



VEBKO ONLINE HELP

“Signal View” Setting, Part 1

Category	tester
Section	AMT Sequencer Module
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1 Imported Content

At the top bar of this tab, there is a list of enabled signals in the device inputs or outputs being enabled in "Hardware Configuration" window. each of these signals in "Signal View" window, it should be selected in this bar; Note that "Show Actual Value" should be set to see "Binary Input". For example, " voltage group B" is enabled in "Hardware Configuration" window. Then, by enabling " Binary Input" "C3" on "Trip" signal and setting its "Show Actual Value", these signals are added to the list of enabled signals in order to display in "Signal View" settings that the relevant signal can observed by selecting each one.

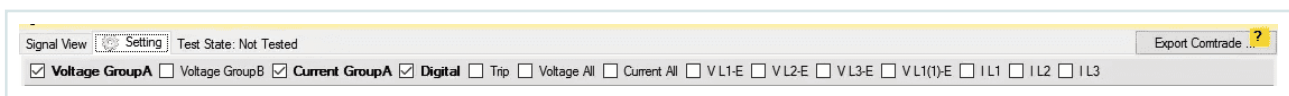


Figure 1

Since the voltage and current outputs of Group "A" are enabled in "Hardware Configuration" window, all voltage and current signals of Group "A" can be observed by selecting "Voltage GroupA" and "Current GroupA". These options can be displayed in this way if "B" voltage and current groups are enabled; in addition we can also have a specific graph for each phase by selecting each one of the phases.

"Voltage All" and "Current All" options represent the voltage and current output signals of groups "A" and "B" in a graph. "Digital" option represents the status of receiving or not receiving "Binary Input" and "Binary Output" signals in a specific graph. For this purpose, set the "State" time to 5 seconds in "Detail View" and "Trigger" is set to 1 "C3" binary. After performing the test, this binary is short circuited and you can see that receiving the signal is shown on "C3" binary in "Digital" graph.

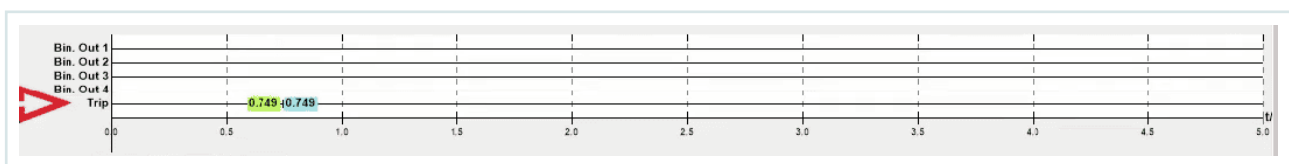


Figure 2

In "General Setting", the settings related to the display of signals is performed. In Radio Button, displaying the signal will be effective by selecting "RMS" in button radio, and the signal display will be instantaneous by selecting "Inst".

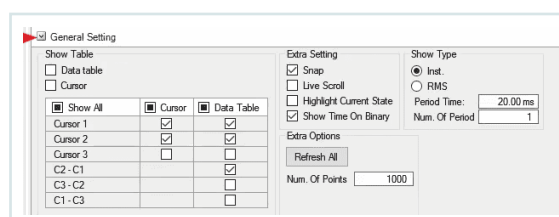


Figure 3

Two options "Period Time" and "Num. Of Period" in this section for the "Actuals" being received from the device.

"Period Time" is used for indicating the time of a period and the default value is set according to frequency, but you should change this manually by changing the frequency."Num. Of Period" is used for calculating the "RMS" value based on the average number of several periods. As the number goes up, the longer it will take, while the accuracy increases and there will be less fluctuations.

By selecting "Live Scroll", you can easily observe the voltage or current signal changes at any moment of the injection and the instantaneous signal changes. In order to see this, a test will run on the zoomed signal and you can always observe the moment of injecting the signal.

