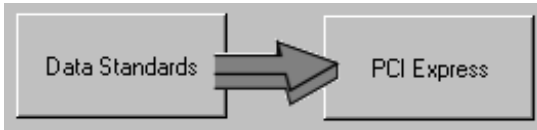
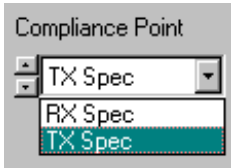




From the Main Menu, press "Data Standards" and PCI Express to open the tool.





Select your compliance point, Transmitter (TX Spec) or Receiver (RX Spec).



The software settings default to the setup as described above, and should not need to be changed. If there is not a PM50 installed, or you wish to change the pattern you can choose "Acquire Options" or "Pattern Options" to change the settings.

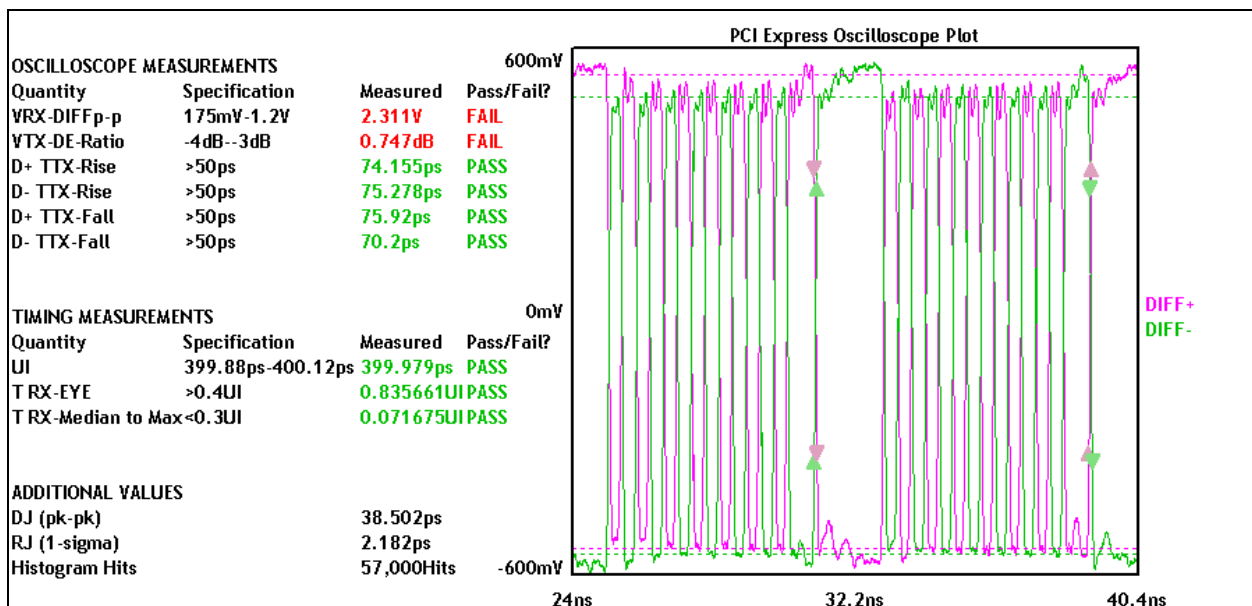
## Making the Measurement and Understanding Results

To perform the measurement, first, click the 'Pulse Find' button  to automatically set the voltage levels.

Then click the 'Single/Acquire' button . Several views are available once the measurement is complete. All views are displayed with the results summarized to the left of the plot. The specification value, the measured value and Pass of Fail is displayed. Additional values are displayed below. These values are not directly required for the Specification, but are useful for diagnostic purposes in the event that a test fails or only passes by a small margin. The Summary view shows the rev of the specification that the tool will measure. Many specifications continue to evolve and may change. Check to see that this is the current specification release.

