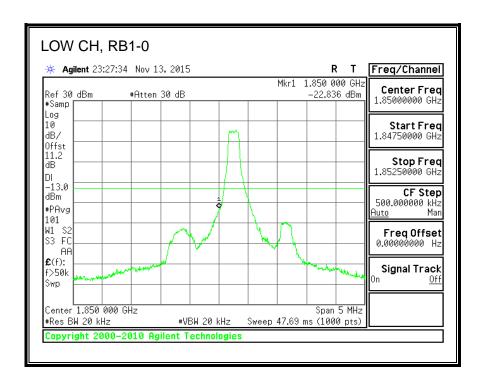
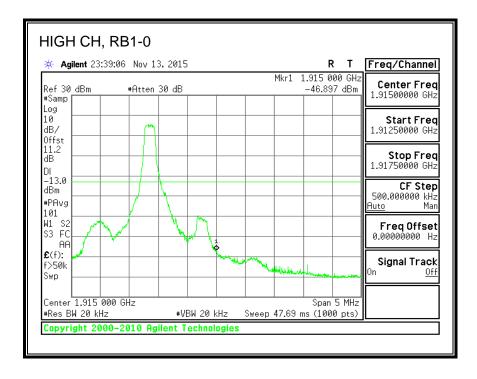
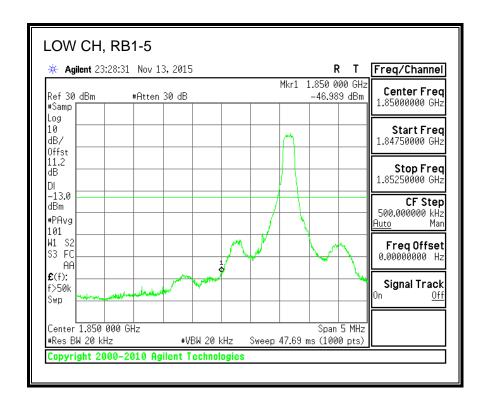


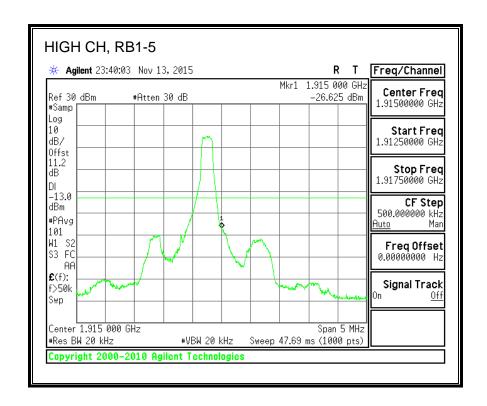
8.2.8. LTE BAND 25 BANDEDGE

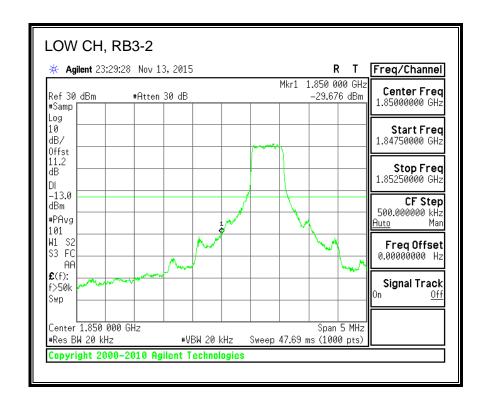
QPSK, (1.4 MHz BAND WIDTH)

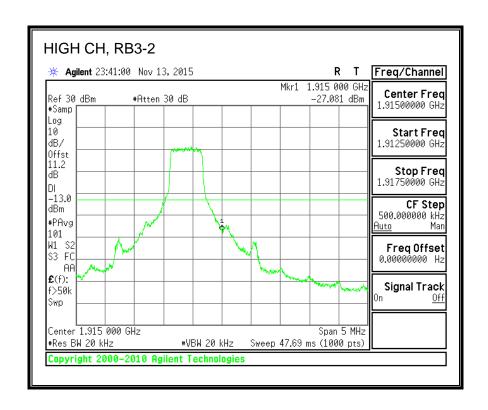


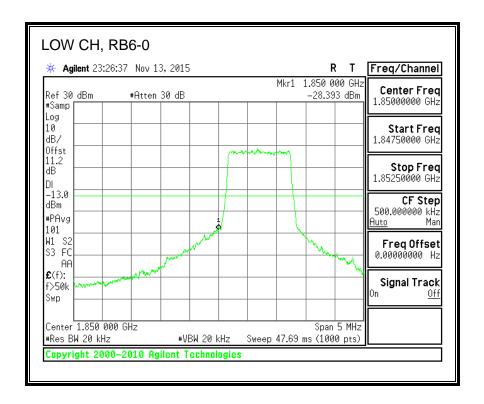


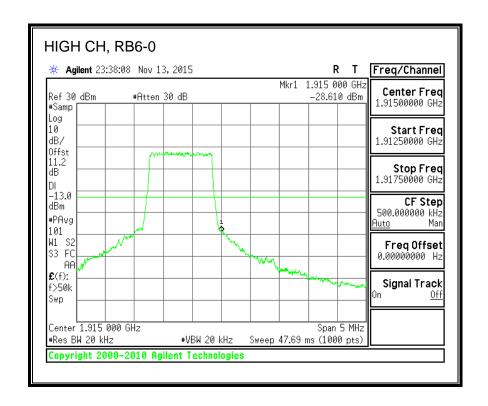




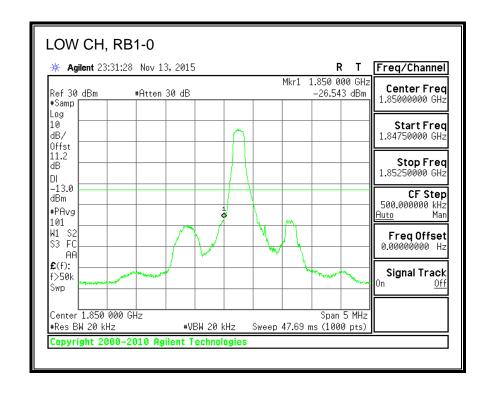


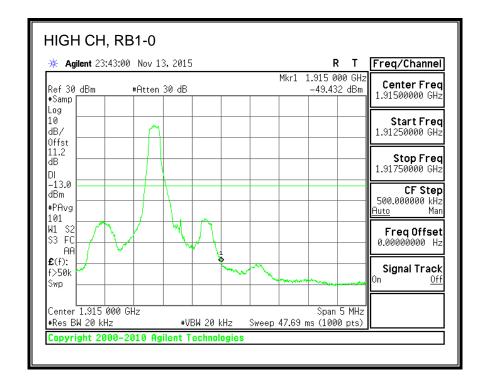


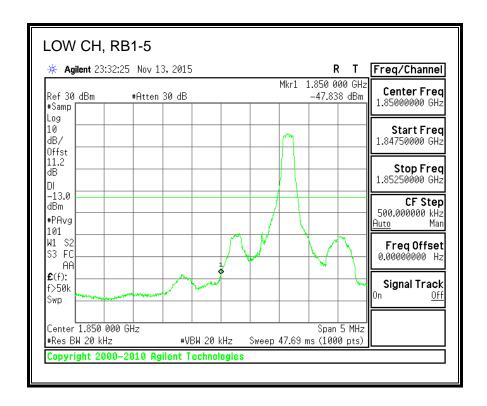


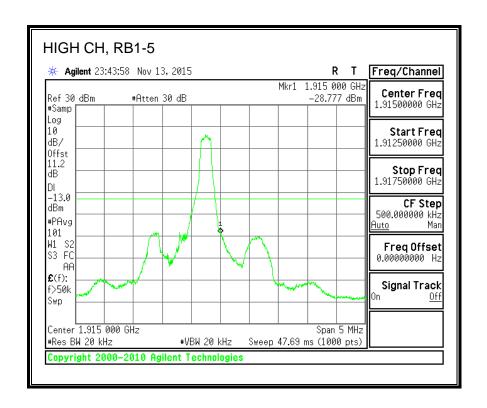


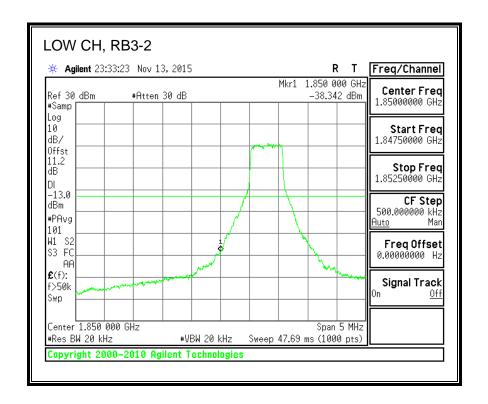
16QAM, (1.4 MHz BAND WIDTH)

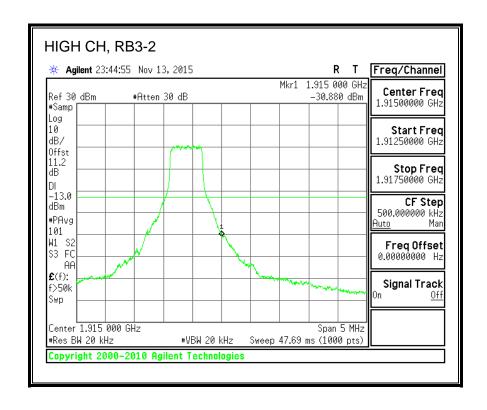


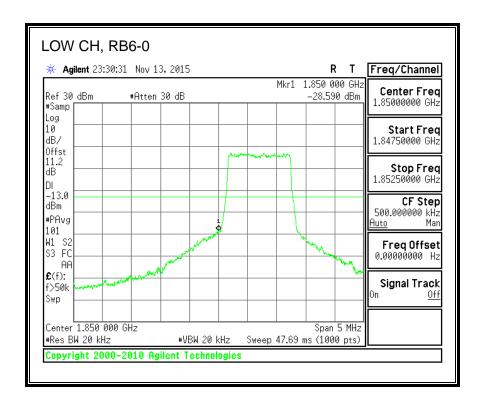


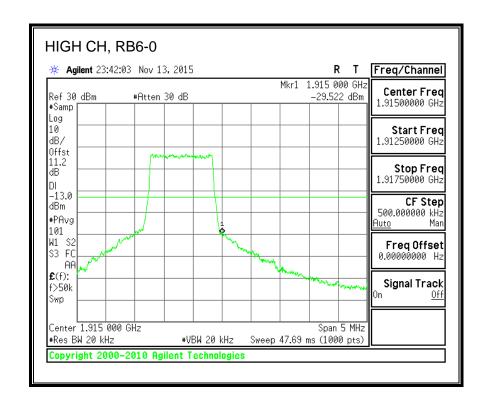




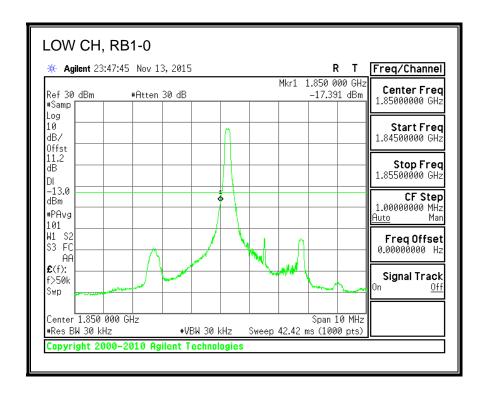


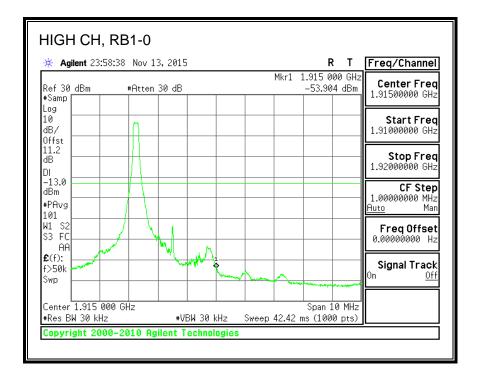


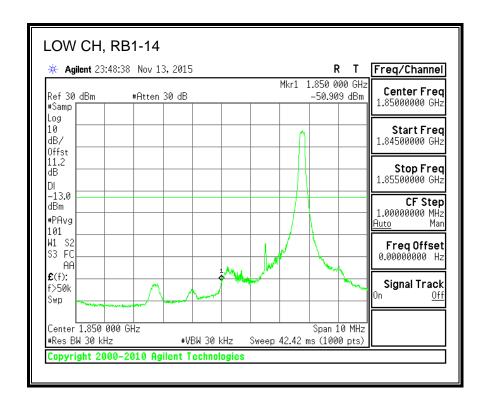


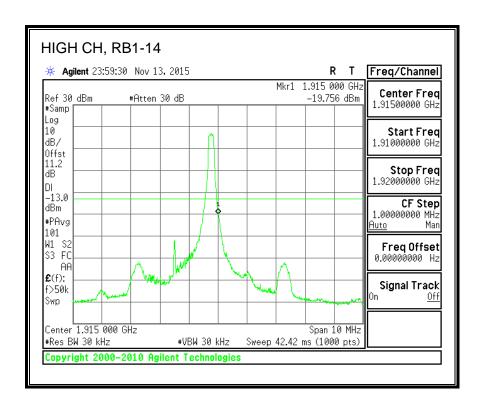


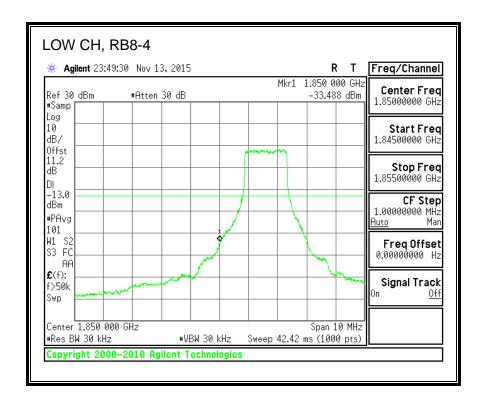
QPSK, (3.0 MHz BAND WIDTH)

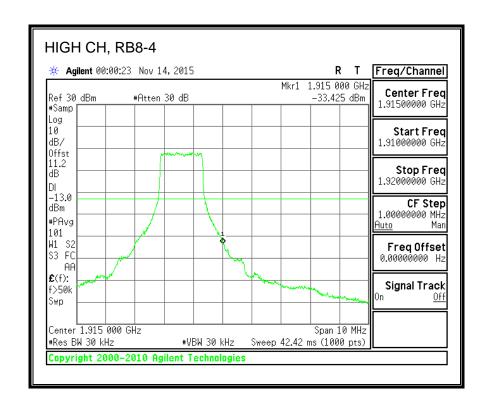


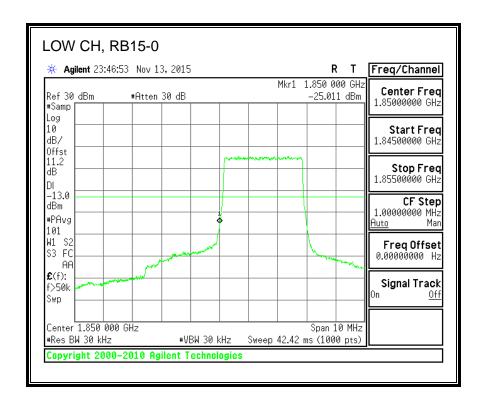


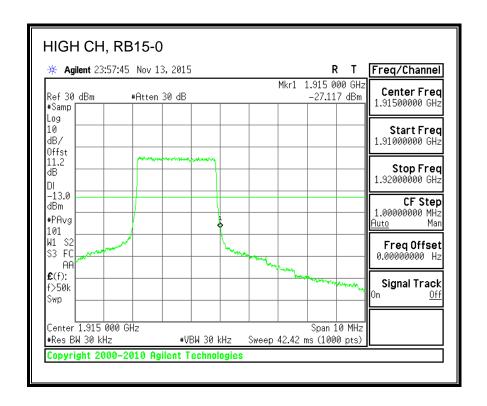




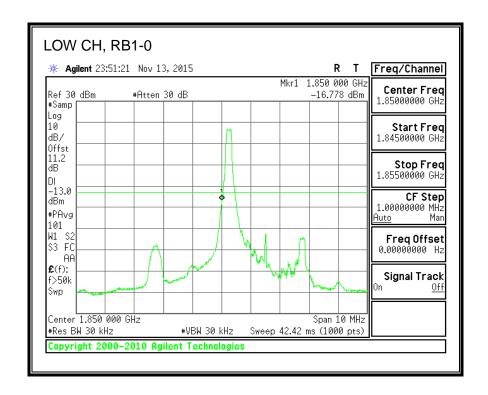


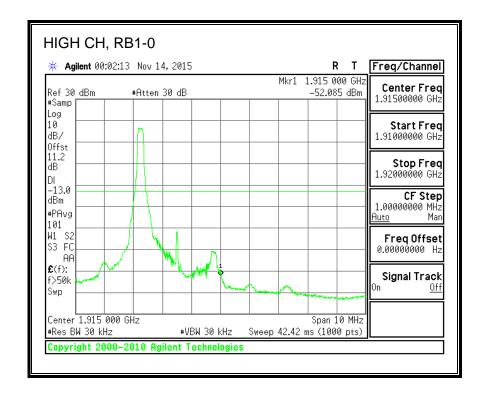


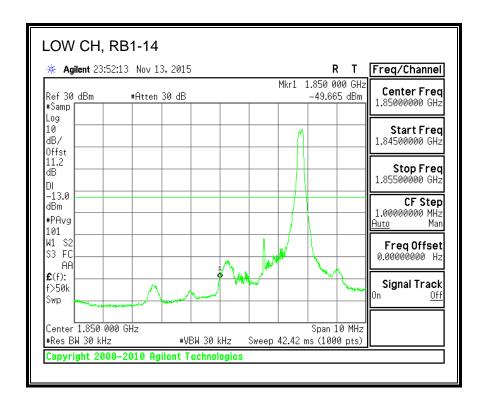


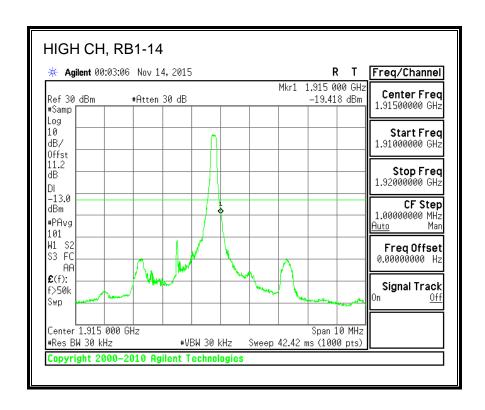


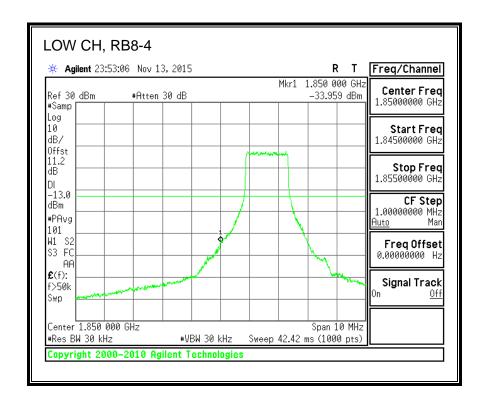
16QAM, (3.0 MHz BAND WIDTH)

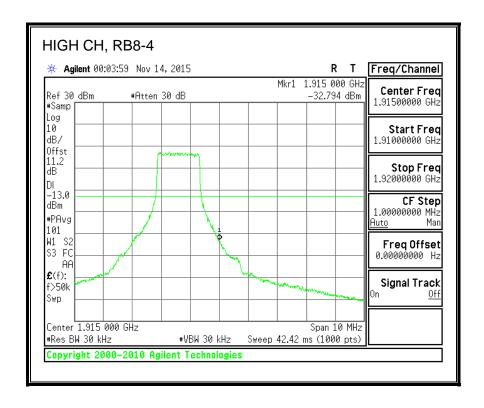


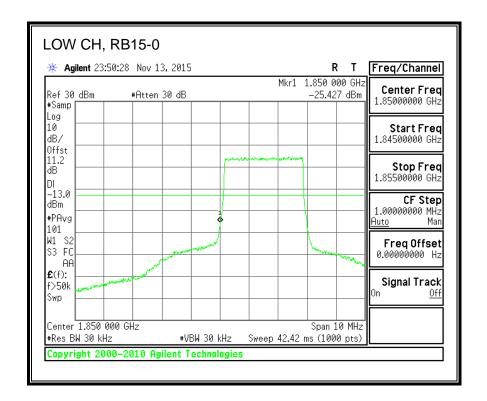


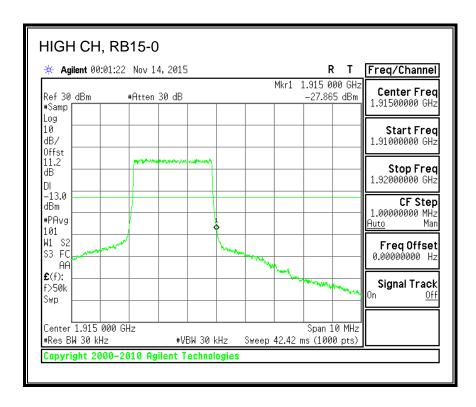




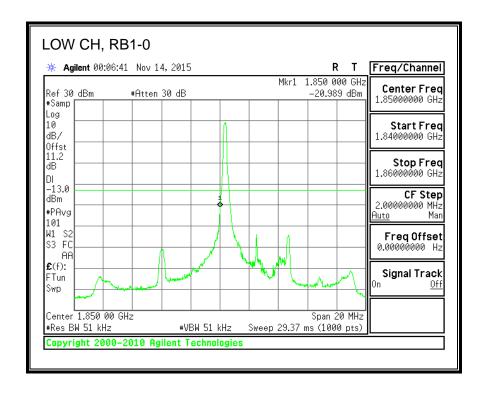


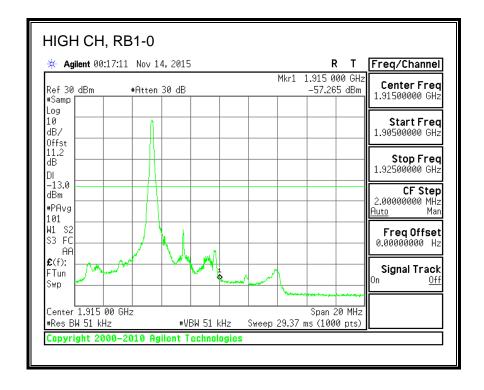


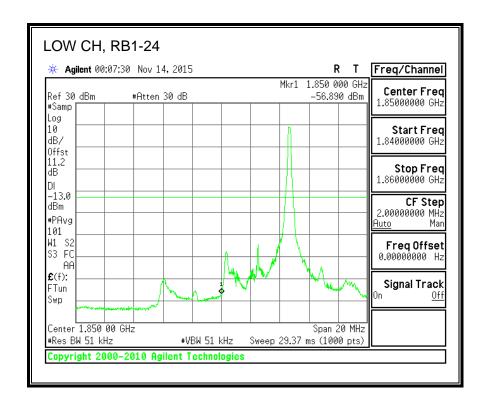


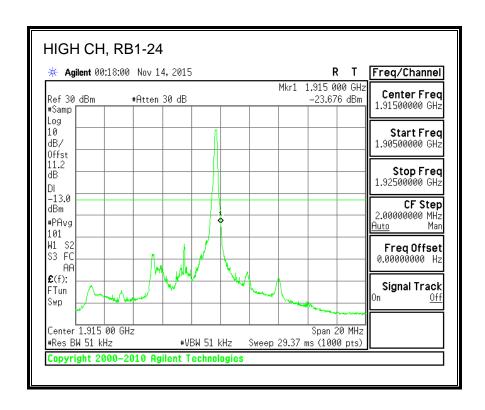


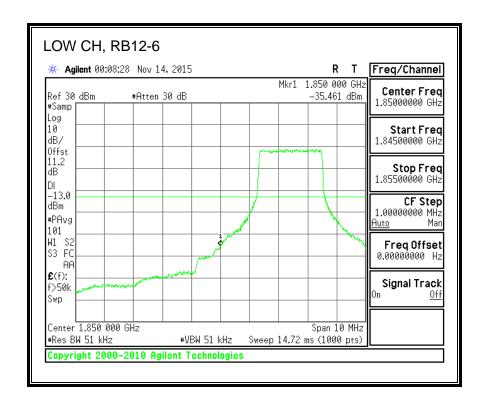
QPSK, (5.0 MHz BAND WIDTH)

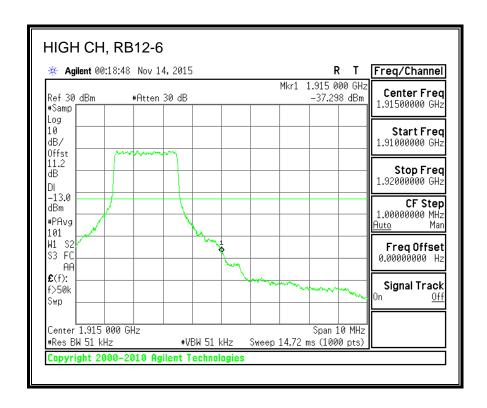


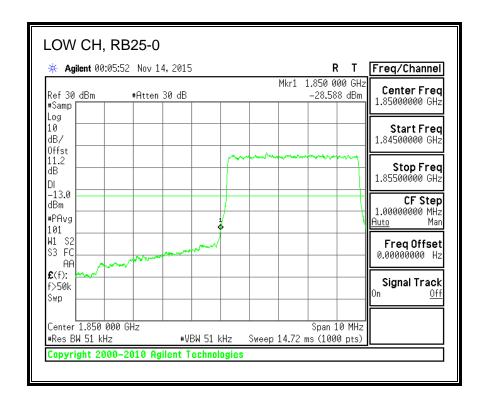


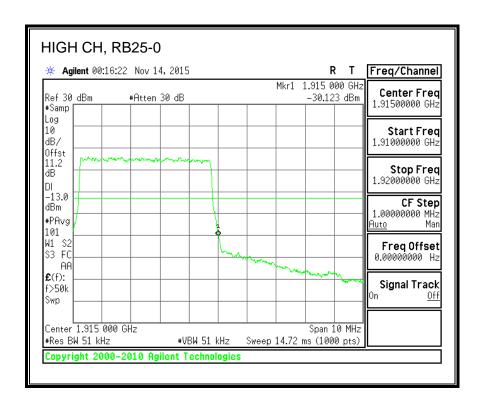




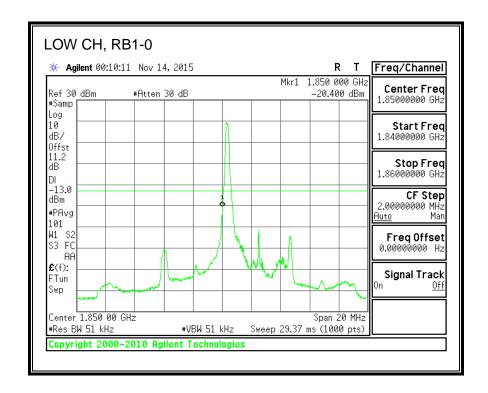


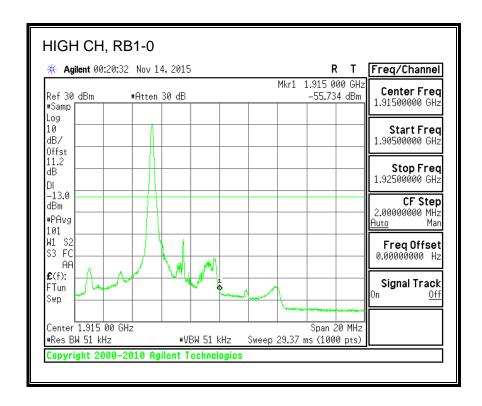






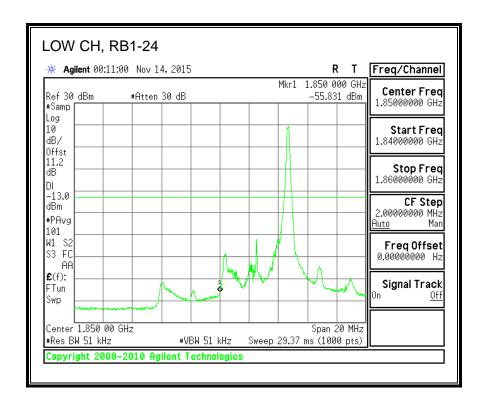
16QAM, (5.0 MHz BAND WIDTH)

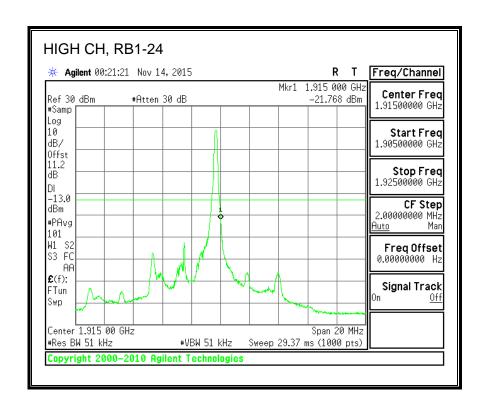


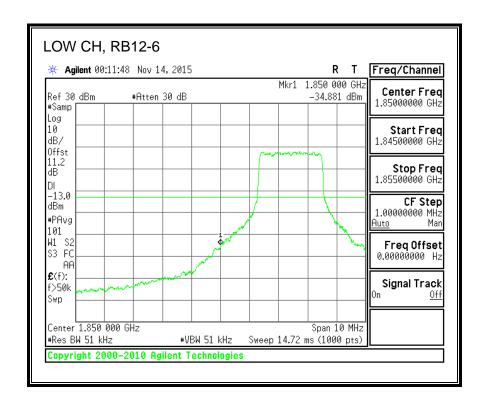


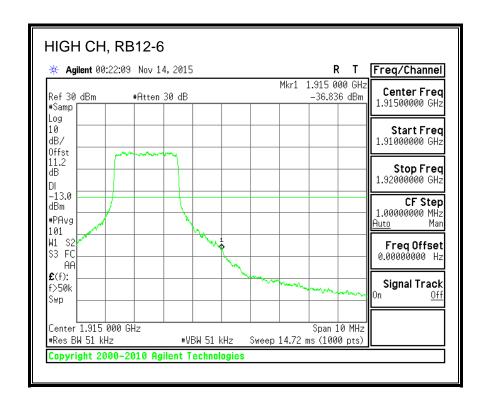
Page 468 of 1111

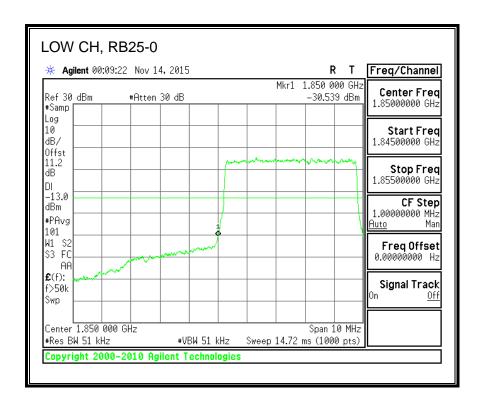
FCC ID: BCGA1674

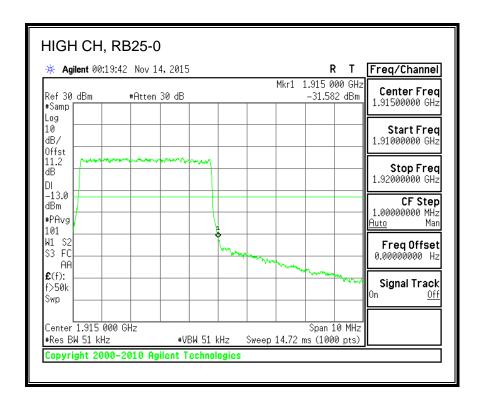




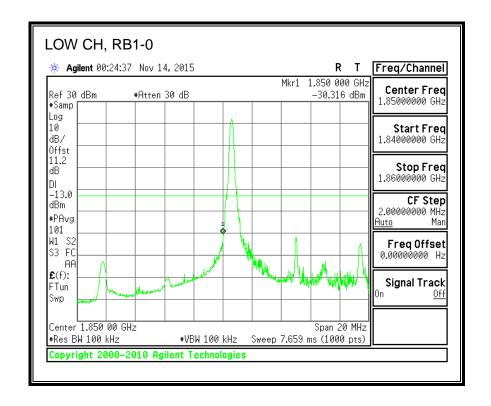


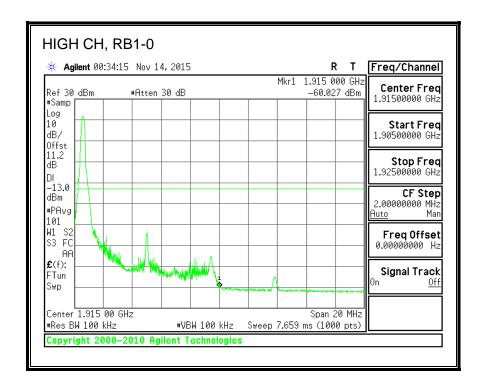




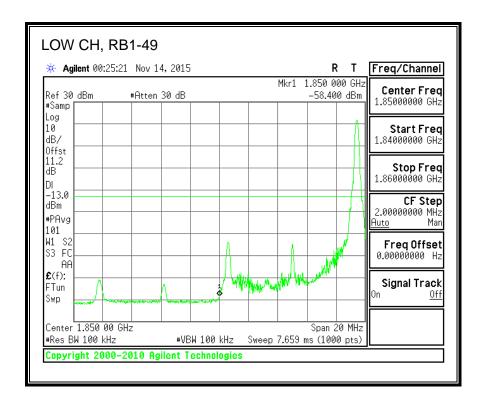


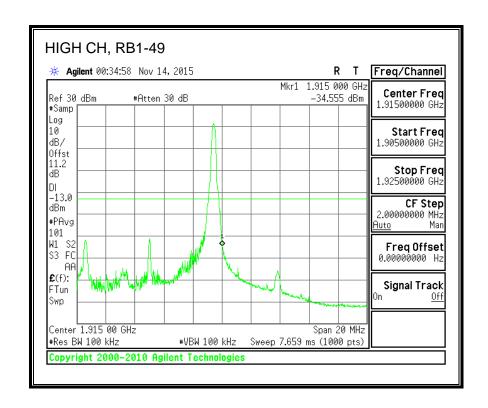
QPSK, (10.0 MHz BAND WIDTH)

