

#### 6.7.4 Calibration.

6.7.4.1 Calibrate for IF & Test Port VSWR and Test Port Insertion Loss and save the calibration in Register 2 of the Scalar Analyzer. The IF VSWR frequency range is a sub set of the 2-18GHz calibration.

Start frequency 2GHz, Stop frequency 18GHz, **401 points/sweep**, Power level -15dBm nominal

Channel 1, measure A, detector; display MEAS-MEM dB  
calibrate thru to directional bridge

Channel 2, measure B, directional bridge; display MEAS-MEM SWR  
calibrate Short/Open VSWR

Save calibration to Register 2.

6.7.4.2 Calibrate for RF VSWR and save the calibration in Register 3 of the Scalar Analyzer.

Start frequency 18GHz, Stop frequency 40GHz, **201 points/sweep**, Power level -15dBm nominal

Channel 2, measure B, directional bridge; display MEAS-MEM SWR  
calibrate Short/Open VSWR

Save calibration to Register 3

6.7.4.3 Setup for Test Port Switch On/Off Isolation calibration and save the setup in Register 5.

Start frequency 2GHz , Stop frequency 18GHz , **401 points/sweep** , Power level -15dBm nominal

Channel 1, measure A, detector; display MEAS-MEM dB  
Save setup to Register 5