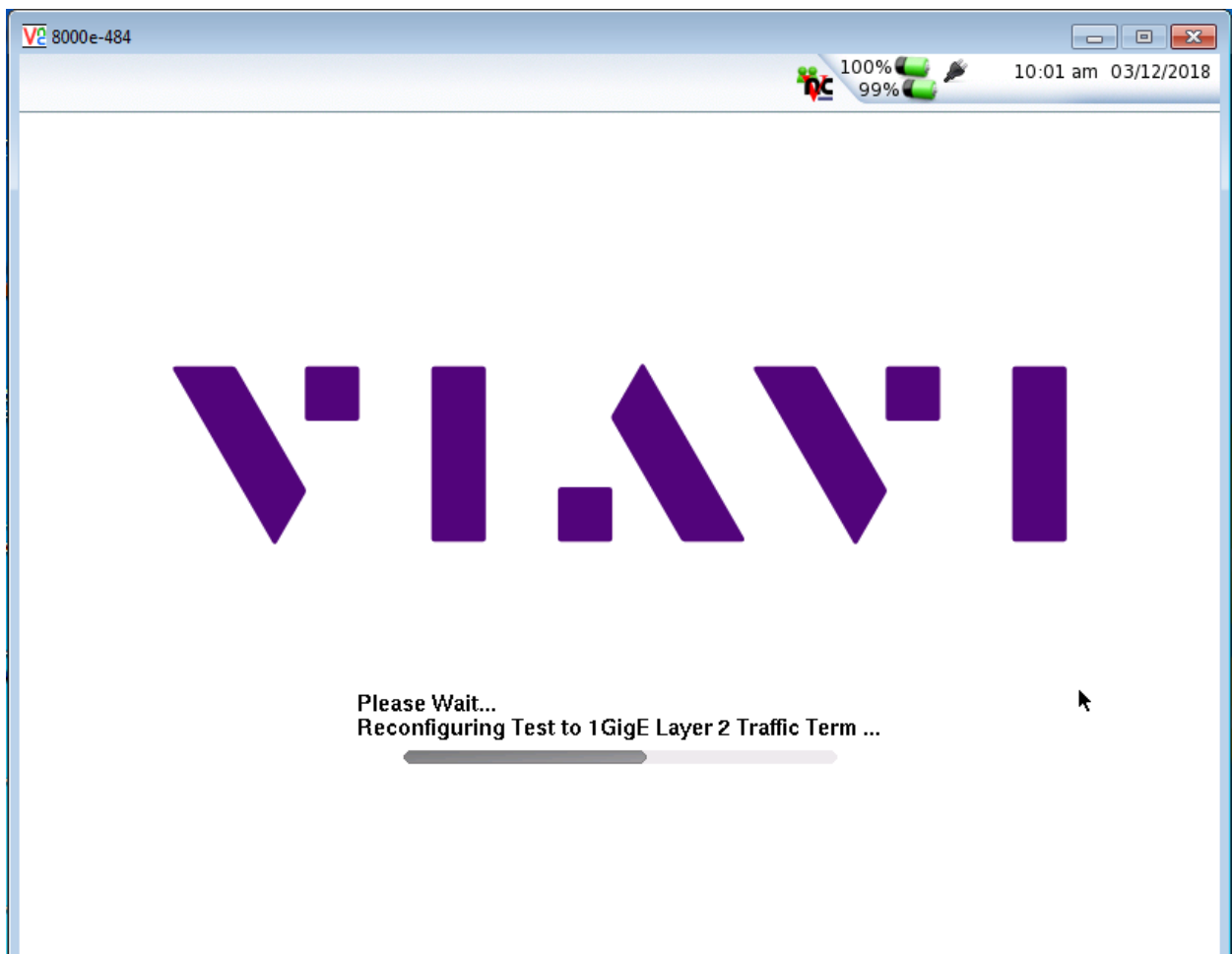
2. Select Test Ethernet 1GigE Layer 2 Traffic P1 Terminate



3/12/2018

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3. The Test will launch

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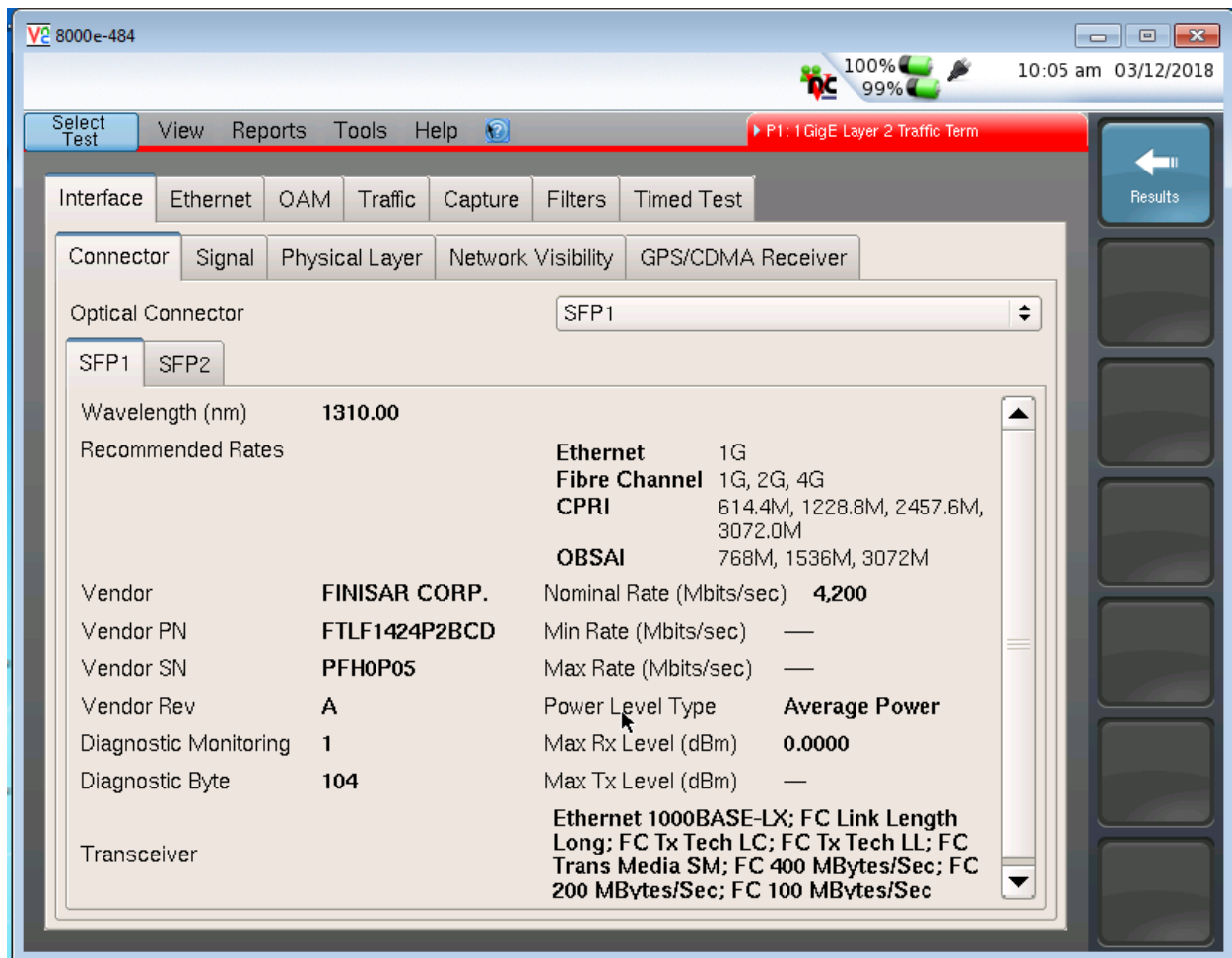
The screenshot shows the T-BERD/MTS-8000E software interface. At the top, the window title is '8000e-484'. The main menu includes 'Select Test', 'View', 'Reports', 'Tools', and 'Help'. The current test is 'P1: 1GigE Layer 2 Traffic Term', which is in a 'Running' state. The test mode is 'Traffic' with a frame size of 512. The interface is divided into several sections:

- Summary Results:** A table showing test metrics. The 'Signal Present' status is 'OFF' and 'Signal Loss Seconds' is '149'. The 'SLA / KPI' section lists various performance metrics, all of which are currently 'Unavailable'.
- Configuration:** Includes 'Ethernet' settings, 'Payload' (Traffic), 'LBM/LTM', and 'J-Connect'.
- Hardware/Advanced Settings:** Includes 'Laser' (Off), 'SFP1' (SFP1), 'Clock Source' (Internal), and 'Freq Offset (ppm)' (-1, +1, -10, +10).
- Control Panel:** On the right side, there are buttons for 'Setup', 'Restart', 'SAM-Complete', 'Enhanced RFC 2544', and 'QuickCheck Toolkit'.

