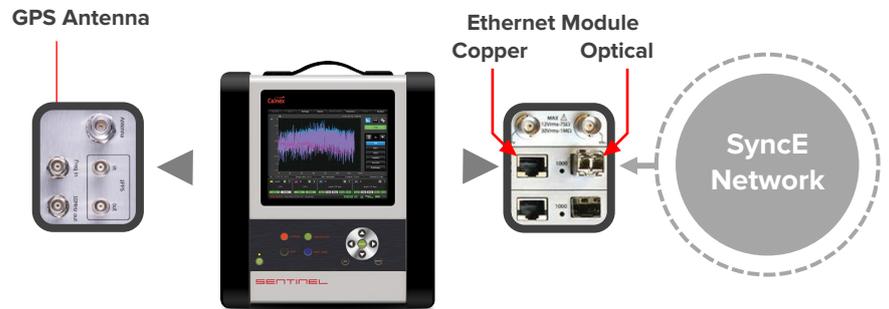


This setup guide shows you how to configure the Calnex Sentinel to measure wander in a Synchronous Ethernet (SyncE) network.

Setting up a SyncE Network Test

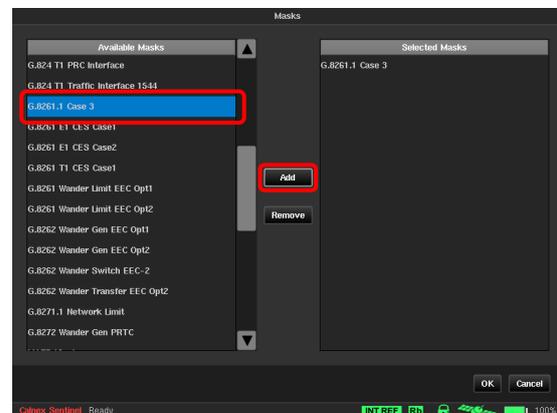
Note:

- Note this test requires at least one Ethernet module to be present in the Sentinel and a GPS antenna connection.
- Before performing these steps, power on the Sentinel.
- Refers to x.9.1.0 firmware



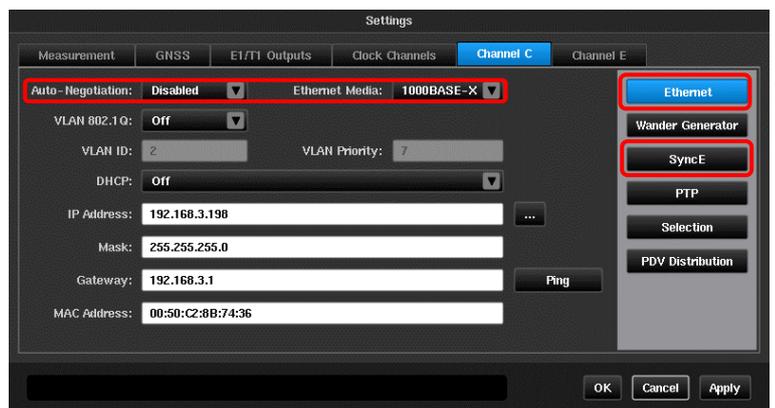
STEP 1

- In the **Settings-> Measurement->Common** page set **Test mode** to **TIE only** and **Duration** as required.
- In the **Settings-> Measurement->Timebase** page set **Internal Reference Disciplining Source** to **GPS** and **Internal Reference Disciplining Mode** to **Always**.
- From the **Masks** tab on the main screen, add the appropriate G.8261 mask to the list of masks to be used during the test.