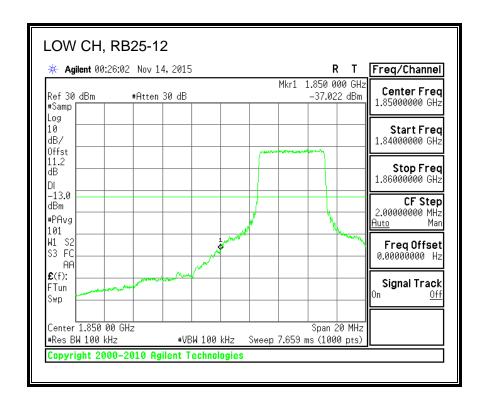


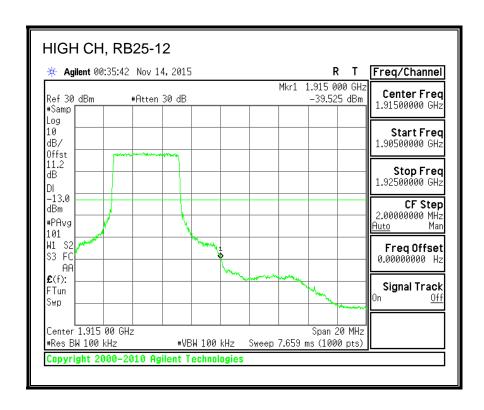


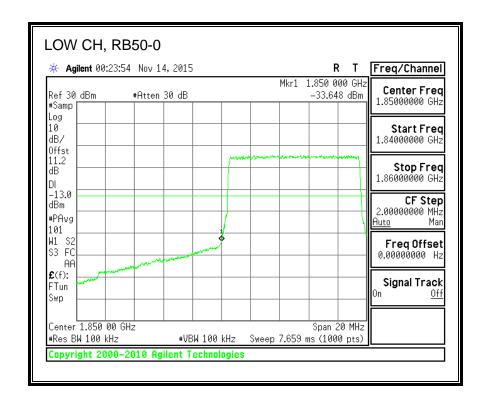
Page 472 of 1111

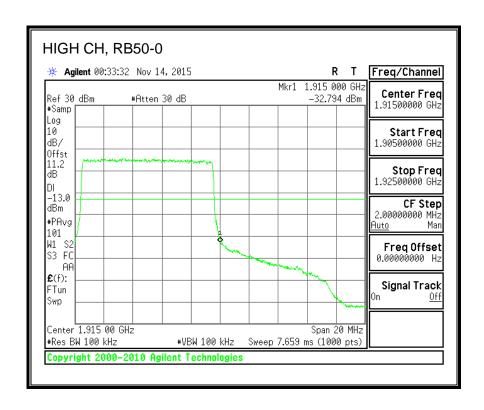




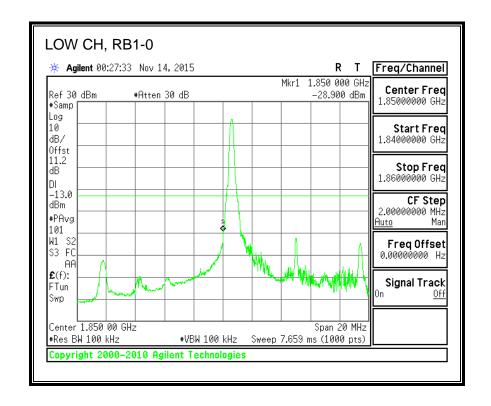


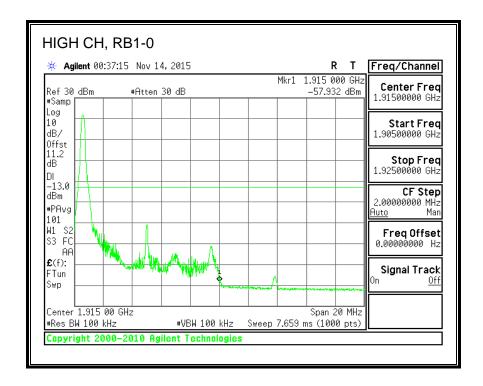




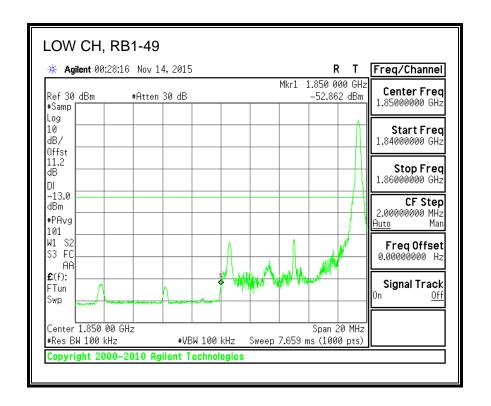


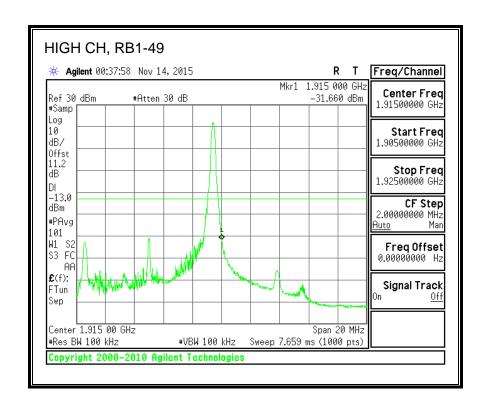
16QAM, (10.0 MHz BAND WIDTH)

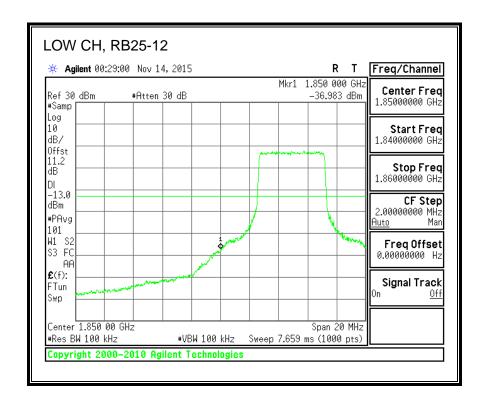


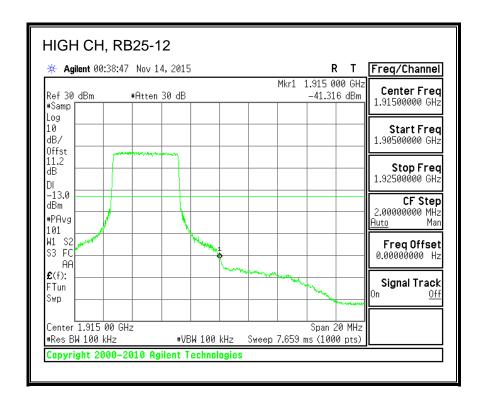


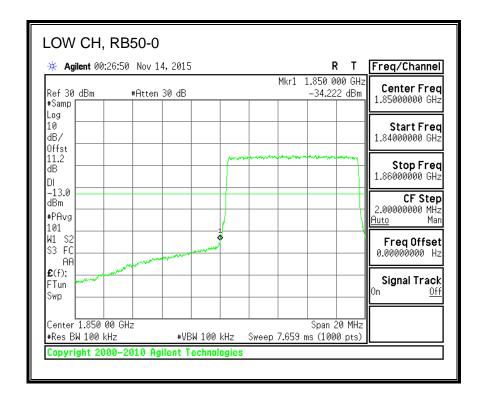
Page 476 of 1111

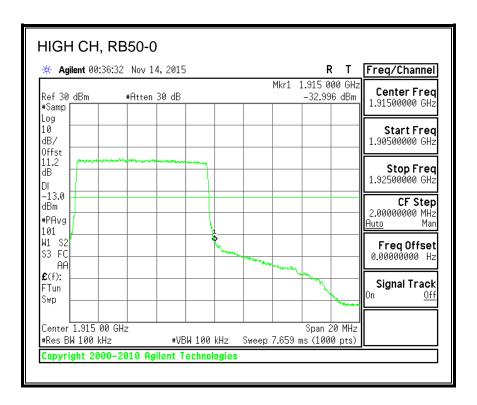




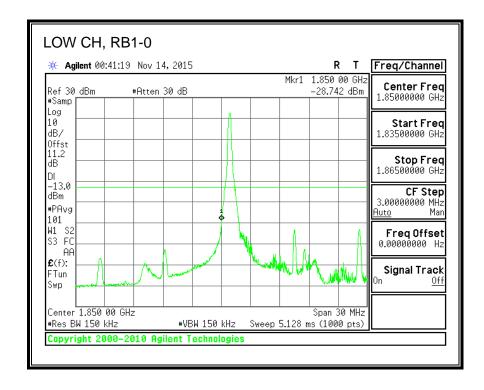


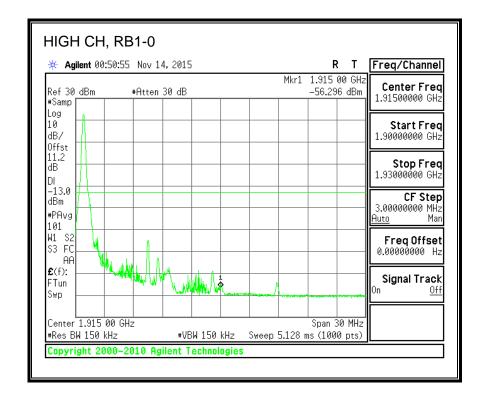


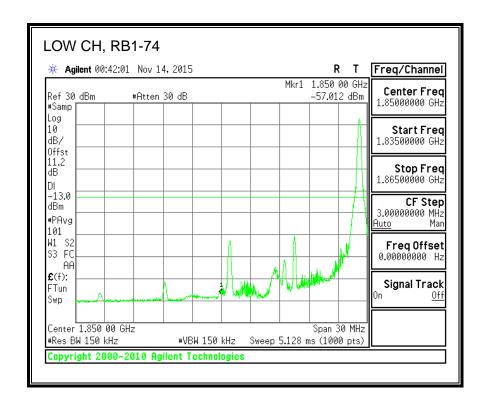


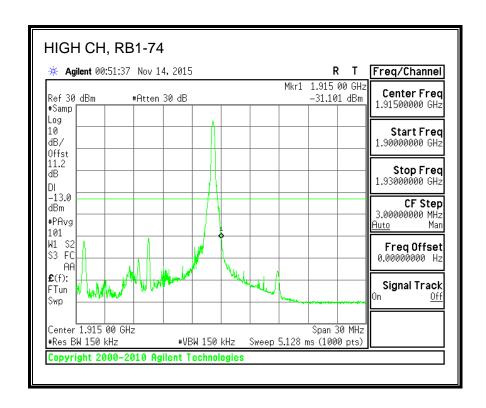


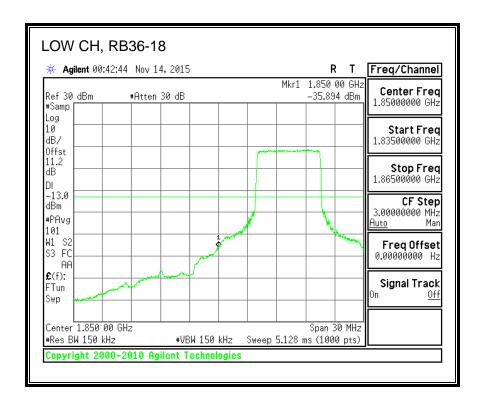
QPSK, (15.0 MHz BAND WIDTH)

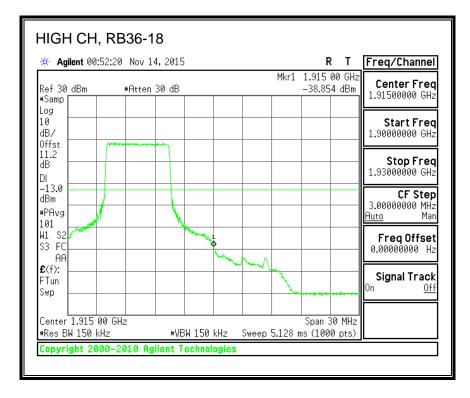


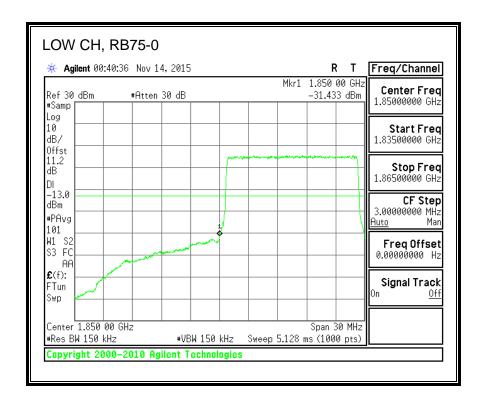


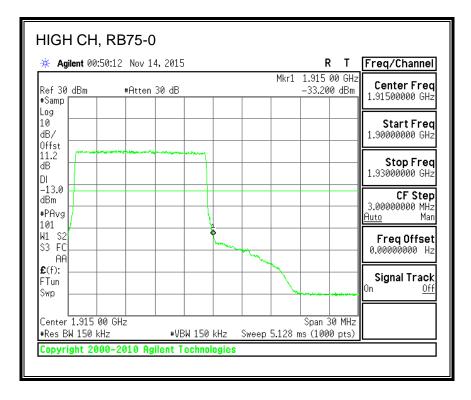




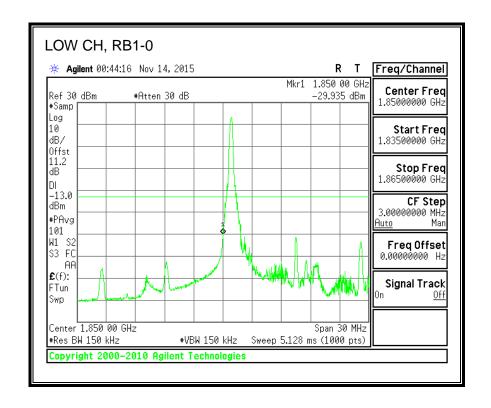


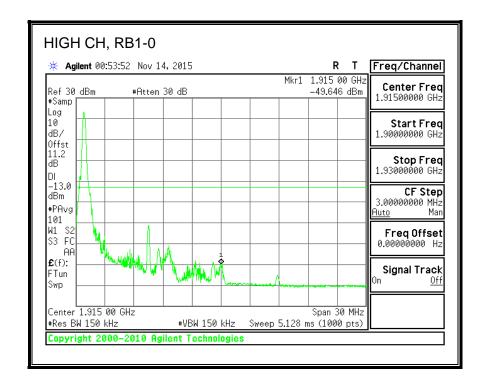




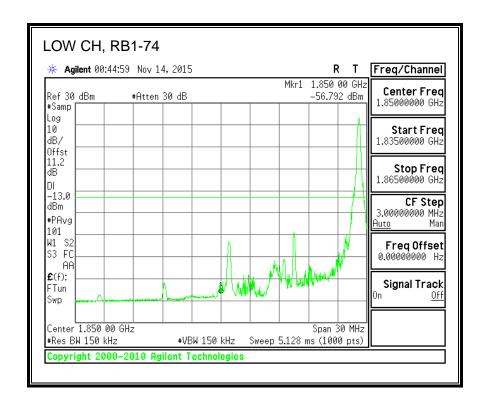


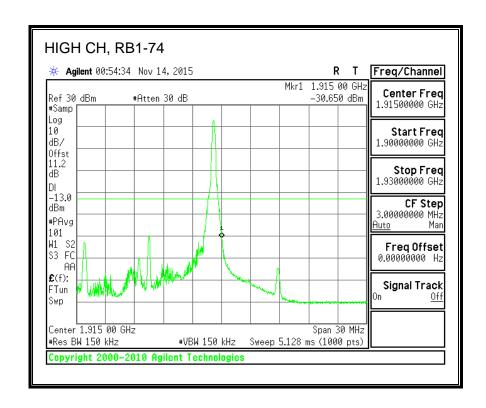
16QAM, (15.0 MHz BAND WIDTH)

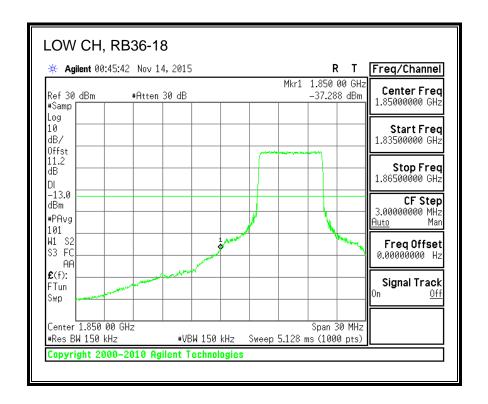


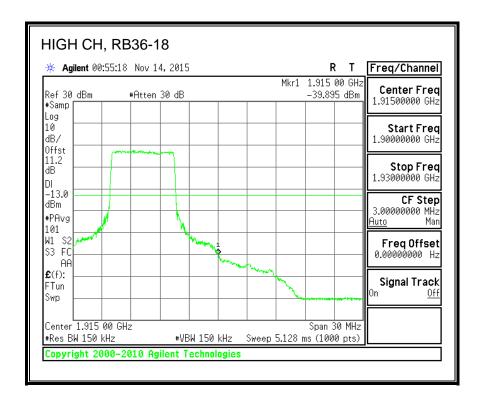


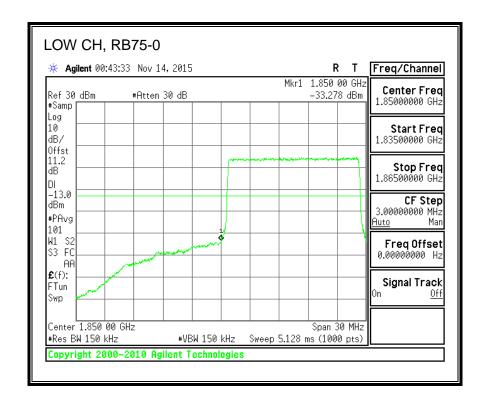
Page 484 of 1111

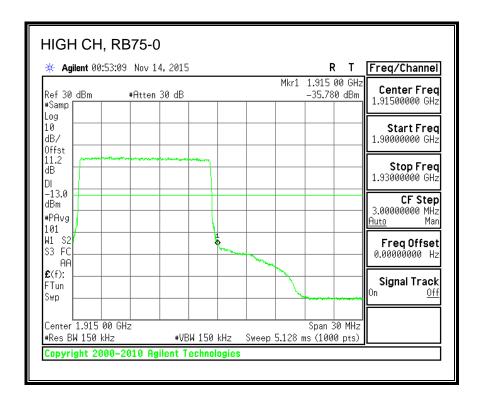




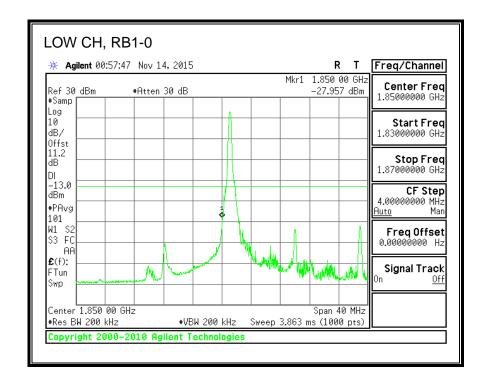


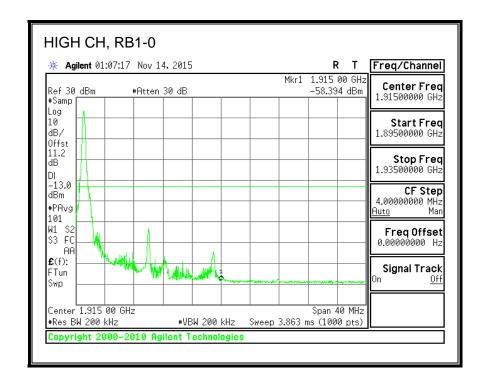


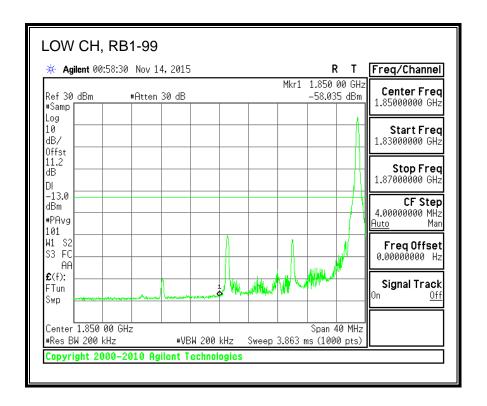


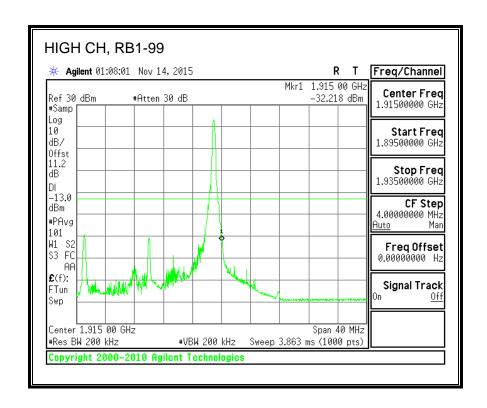


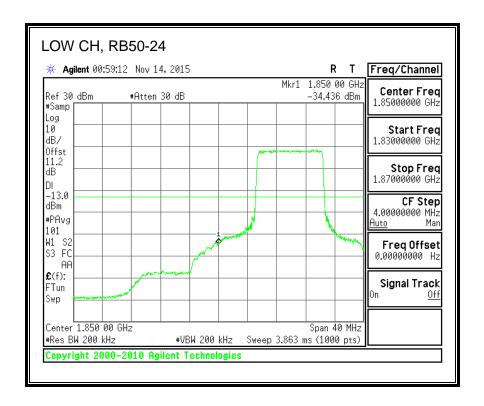
QPSK, (20.0 MHz BAND WIDTH)

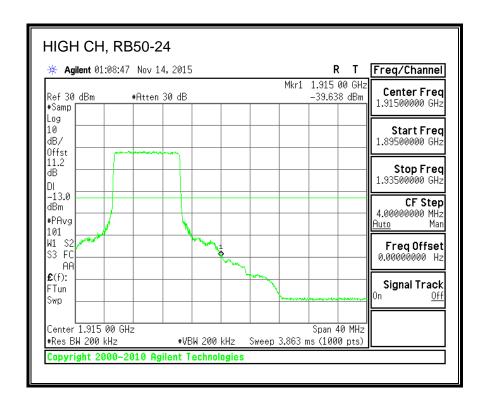


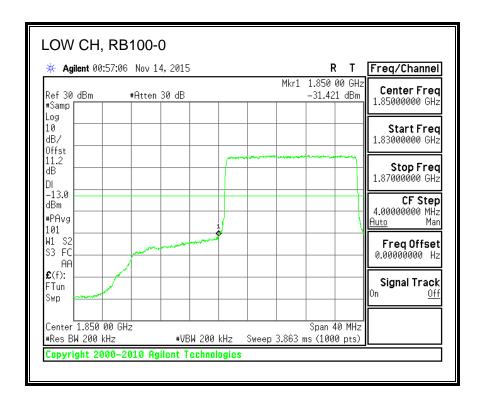


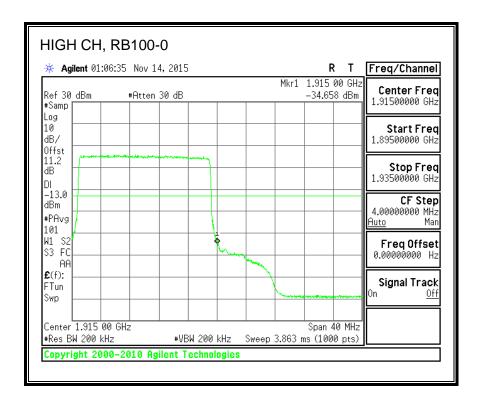




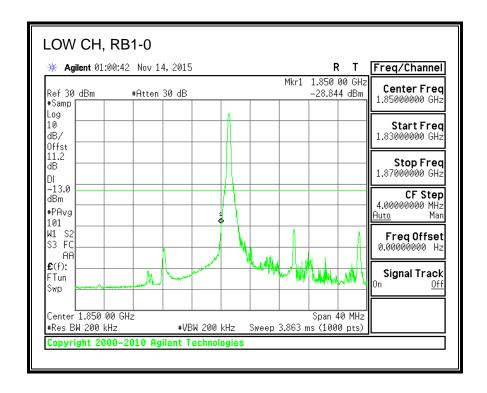


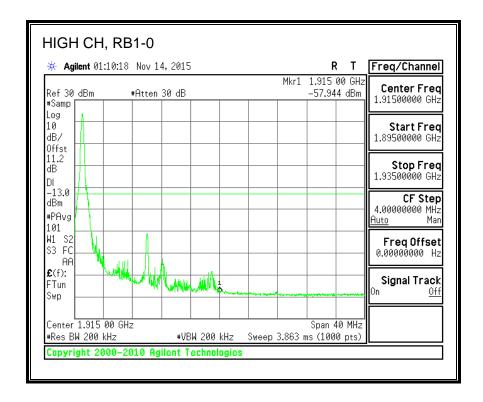




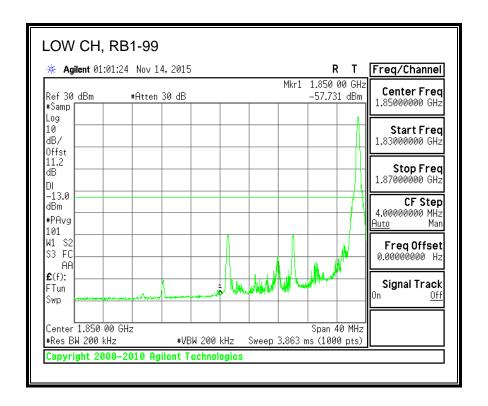


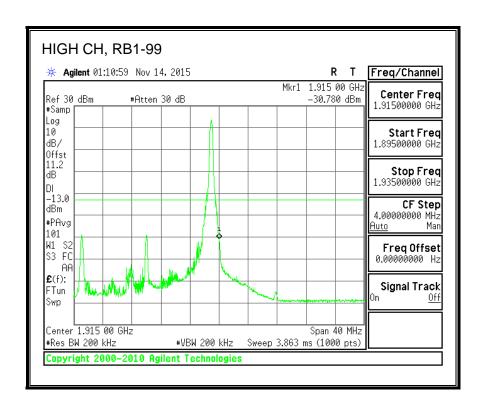
16QAM, (20.0 MHz BAND WIDTH)

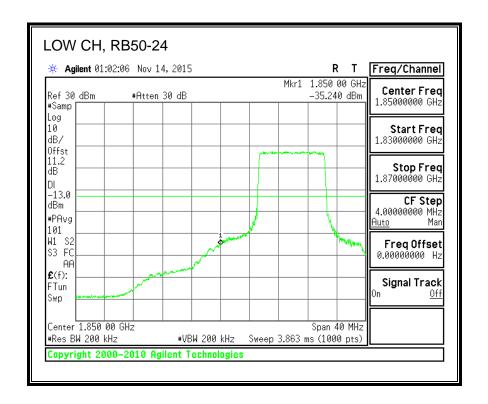


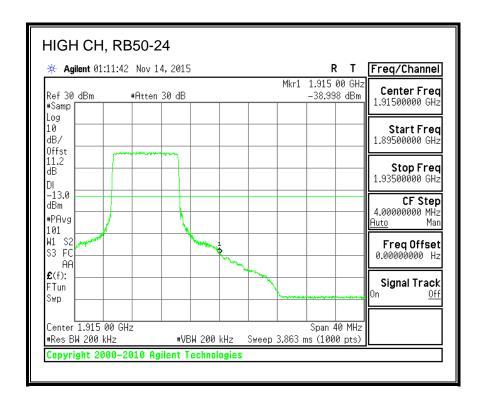


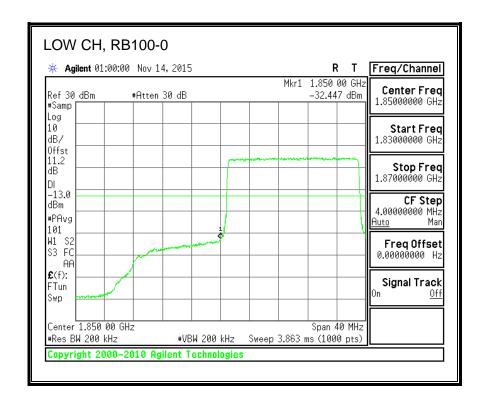
Page 492 of 1111

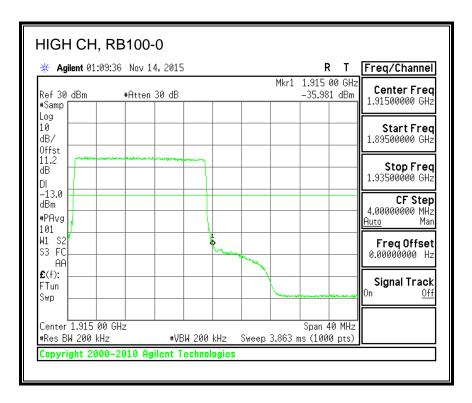








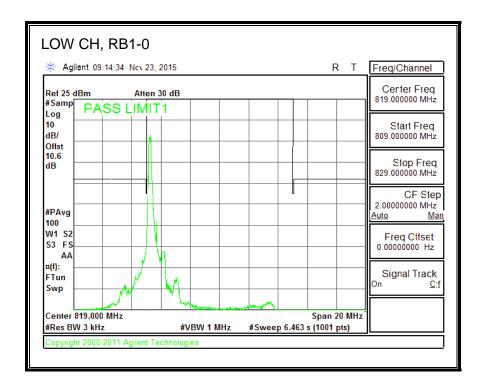


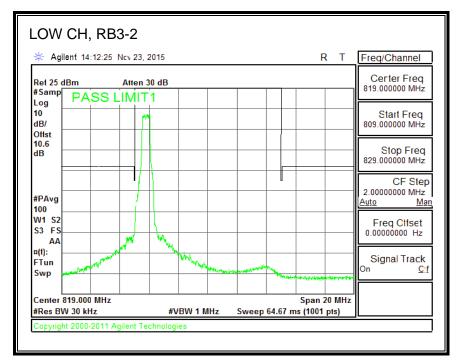


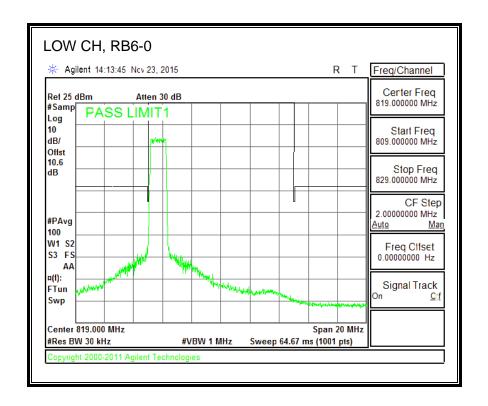
DATE: FEBRUARY 09, 2016 FCC ID: BCGA1674

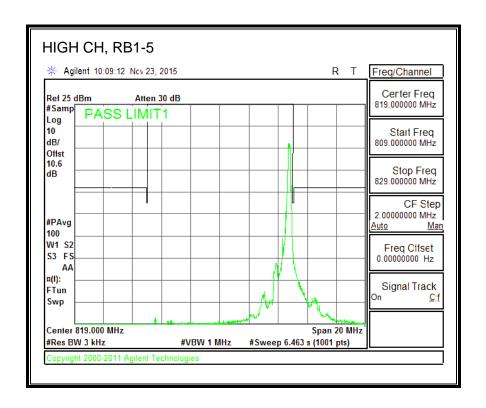
8.2.9. LTE BAND 26 EMISSION MASK

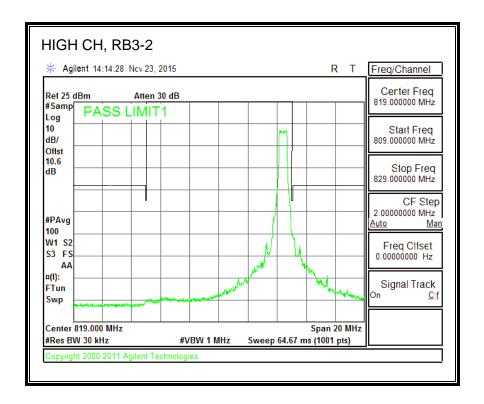
QPSK, (1.4 MHz BAND WIDTH)

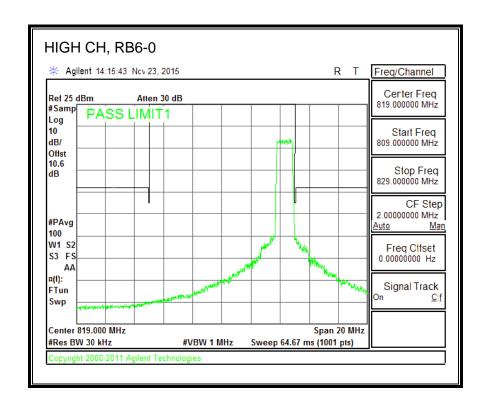




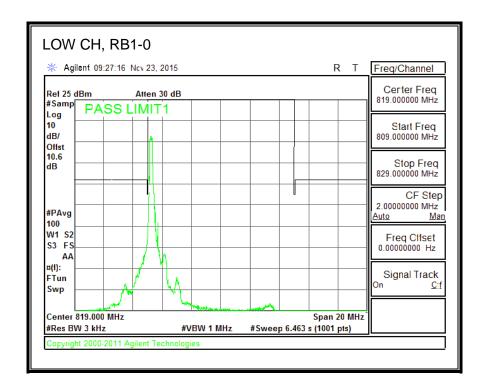


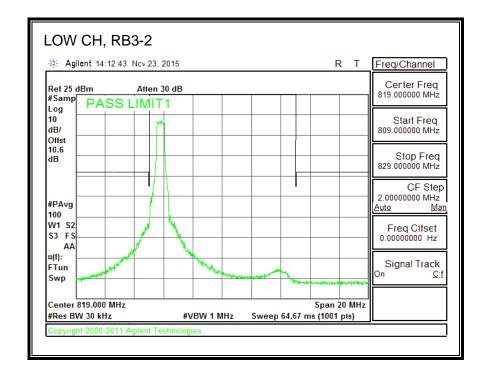




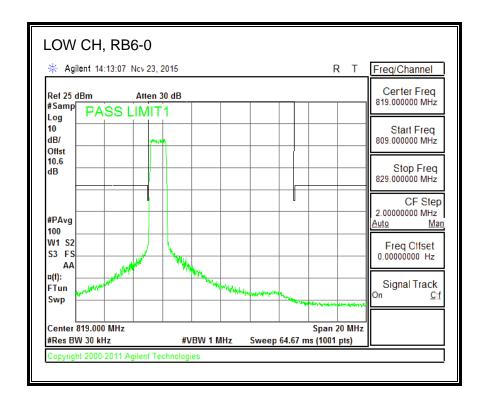


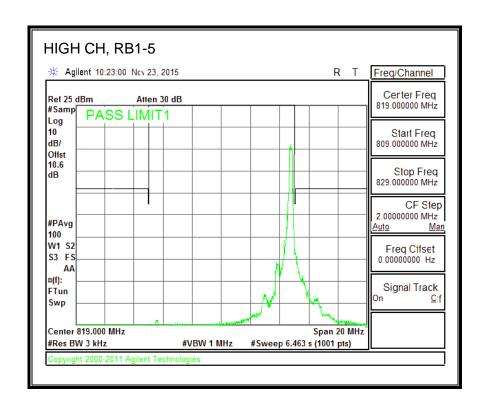
16QAM, (1.4 MHz BAND WIDTH)

