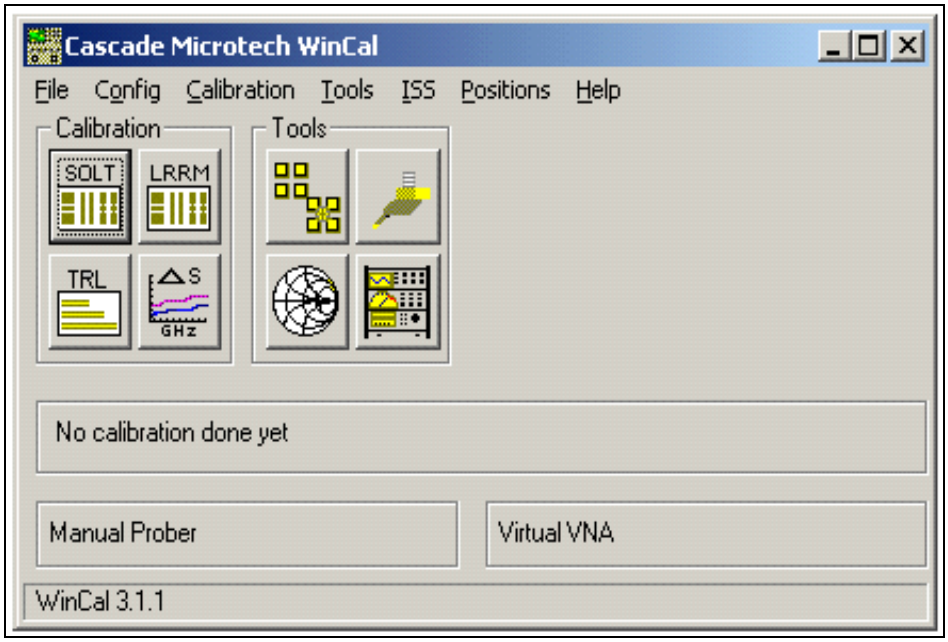
Technical Publication

CASCADE MICROTECH

Innovating Test Technologies

VNA CalKit for Probes

WinCal Instructions



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Using WinCal

How to setup a CalKit on the VNA

Step 1: Start WinCal. The window as shown in figure 1 is displayed.

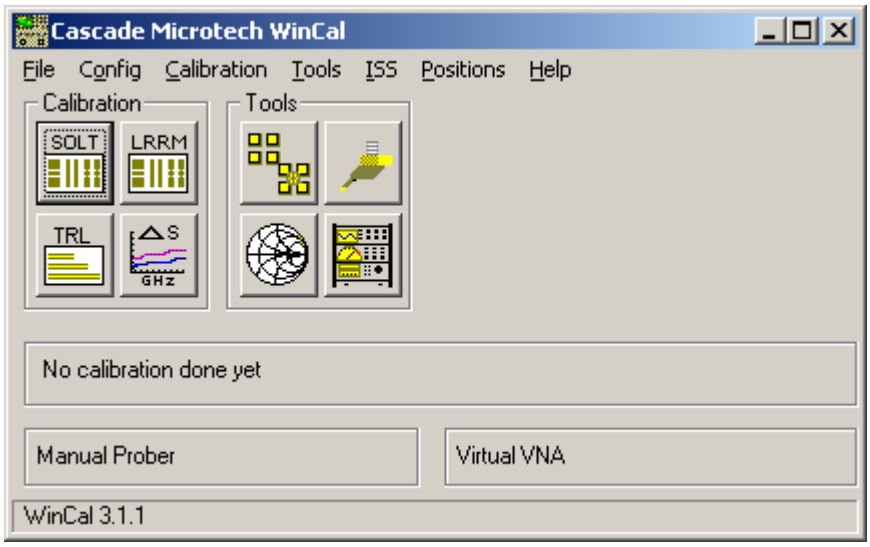


Figure 1.

