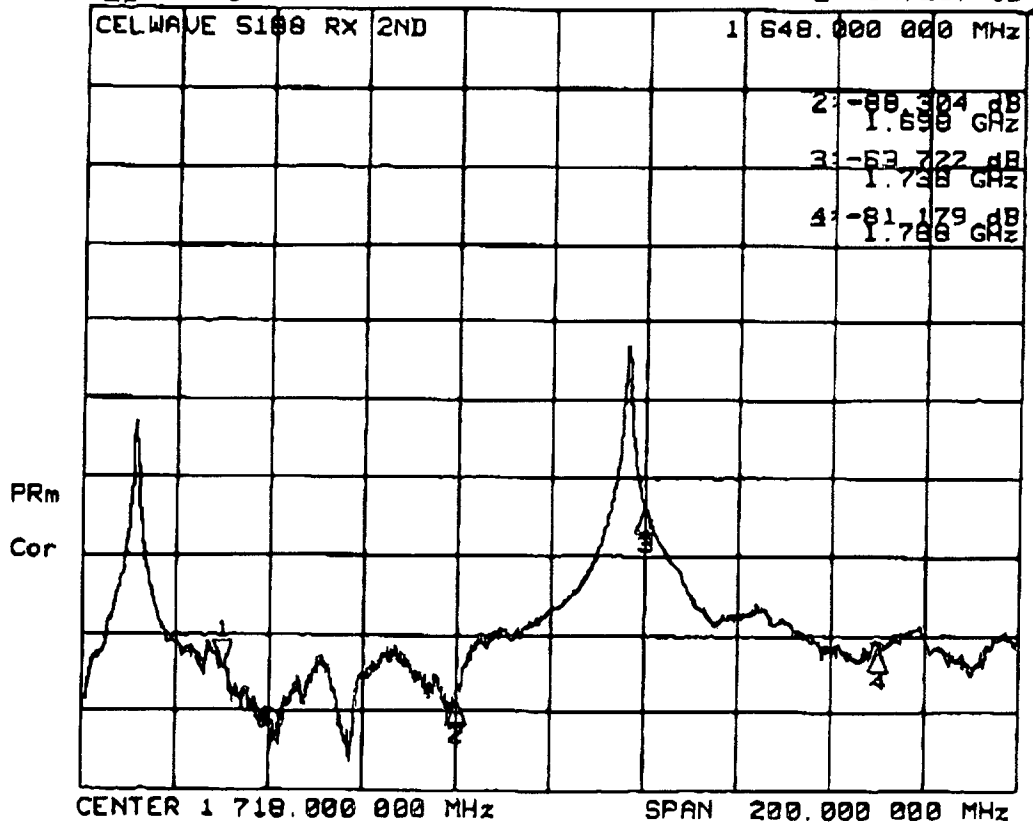


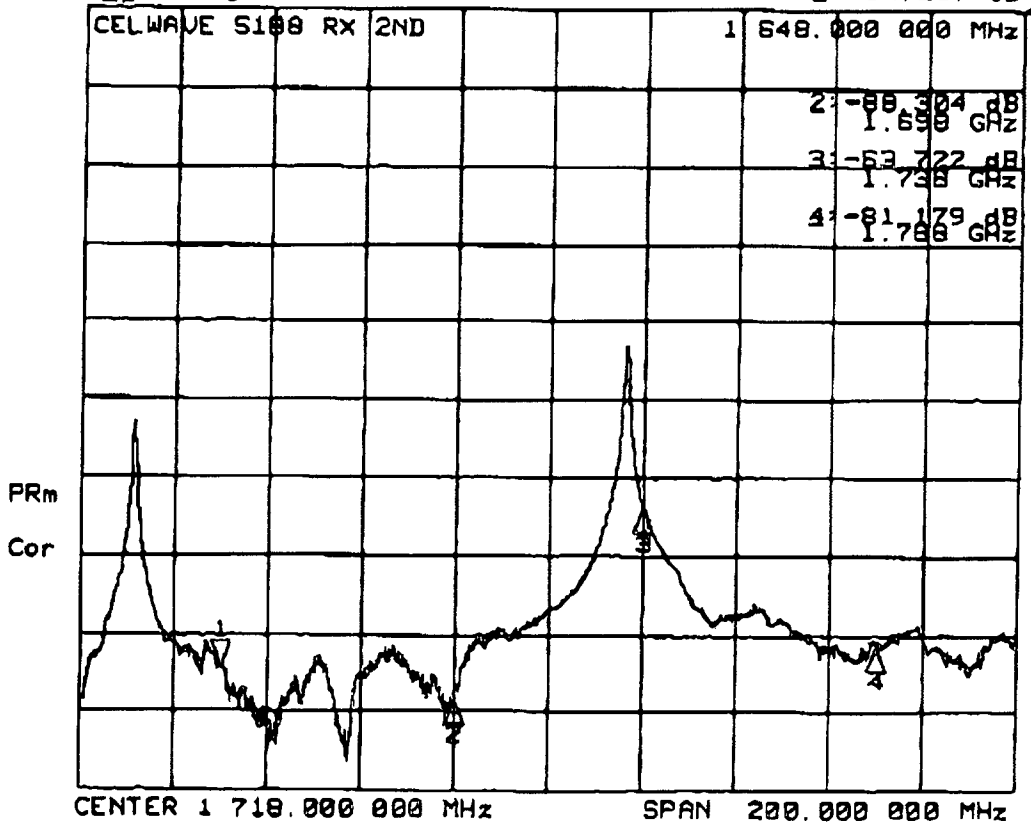
11 Aug 1999 16:07:22

CH2 S21 log MAG 10 dB/ REF 0 dB 1: -84.207 dB



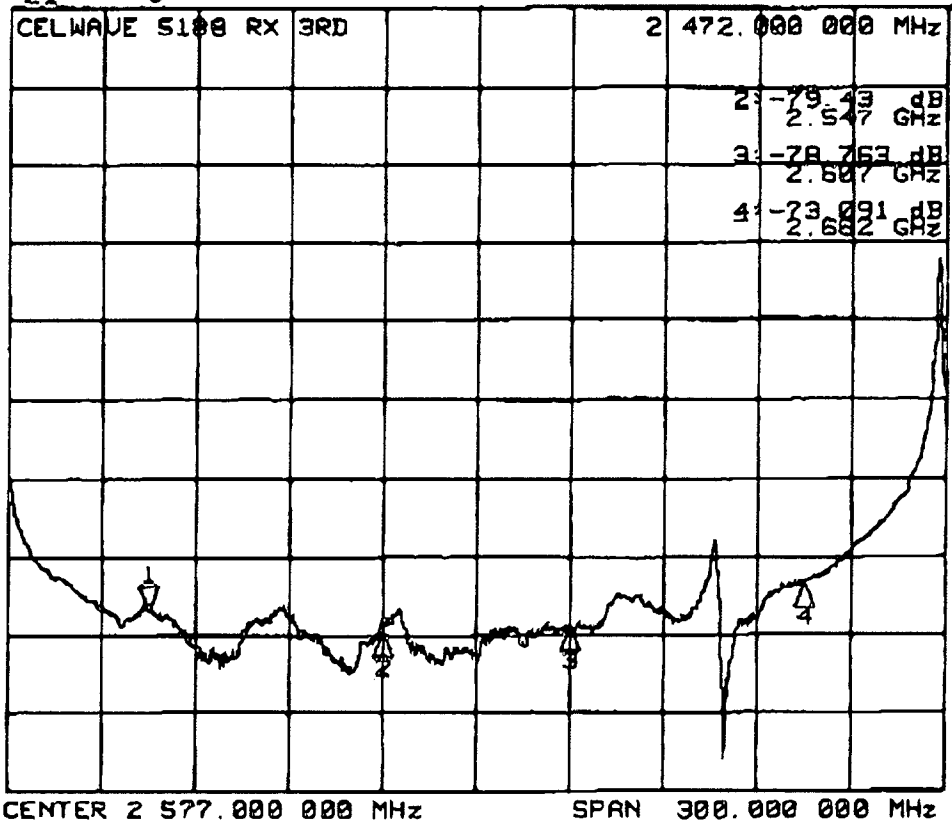
11 Aug 1999 16:07:22

CH2 S21 log MAG 10 dB/ REF 0 dB 1: -84.207 dB