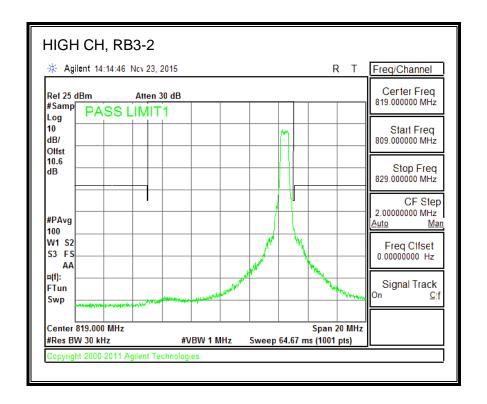


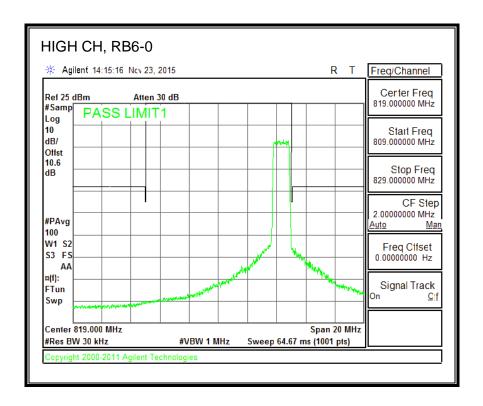


Page 499 of 1111

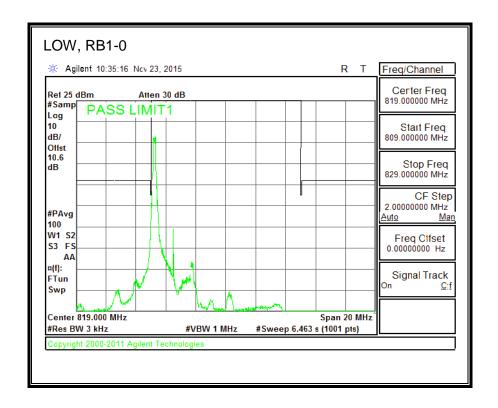


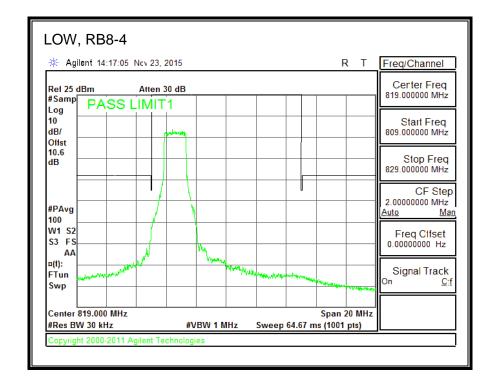




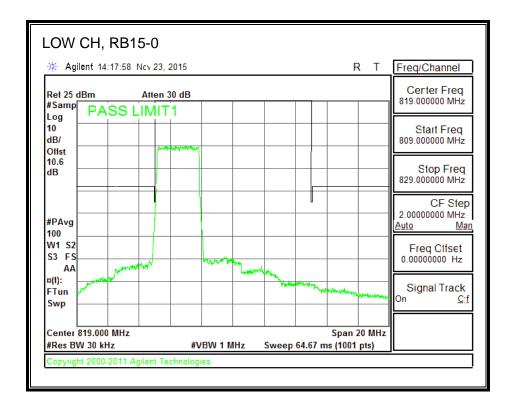


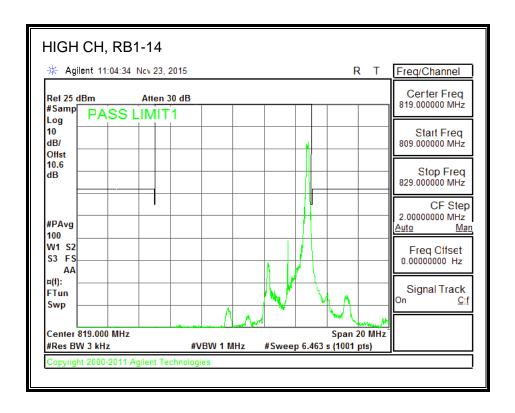
QPSK, (3.0 MHz BAND WIDTH)

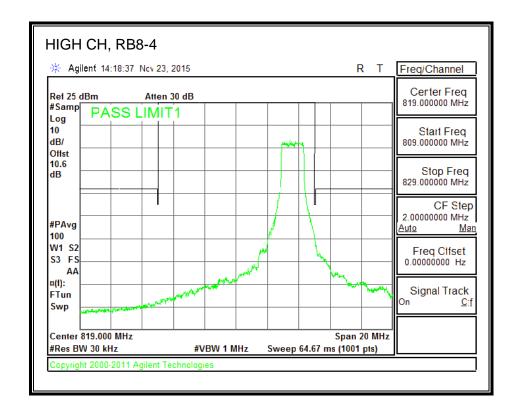


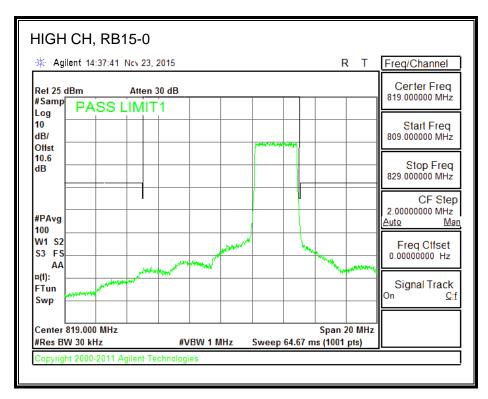


Page 502 of 1111

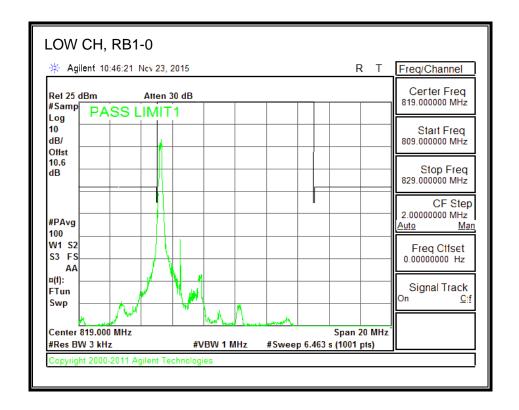


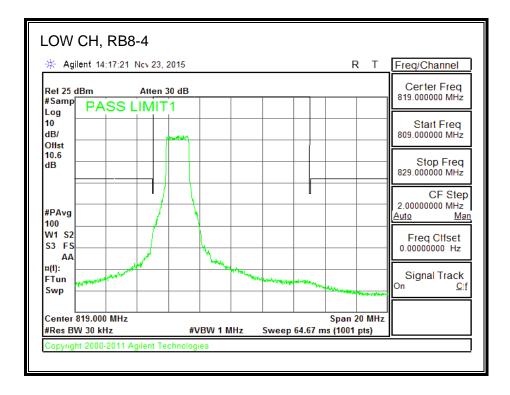




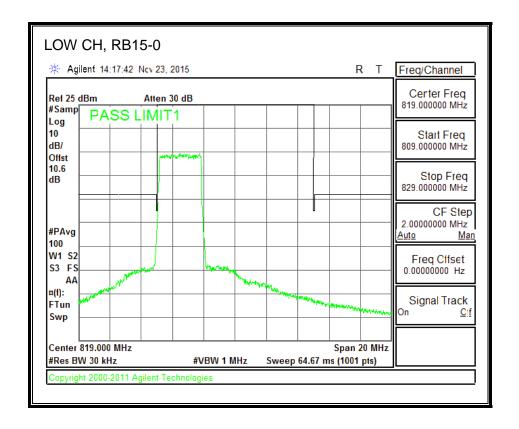


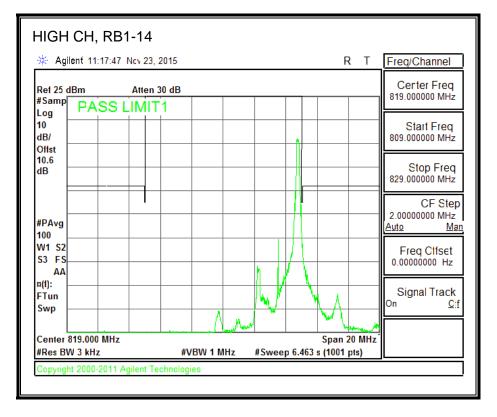
16QAM, (3.0 MHz BAND WIDTH)

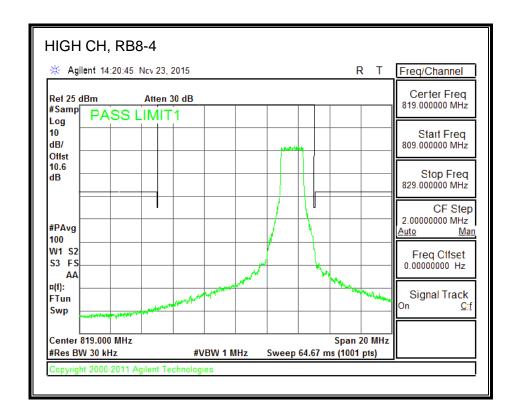


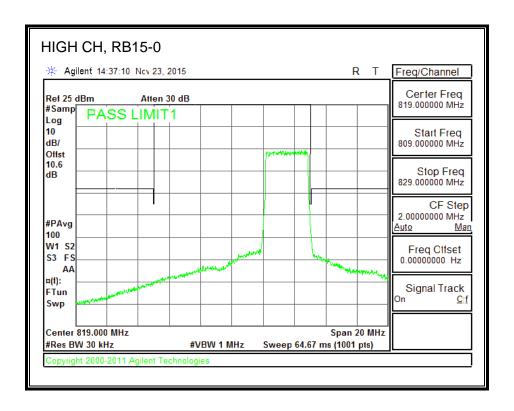


Page 505 of 1111

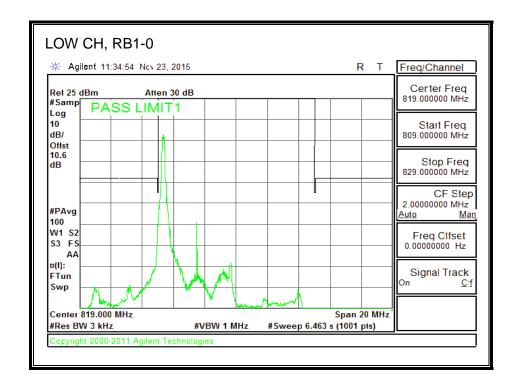


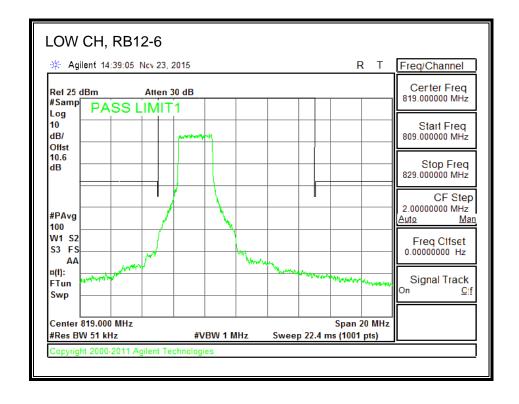


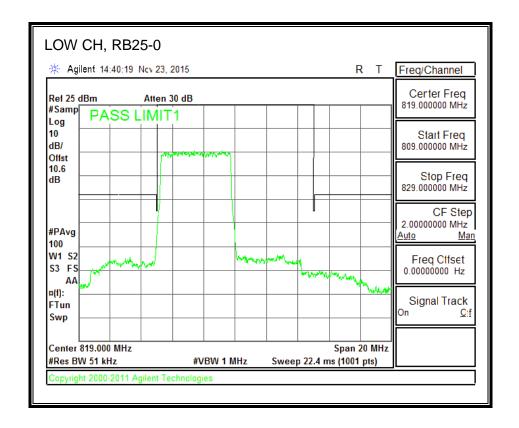


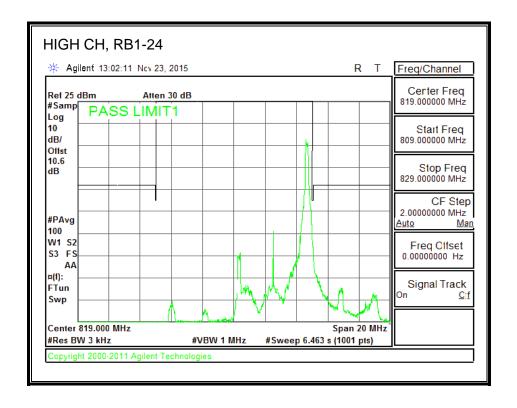


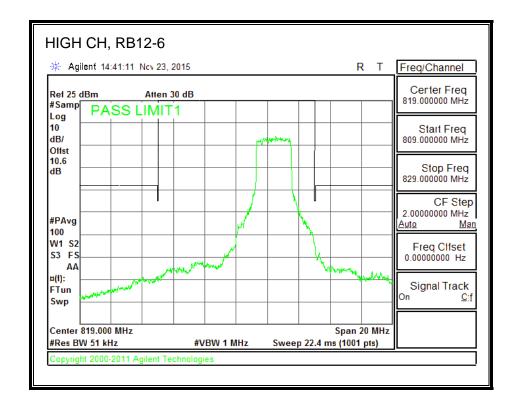
QPSK, (5.0 MHz BAND WIDTH)

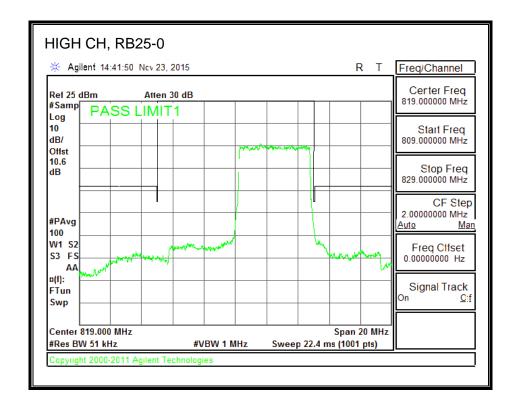




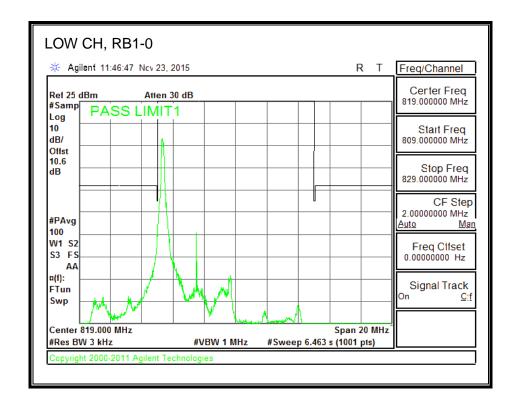


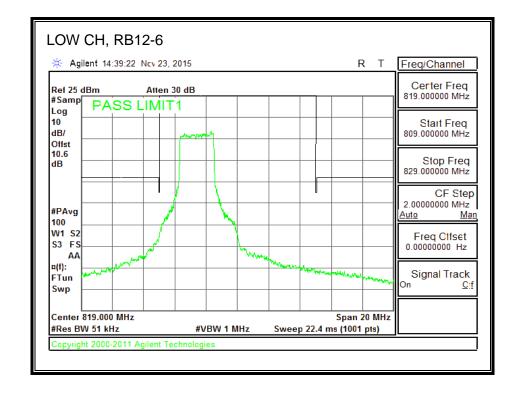




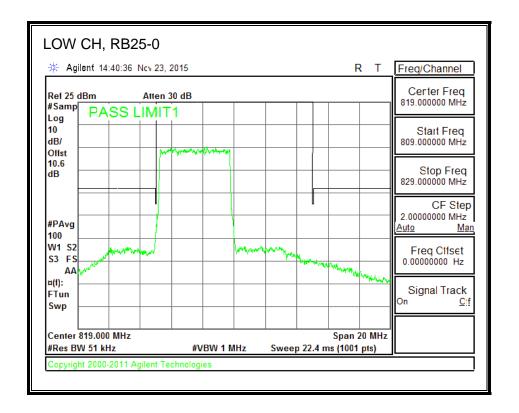


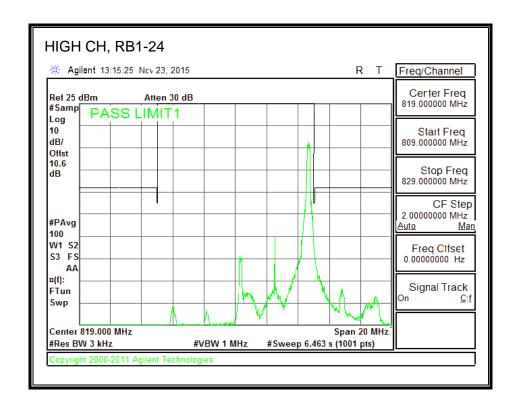
16QAM, (5.0 MHz BAND WIDTH)

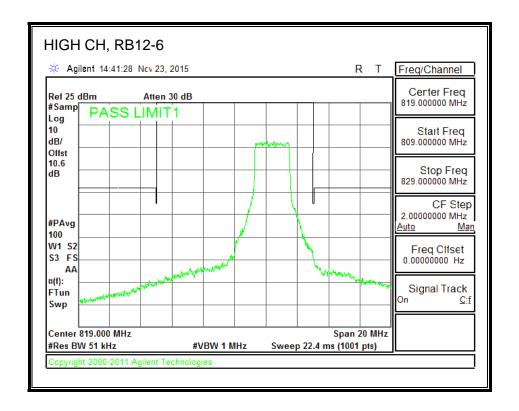


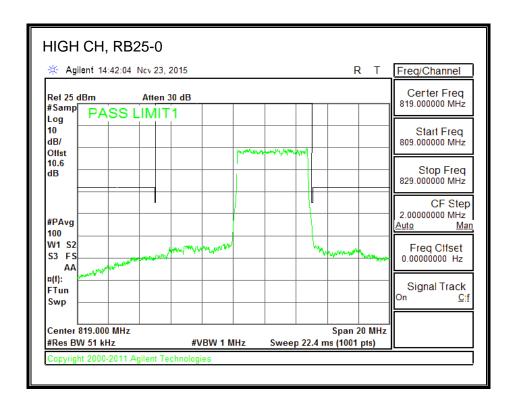


Page 511 of 1111

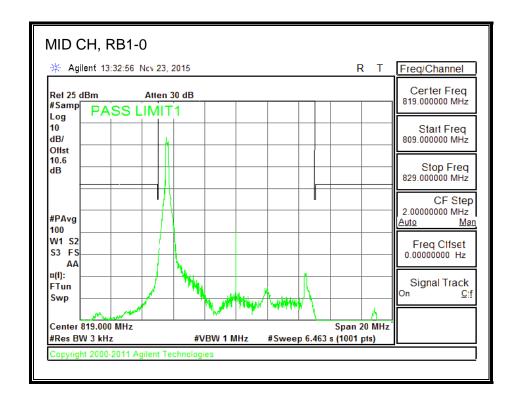


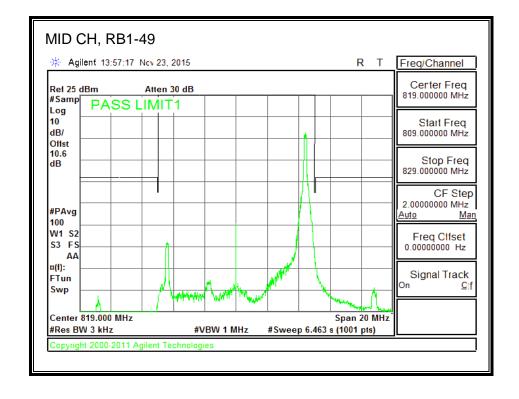




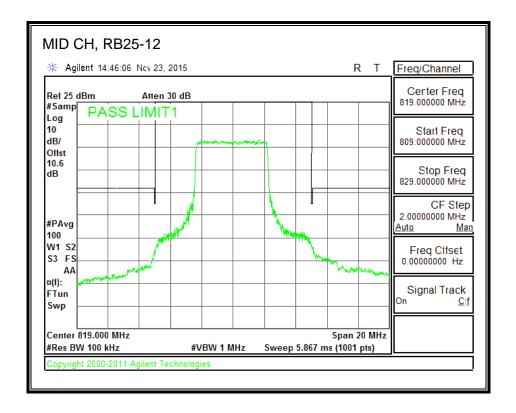


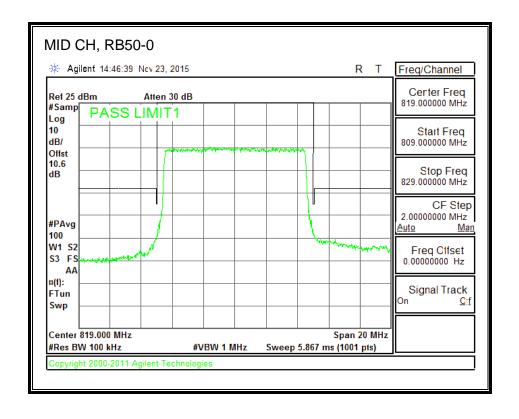
QPSK, (10.0 MHz BAND WIDTH)



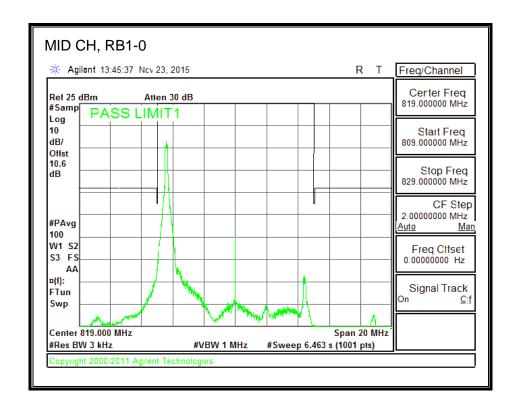


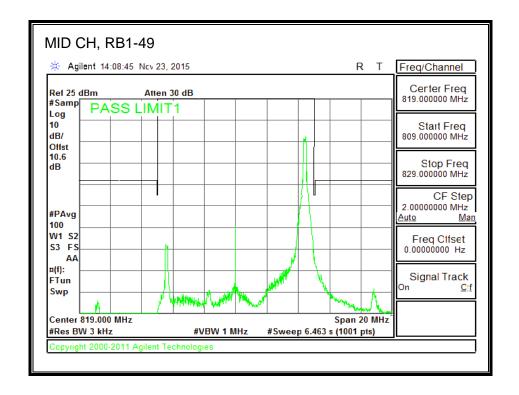
Page 514 of 1111



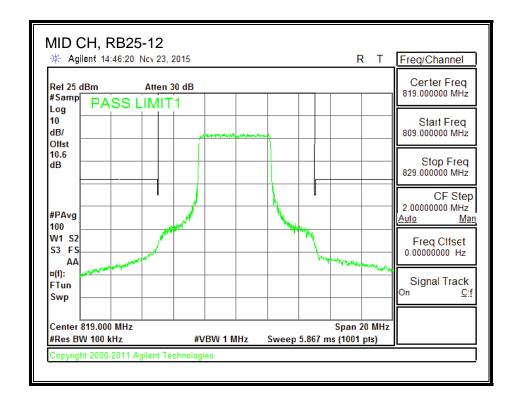


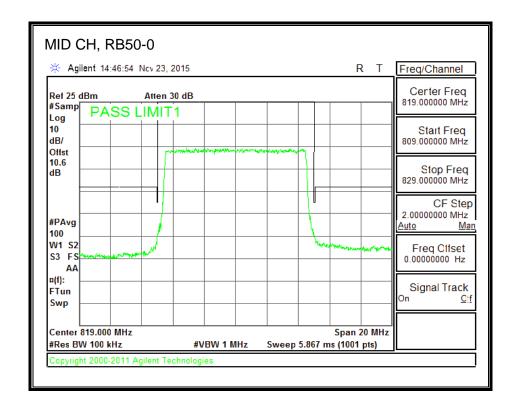
16QAM, (10.0 MHz BAND WIDTH)





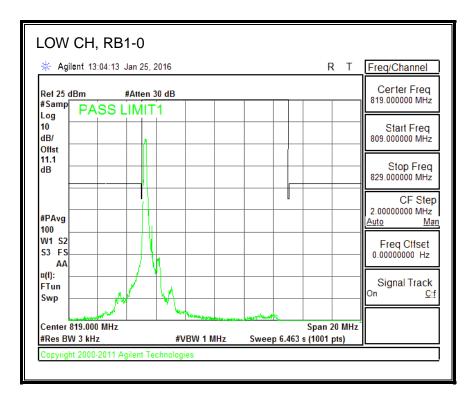
Page 516 of 1111

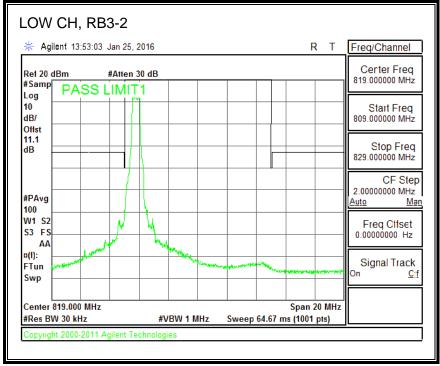




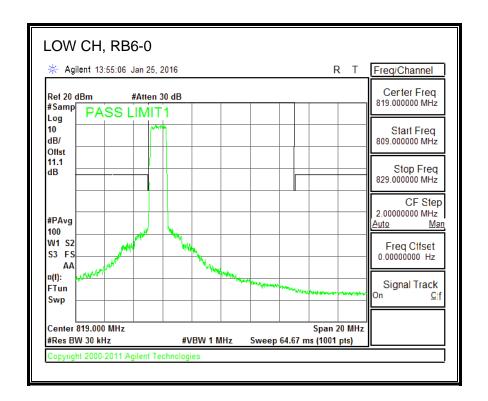
8.2.10. LTE BAND 27 EMISSION MASK

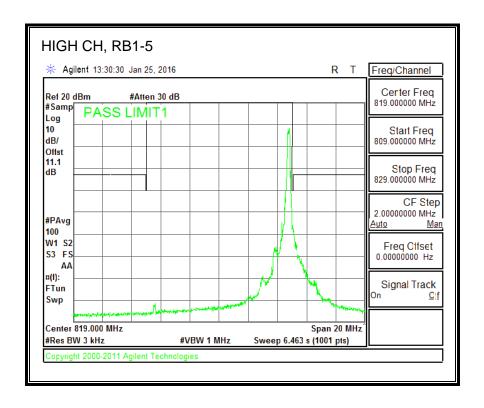
QPSK, (1.4 MHz BAND WIDTH)

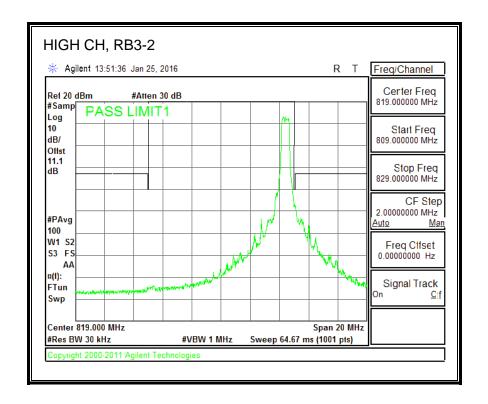


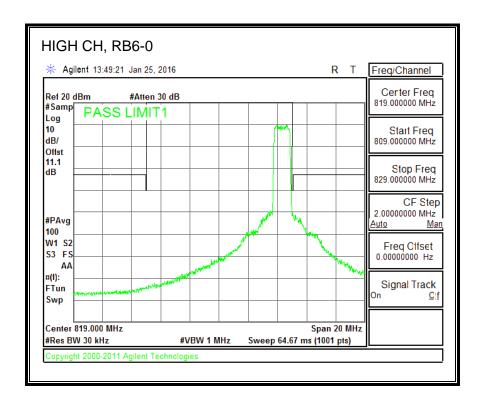


Page 518 of 1111

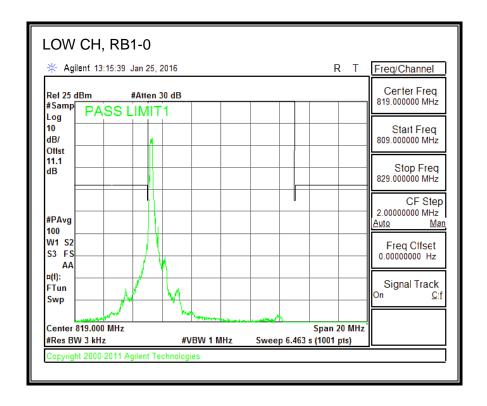


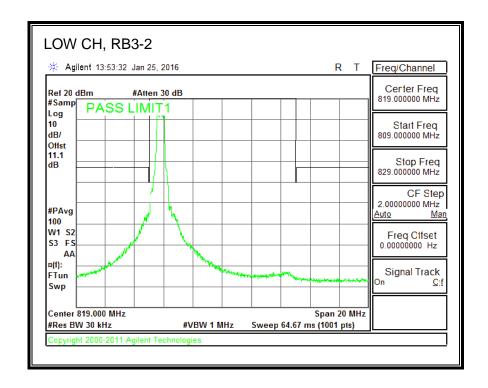


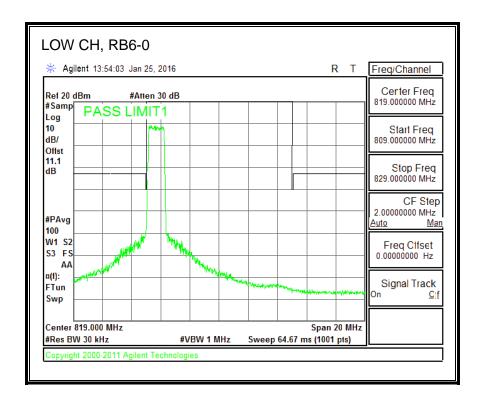


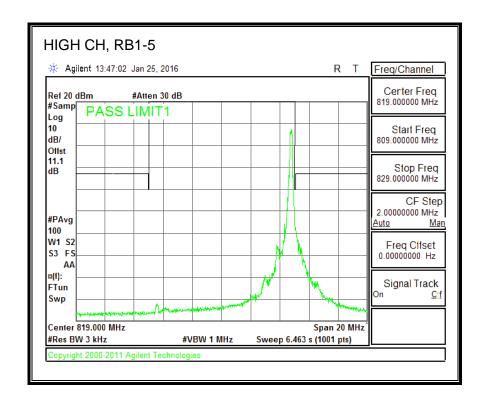


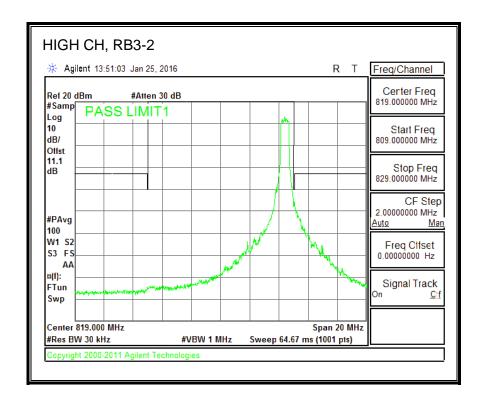
16QAM, (1.4 MHz BAND WIDTH)

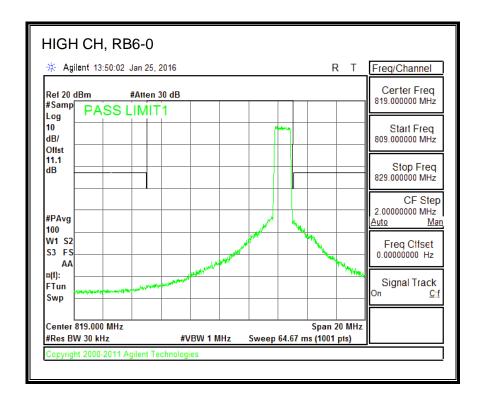




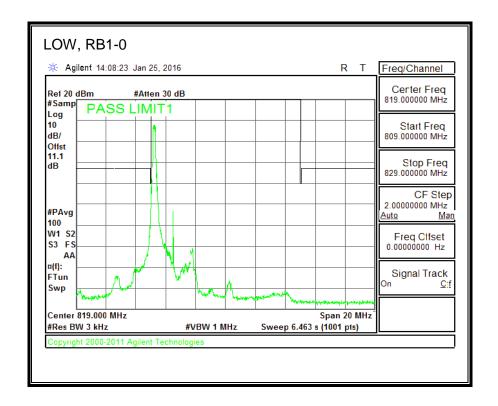


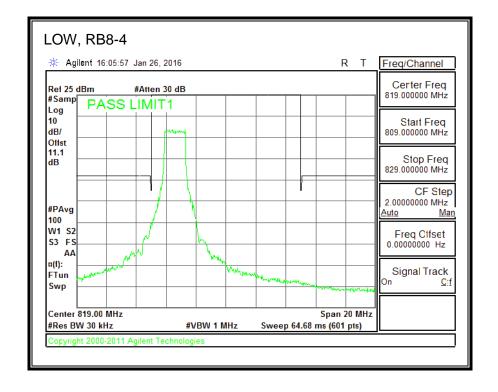




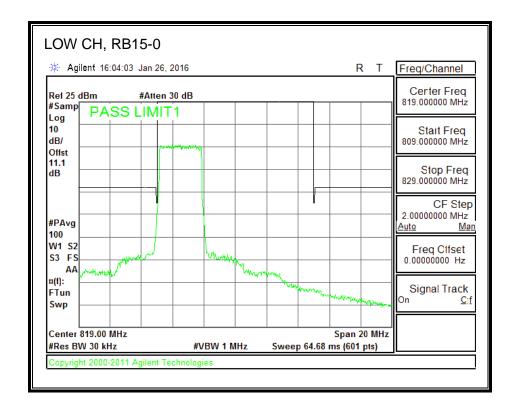


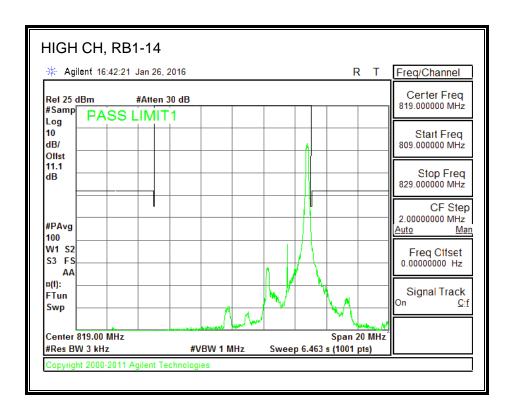
QPSK, (3.0 MHz BAND WIDTH)