Step 2: On the Toolbar press Config, then Options… as shown in figure 2.

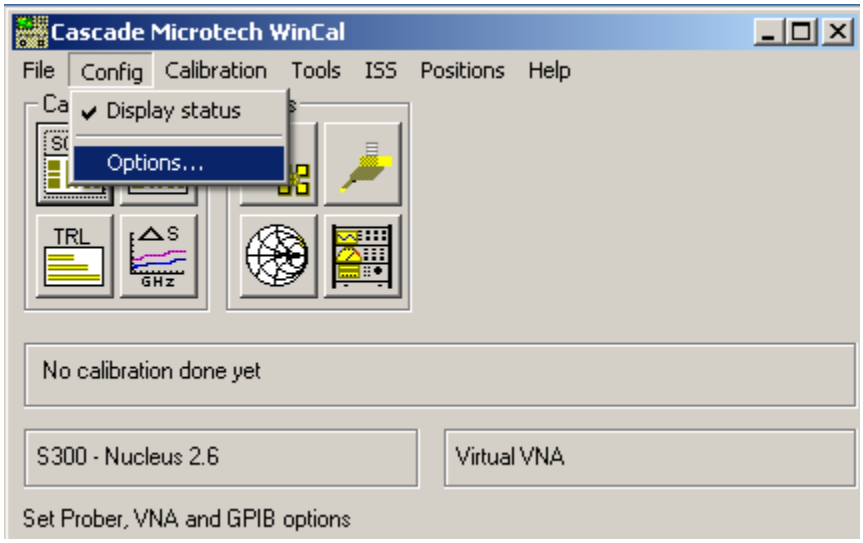


Figure 2.

Step 3: The window as shown in figure 3 is now displayed. Select the vector network analyzer that is being used and verify the correct GPIB address is shown. Press OK.

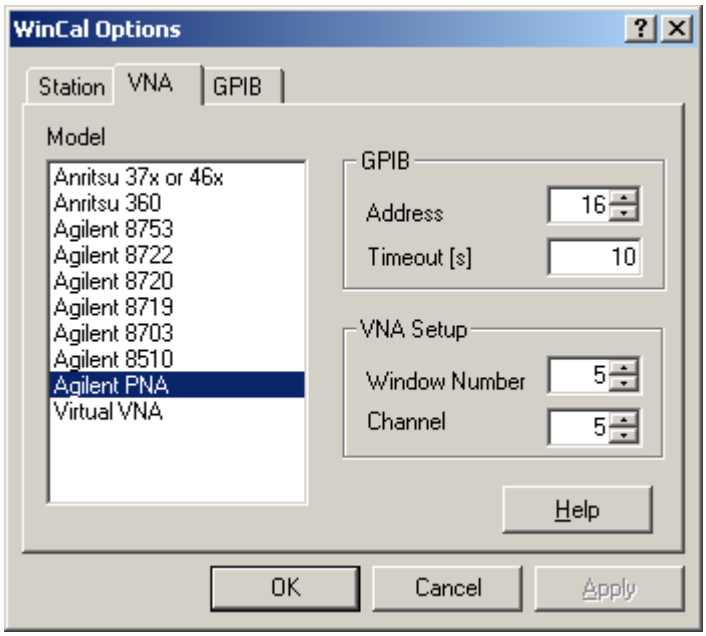


Figure 3.

Step 4: Press the SOLT button as shown in figure 4.