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

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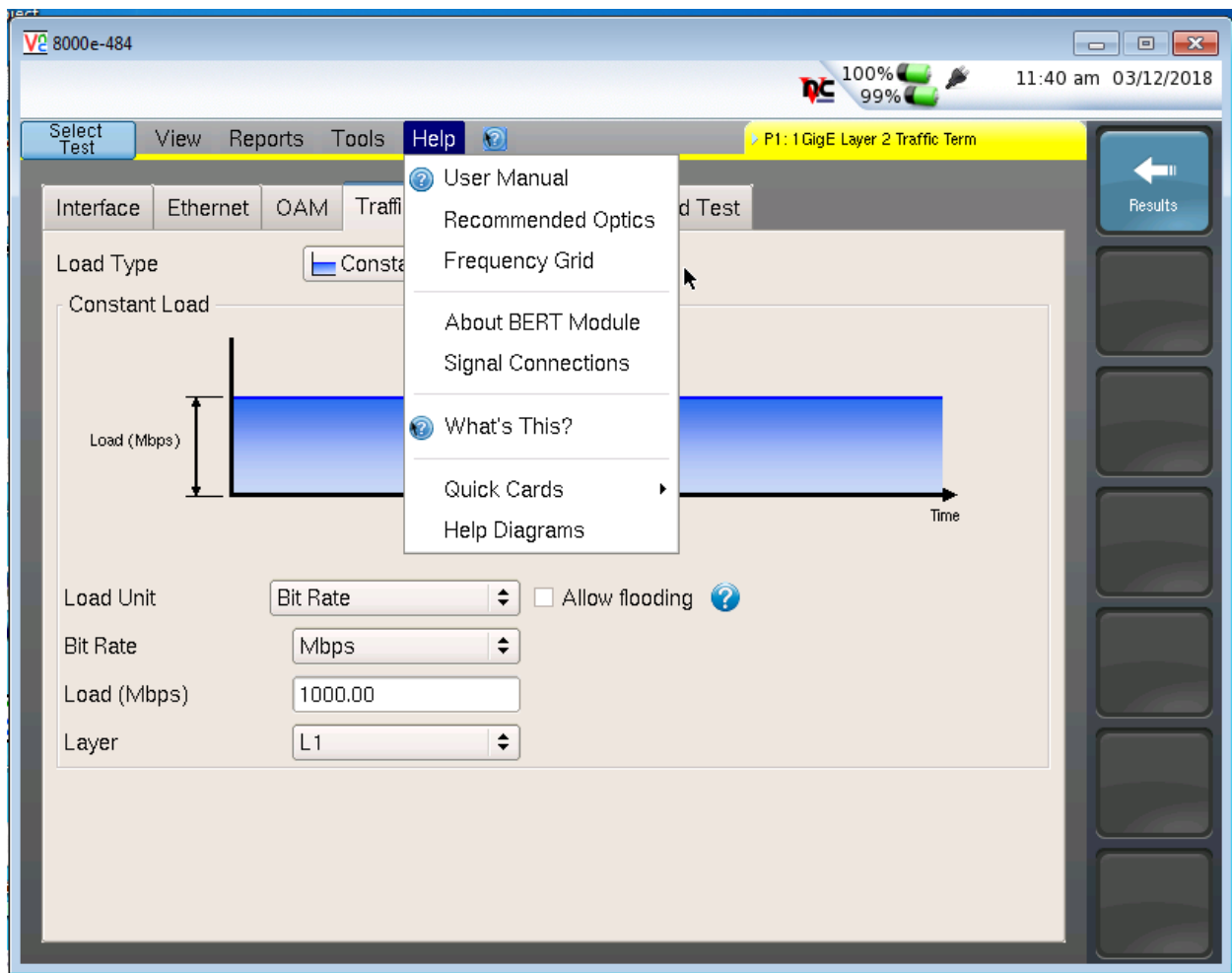
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5. Select Interface and Connector verify that your SFP is a 1310 for Single mode or check the circuit order to see if the circuit requires a Multi Mode 850 SFP and Select Results