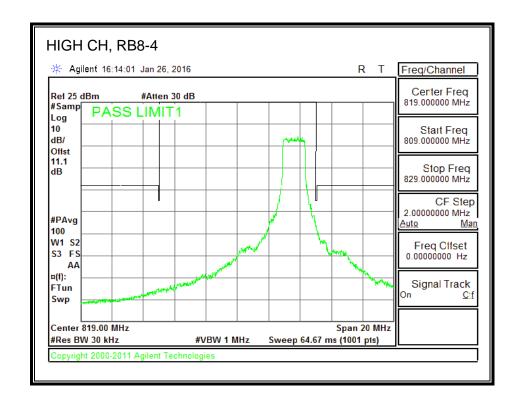


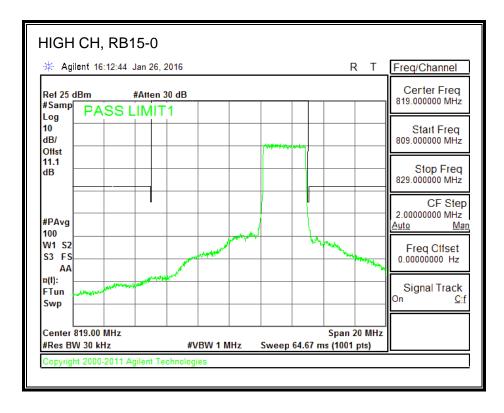


Page 524 of 1111

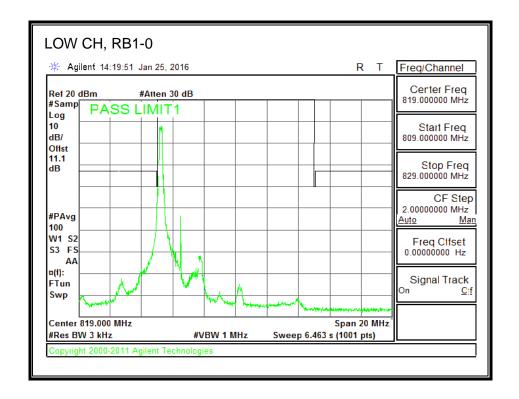


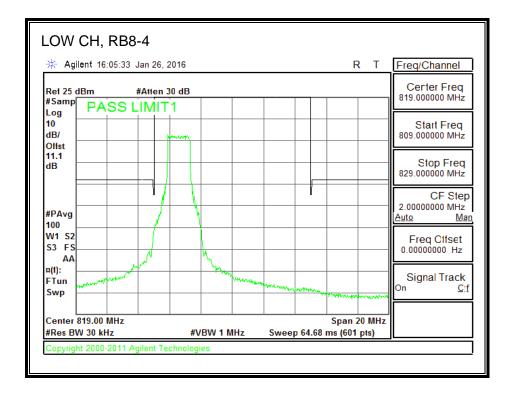


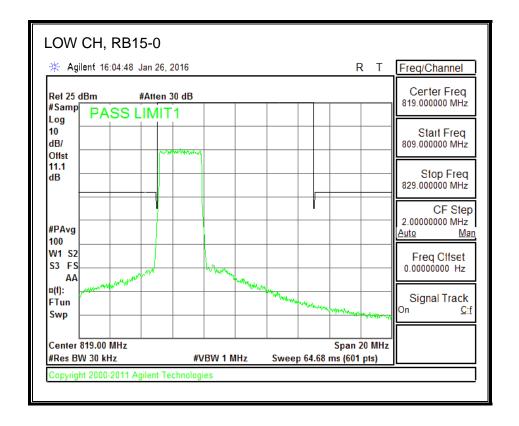


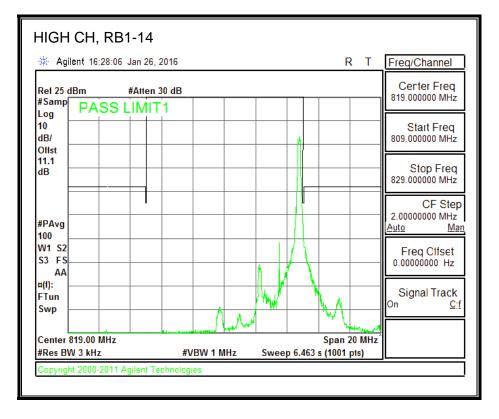


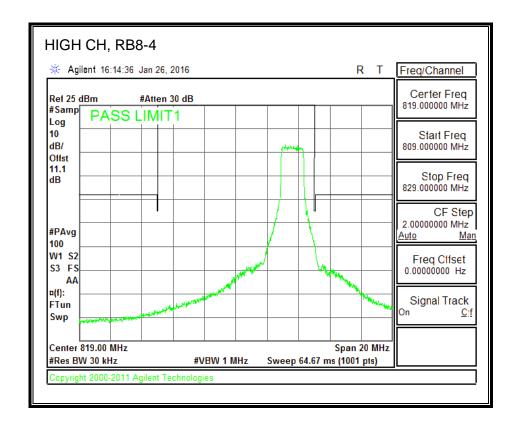
16QAM, (3.0 MHz BAND WIDTH)

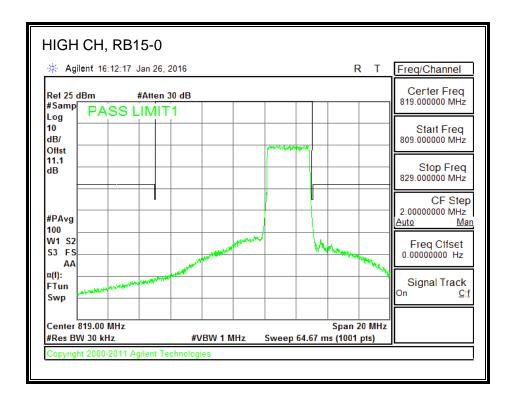




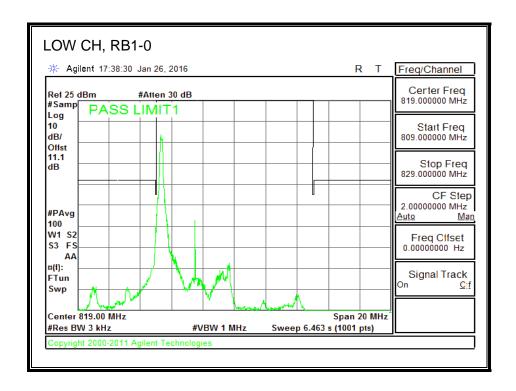


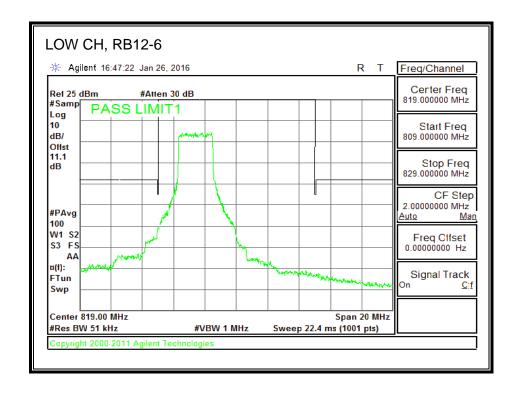


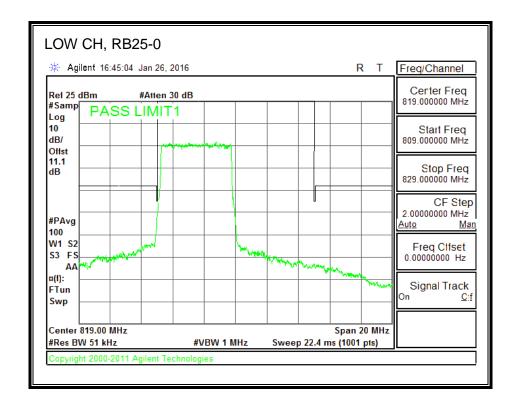


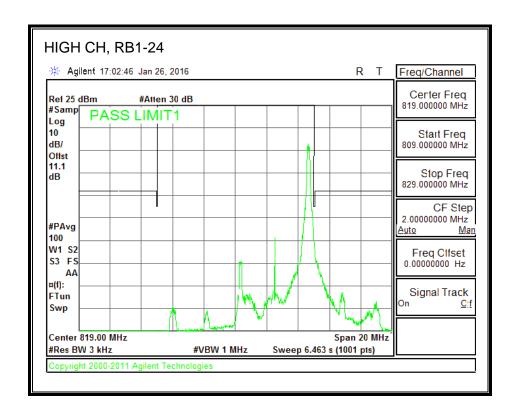


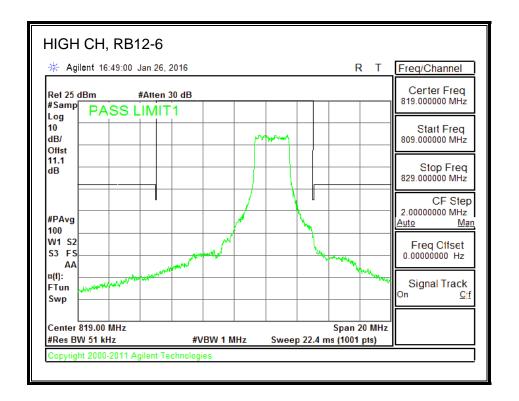
QPSK, (5.0 MHz BAND WIDTH)

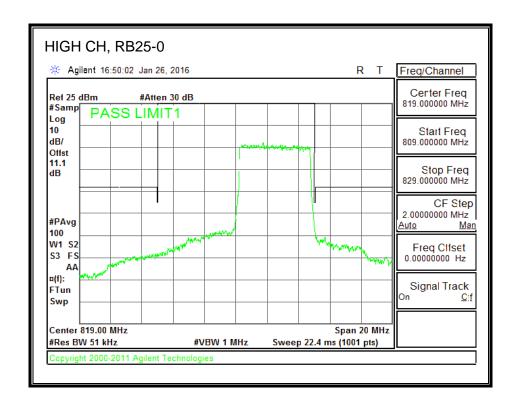




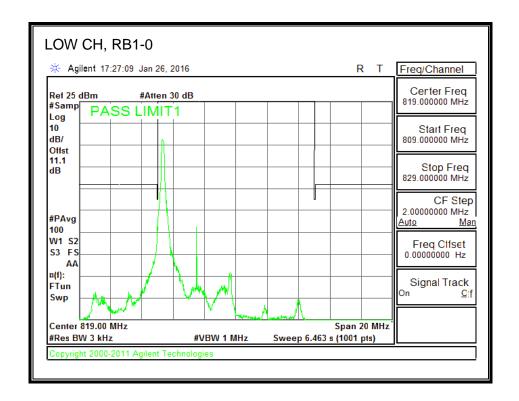


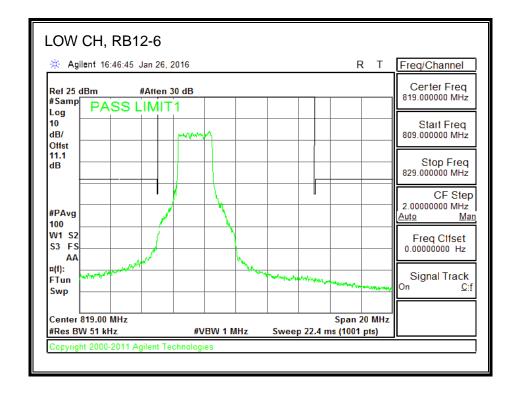




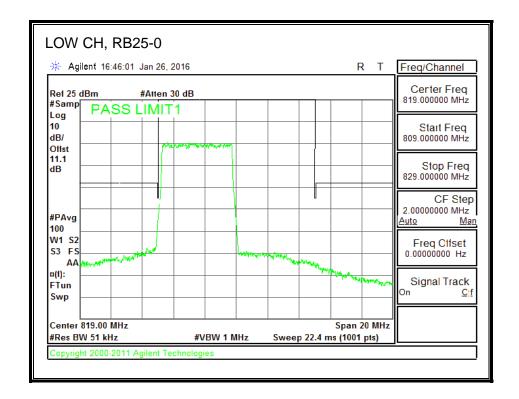


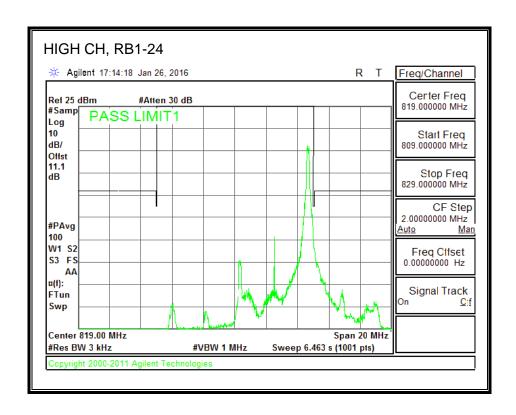
16QAM, (5.0 MHz BAND WIDTH)

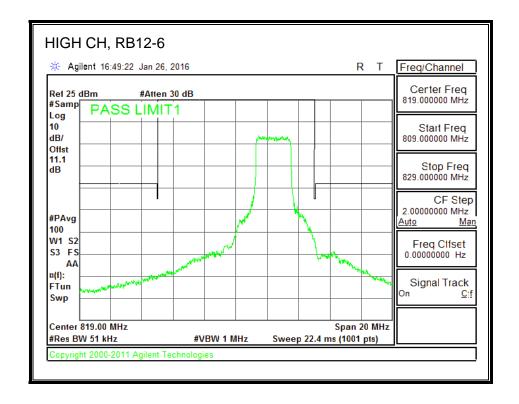


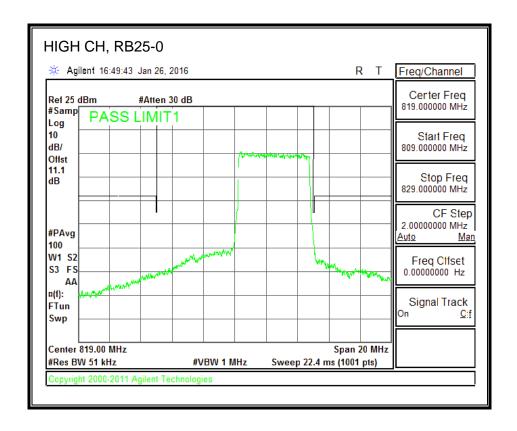


Page 533 of 1111



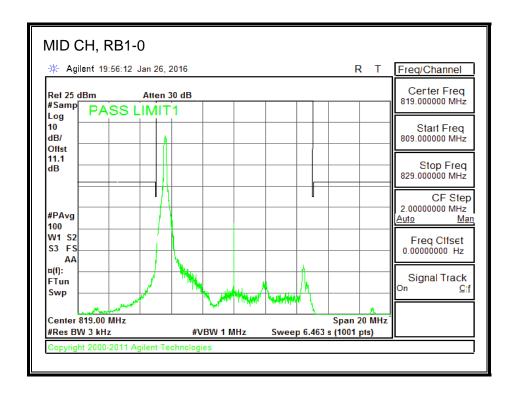


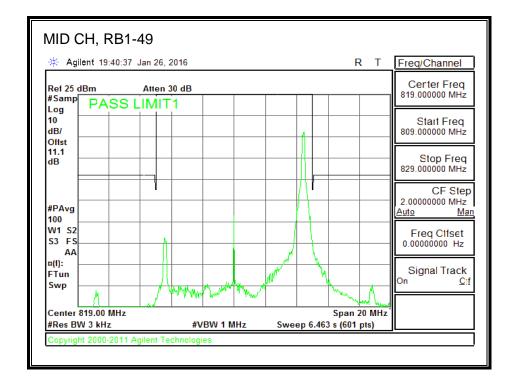


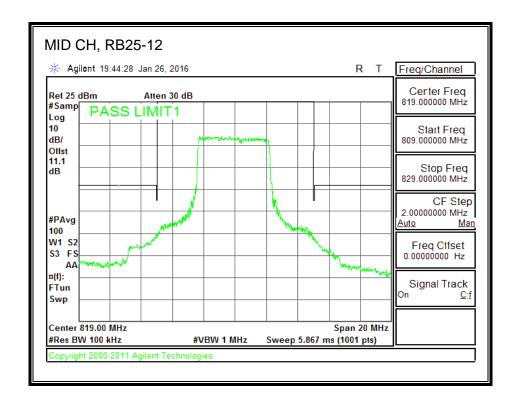


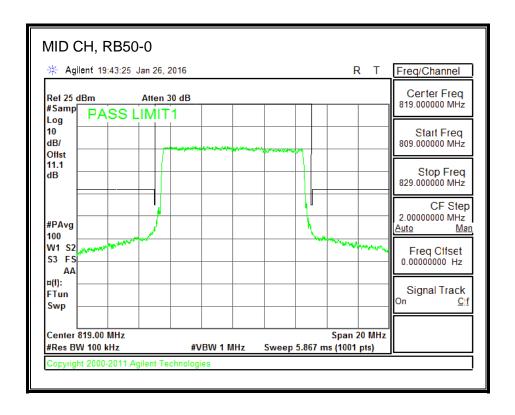
Page 535 of 1111

QPSK, (10.0 MHz BAND WIDTH)

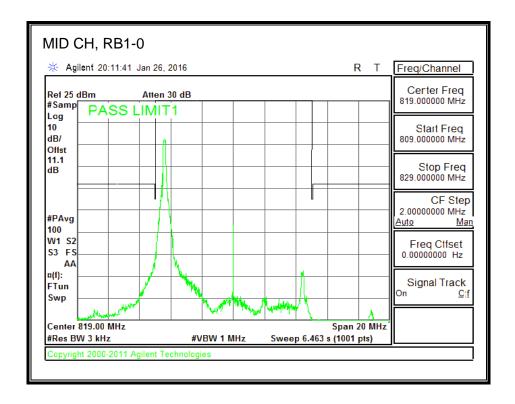


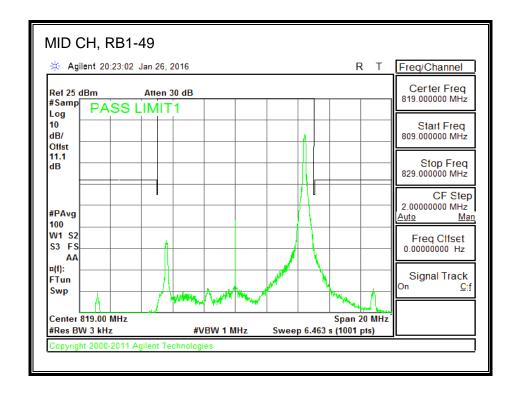




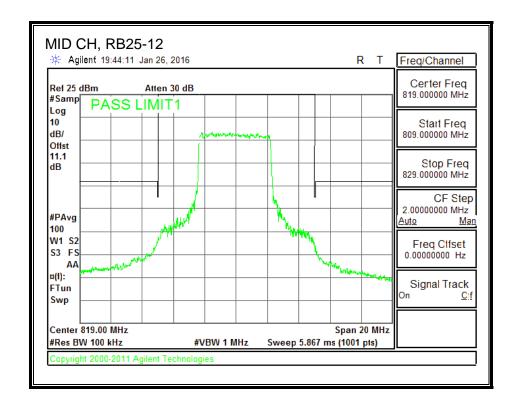


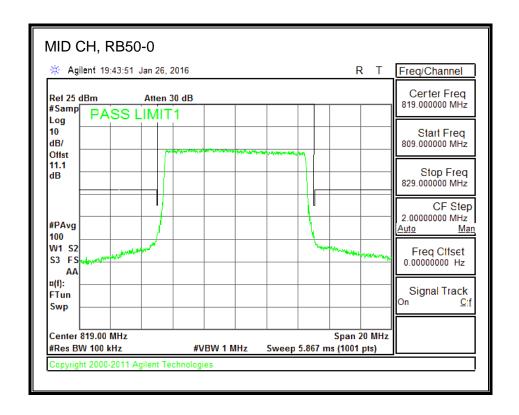
16QAM, (10.0 MHz BAND WIDTH)





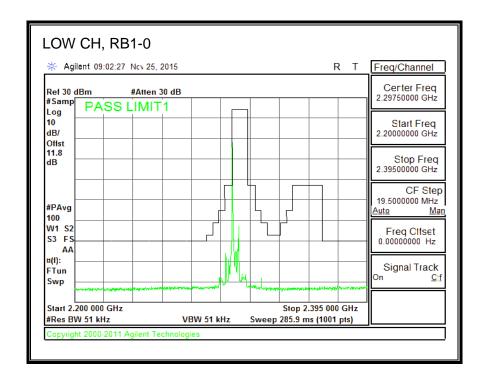
Page 538 of 1111

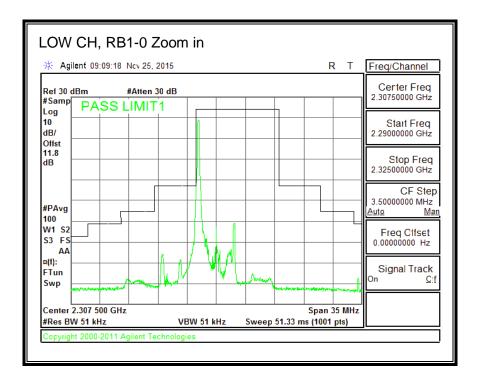


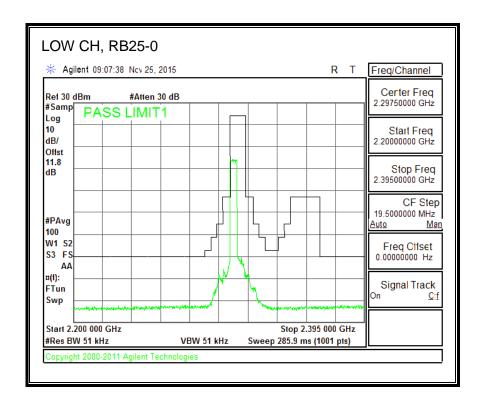


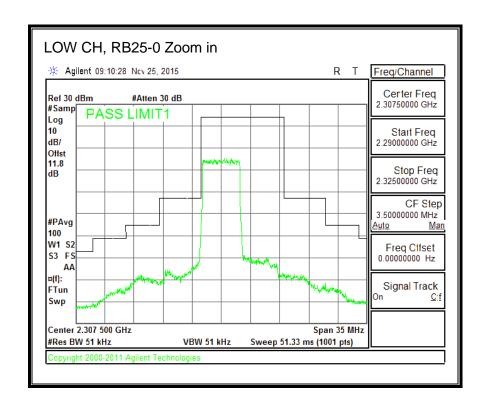
8.2.11. LTE BAND 30 EMISSION MASK

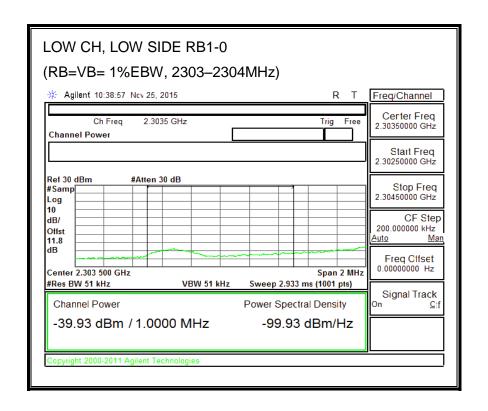
QPSK, (5.0 MHz BAND WIDTH)

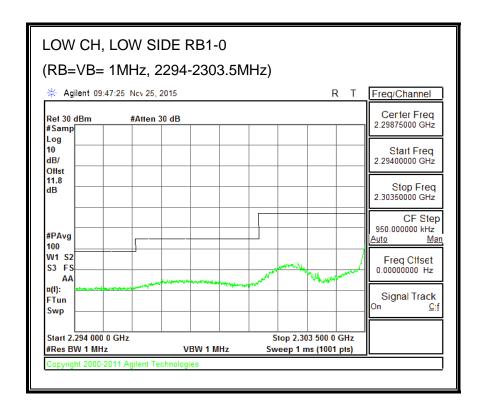


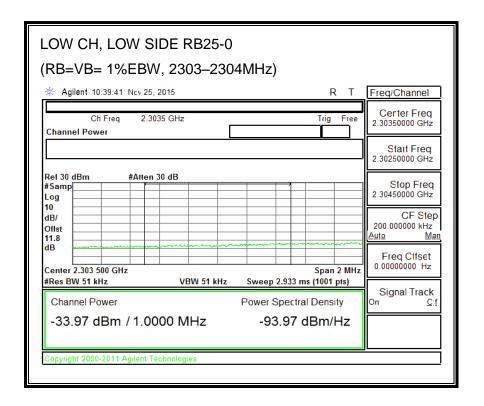


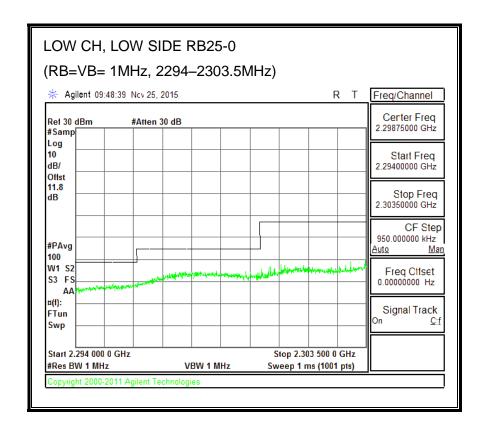




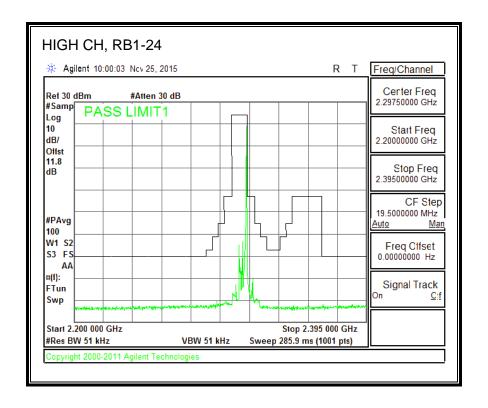


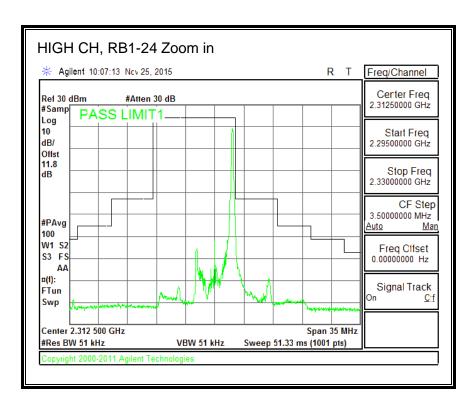


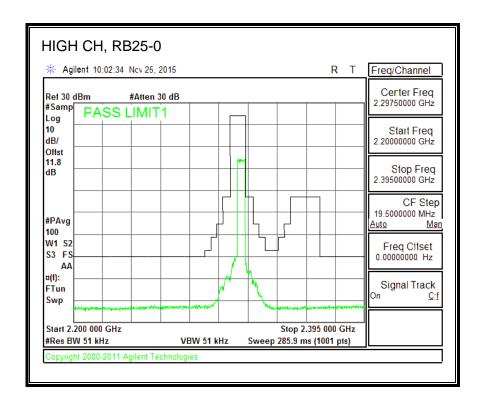


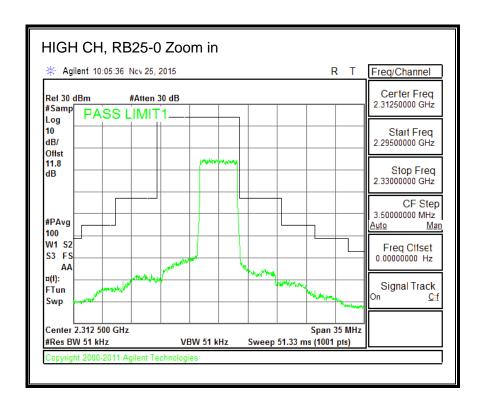


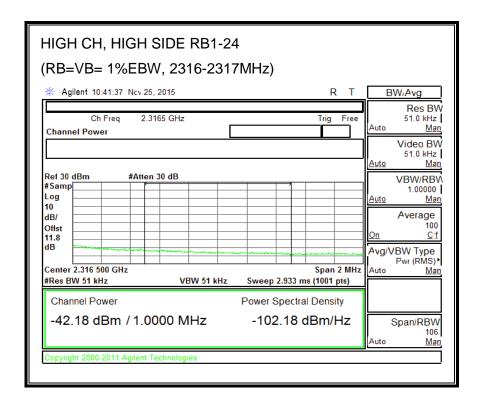
Page 543 of 1111

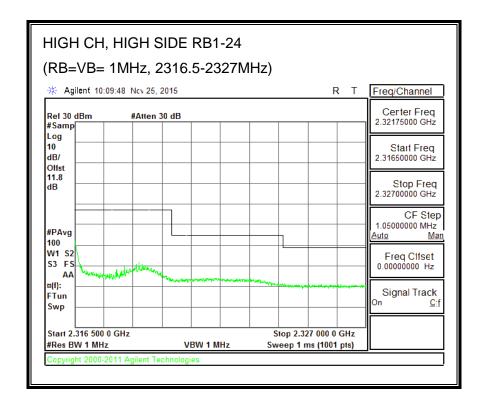


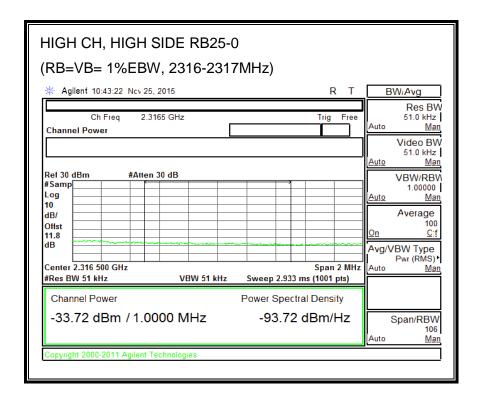


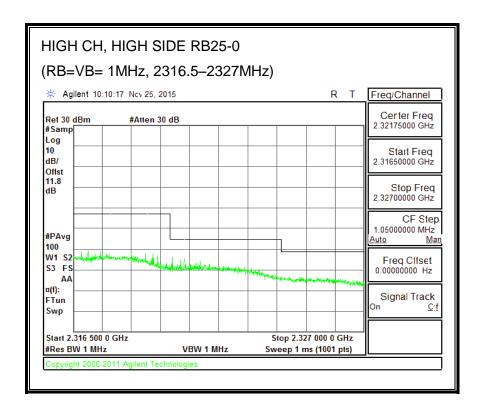




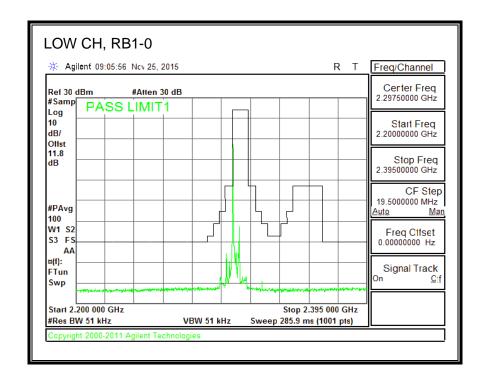


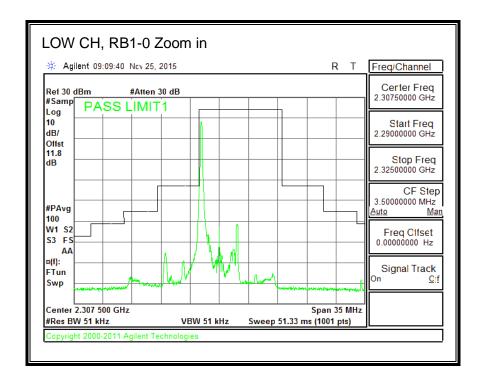


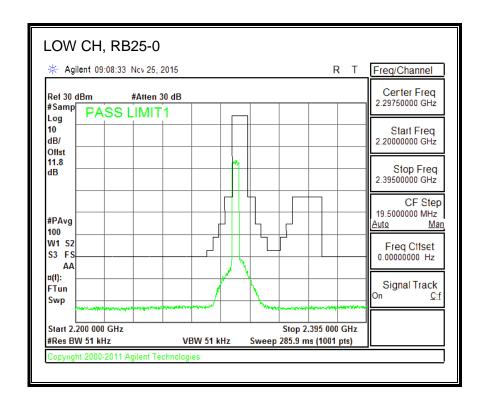


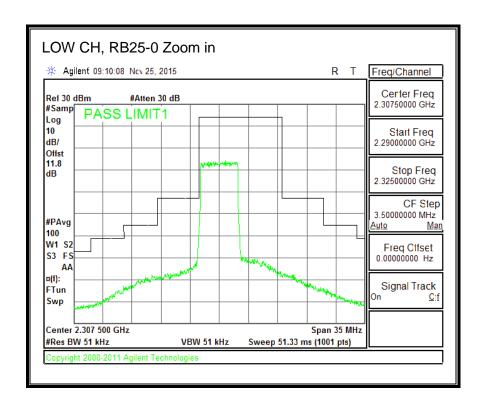


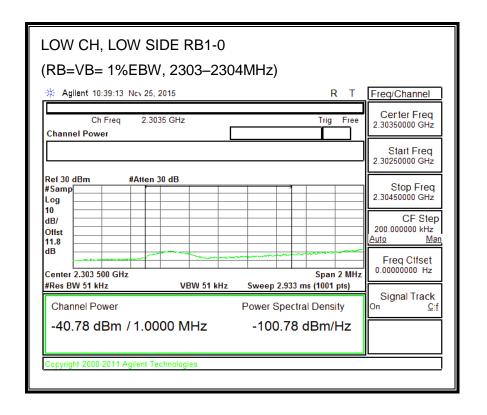
16QAM, (5.0 MHz BAND WIDTH)