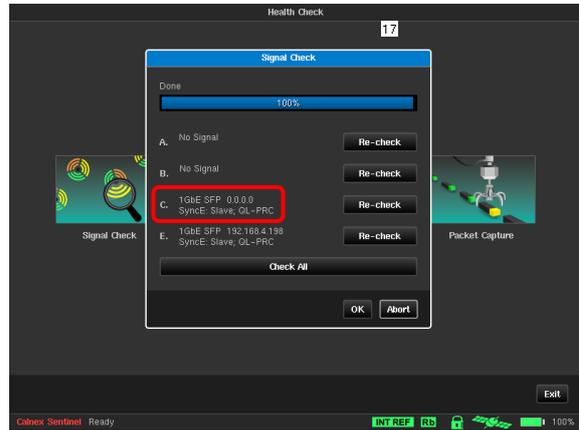
STEP 2

- From the main screen, select the **Settings** tab then the **Channel** tab associated with the Ethernet module being used. (**Channel C** is Sentinel slot 2, **Channel E** is Sentinel slot 3).
- On the **Ethernet** page set the media to match the network connection.
- Ensure **SyncE->Mode** is set to **Slave**.
- Press **OK**.



STEP 3

- To validate the signals, click on the **Health Check** tab on the main screen and then select **Signal Check**.
- The Channel connected to the master should show as a **SyncE: Slave** and display any ESMC messages received from the network (e.g. QL-PRC).
- Press **OK**.

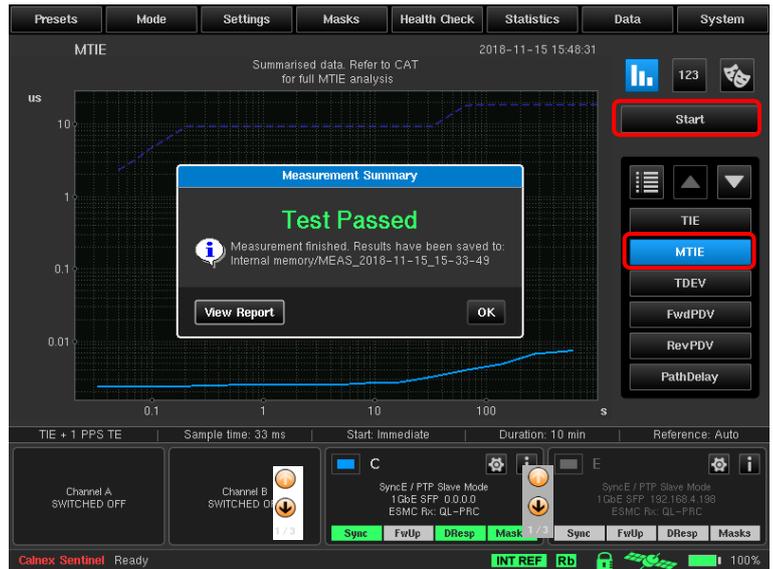


STEP 4

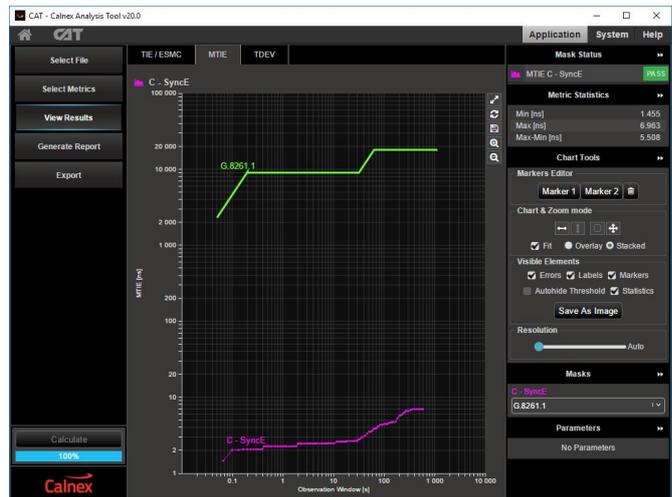
- Click on the **Start** button to initiate the test.
- Press the **MTIE** button.
- MTIE** results are displayed on the same graph as the mask.

The test will automatically stop when the pre-set test duration is complete, or it can be stopped manually by pressing the **Stop** button.

NOTE: The results are drawn as a solid line in the colour of the PTP channel widget. The mask is shown as a dotted line.



The measurement results can be loaded in to the Calnex Analysis Tool (CAT) for more in-depth analysis and to generate a report.



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This information is subject to change without notice.

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