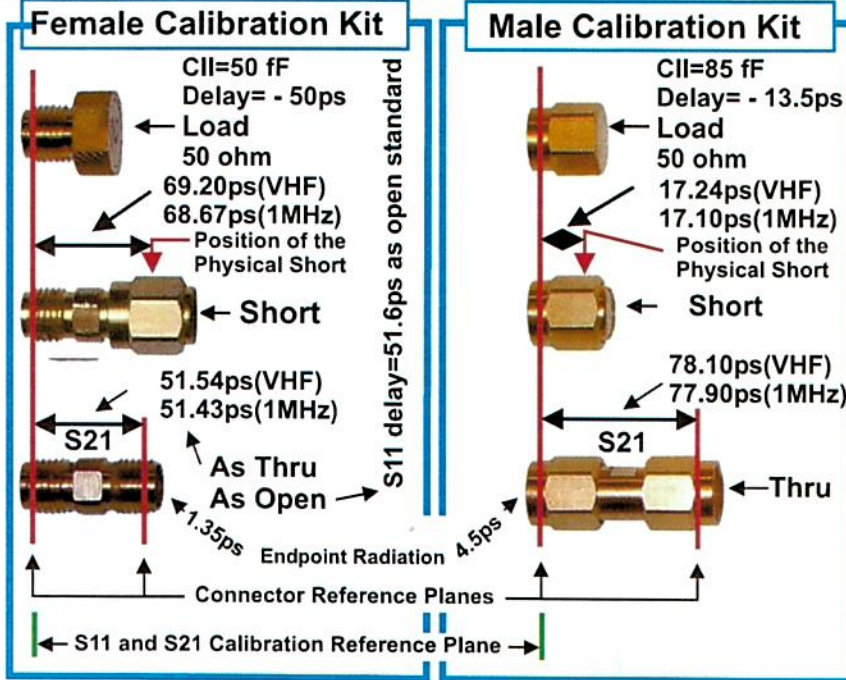


SDR-Kits - Amphenol Connex CAL Standards for the DG8SAQ VNA

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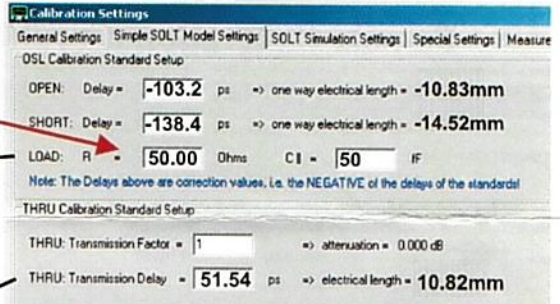
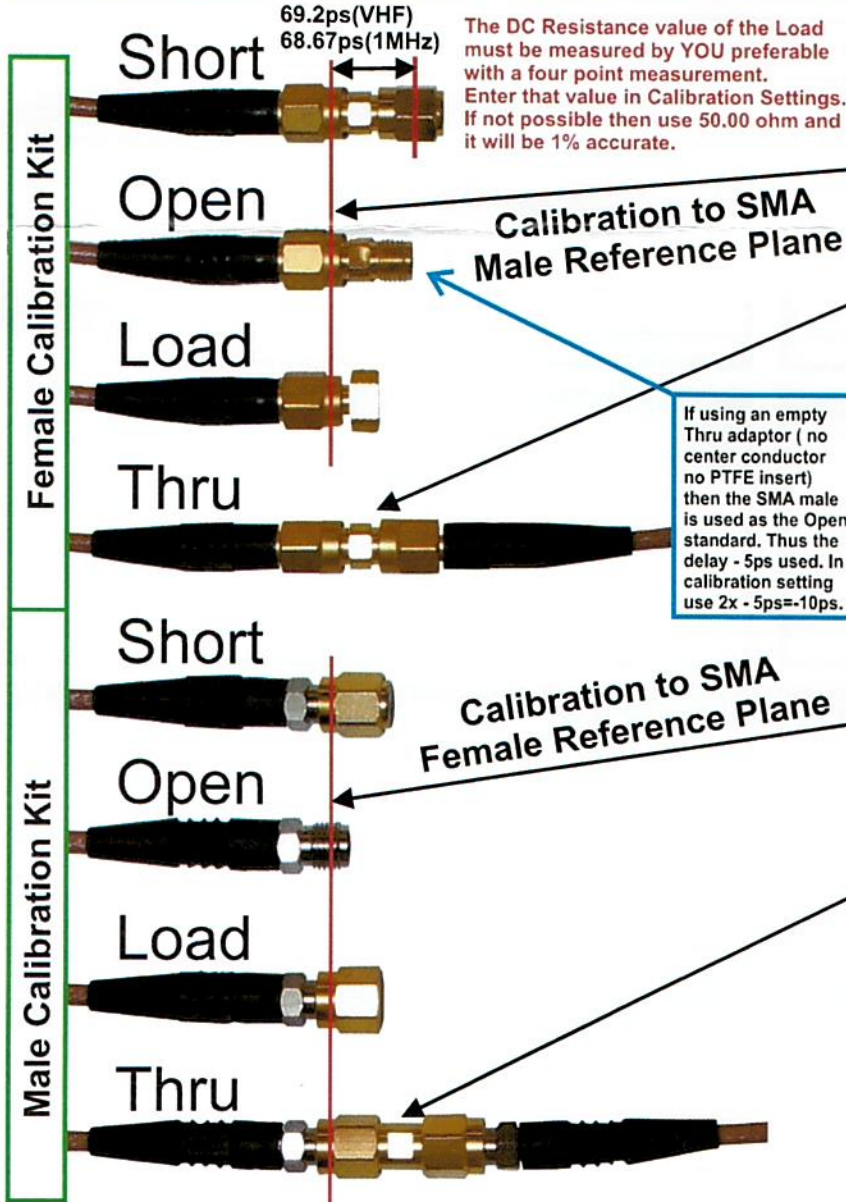
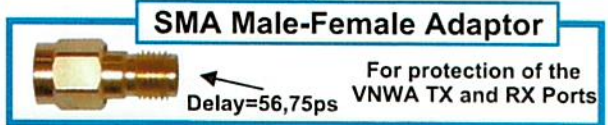
On this sheet you will find the settings required in "Calibration Settings" and "Simple SOLT" for the Reflection (S11/S22) and Transmission (S21/S12) calibrations. *Find on page 2 arbitrary calibration settings.*

- Please note that if you want to calibrate to the Reference plane of the VNA Female TX SMA connector on the cabinet, then use the settings for the "SMA Male Reference Plane".

- When using testcables and measuring both S11 and S21, then the Thru adaptor is used, during S21 calibration, but removed during real measurements. To compensate for the changed transmission delay between the TX and RX port, you have to enter the delay for the Thru adaptor in the calibration settings. When doing so the reference planes for both reflection and transmission remain "in sync" at the chosen testcable's calibration plane.

- When the test cables have male SMA at the testing end, the Female Calibration Kit data is used, and likewise for female SMA the Male Calibration Kit data is used.

- Do not use the Crosstalk Calibration for general use.



A few Hints:

The calibration Plane can be moved forward and backward by using Measure/Port Extensions. Port 1 used for the forward direction (S11 and S21), and Port 2 used for the reverse direction (S22/S12). During reverse direction the DUT is reversed. For a positive delay the Calibration Plane is moved away from the TX port and Vice Versa. If the TX level is changed the calibration is also changed slightly. **READ ALSO THE HELP FILE**