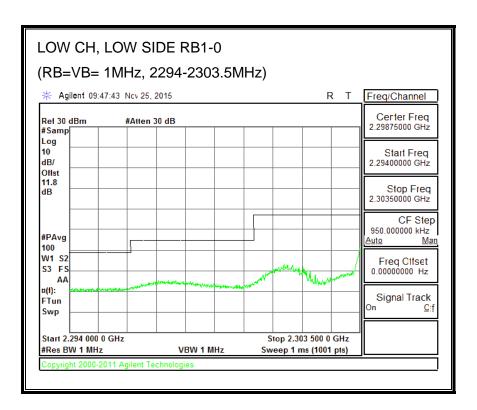


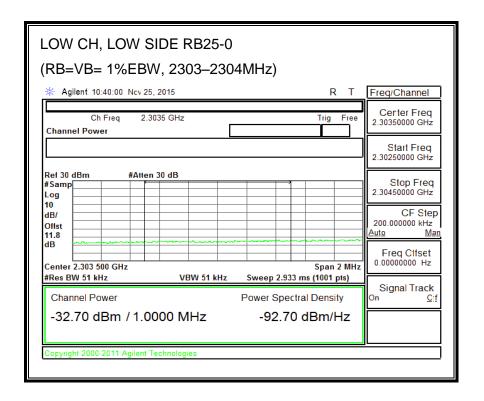


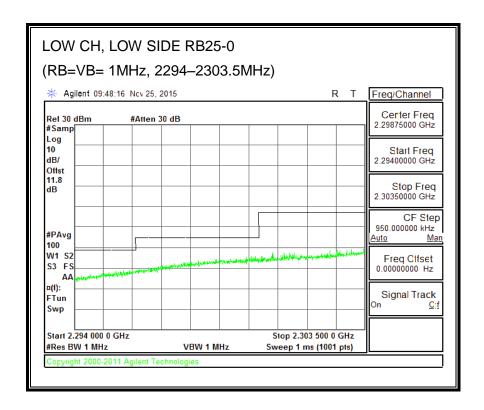


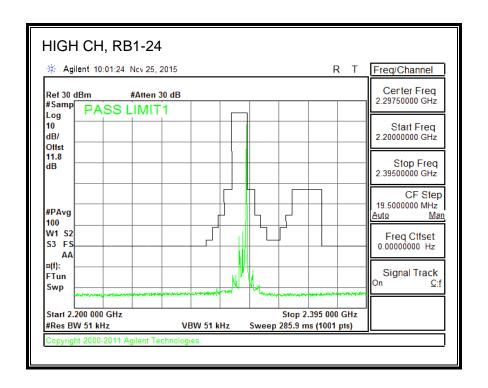


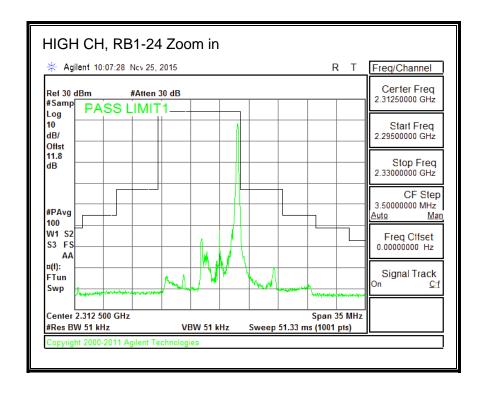


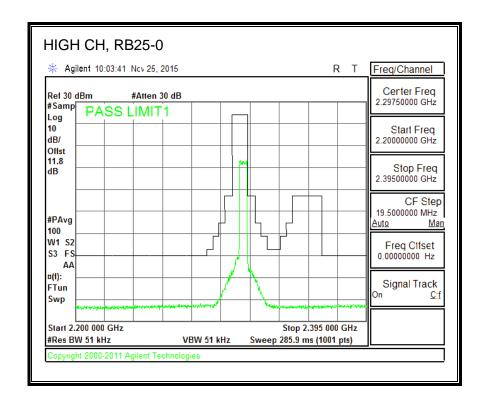


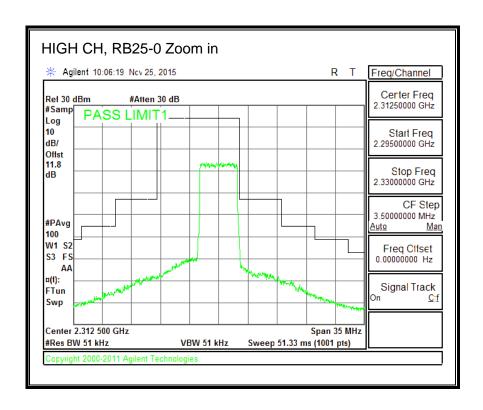


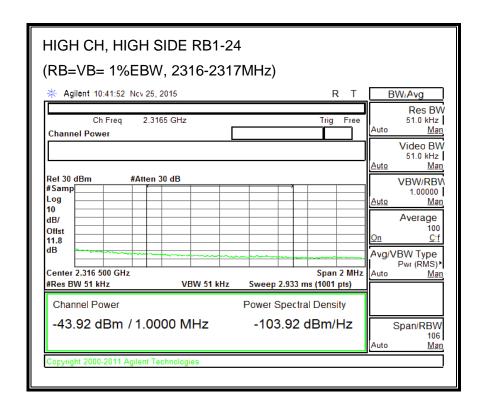


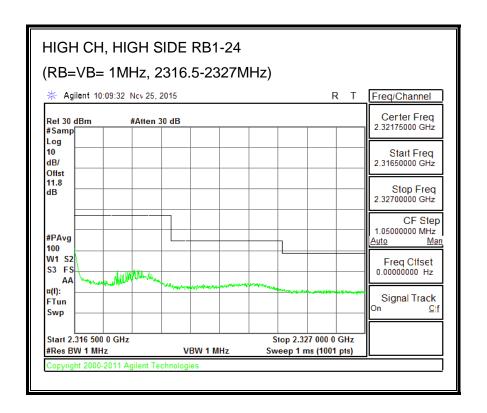


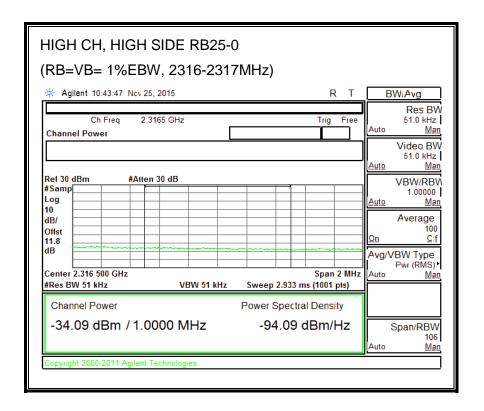


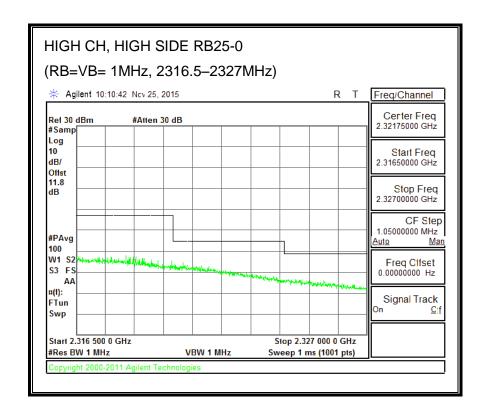




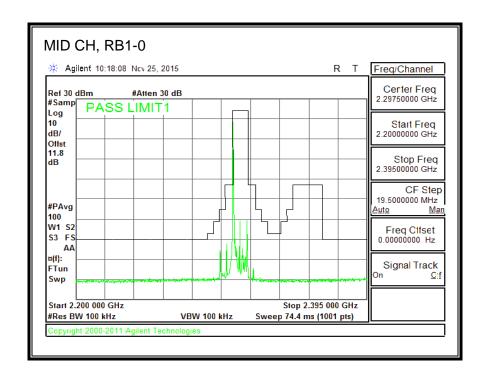


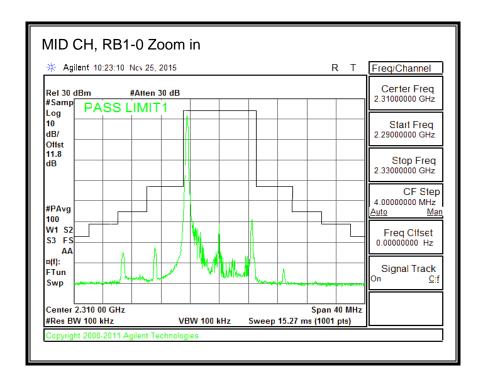


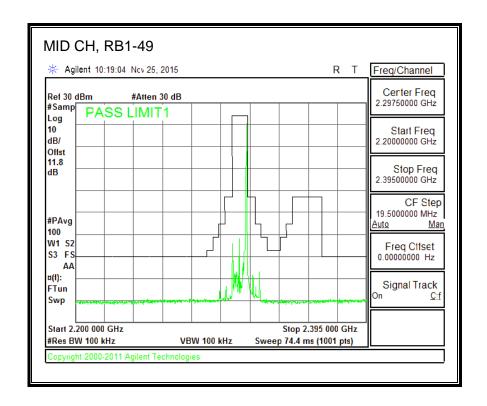


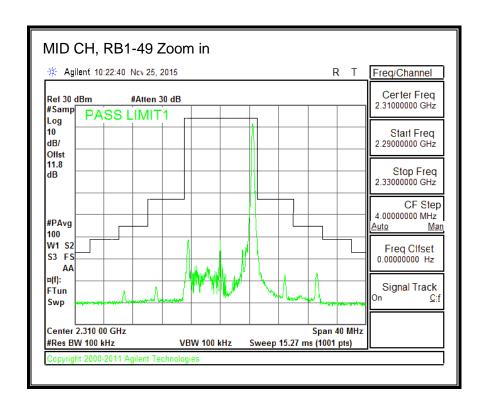


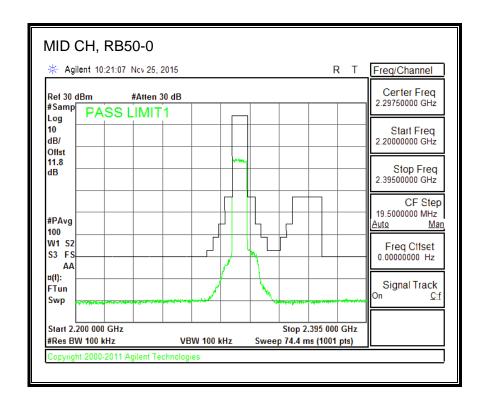
QPSK, (10.0 MHz BAND WIDTH)

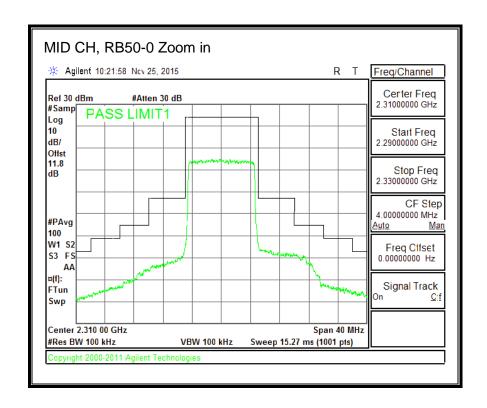


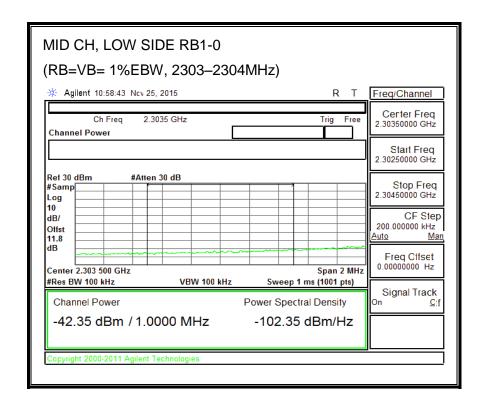


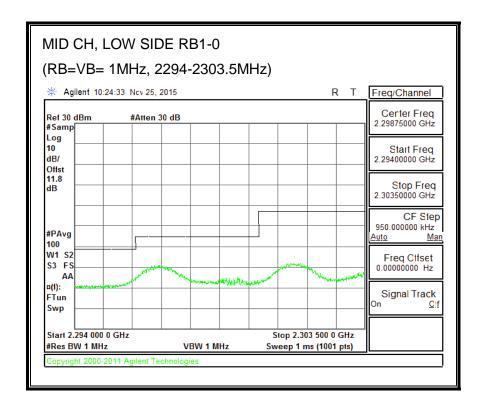


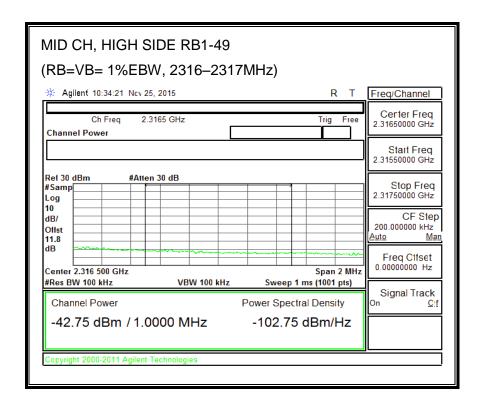


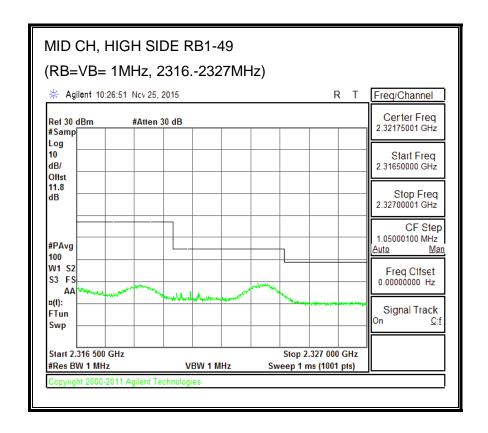




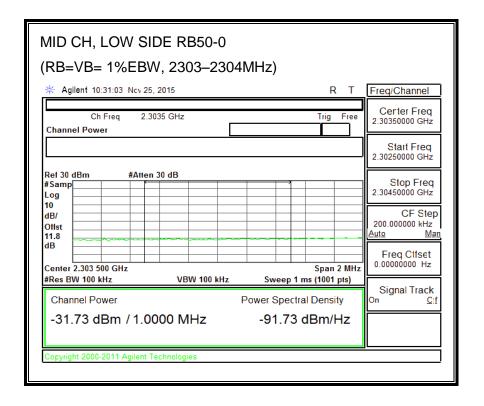


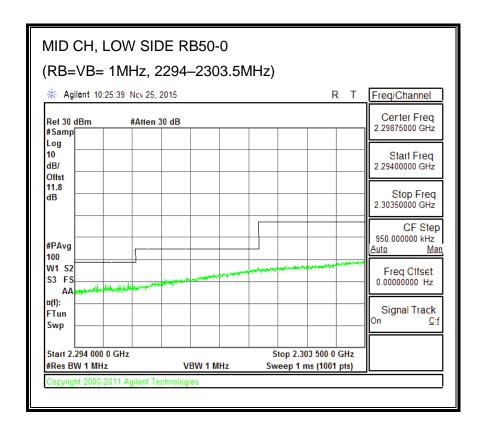




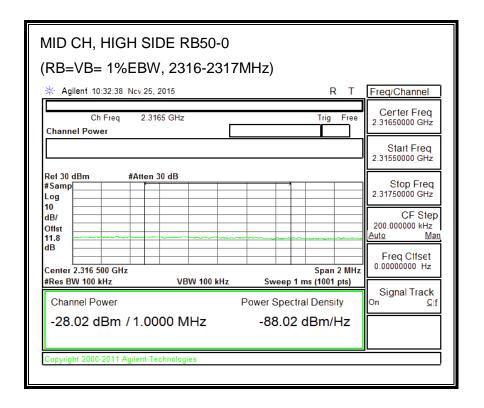


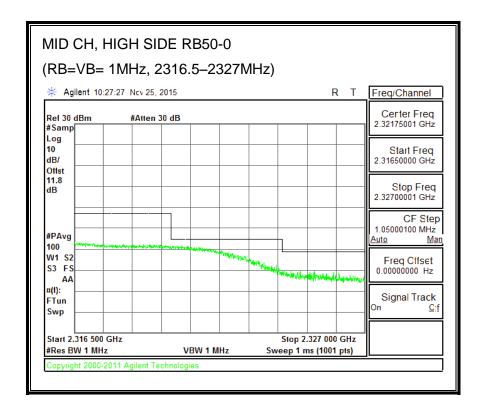
Page 560 of 1111



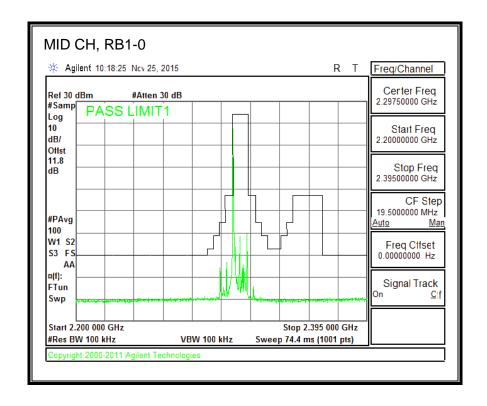


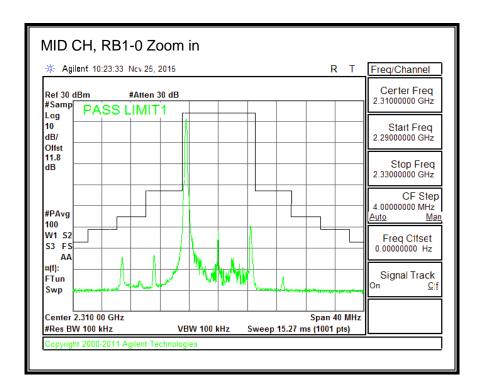
Page 561 of 1111



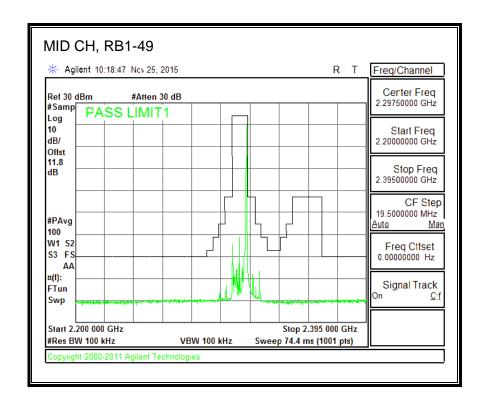


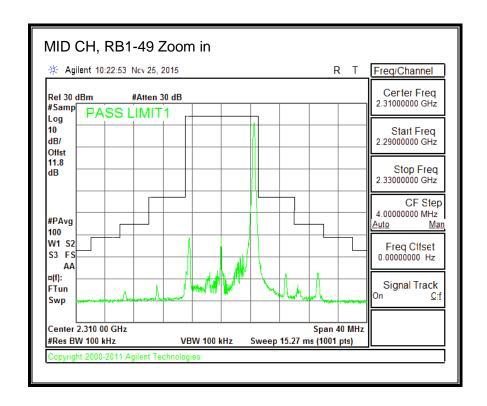
16QAM, (10.0 MHz BAND WIDTH)

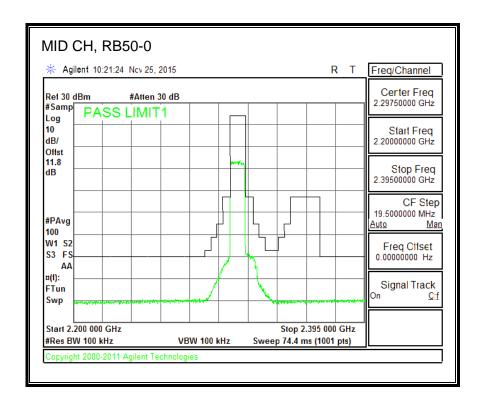


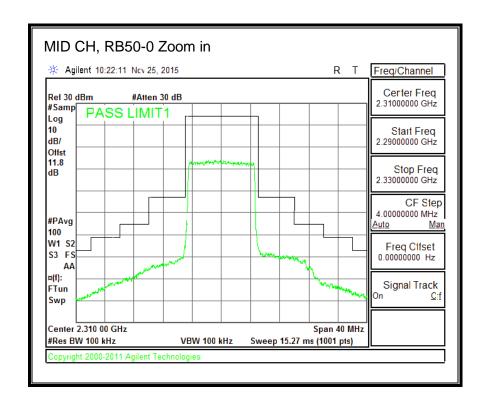


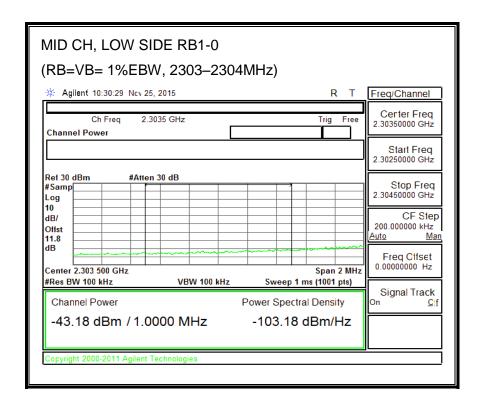
Page 563 of 1111

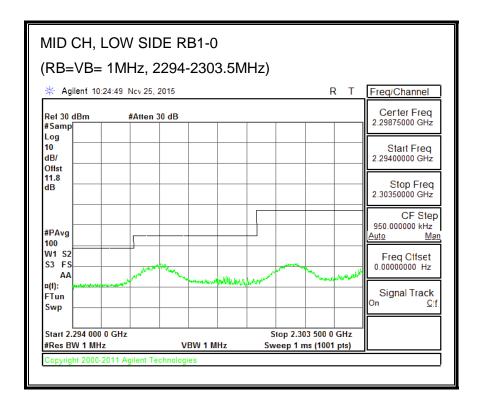


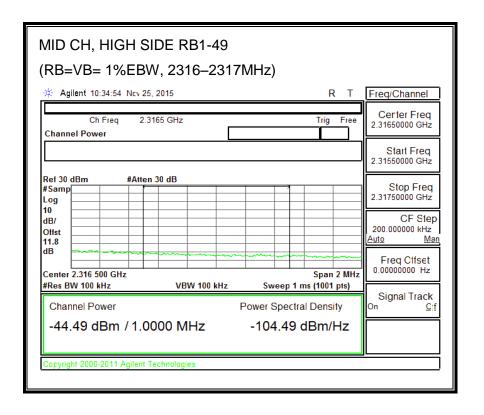


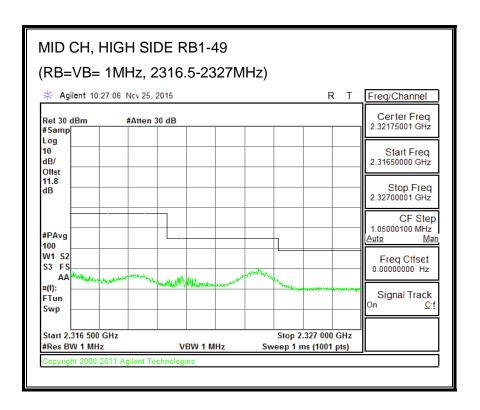


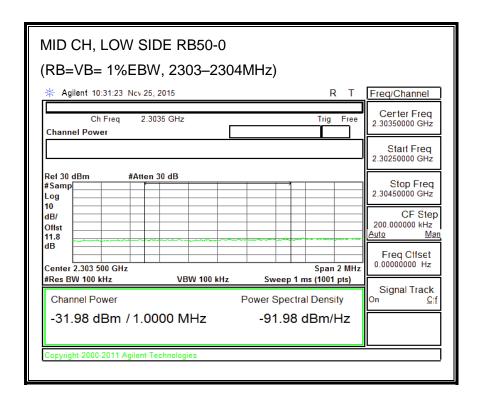


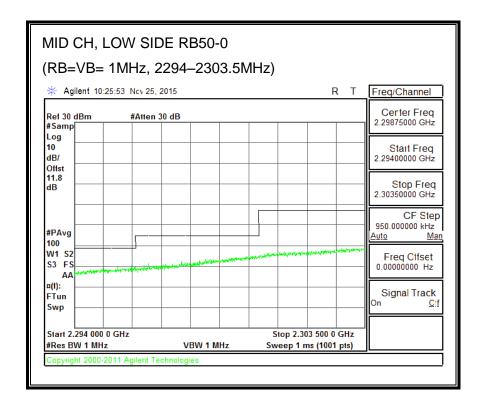


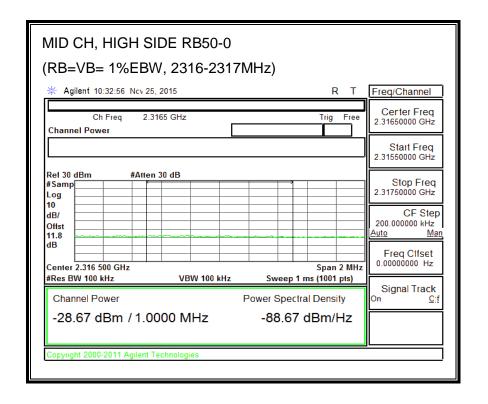


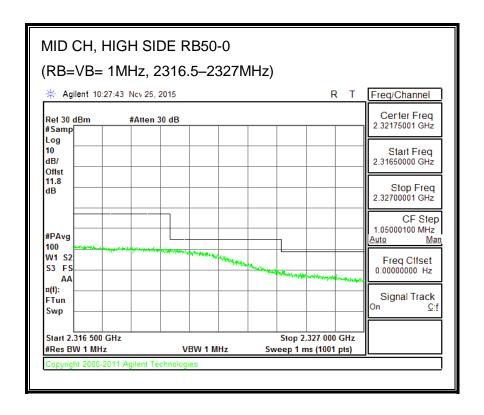






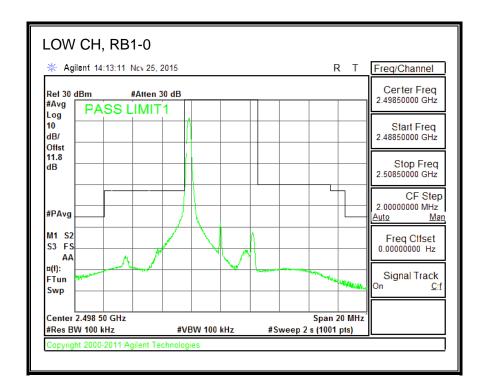


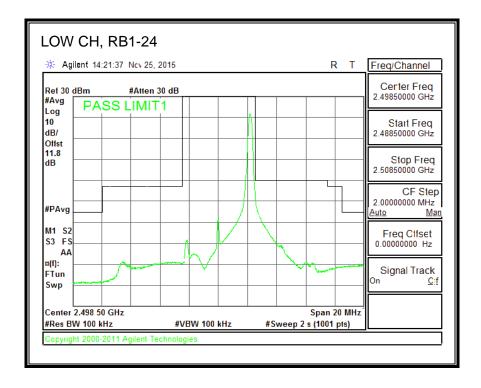


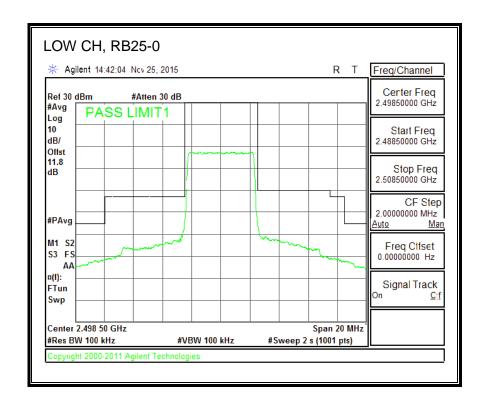


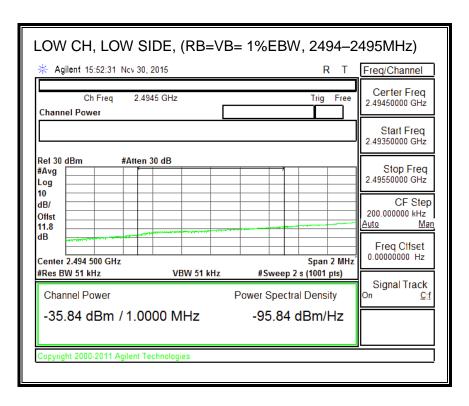
8.2.12. LTE BAND 41 EMISSION MASK

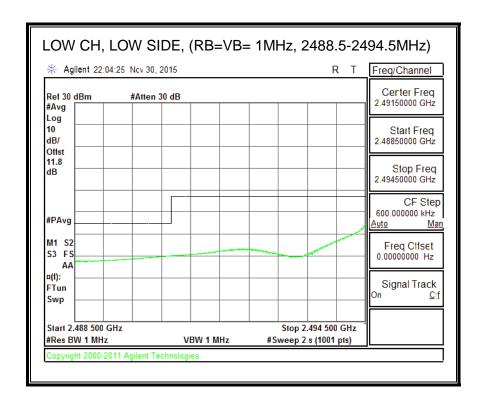
QPSK, (5.0 MHz BAND WIDTH)

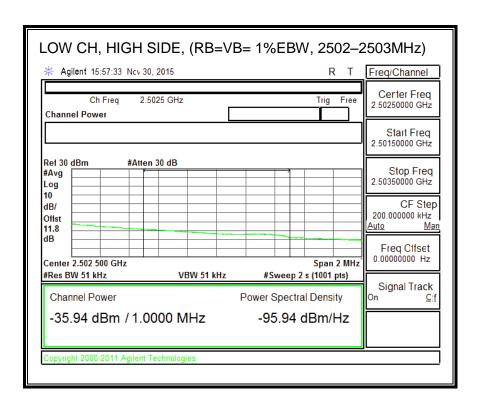


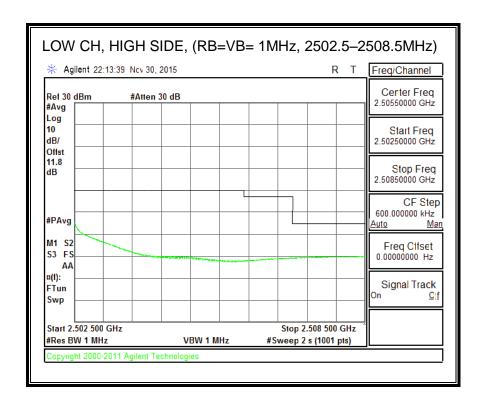


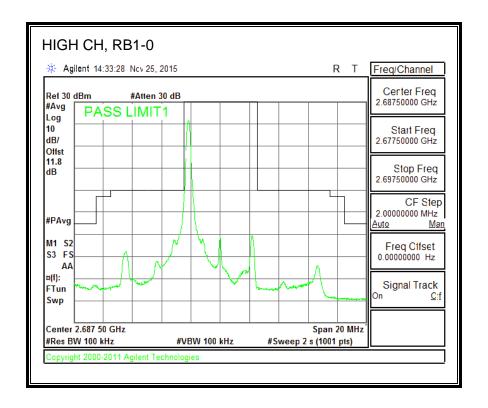


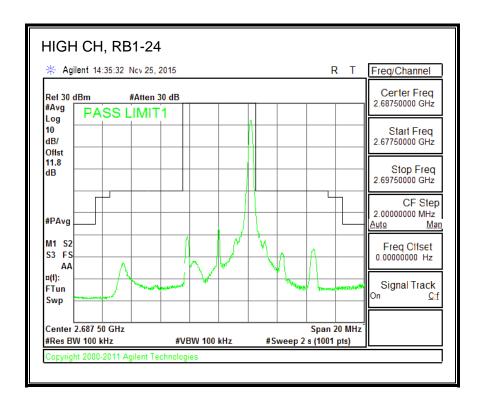


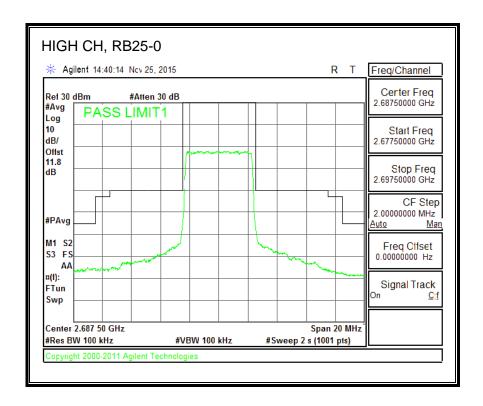


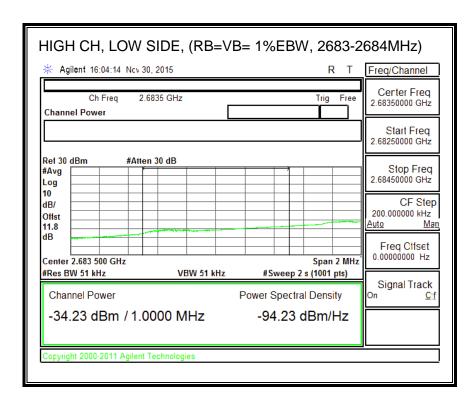


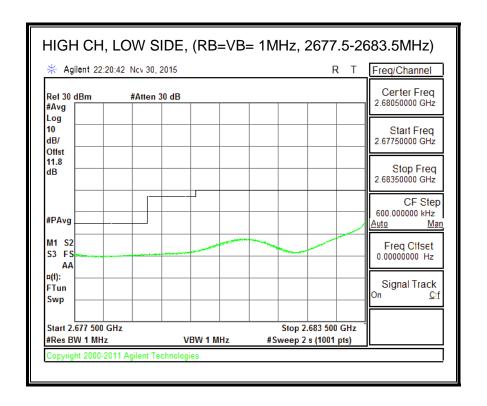


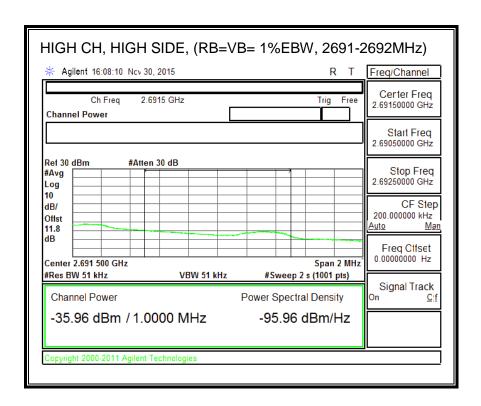


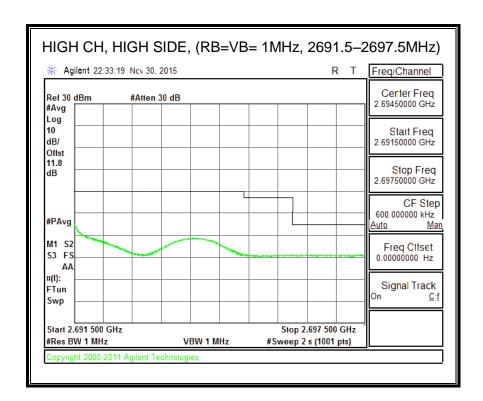




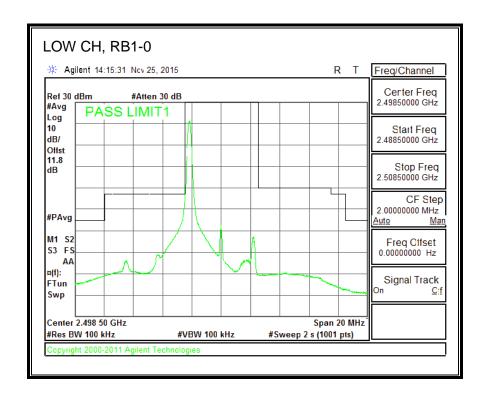


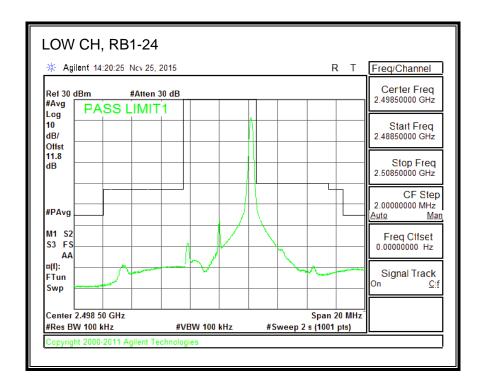


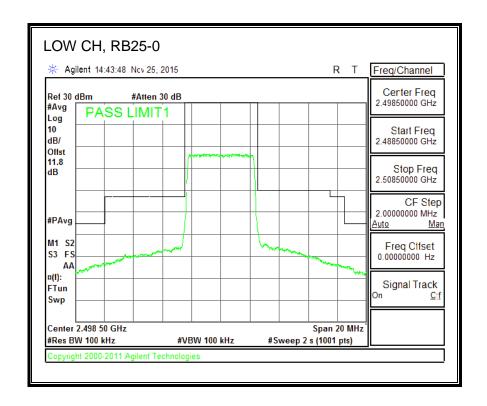


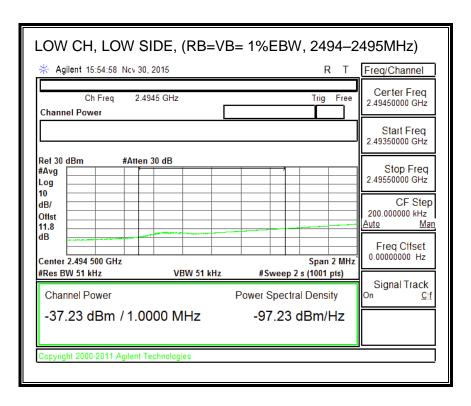


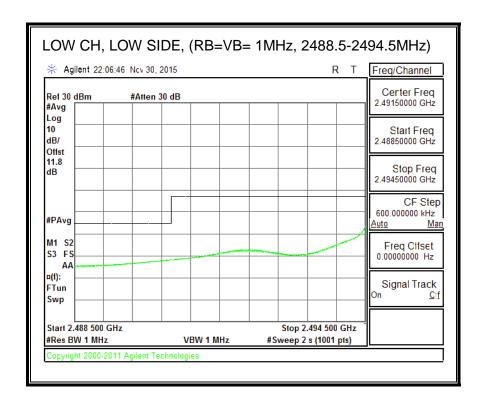
16QAM, (5.0 MHz BAND WIDTH)

