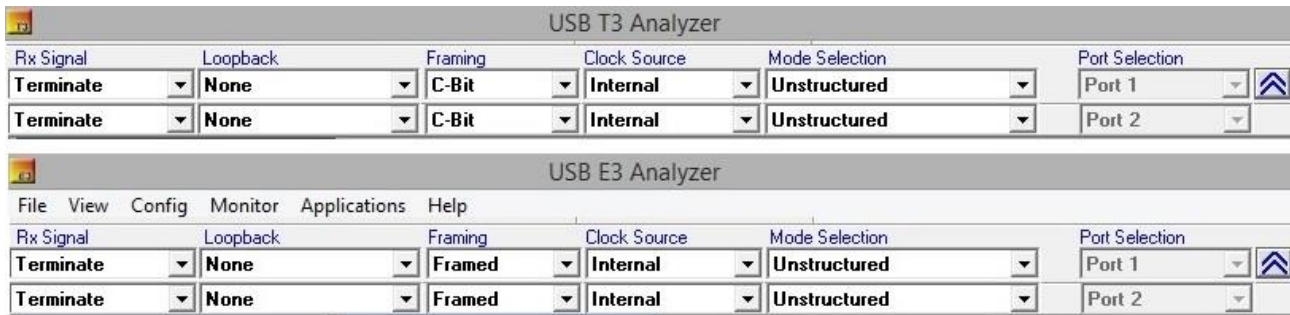


### Quick Steps

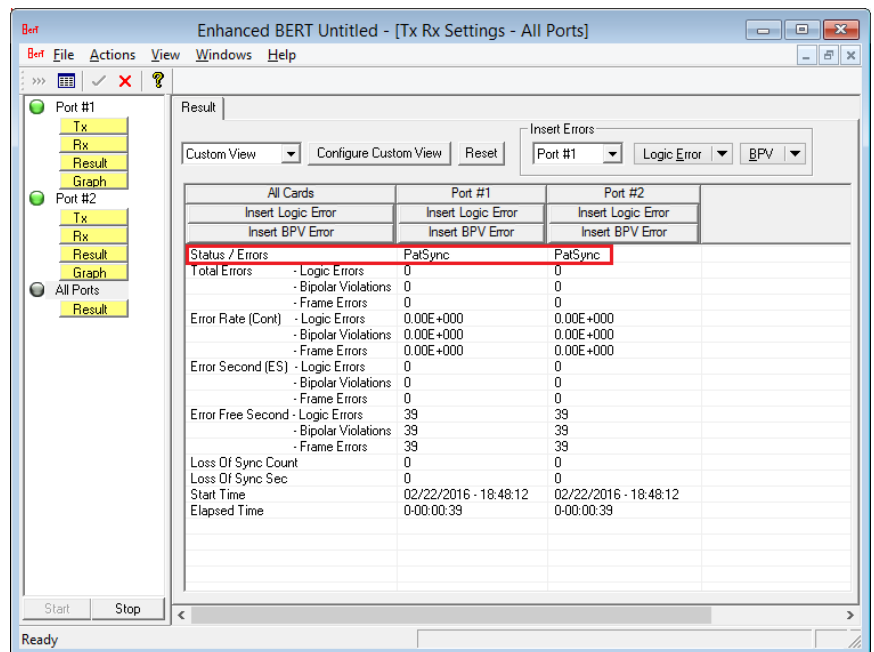
- After successful installation of **USB T3/E3 Analyzer Hardware**, connect the **Port #1** and **Port #2** in loopback, i.e., **Tx[Out]** of **Port 1** is connected to **Rx[In]** of **Port 2** and **Rx[In]** of **Port 1** is connected to **Tx[Out]** of **Port 2** with BNC Cables.



- Double-click on the **USB T3/E3 Analyzer** (Analyzer) shortcut icon on the Desktop, the application should come up.
- On the **Card Setting** dialog, for **Port #1** and **Port #2**, set the options as shown below.



- From the main window, select **Applications** → **BERT** to invoke **Enhanced BERT** application.
- In the left pane, under **Port #1**, click on **Tx**. This will enable the Tx settings options for the user to edit the settings as required.
- In **Tx** settings, uncheck the option “Transmit Receive Coupled Settings (Tx=Rx)” and select the BER Patterns as **QRSS**.
- On **Port #1**, click on **Rx** and select the BER Patterns as **2^6-1**.
- On **Port #2**, click on **Tx**, uncheck the option “Transmit Receive Coupled Settings (Tx=Rx)” and select BER Patterns as **2^6-1**.
- On **Port #2**, click on **Rx** and select the BER Patterns as **QRSS**.
- In the left pane, select **All Ports** and click **Start** to start transmitting and receiving BER Patterns on both the ports.
- In the left pane, click on **Results** and observe that **PatSync** is being displayed on both the ports indicating hardware levels are working properly without any errors.



## Troubleshoot

If there are any problems while conducting the above test, please troubleshoot with the following steps:

- Check if the analyzer software invokes with the following alarm errors then, ensure that BNC cables are connected properly.
- Check if the Card settings for **Rx Signal** is set to **Terminate** mode, **Loopback** is set to **None**, **Framing** is set to **C-Bit**, **Clock-Source** is set to **Internal**, **Mode Selection** is set to **Unstructured** for both the ports and click on **Reset All** button on the **Monitor #1** and **Monitor #2** windows to get the sync on both the ports.
- If the optional software is not activated, you may have not installed the Hardware licenses properly. Install the Hardware licenses given in the USB Installation stick.
- Ensure that the Power Adapter is connected to the USB T3/E3 Analyzer and to the AC Power on the strip or Wall. Ensure that the Power Strip is ON.
- Make sure that the USB cable is securely connected to the USB T3/E3 Analyzer and to the PC USB 2.0 Connector.
- Follow the detailed instructions in the **USB T3/E3 Analyzer Installation Guide**.
- If you are still having issues or have any other related questions, please contact GL Communications Inc.