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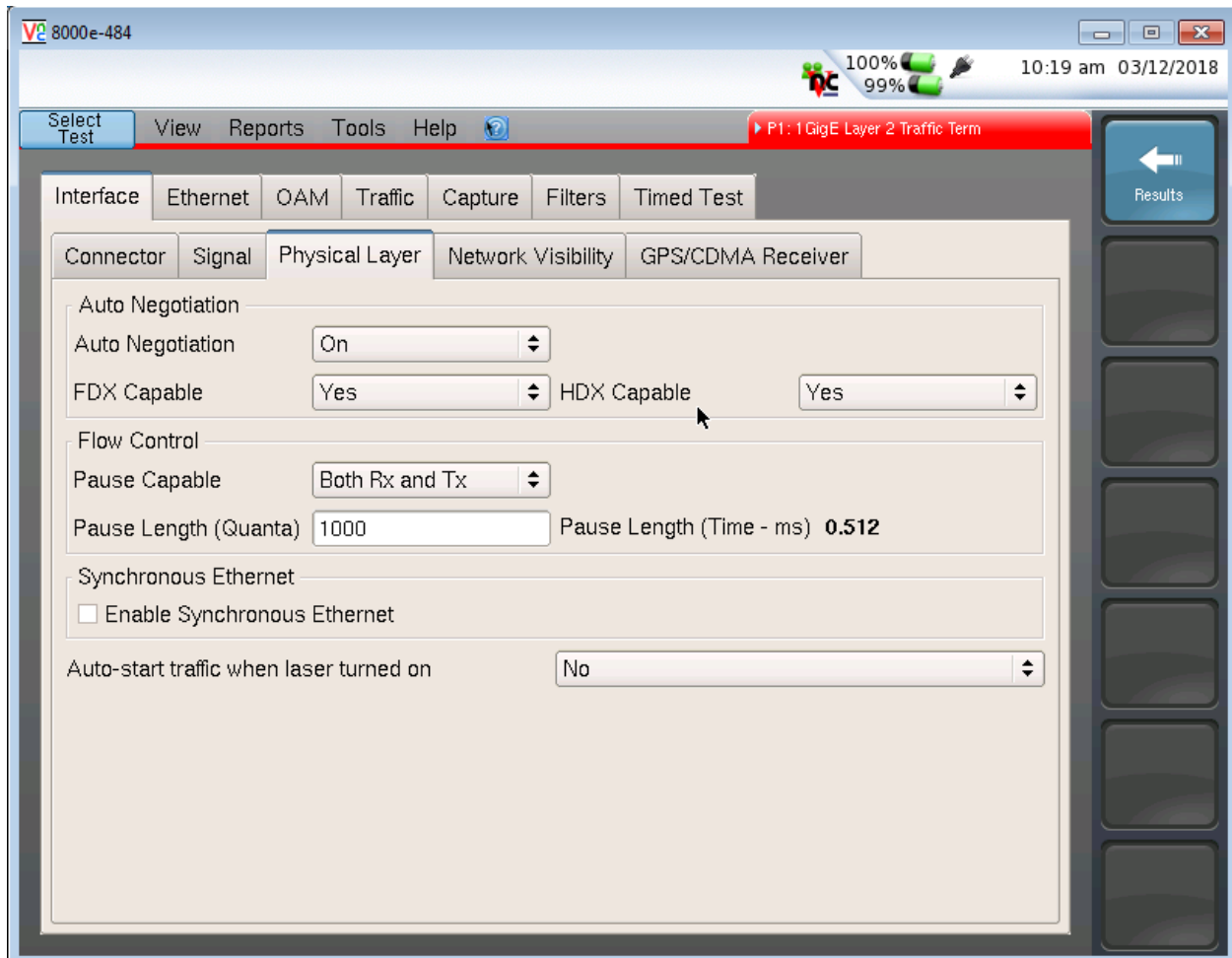
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6. Select Help you can find a list of Recommended Optics

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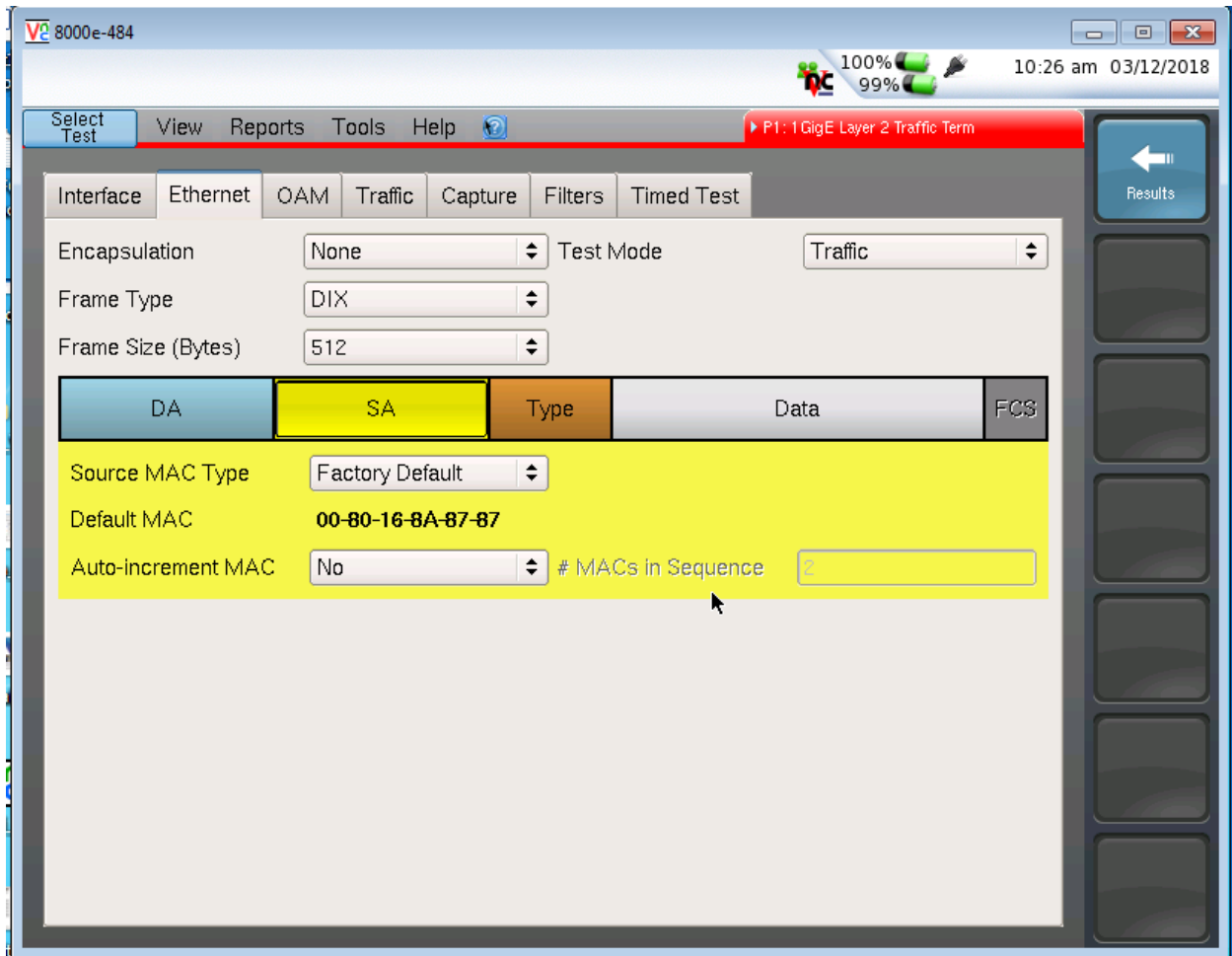
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7. Select setup and Physical Layer Tab Set Auto