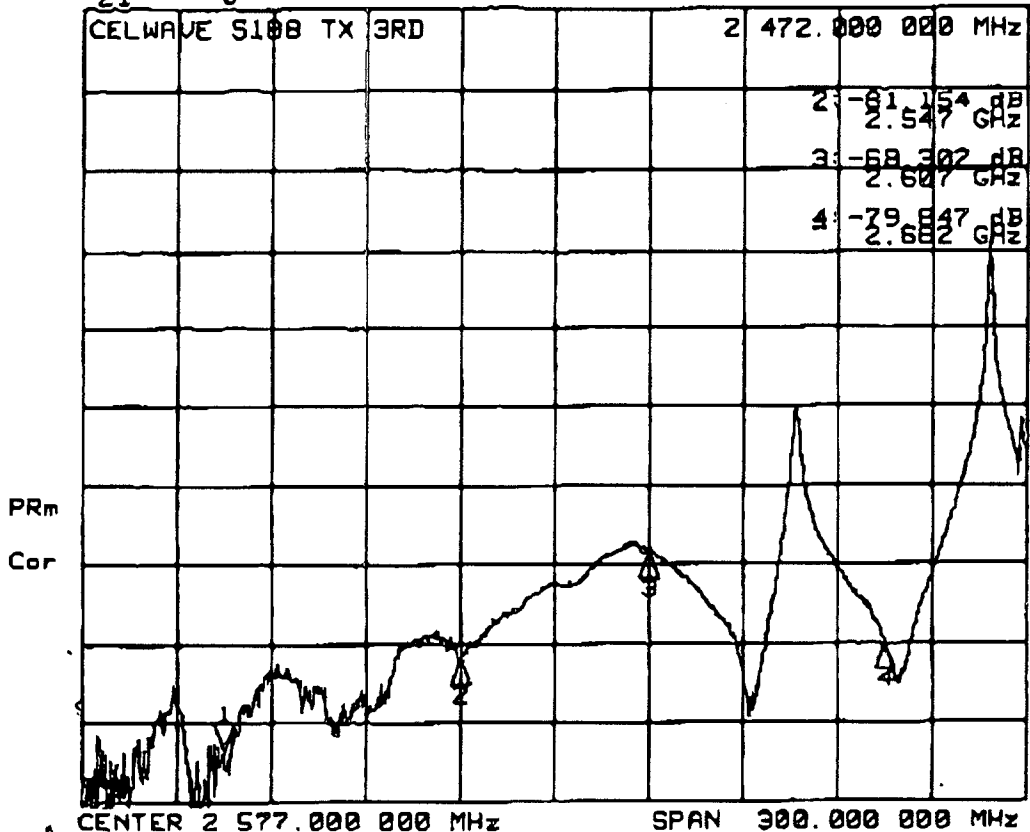
11 Aug 1999 16:09:53

CH2 S21 log MAG 10 dB/ REF 0 dB 1: -76.933 dB



11 Aug 1999 16:10:51

CH2 S21 log MAG 10 dB/ REF 0 dB 1: -93.583 dB



3.2.2 Tx path IL over Frequencies Band 300 KHz to 2 GHz (Tx002)

Standards and Objectives

Rejection of 2nd harmonics should be >30 dB in the 1738 to 1788 MHz band. In addition, rejection of signals from 10 to 824 MHz should be > 35 dB, while from 824 to 849 MHz it should be > 90 dB.