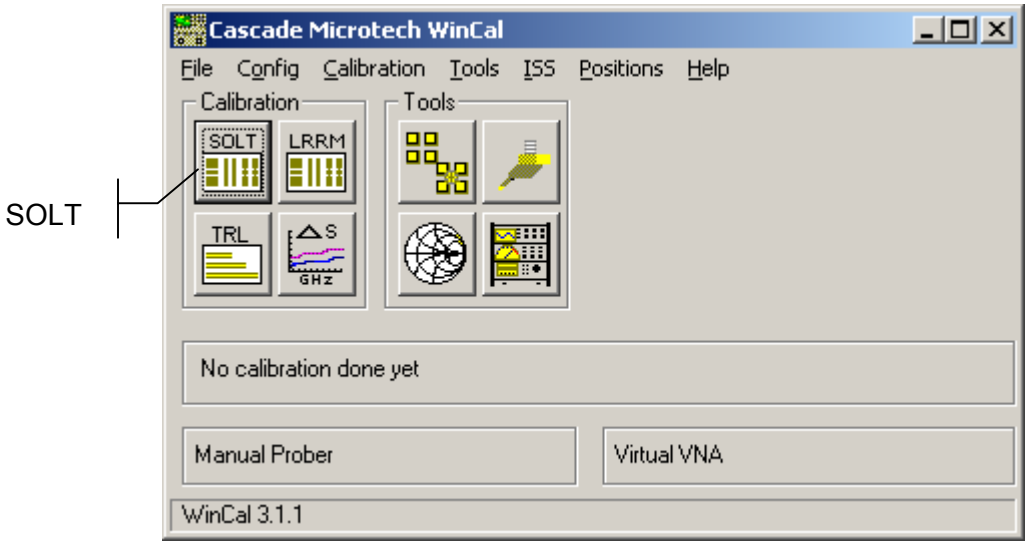


Figure 4.

Step 5: Press the Cal Def button as shown in figure 5.

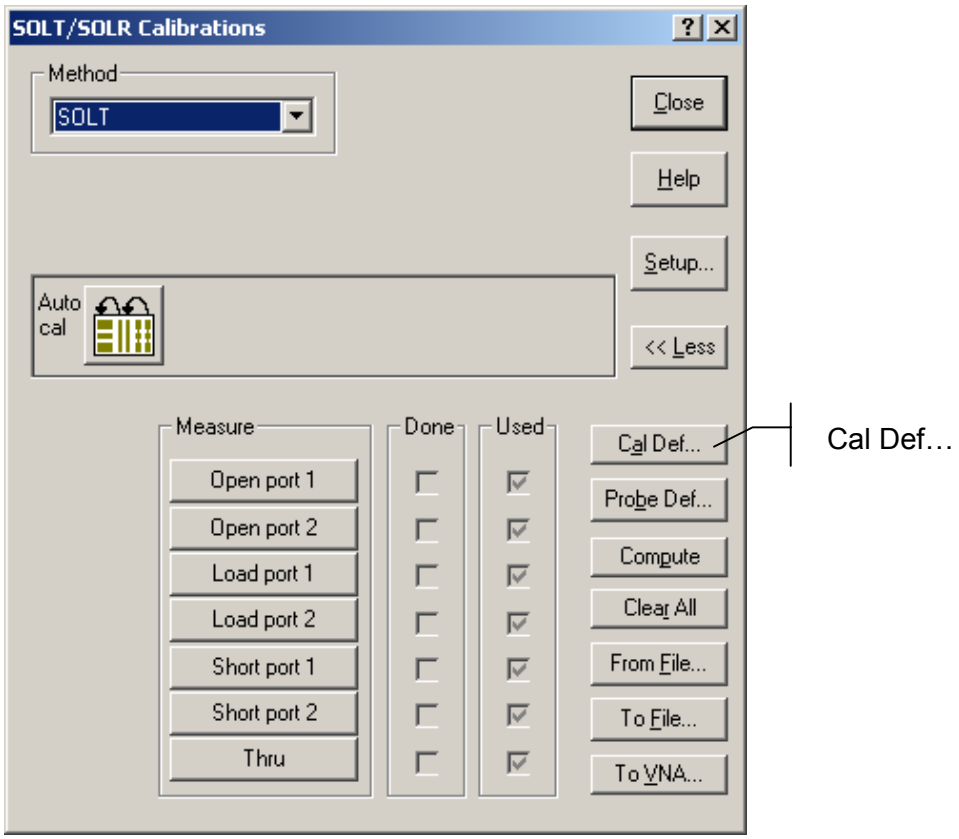


Figure 5.