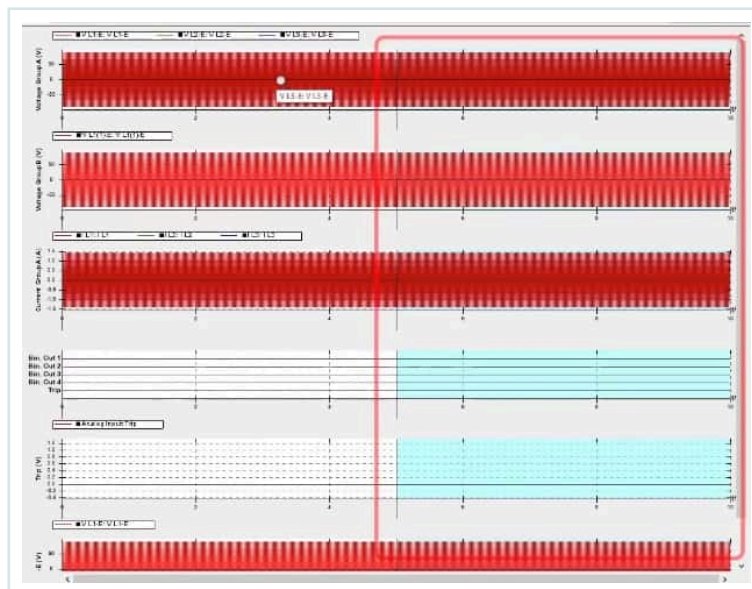


Figure 4

By selecting "Highlight Current State", a part of the signal related to the current "State" is specified. In order to see this, if another State is added, a part of the signal related to the current State will be highlighted. "Show Time On Binary" displays the time related to disconnecting or connecting the output and input binaries to "Digital" graph. For observing it, run the test , on which the time is shown by connecting and disconnecting the "C3" binary.

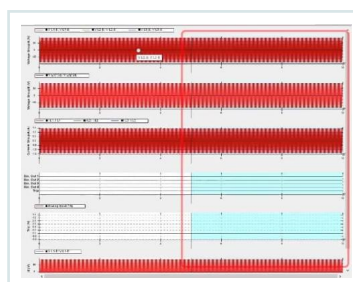


Figure 5

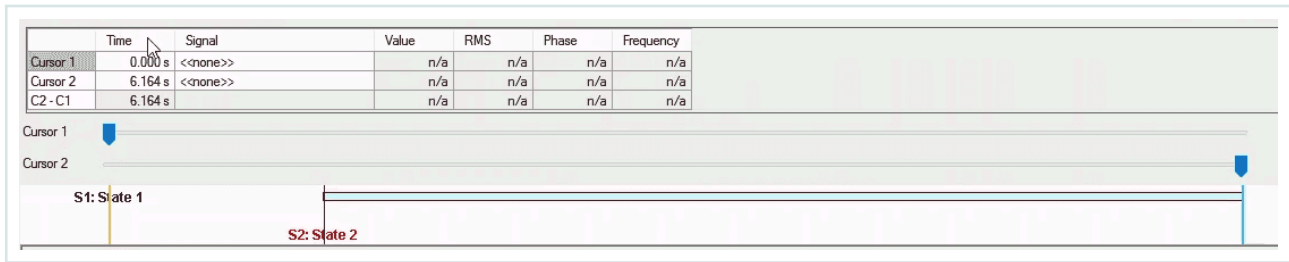


Figure 6

In "Show Table", the settings related to "Cursors" and "Data Table" are made. First, you should enable Cursor and Data Table by selecting them at the top of the table. In this table, up to three "Cursors" can be enabled in "Cursor" column and Data Table can be used for analyzing the signals. Remember to show the data in each "Cursor" in "Data Table" the related "Data Table" column should be checked. In addition, three other rows specific to the difference between "C1", "C2" and "C3" cursors can be enabled or disabled in "Data Table" column. After enabling "Cursor" and "Data Table" at the top of the table, you will see a table and two "Trackbars" added to "Signal View" window. "Time" column represents the time when the "Cursor" is on it. In "Signal" column, a signal is dedicated to "Cursor". "Value" column represents the signal value, "RMS" column represents the effective signal value, "Phase" column shows the signal angle and in "Frequency" column, the test frequency is displayed.

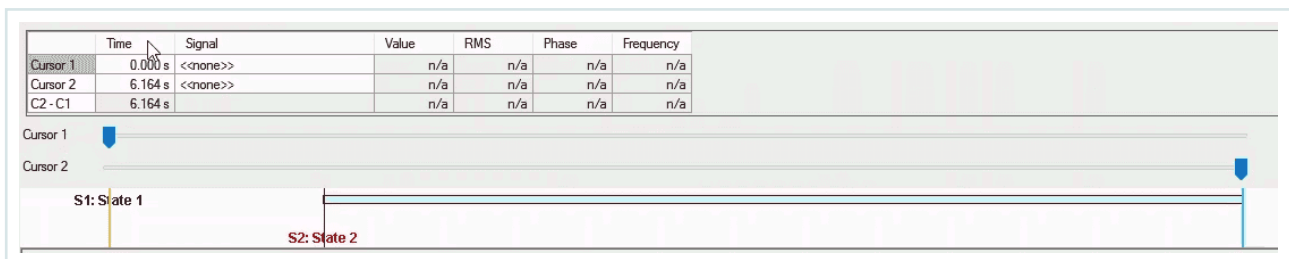


Figure 7

In "Extra Setting", "Cursor" attaches to the moment of receiving the digital signal and increases the reading accuracy by "Snap" while "Cursor" is enabled and by approaching "Cursor" to the moment of recording the digital signal. In "Extra Options" and "Num. Of Points" field, the number of sampling points from the signal is specified and if you can reduce this value, you will see that displaying the signal will leave the full sinusoidal state. "Refresh All" refreshes all computational sections in "Signal View" window.

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