Neogiation to on/off Per Circuit order in this example Auto neg is set to on

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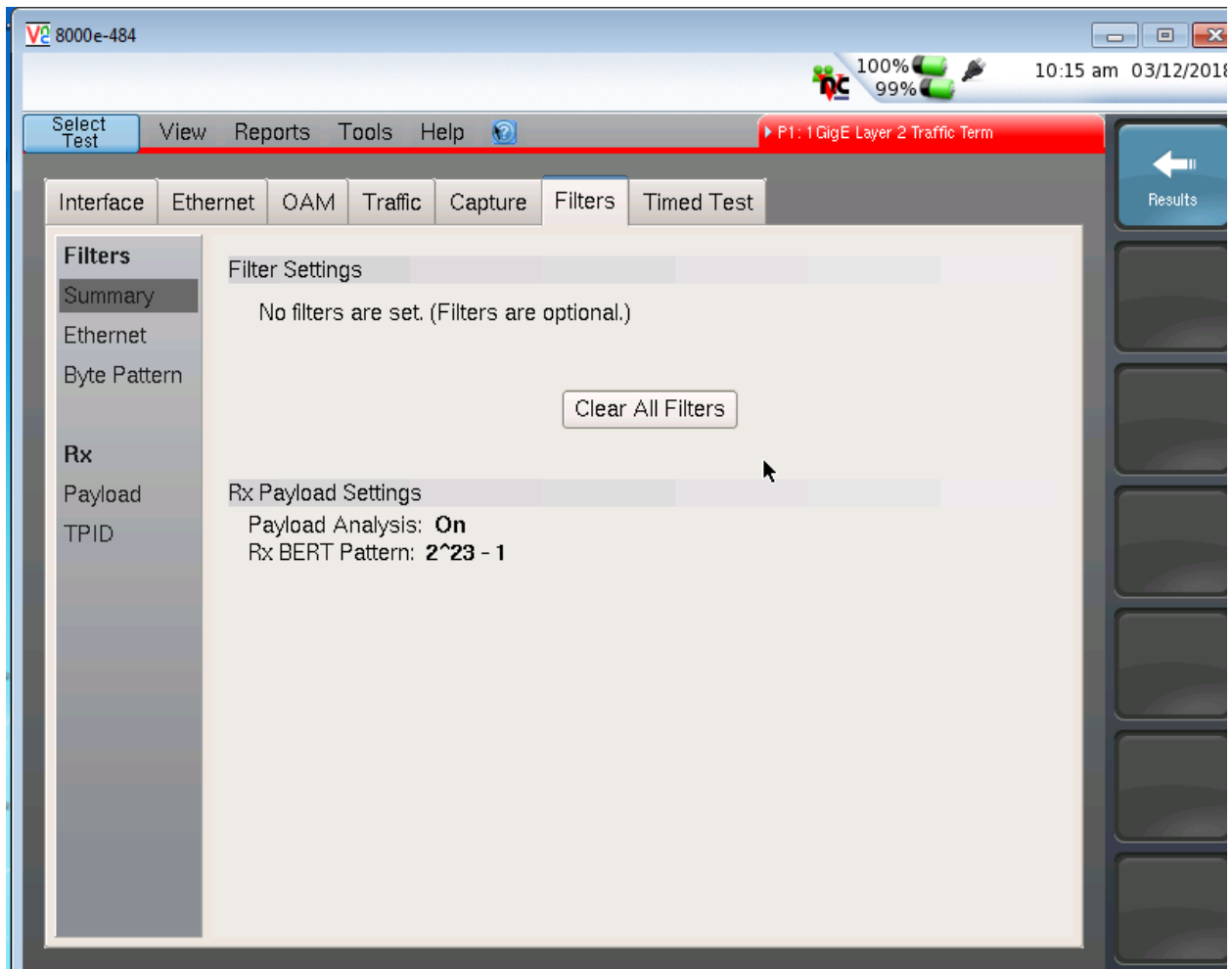
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8. Select the Ethernet tab Encapsulation None Frame Type is DIX Frame Size is 512 and Select SA give the CO your Default MAC address (Note: IF a VLAN TAG is required