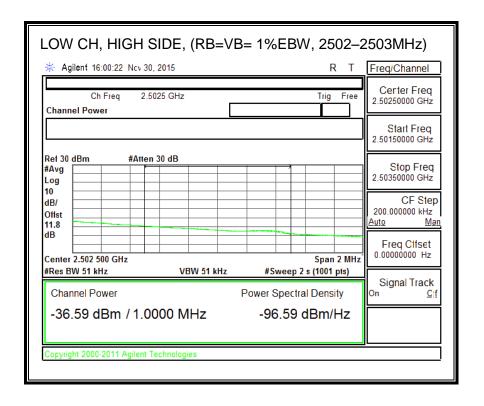


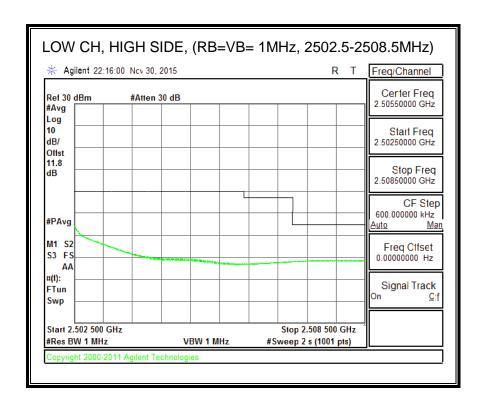


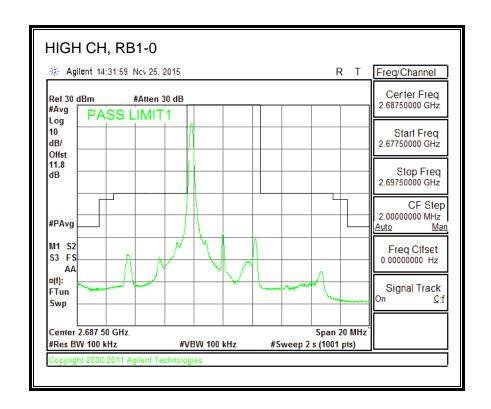


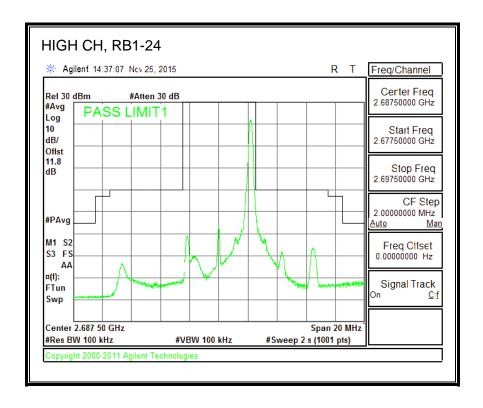


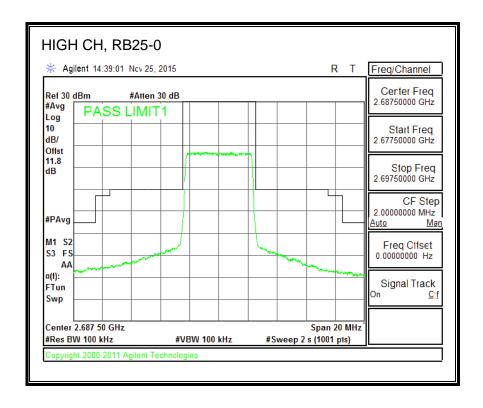


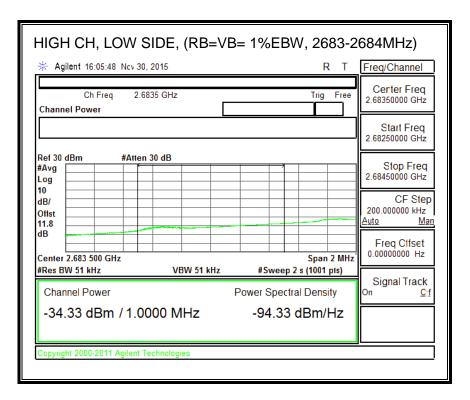


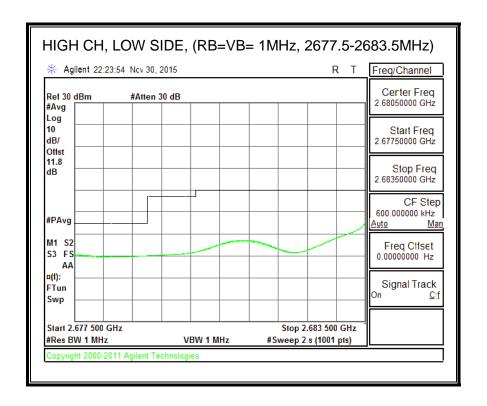


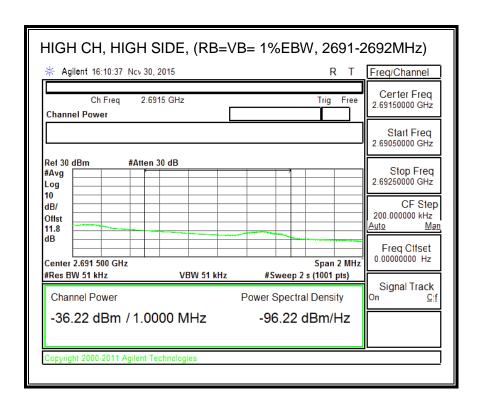


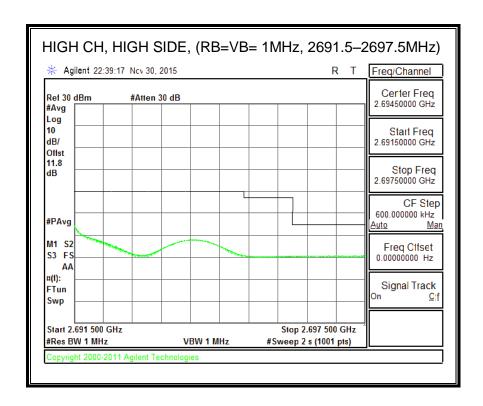




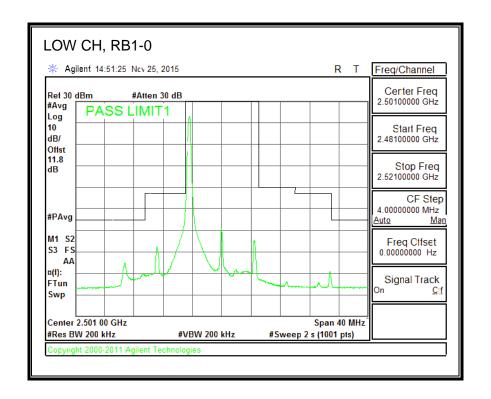


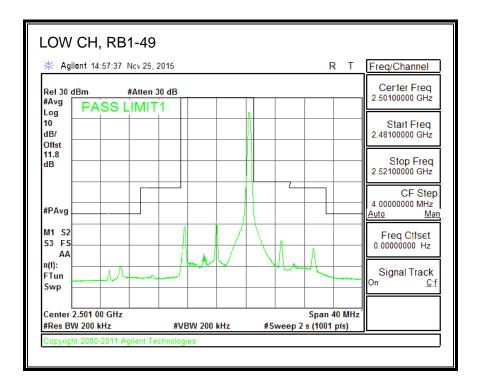


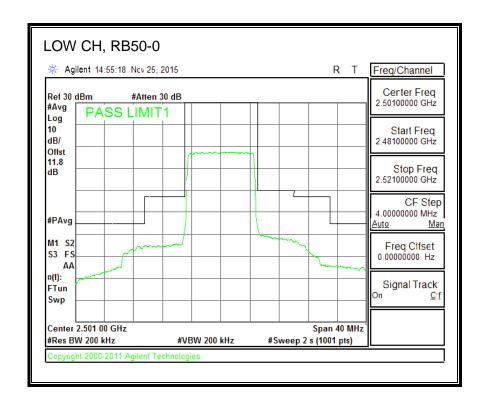


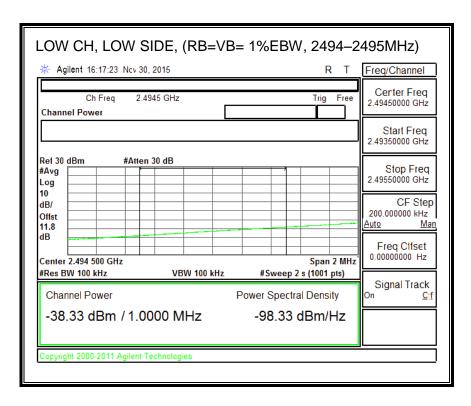


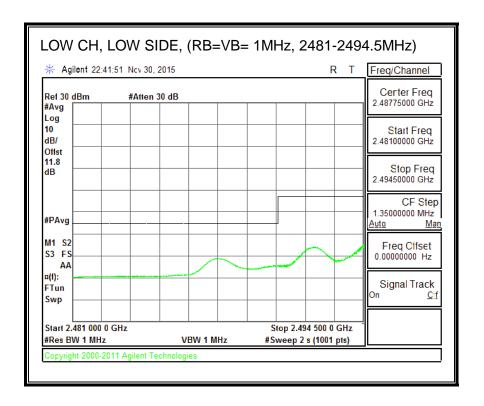
QPSK, (10.0 MHz BAND WIDTH)

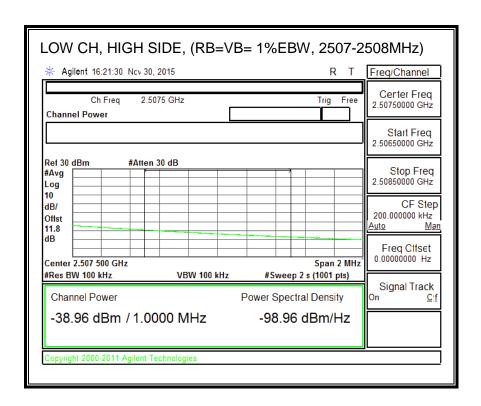


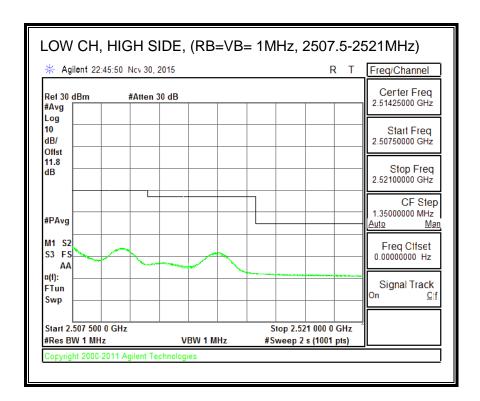


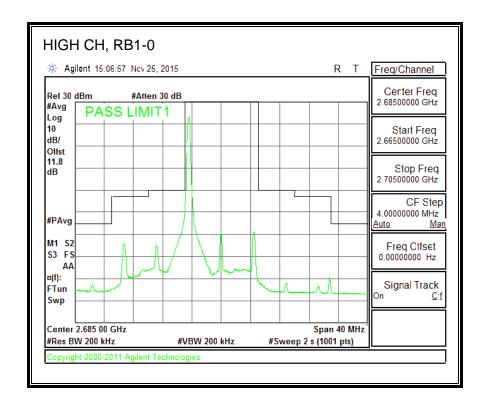


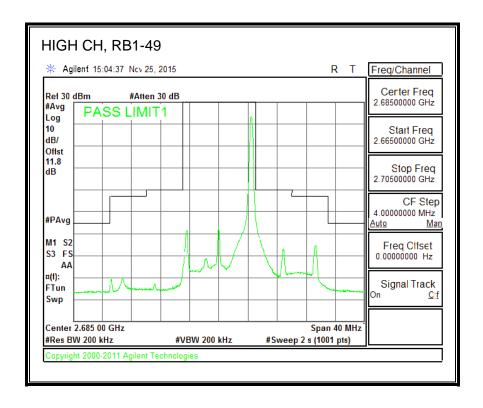


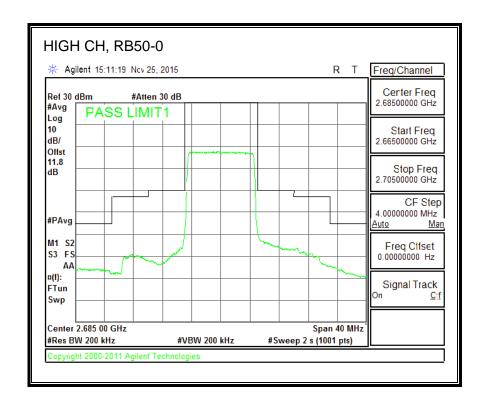


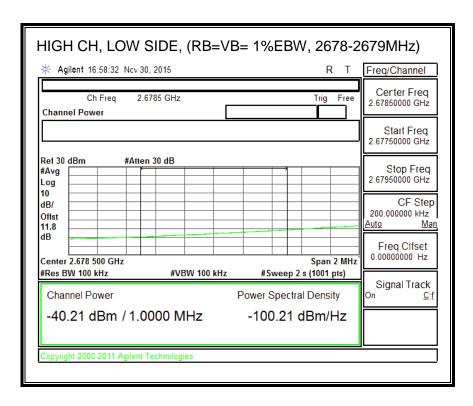


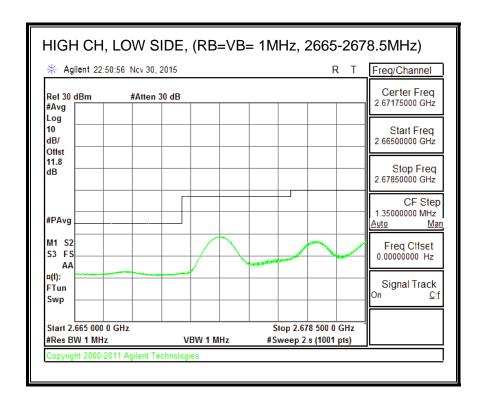


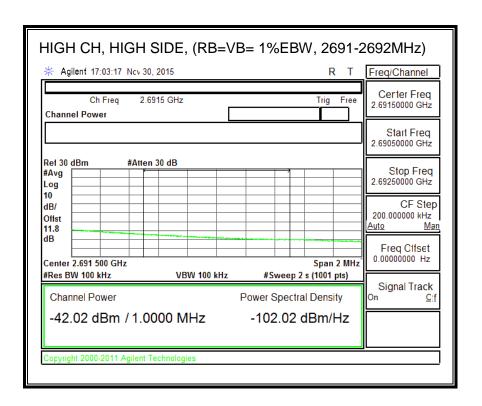


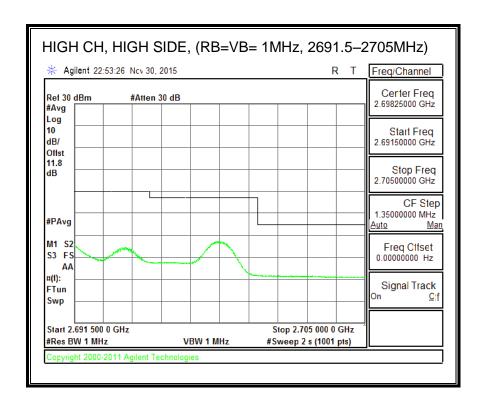




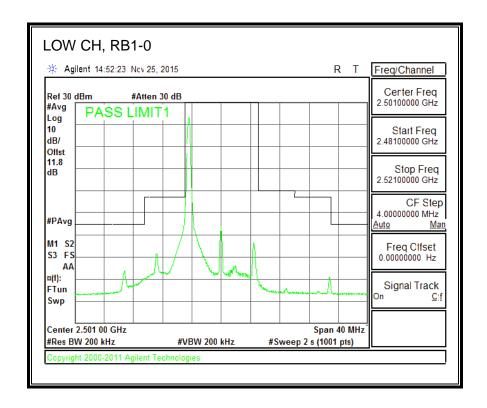


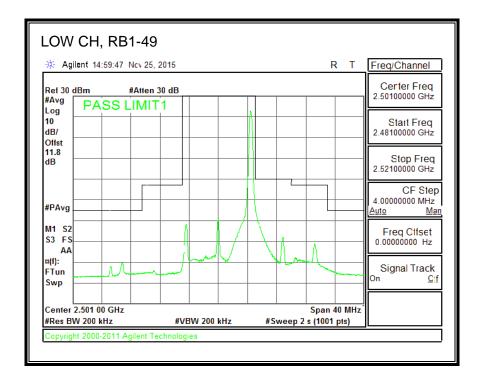




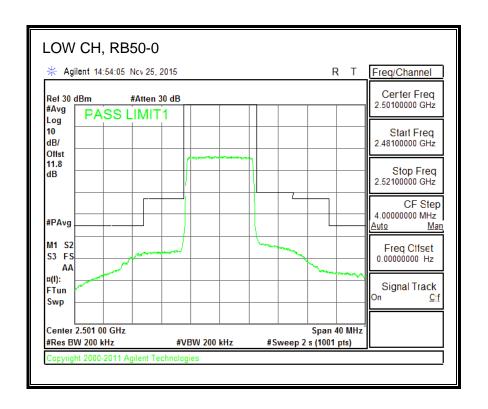


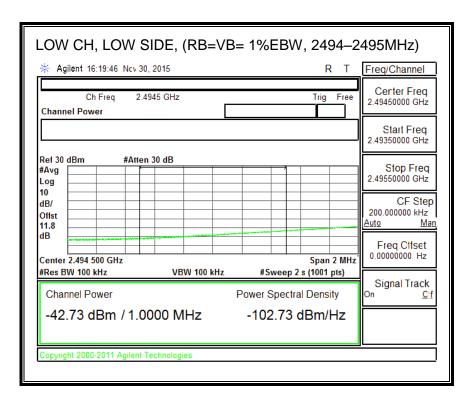
16QAM, (10.0 MHz BAND WIDTH)

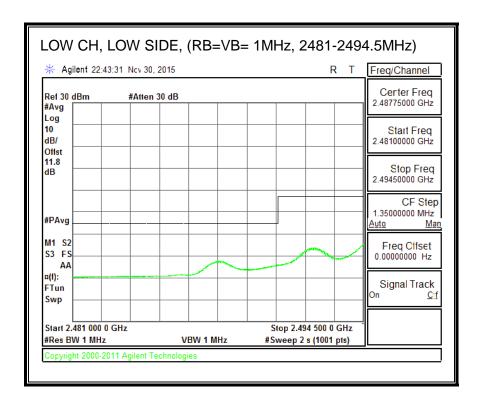


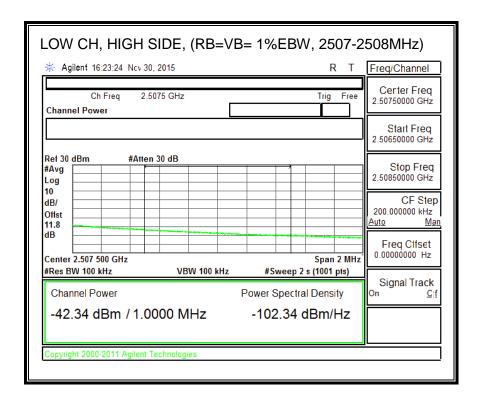


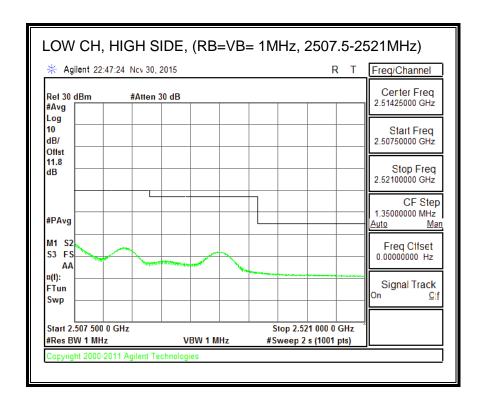
Page 594 of 1111

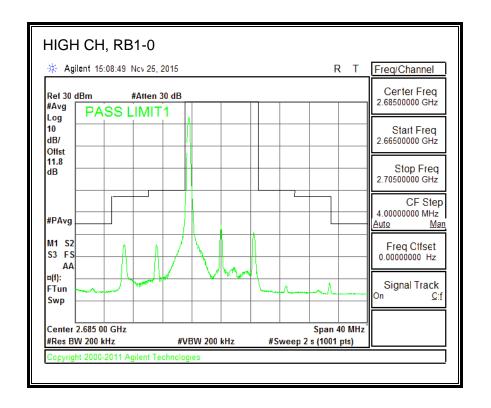


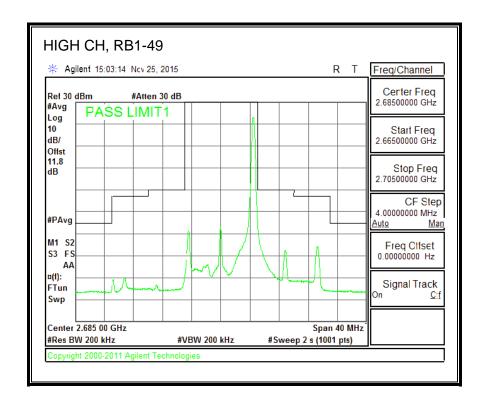


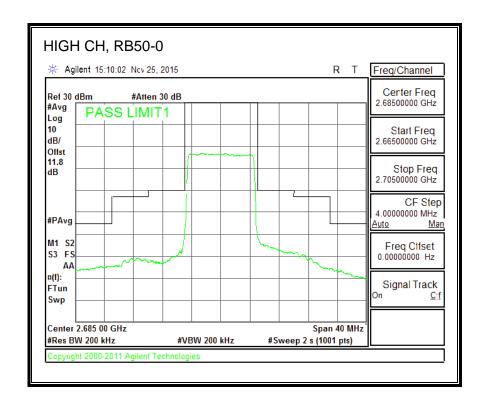


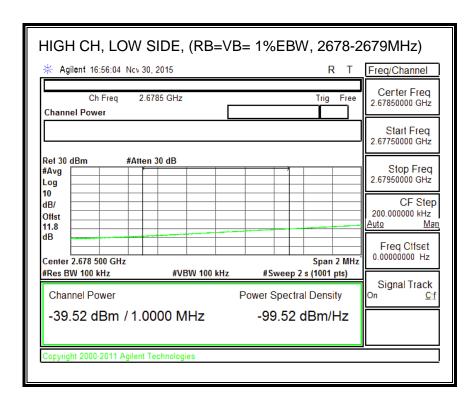


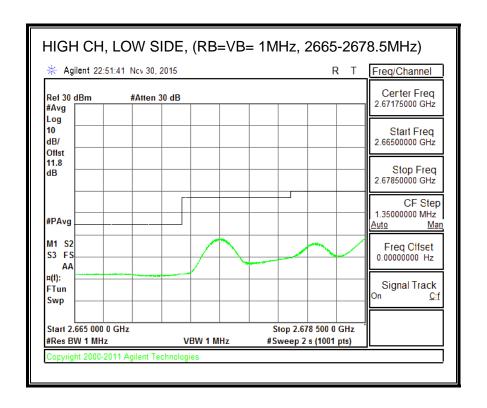


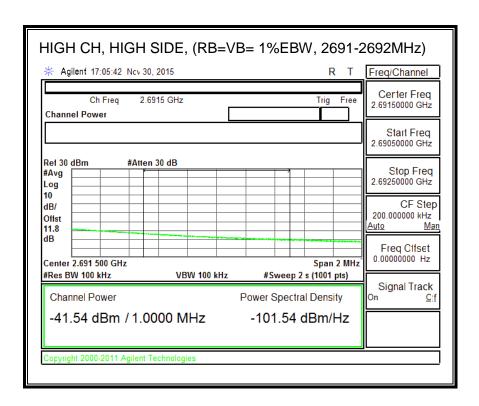


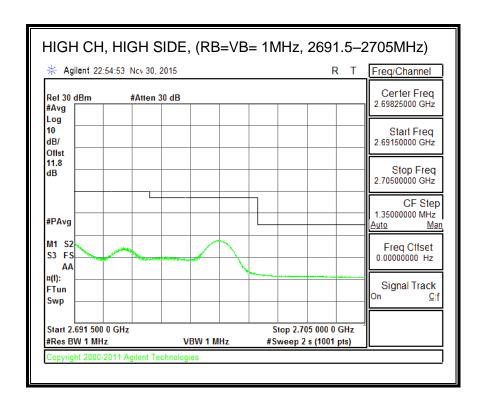




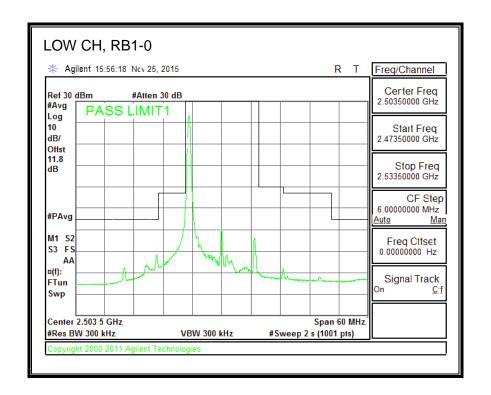


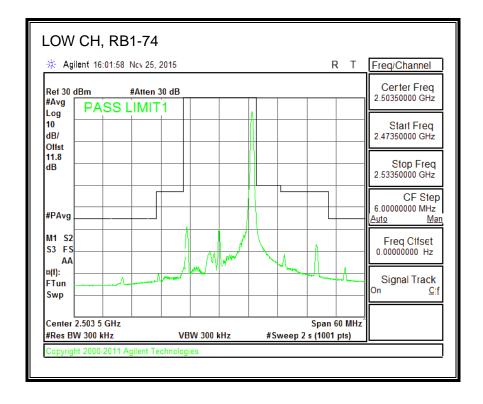


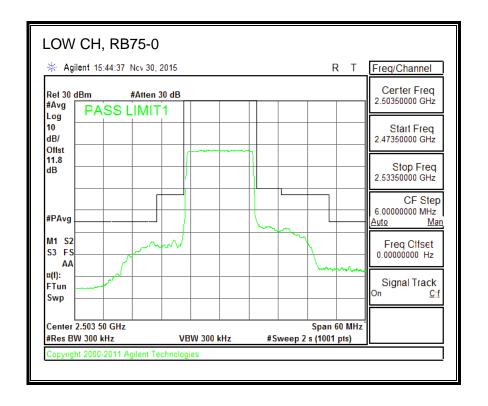


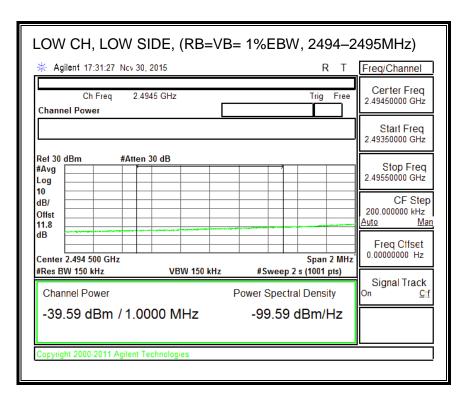


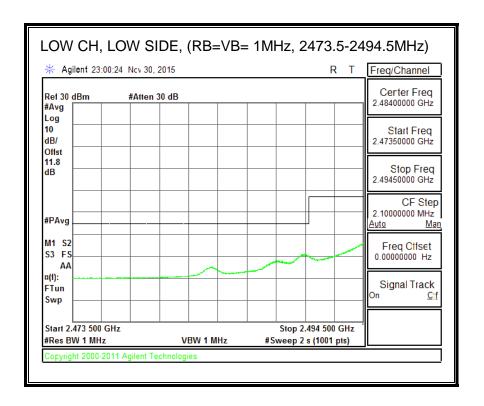
QPSK, (15.0 MHz BAND WIDTH)