Step 6: Verify that the correct calibration definitions have been entered, as shown in figure 6. The correct Thru delay for selected Cascade Impedance Standard Substrates (ISS) is shown in figure 7. Press OK.

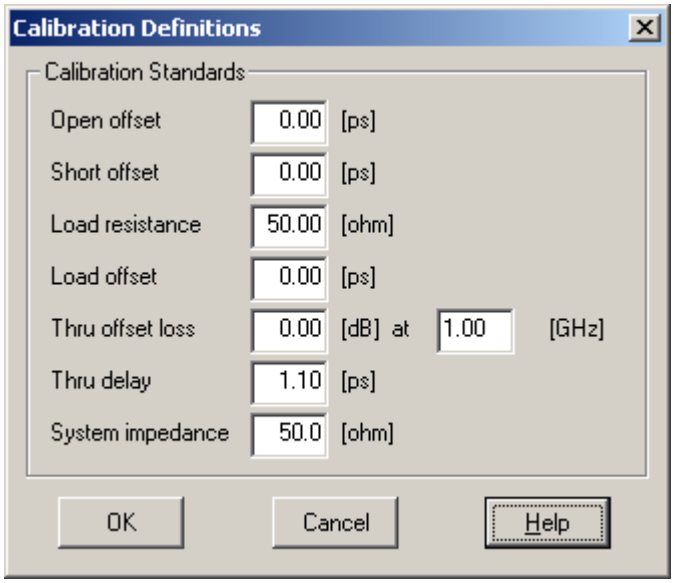


Figure 6.

ISS p/n	Thru delay (ps)
101-190	1
103-726	1
106-682	4
106-683	4
114-456	2
104-783	1
104-909	1

Figure 7.

Step 7: Press the Probe Def button as shown in figure 8.