Select Encapsulation and Select VLAN Enter your ID PIR is 0). Select Results

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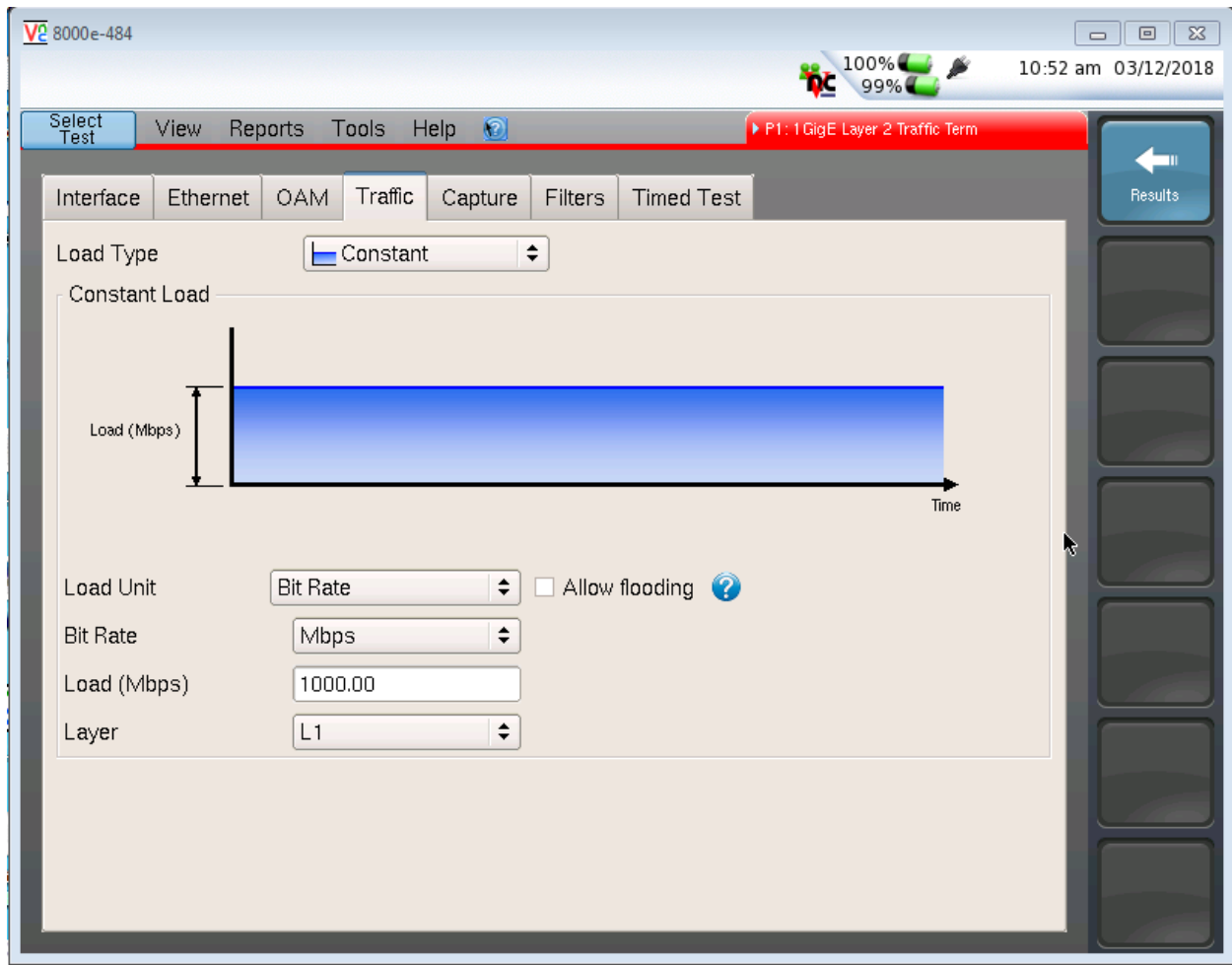
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9. Select the Filters tab and Summary and Clear All Filters and then select Results

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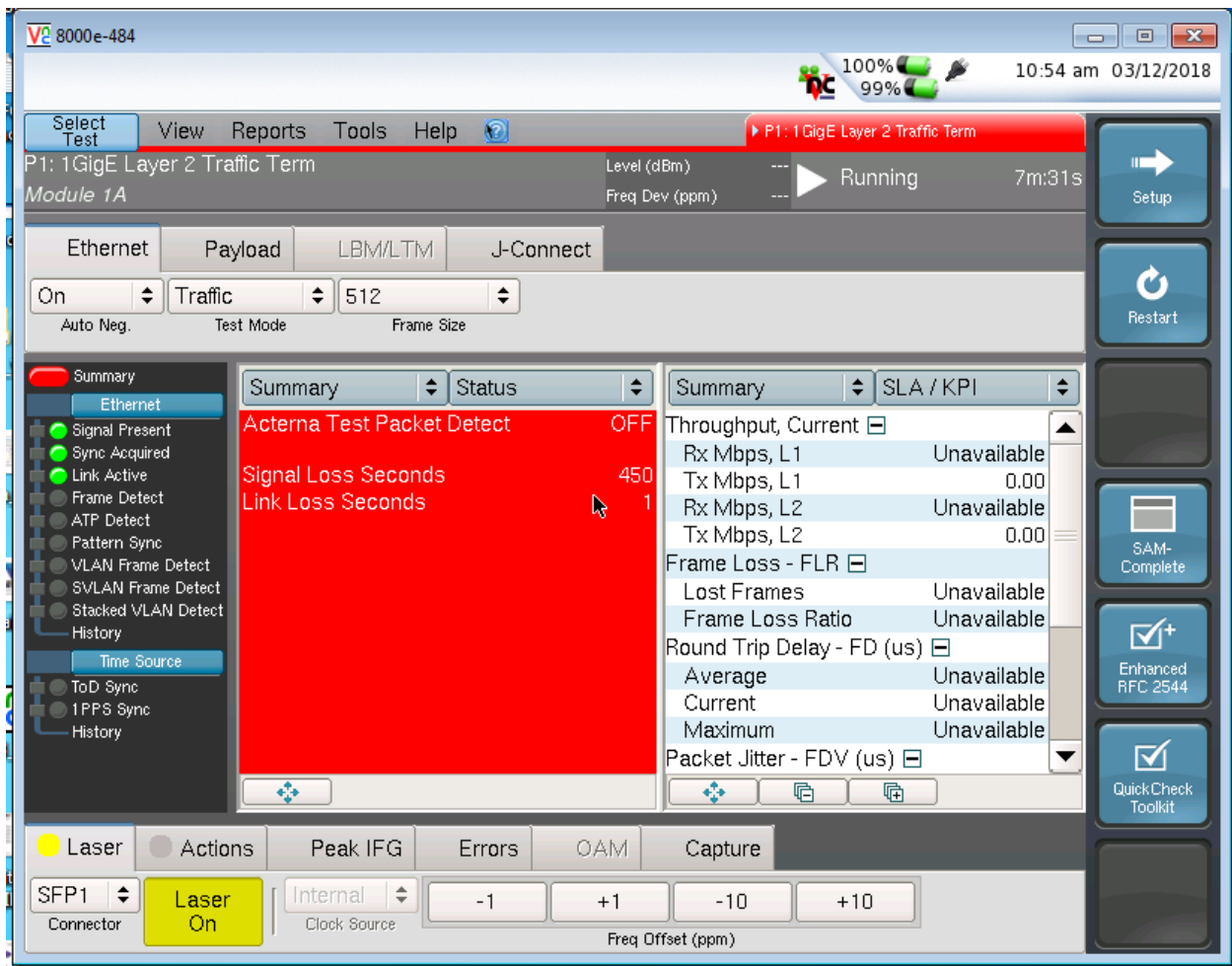