Test description

Measure the insertion losses from the SCLPA output to the duplexer antenna port. The test setup is shown in Figure 12 .

Test Limitations

Test Results and Conclusions

System 1:

The transmit path insertion loss for all 8 channel slots of each of shelves 1 and 2 met the above specification across the 0.3 to 2000 MHz bandwidth. Between 824 MHz and 849 MHz, the insertion loss is larger than -96.2 dB. The responses for all 8 slots of both shelves 1 and 2 are very similar to Figure 14.

System 2:

The transmit path insertion loss for all 8 channel slots of each of shelves 1 and 2 met the above specification across the 0.3 to 2000 MHz bandwidth. Between 824 MHz and 849 MHz, the insertion loss is larger than -95.9 dB. The responses for all 8 slots of both shelves 1 and 2 are very similar to Figure 14.

System 3:

The transmit path insertion loss for all 8 channel slots of each of shelves 1 and 2 met the above specification across the 0.3 to 2000 MHz bandwidth, as shown in Figure 14. Between 824 MHz and 849 MHz, the insertion loss is larger than -96.9 dB. The dotted line in Figure 14 shows the frequency masks for the specs and Appendix D.

Other systems:

Please see "Appendix D" for more results in 3 Email reports.

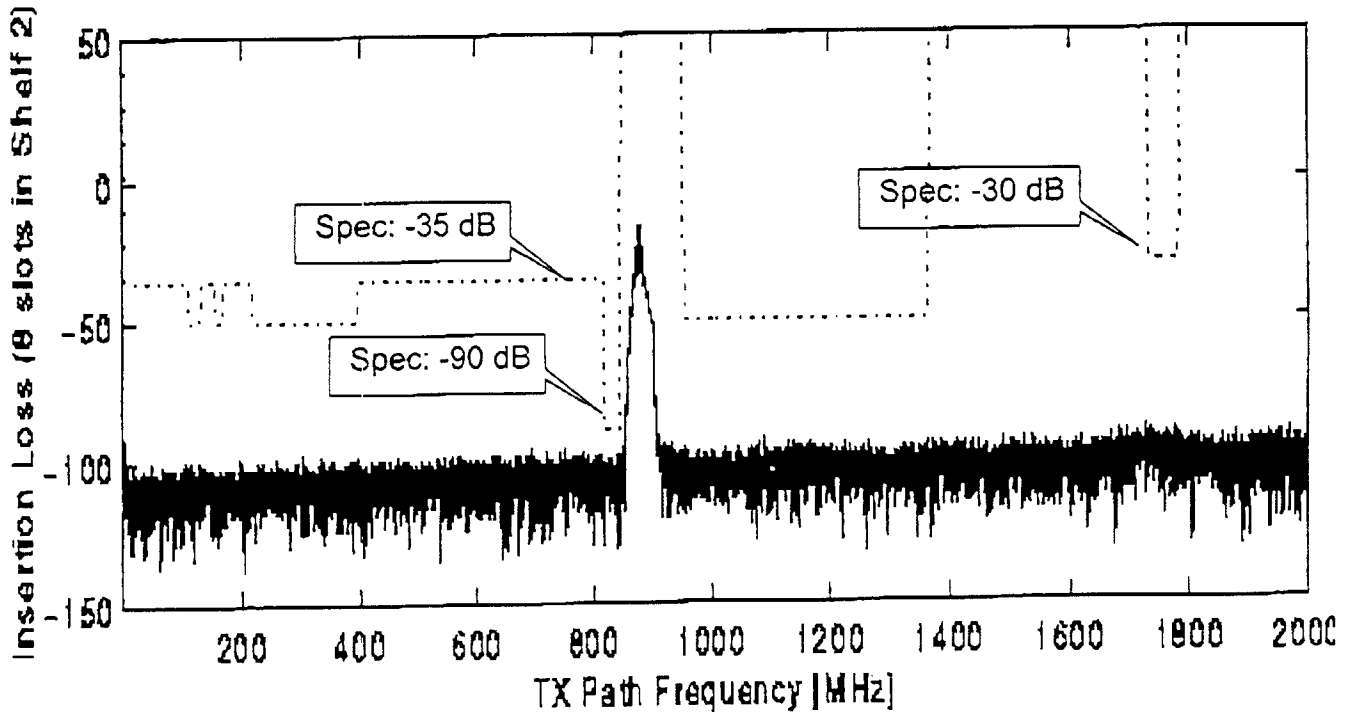
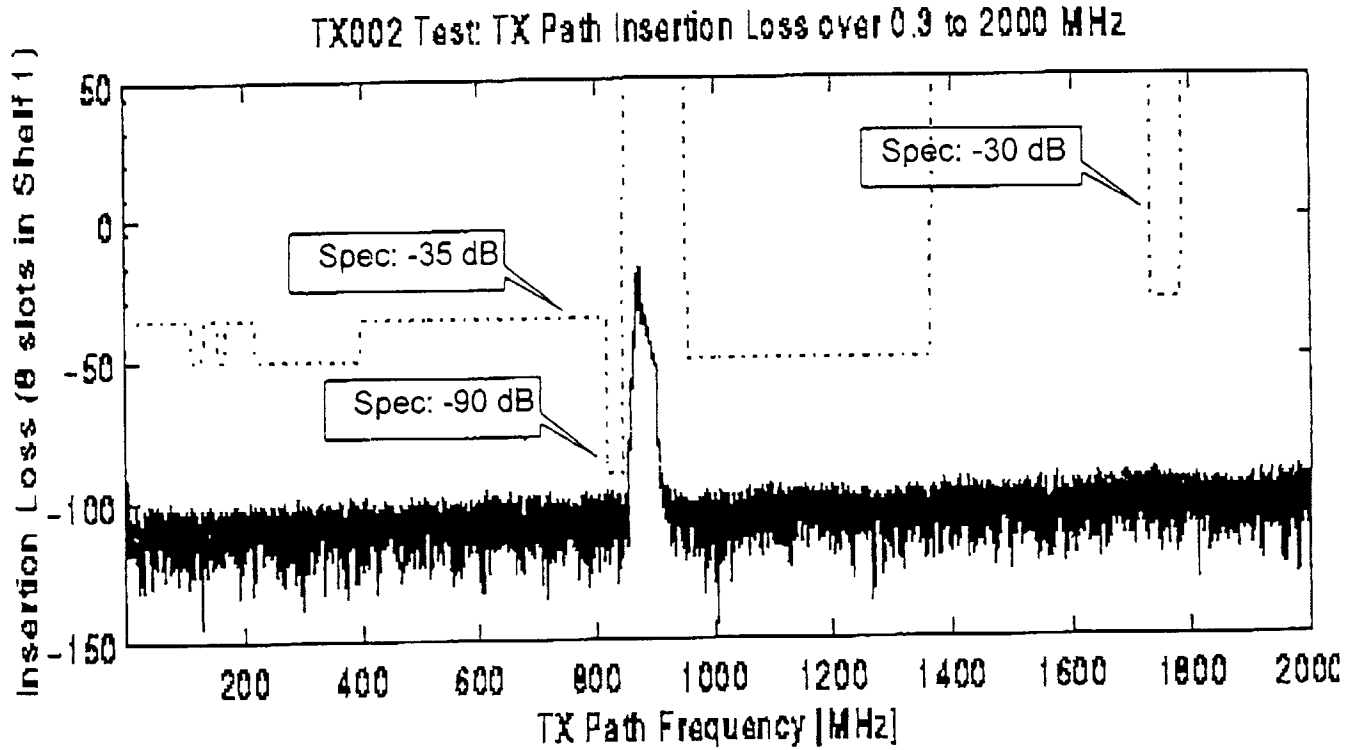


Figure 14 Tx path IL of all 16 slots over 0.3 to 2000 MHz. (system 3)