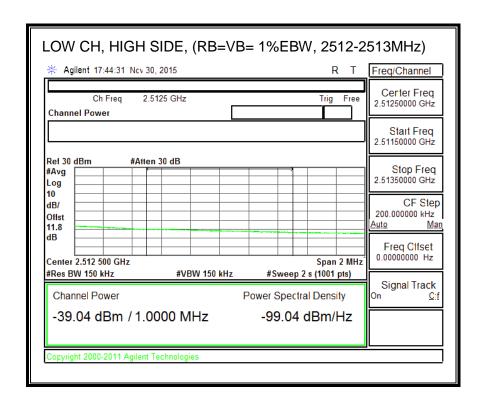


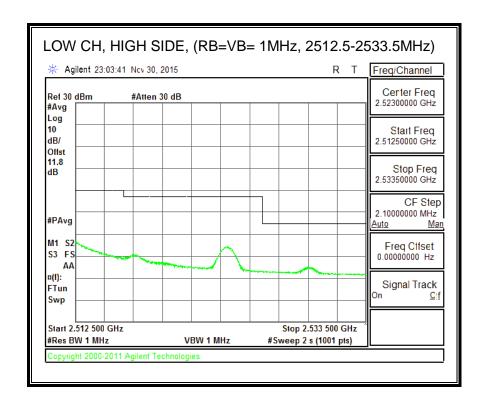


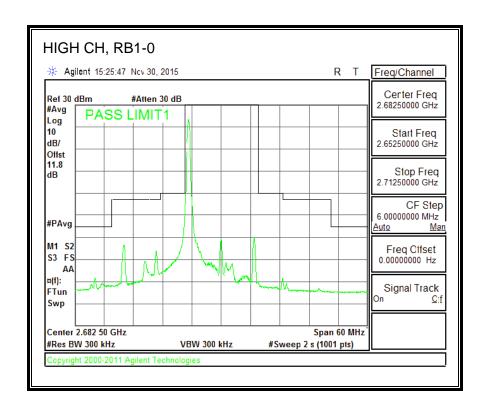


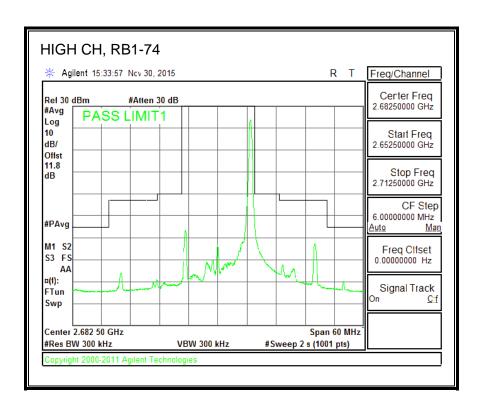


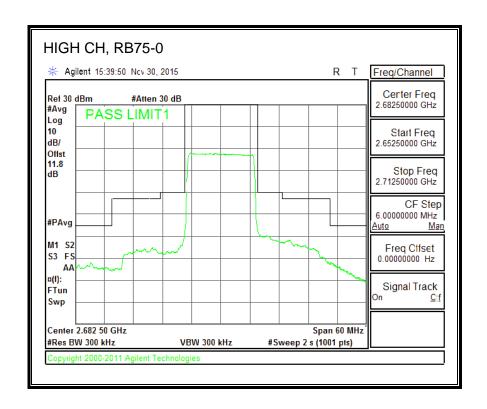


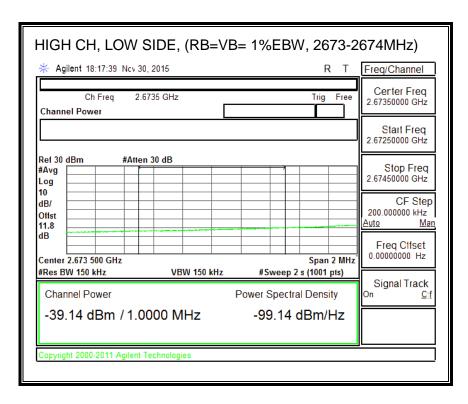


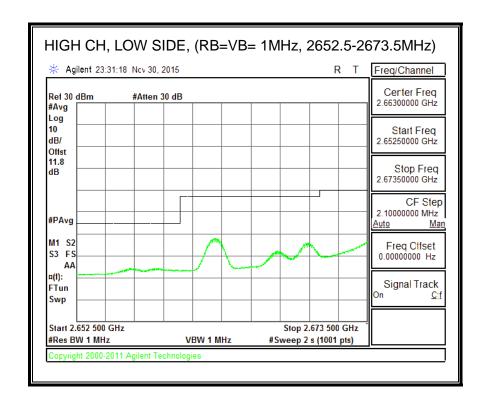


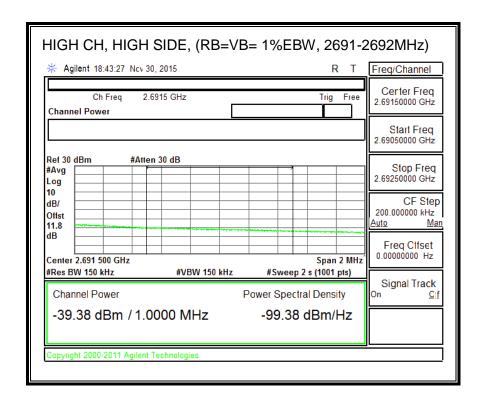


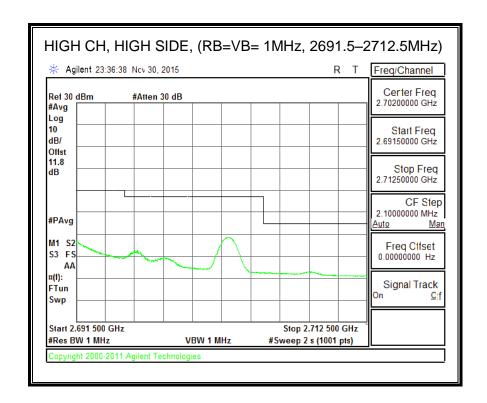




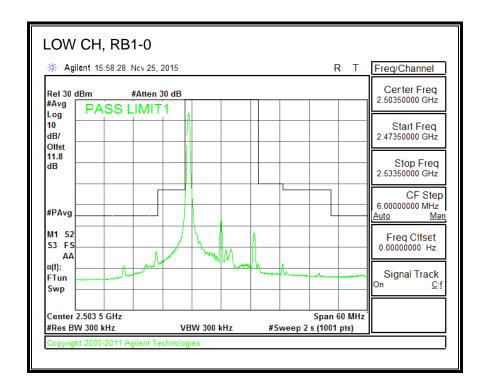


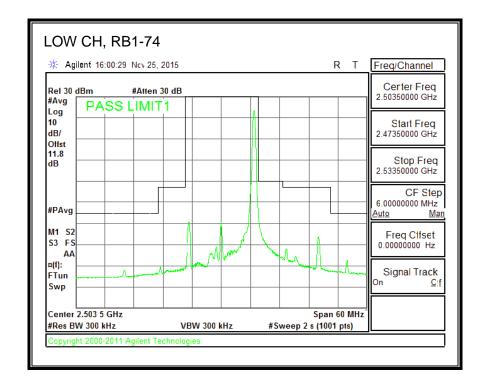




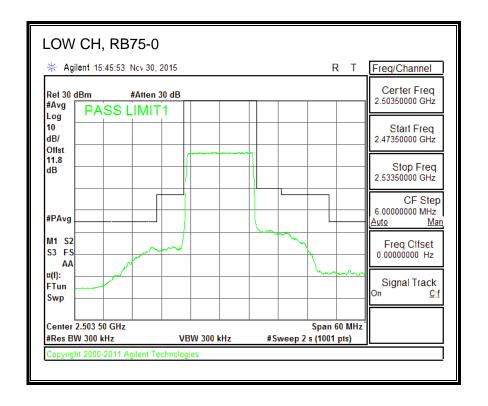


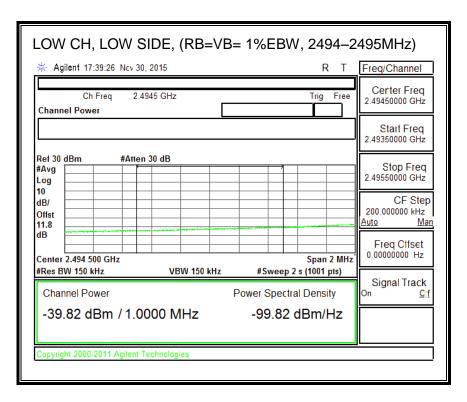
16QAM, (15.0 MHz BAND WIDTH)

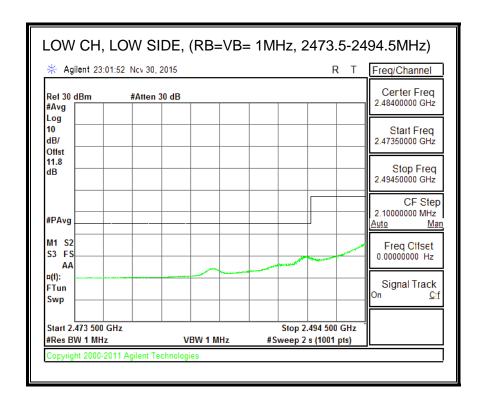


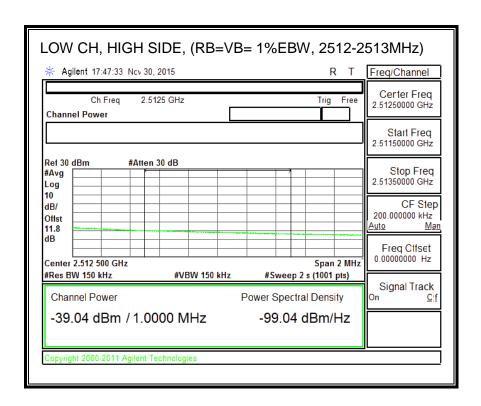


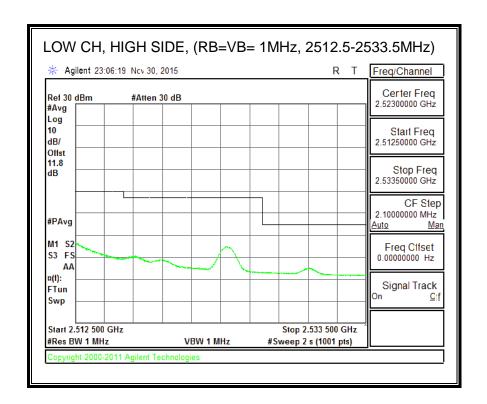
Page 610 of 1111

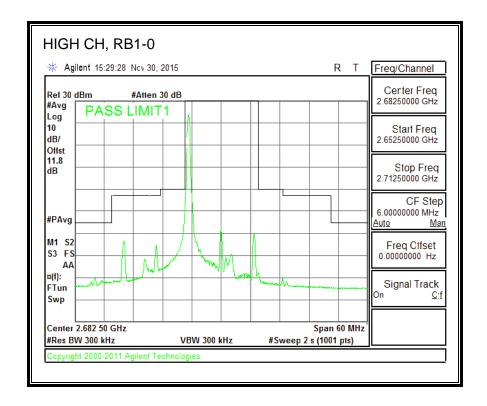


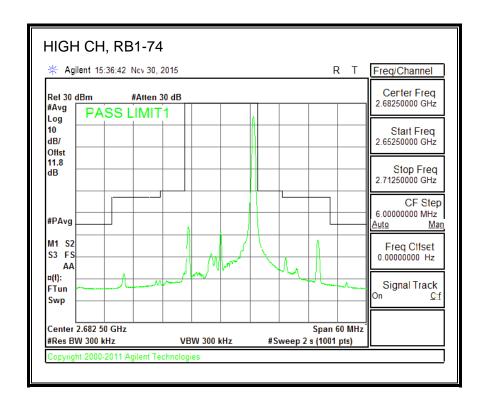


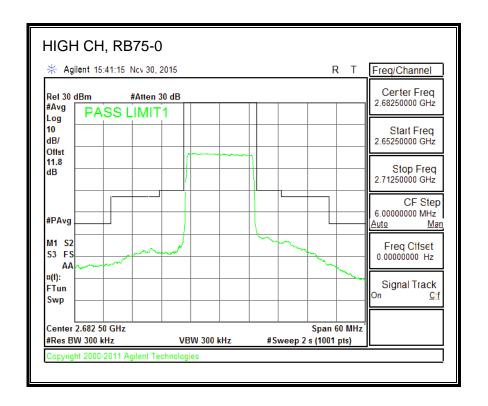




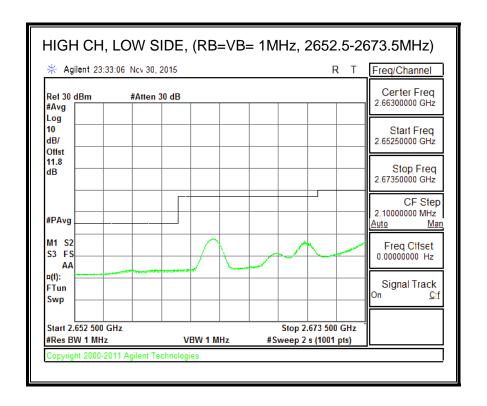


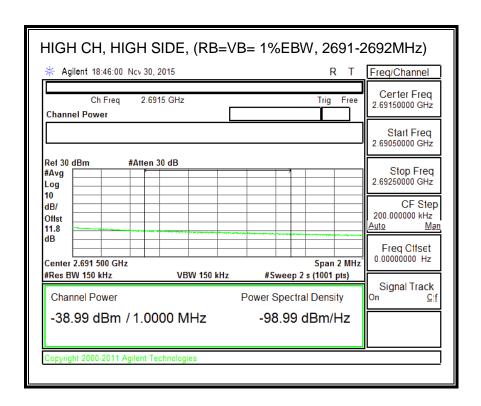


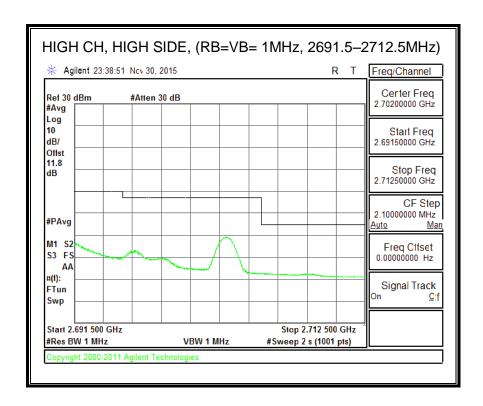




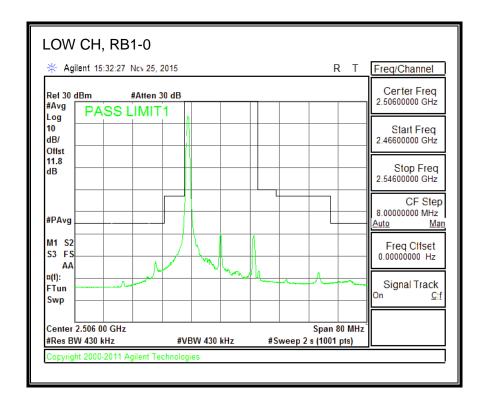


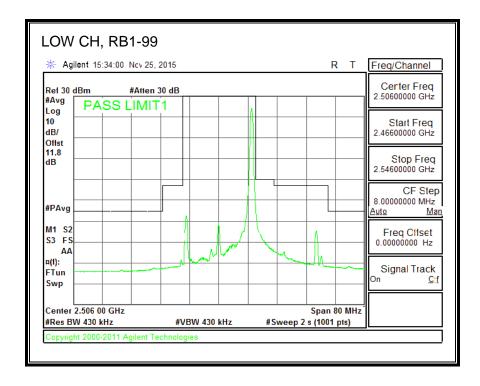


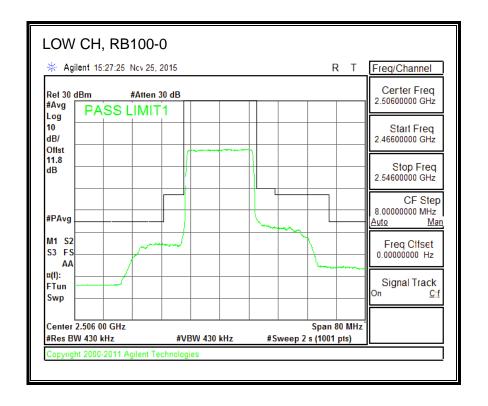


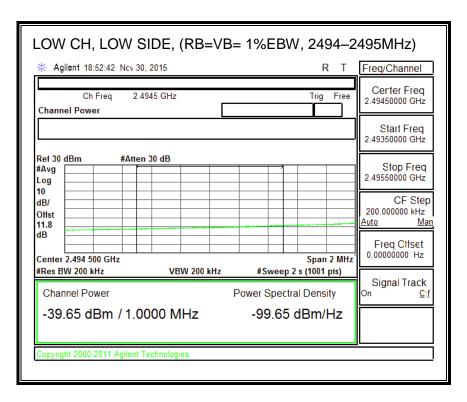


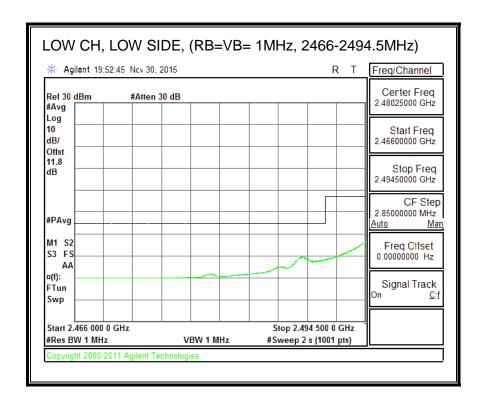
QPSK, (20.0 MHz BAND WIDTH)

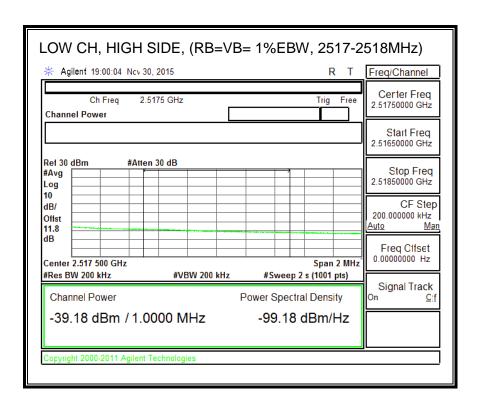


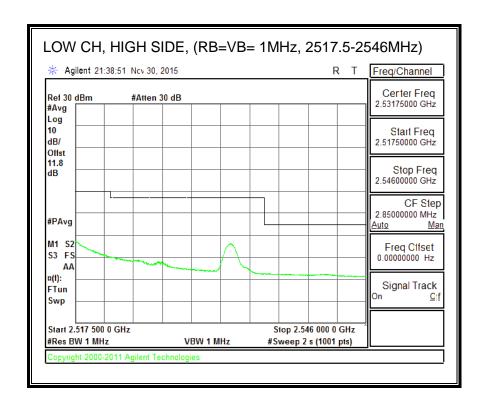


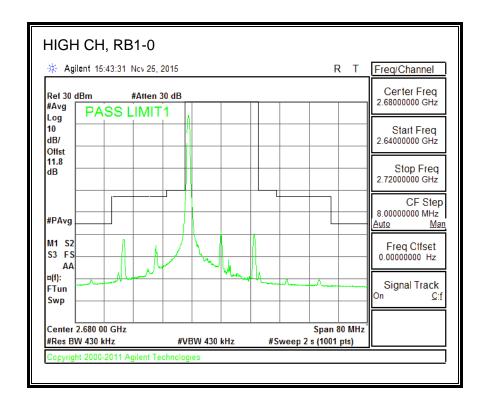


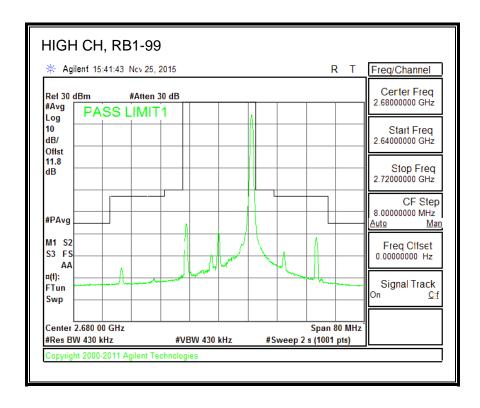


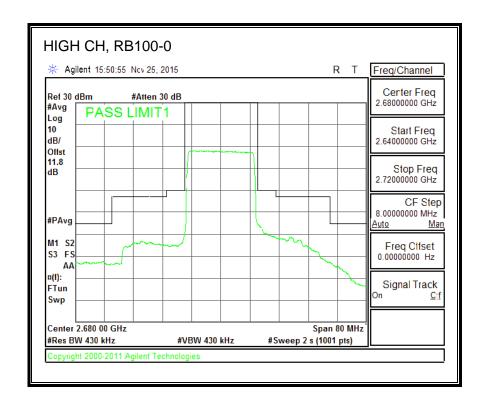


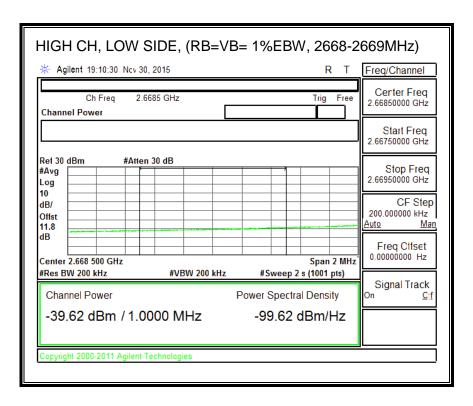


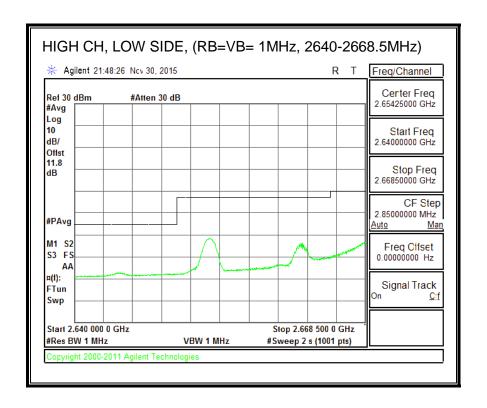


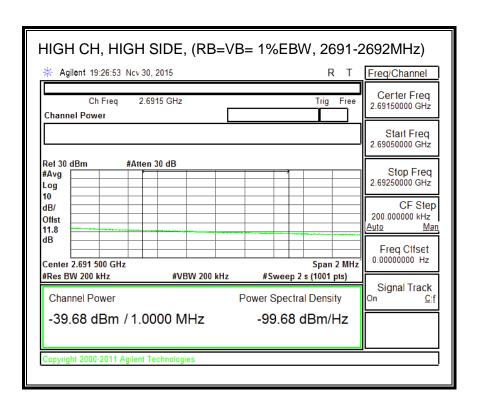


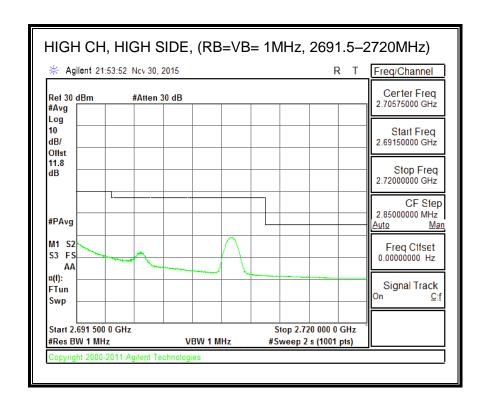




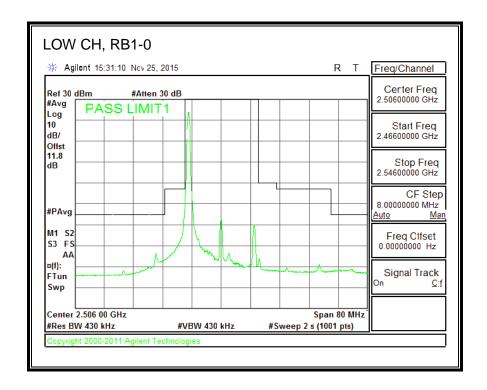


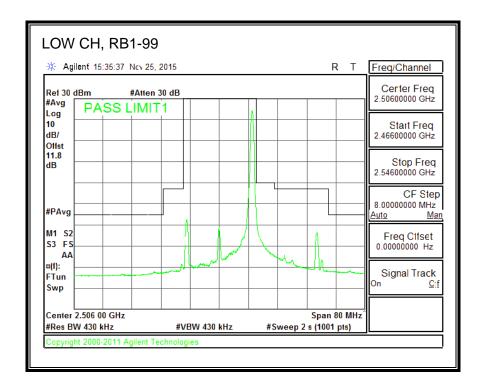


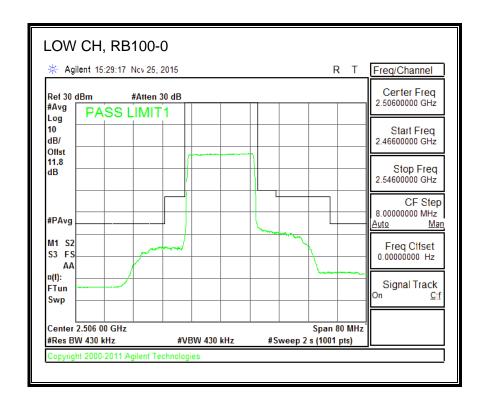


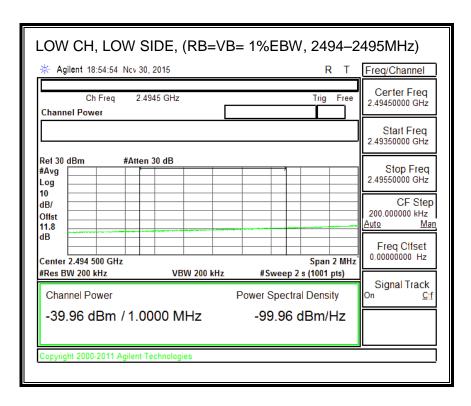


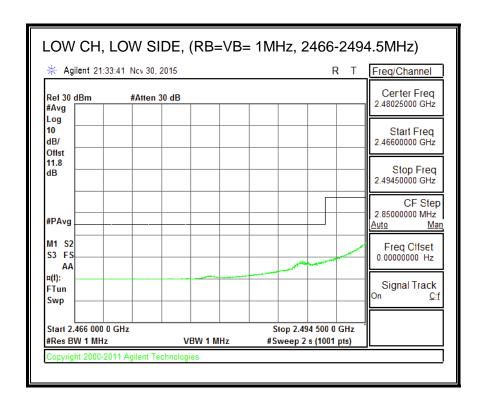
16QAM, (20.0 MHz BAND WIDTH)

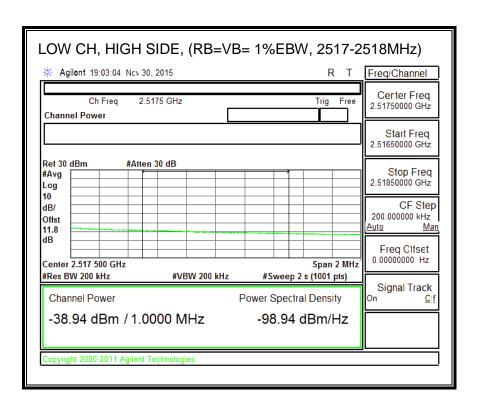


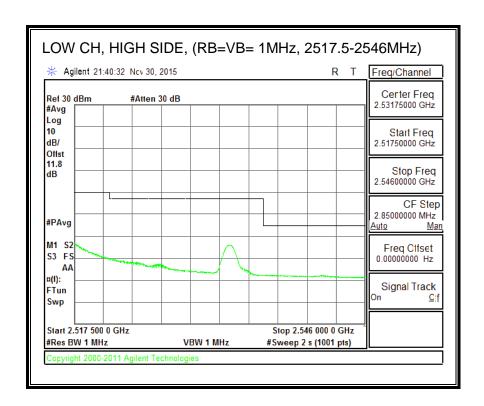


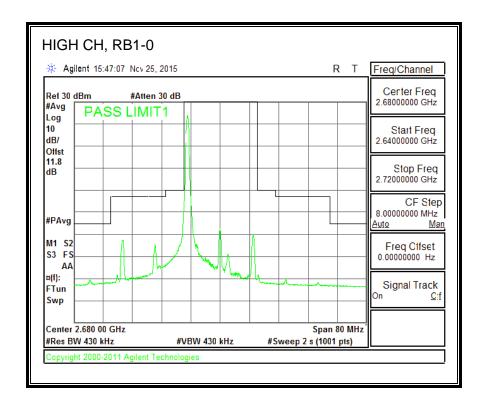


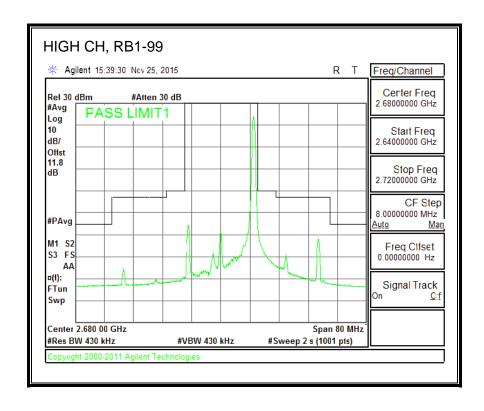


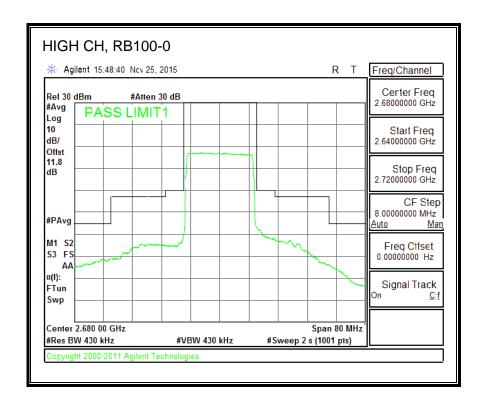


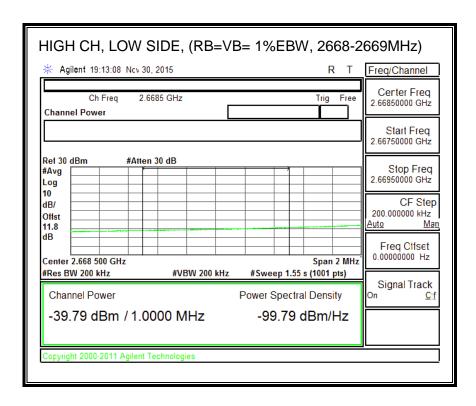


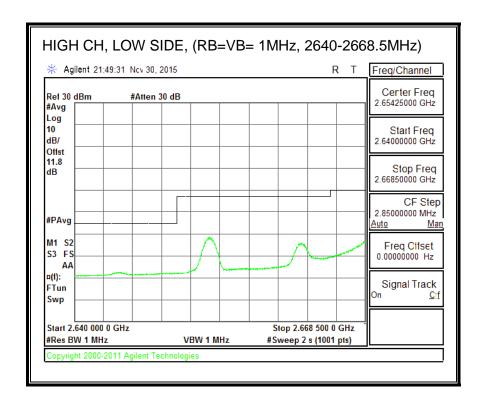


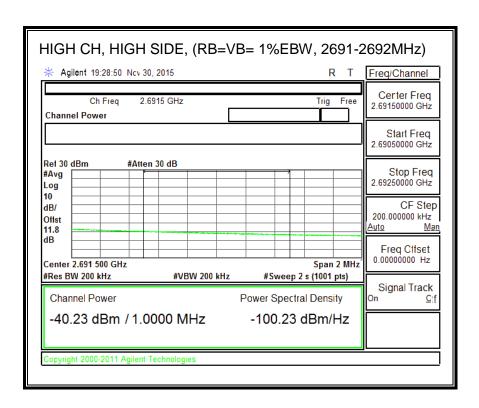


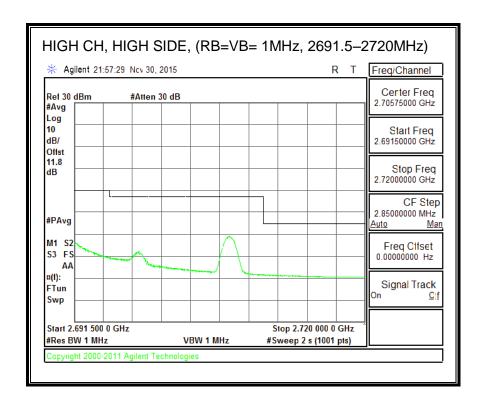












8.3. **OUT OF BAND EMISSIONS**

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238 and §27.53

LIMITS

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

MODES TESTED

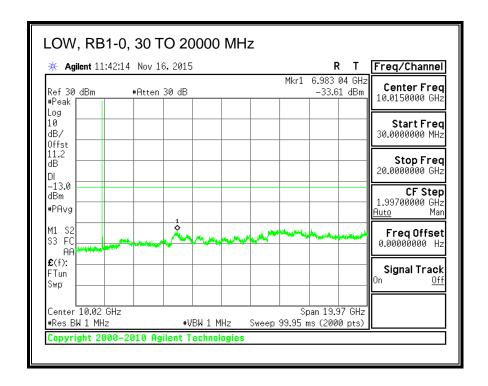
- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 27 LTE Band 30
- LTE Band 41

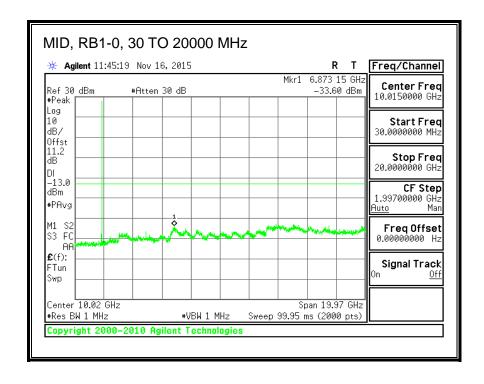
DATE: FEBRUARY 09, 2016

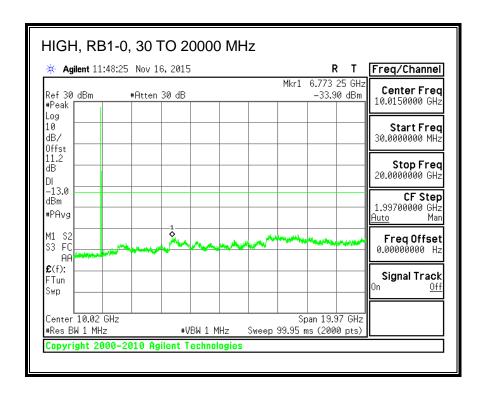
FCC ID: BCGA1674

8.3.1. LTE BAND 2

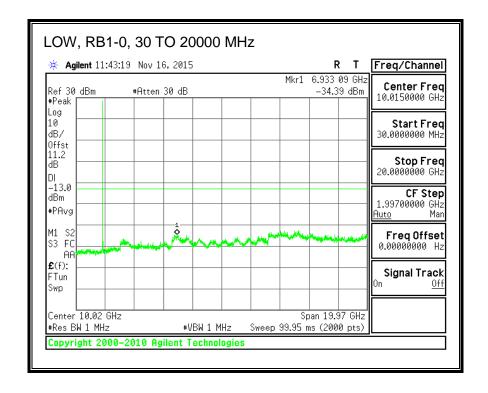
QPSK, (1.4 MHz BAND WIDTH)

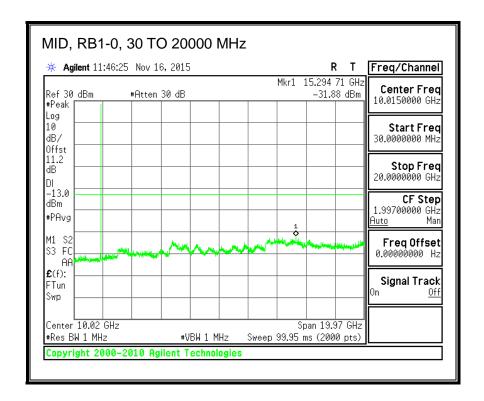


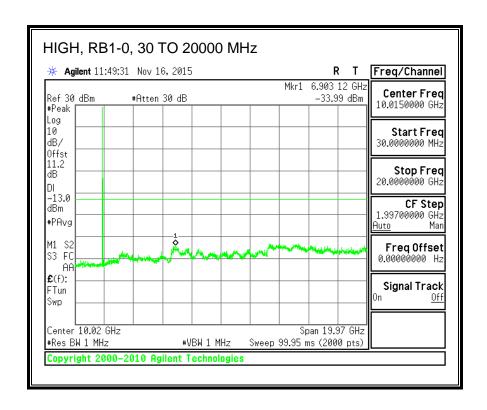




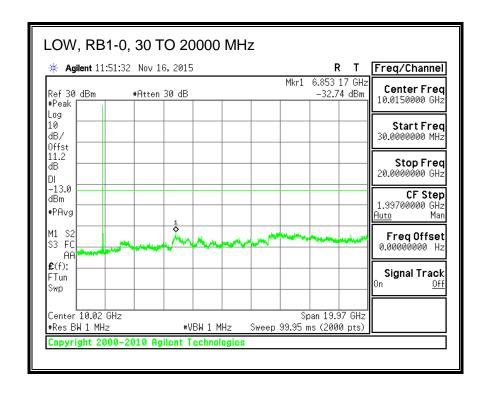
16QAM, (1.4 MHz BAND WIDTH)