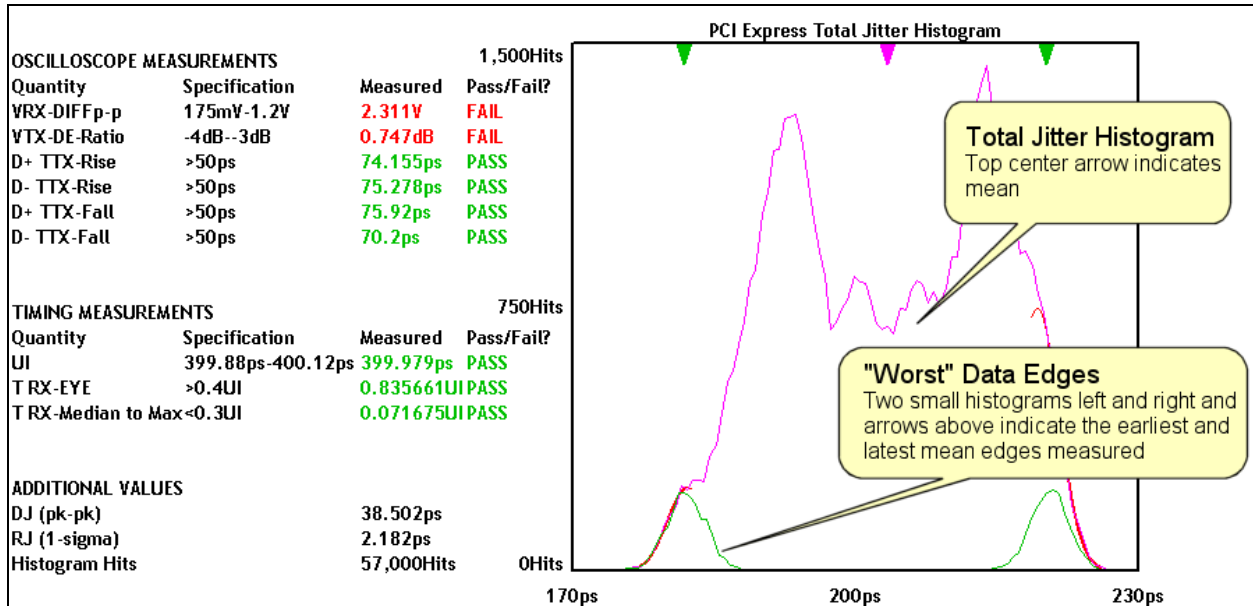
## Oscilloscope View

This view shows the voltage vs. time for a portion of the pattern. Measurements are summarized on the left.



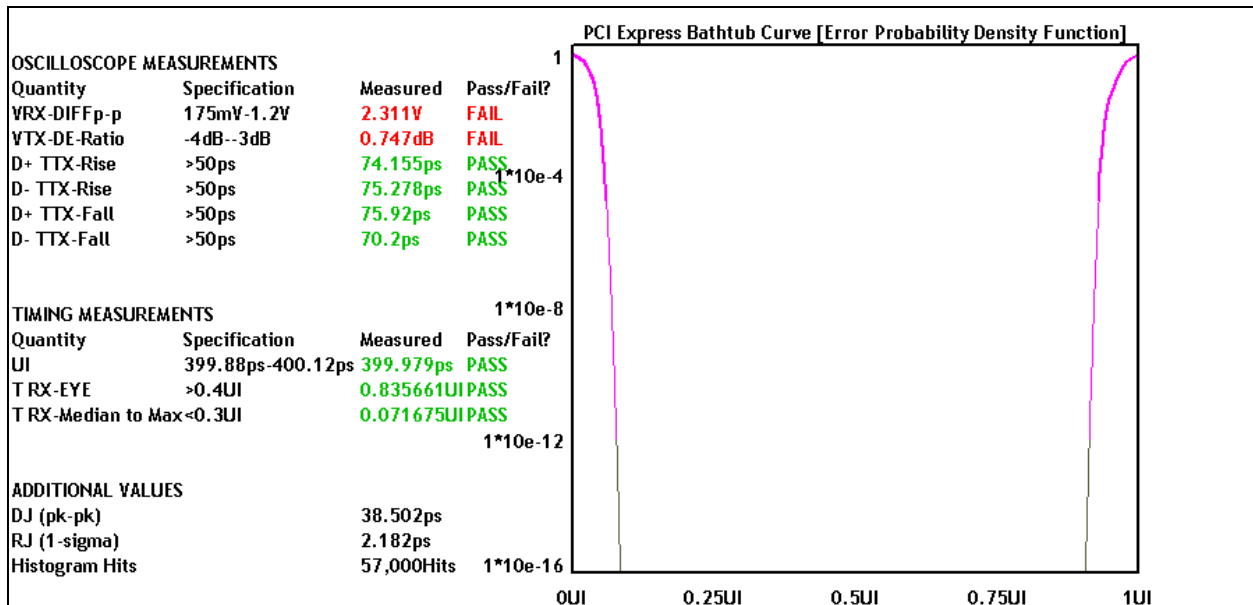
## Total Jitter Histogram View

The Total Jitter Histogram view shows the Clock to Data measurements. An arrow at the center top of the plot indicates the *mean* of the Total Jitter Histogram. The two other histograms, to the left and right, are the histograms of edge measurements from the earliest and latest measured mean edge times. The *mean* for each of those are indicated by different colored arrows at the top left and right.



## Bathtub Curve View

The Bathtub curve shows the predicted Total jitter at a specific Bit Error Rate. Bit Error Rate is displayed on the vertical axis and one UI is displayed on the horizontal axis. As jitter increases, the two lines will move closer to each other.



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