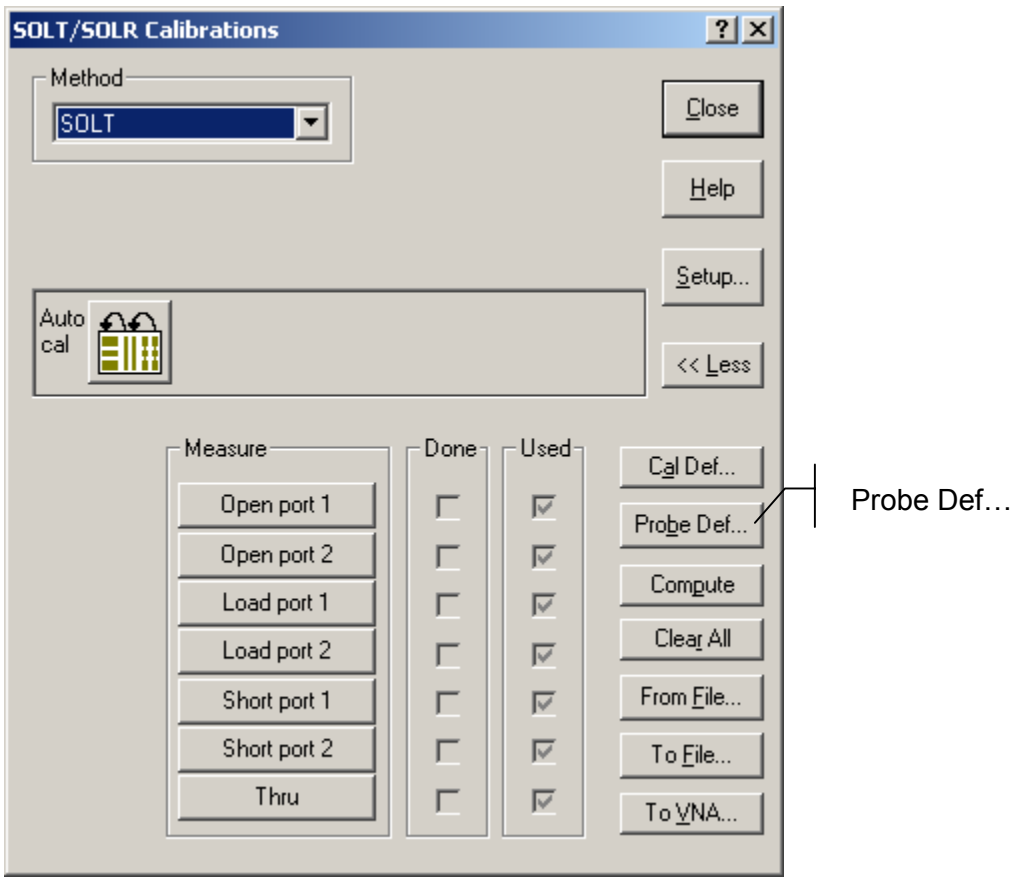


Figure 8.

Step 8: Select Cascade Probe Type on Port 1 and 2, and then enter the probe pitch. The correct Cal coefficients will then be displayed. Now click "To VNA." This will setup the CalKit in the VNA and store it in the User Kit.

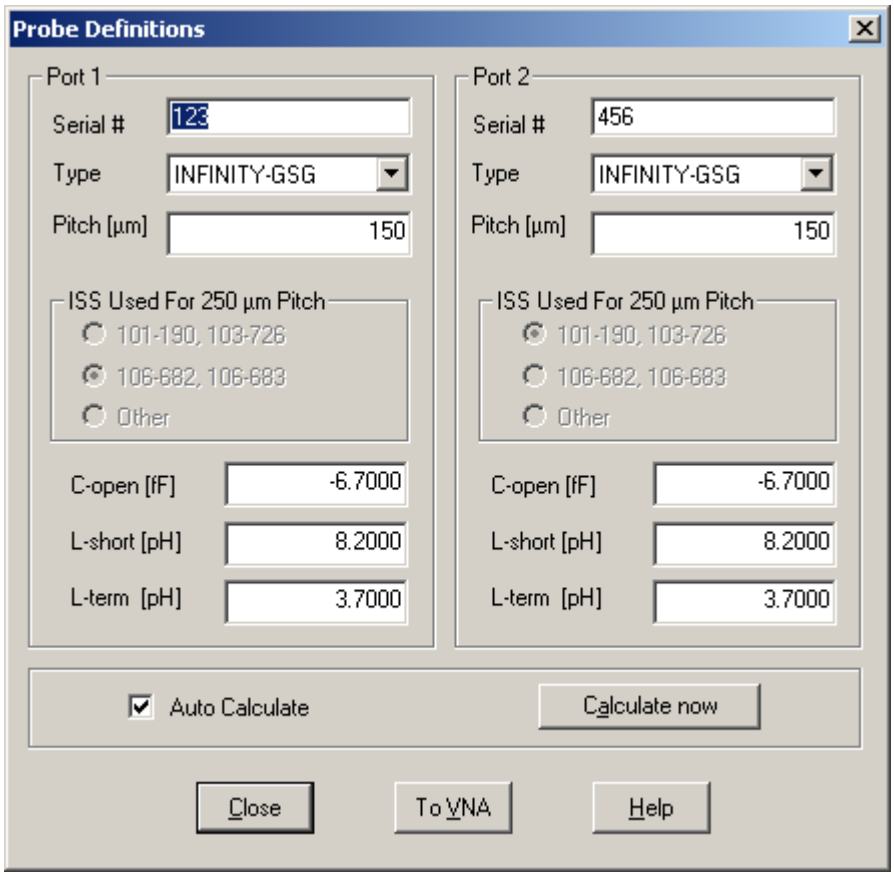


Figure 9.