
QSL Connector Mated Pair VSWR Test Set-Up Procedure ***(Test Adapter Board PN's 1513743-1 and 2016008-1)***

- Set-up network analyzer using the low pass function and a frequency range of 0.045 to 18.05 GHz with 801 data points.
- Perform a one port calibration using the short, open, broadband and sliding load method.
- Connect one position of an SMA on the PCB assembly to the calibrated port of the network analyzer.
- Place a 50 Ω load at the far end of the QSL to SMA dongle cable assembly.
- Mate the QSL PCB receptacle with the QSL plug of the dongle cable assembly.
- Turn on the time domain function of the network analyzer. Note: View the waveform in the real format in order to establish gate placement.
- Set trigger to perform a continual sweep of the full mated pair assembly.
- Locate the test board PCB trace between the SMA and QSL using the overall assembly trace on the network analyzer screen.
- Place the network analyzer start gate approximately in the center of the PCB trace.
- Locate the coax cable of the test dongle using the overall assembly trace on the network analyzer screen.
- Place the network analyzer stop gate approximately in the center of the coax cable trace.
- Return to the frequency domain and activate the SWR function to view gated QSL connector mated pair results.
- Perform tests as required.

1. REVISION SUMMARY

- Initial release of document