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10. Select Traffic verify that your Load Type is Constant and that your Load Unit is Bit Rate Load (Mbps) 1000.0 Layer 1 Select Results

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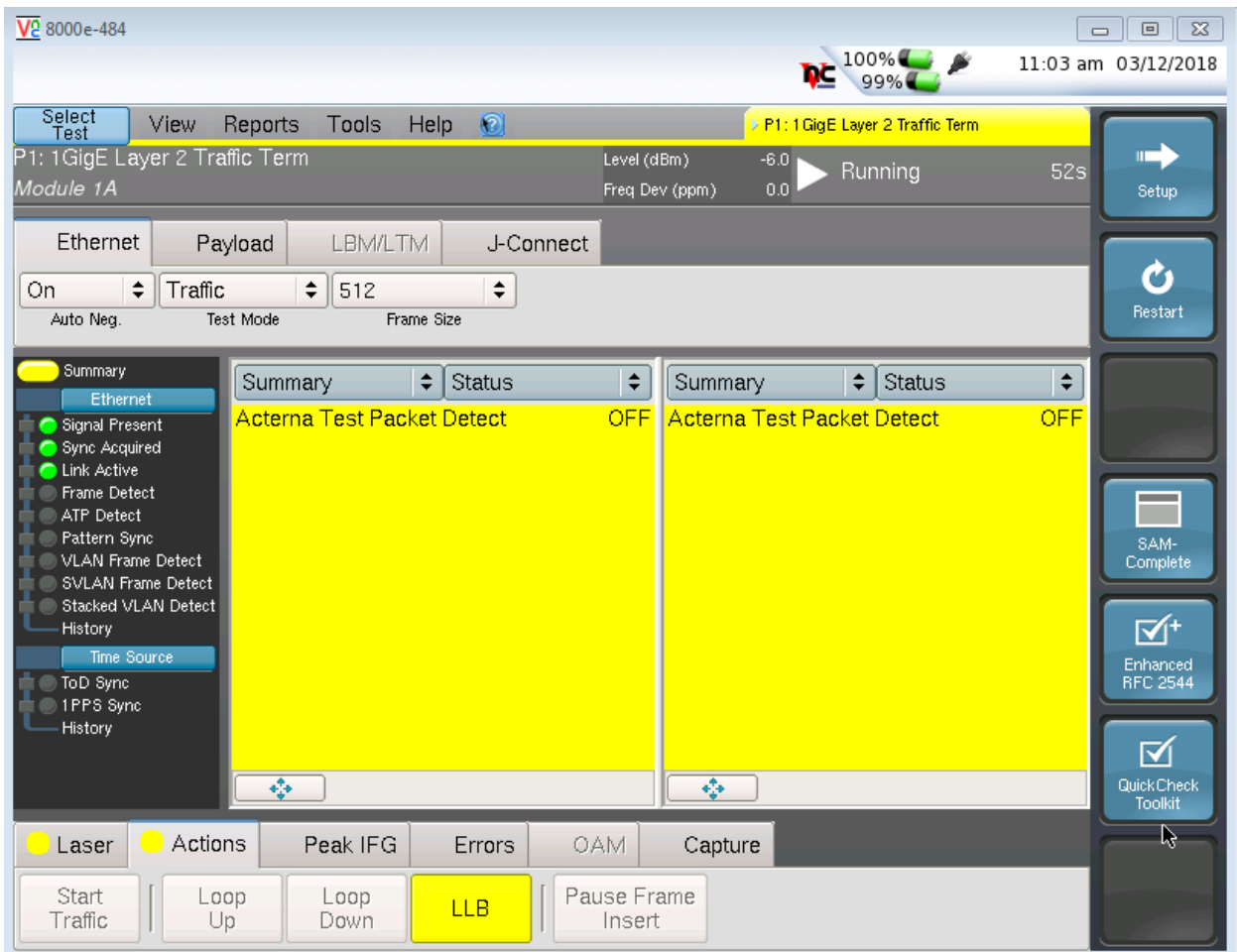
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11. Select Laser and turn on our Laser it will be Yellow Signal, Present, Sync Acquired and Link Active will be Green

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12. Verify you have a Green Sync Present Sync Acquired, Green Link is Active and Select Actions and then select LLB CO will Run the RFC-2544 test. This will put the unit into loopback and will transmit out any traffic it receives and do a MAC swap in the process.