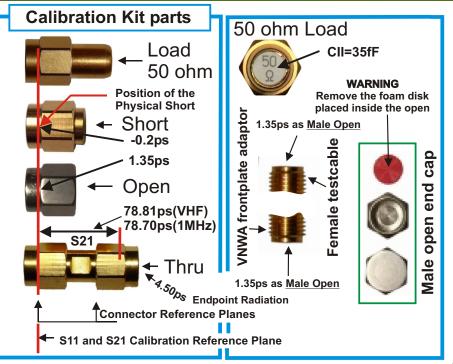
SDR-Kits Male Calibration kit of Rosenberger/Fairview Parts for the DG8SAQ VNWA by Kurt Poulsen OZ7OU of Oct 2014



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.

- Please note that if you want to calibrate to the Reference plane of the VNWA Female TX SMA connector on the cabinet, then you must use a male Calibration Kit. Else look at the "How to..." below.

- 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.
- Always set Delay Thru to 0 ps else transmission and reflection is not "in sync" any longer.

The Rosenberger Female-Female adaptor has a delay of 42.35ps.

The Rosenberger Male-Male adaptor has a delay of 78.81ps, however falling from VHF to 76.7ps at 1MHz See also S21 calibration for test by male-female adaptors

