



SMA CONNECTOR STUDY

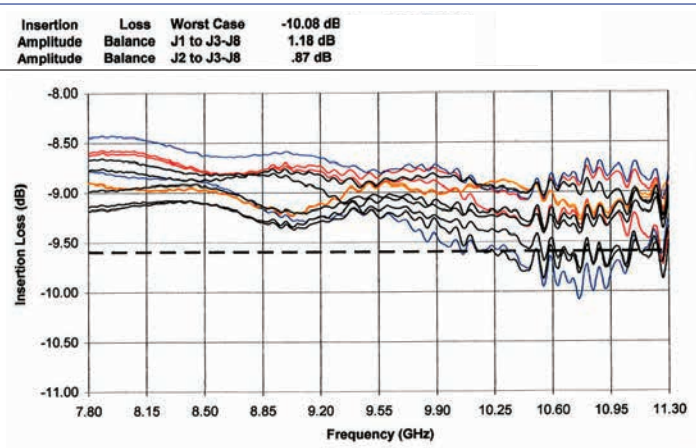
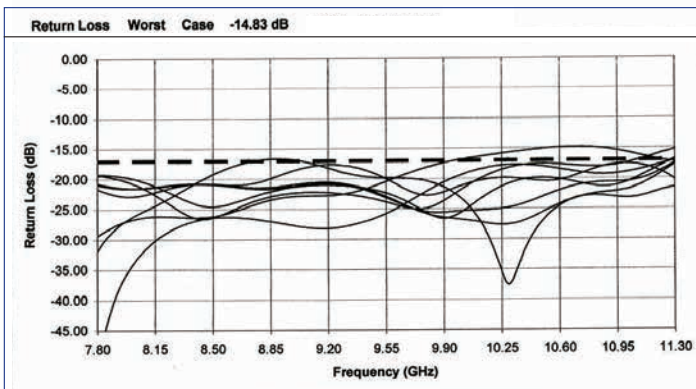
SOUTHWEST MICROWAVE VS. CARLISLE

- The first set of data is taken with Carlisle SMA Connectors 5604-5CCSF
- The second set of data is taken using the same unit with Southwest Microwave SMA Connectors 212-501SF

After testing, the connectors were removed and replaced with Southwest Microwave SMA Connectors and the tests were run again resulting in much improved performance. Note that the insertion loss flatness from part to part went from approximately -1.2 dB down to -.6 dB.

TESTS TAKEN ON A 7.8-11.3 GHz 2:6 POWER DIVIDER (with 2 inputs, 6 outputs)

**Carlisle
5604-5CCSF SMA Connector**



**Southwest Microwave
212-501SF SMA Connector
Improvement Without Tuning**