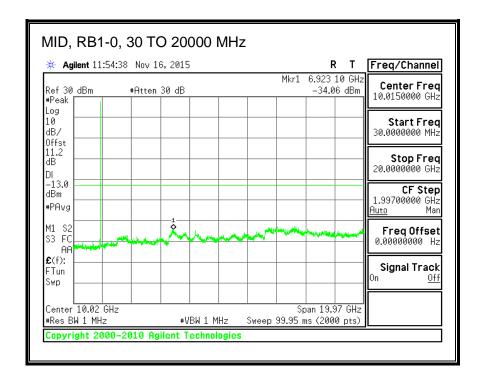


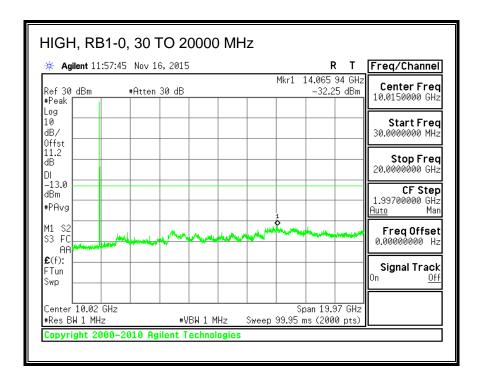




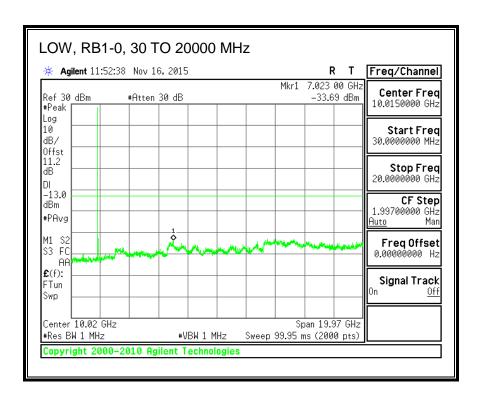
QPSK, (3.0 MHz BAND WIDTH)

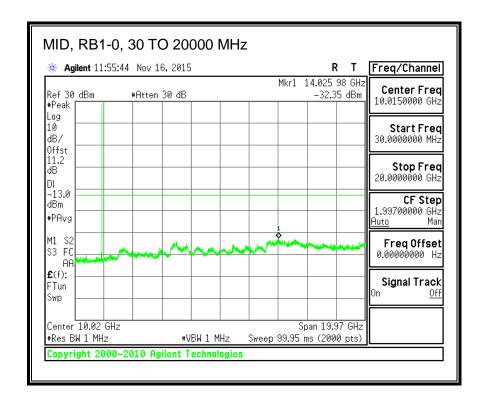


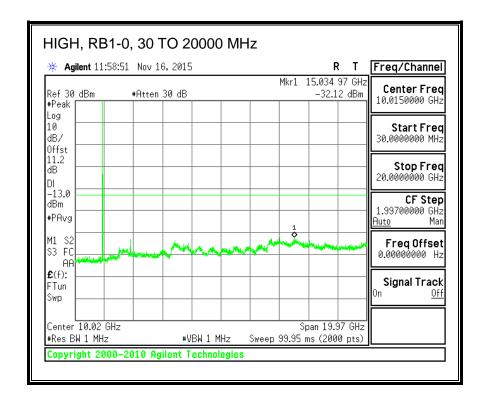




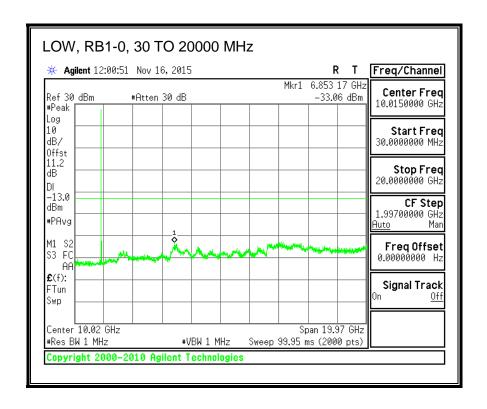
16QAM, (3.0 MHz BAND WIDTH)

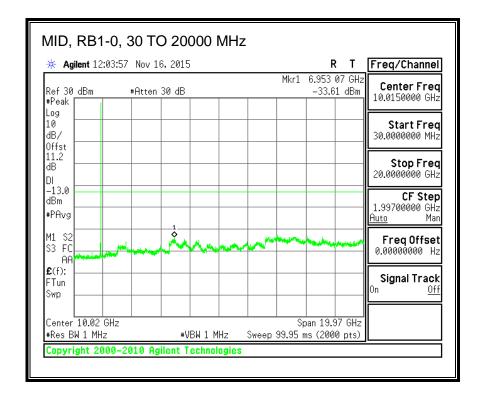




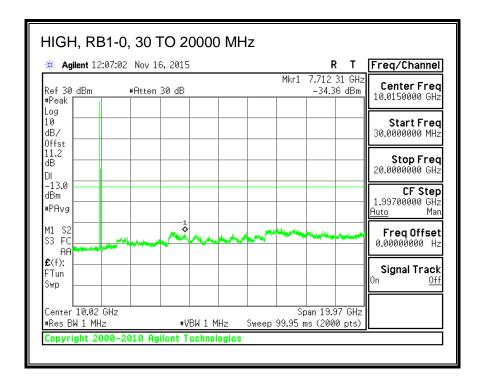


QPSK, (5.0 MHz BAND WIDTH)

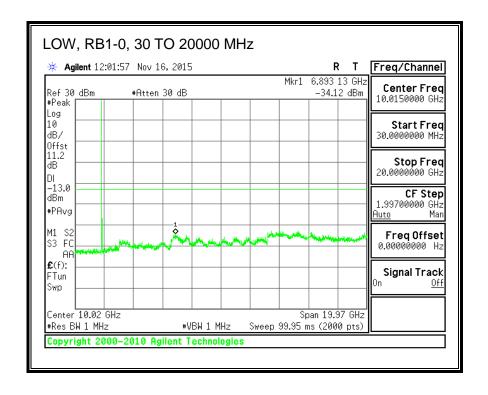


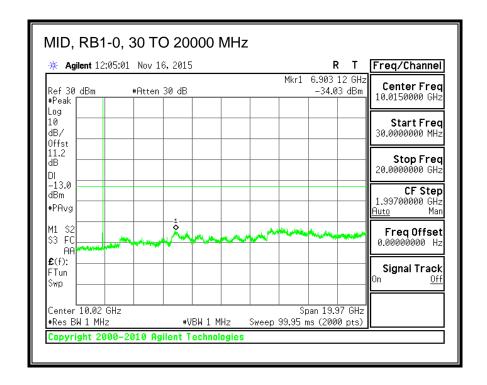


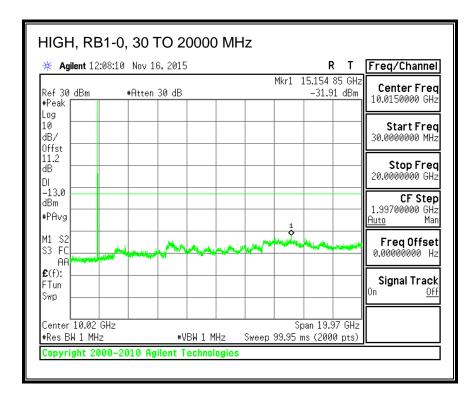
Page 641 of 1111



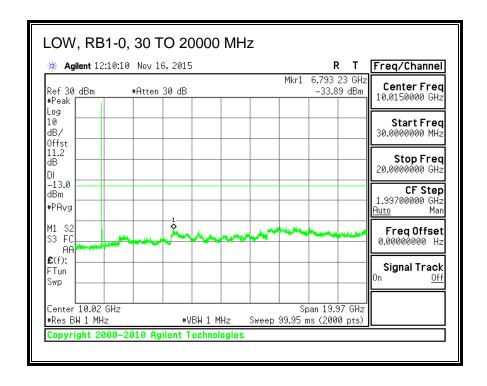
16QAM, (5.0 MHz BAND WIDTH)

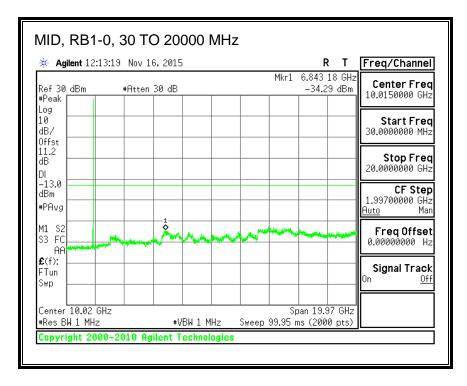




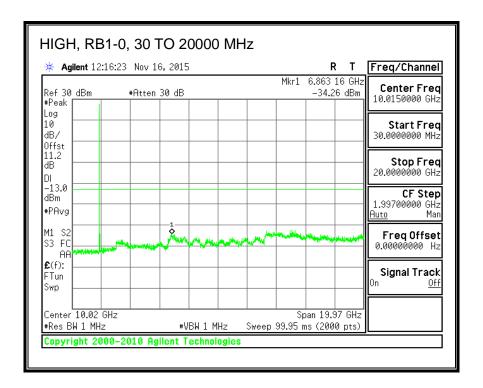


QPSK, (10.0 MHz BAND WIDTH)

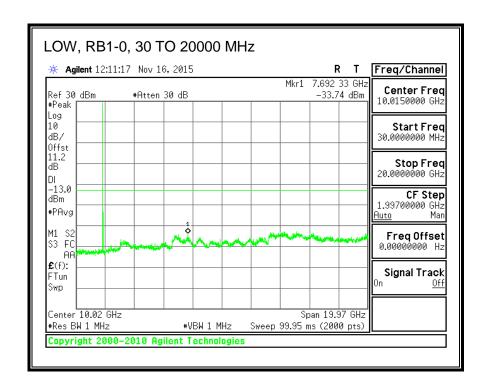




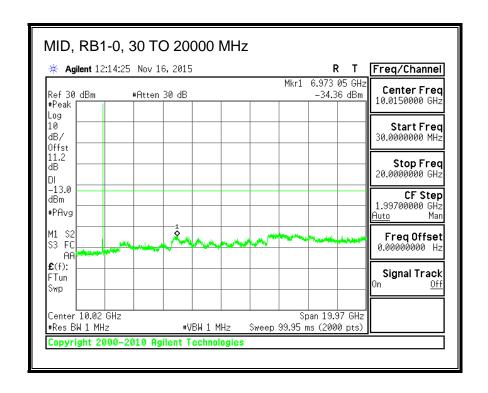
FCC ID: BCGA1674

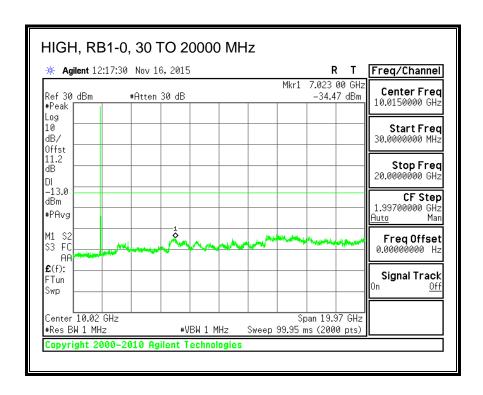


16QAM, (10.0 MHz BAND WIDTH)

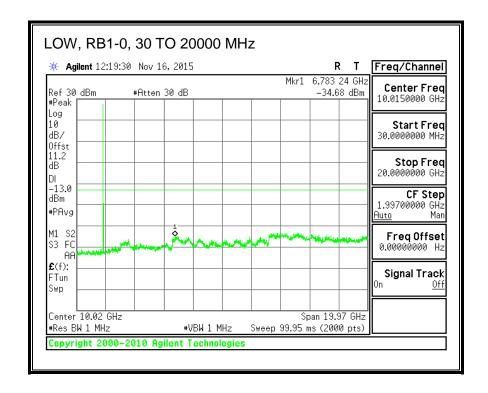


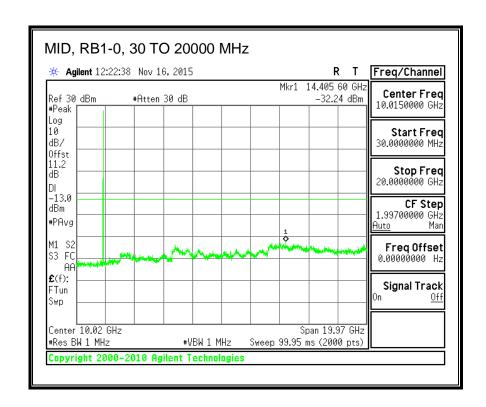
Page 645 of 1111

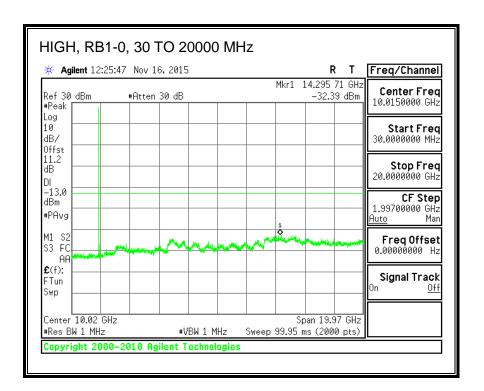




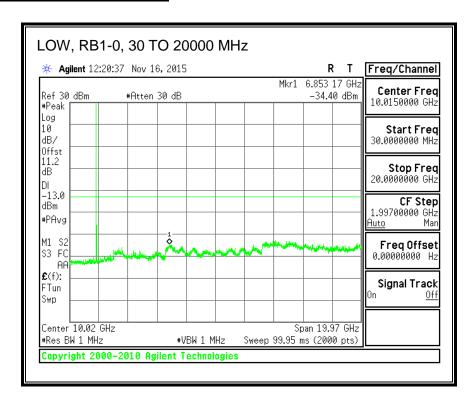
QPSK, (15.0 MHz BAND WIDTH)



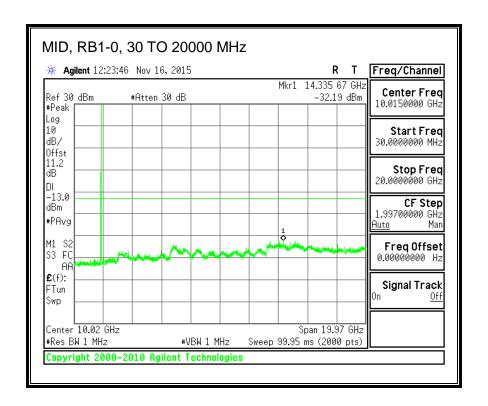


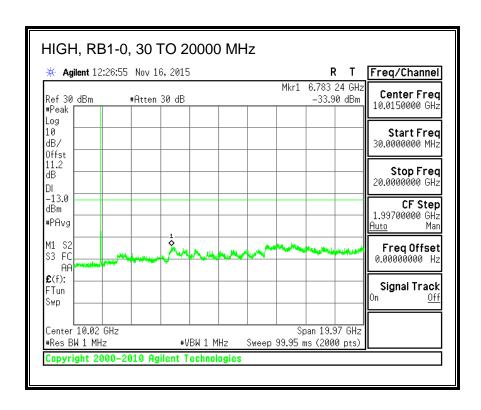


16QAM, (15.0 MHz BAND WIDTH)

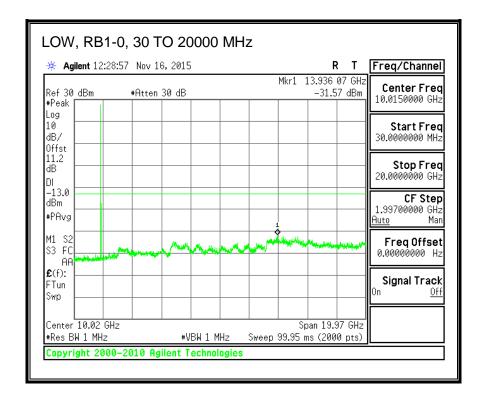


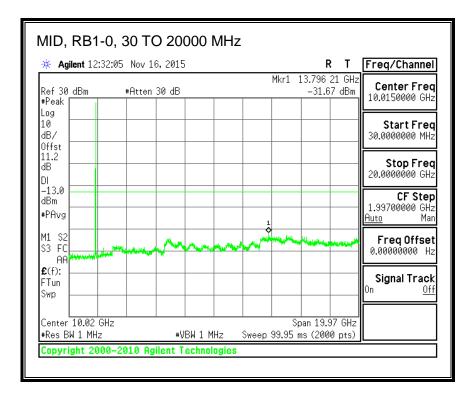
Page 648 of 1111



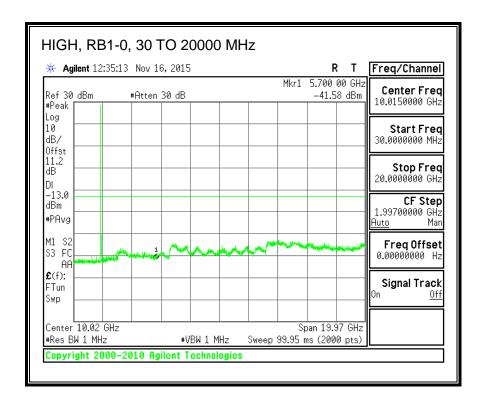


QPSK, (20.0 MHz BAND WIDTH)

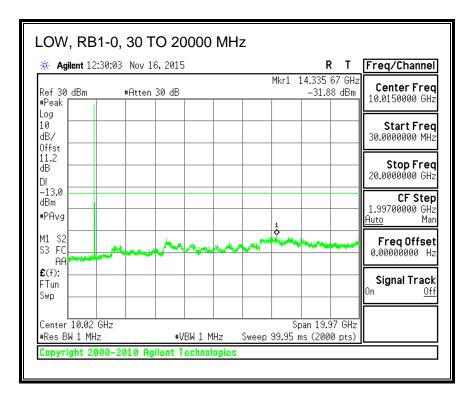




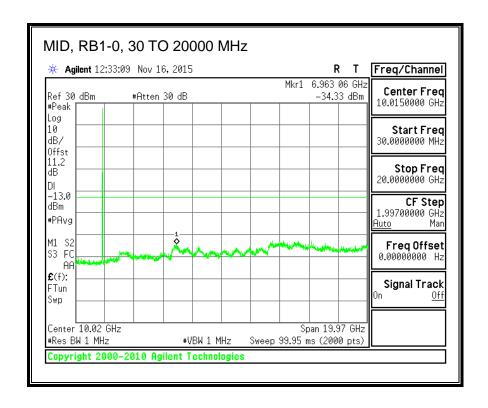
Page 650 of 1111

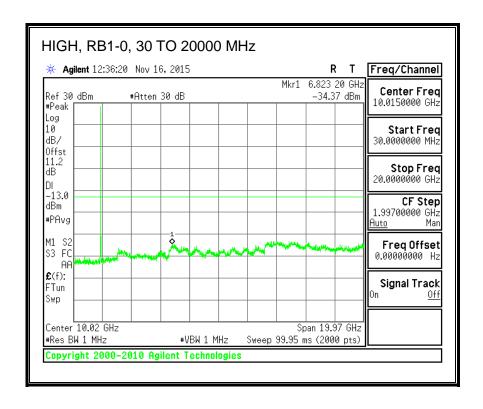


16QAM, (20.0 MHz BAND WIDTH)



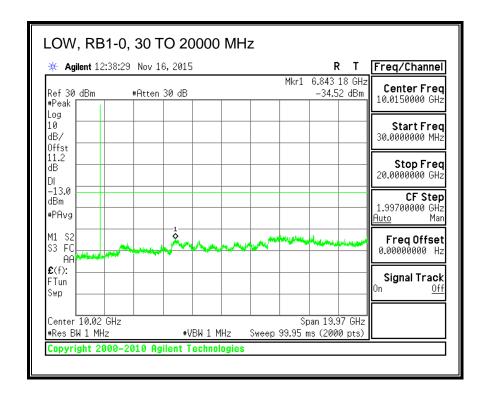
Page 651 of 1111

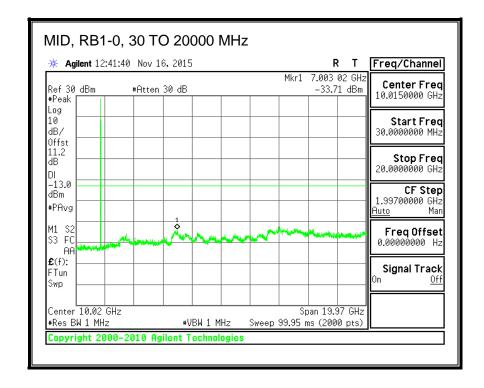




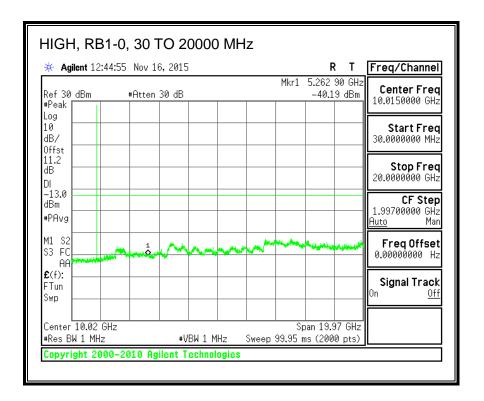
8.3.2. LTE BAND 4

QPSK, (1.4 MHz BAND WIDTH)

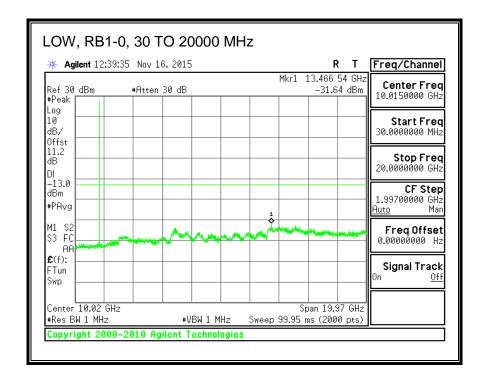


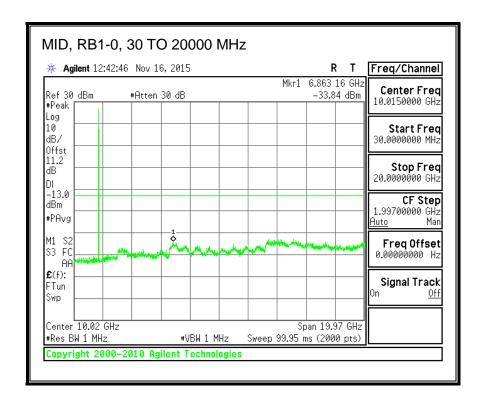


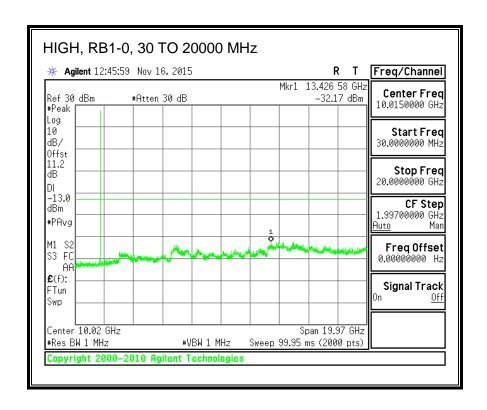
Page 653 of 1111



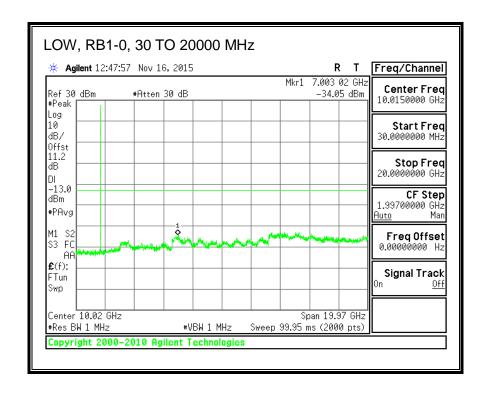
16QAM, (1.4 MHz BAND WIDTH)

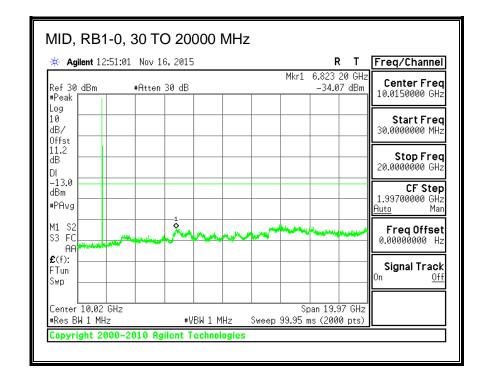


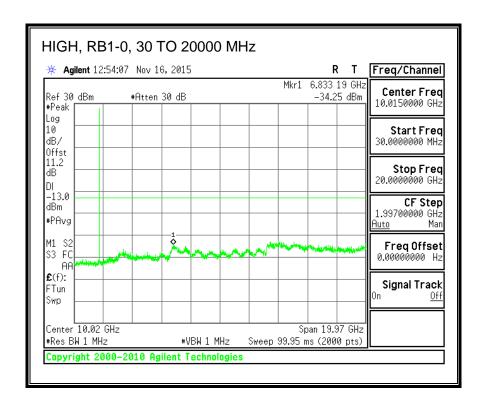




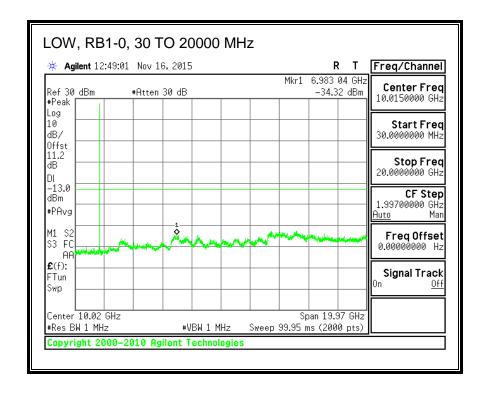
QPSK, (3.0 MHz BAND WIDTH)



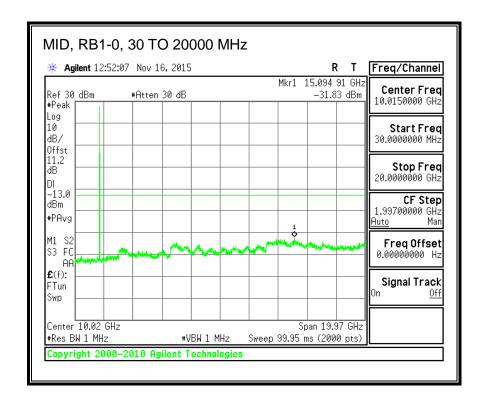


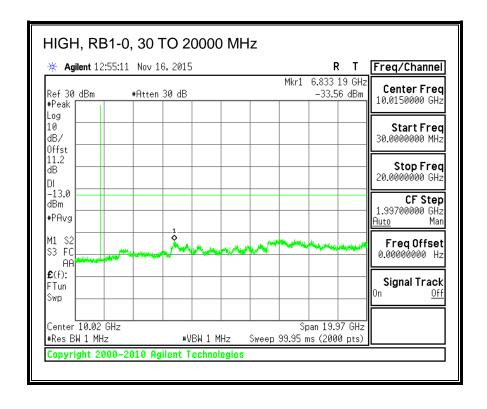


16QAM, (3.0 MHz BAND WIDTH)



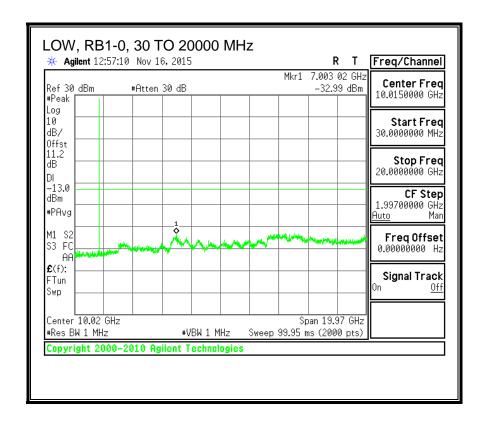
Page 657 of 1111

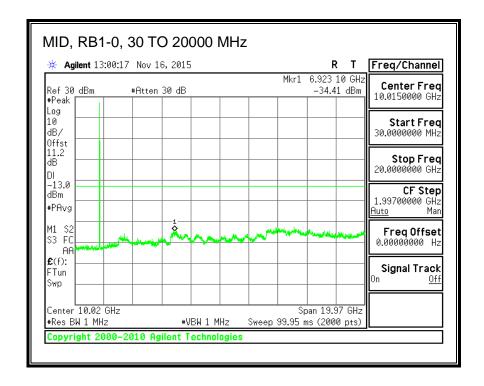


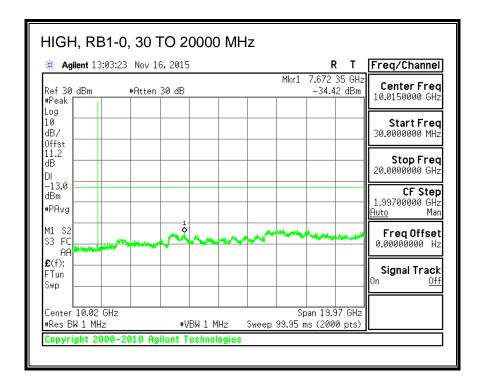


DATE: FEBRUARY 09, 2016 FCC ID: BCGA1674

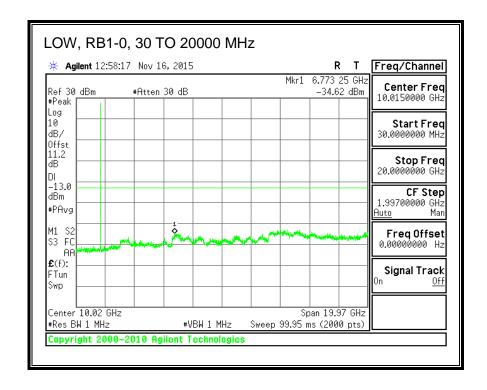
QPSK, (5.0 MHz BAND WIDTH)

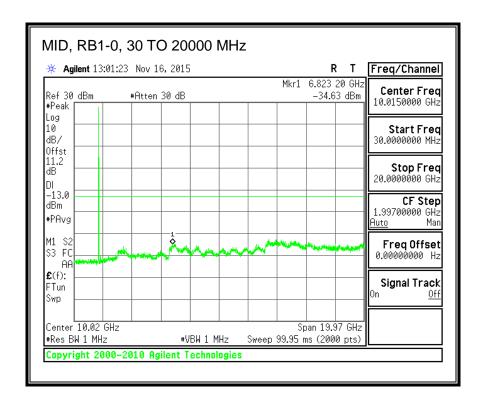


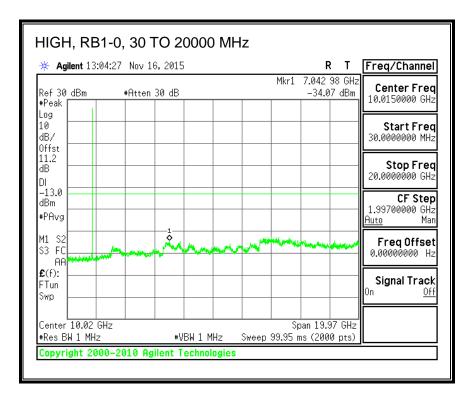




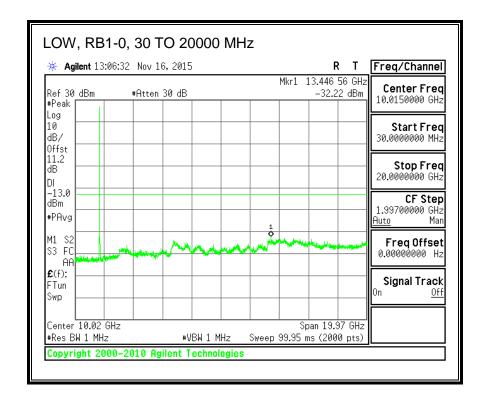
16QAM, (5.0 MHz BAND WIDTH)

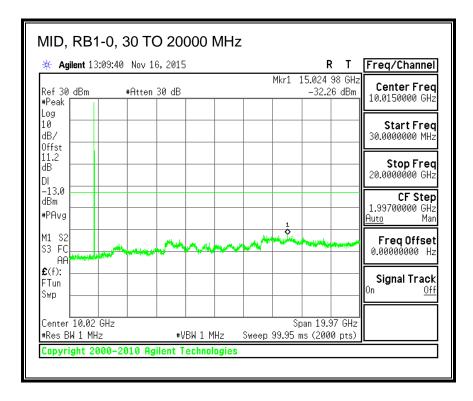


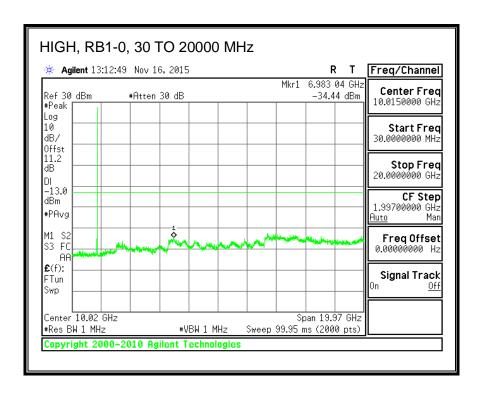




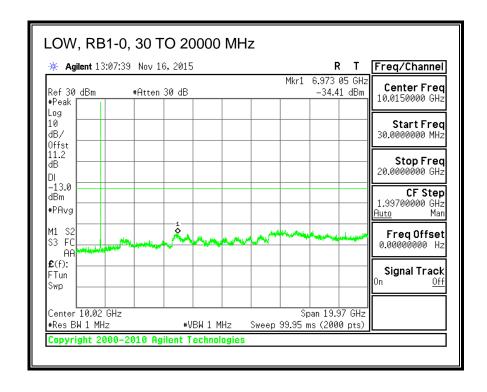
QPSK, (10.0 MHz BAND WIDTH)



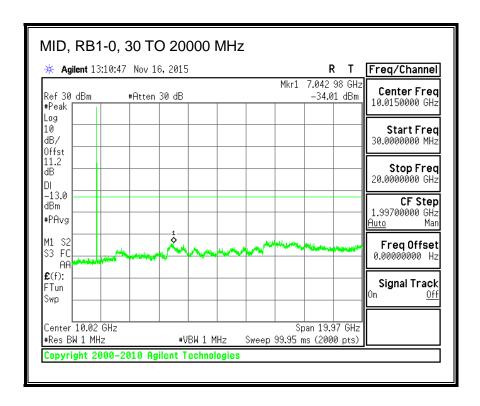


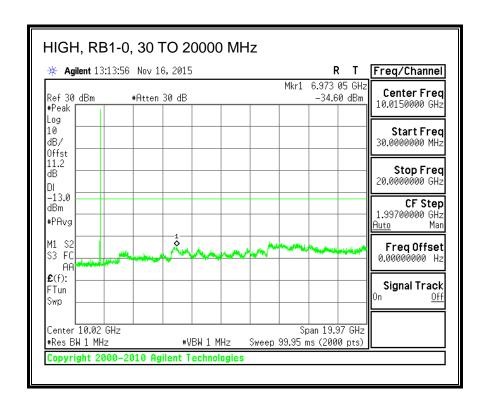


16QAM, (10.0 MHz BAND WIDTH)

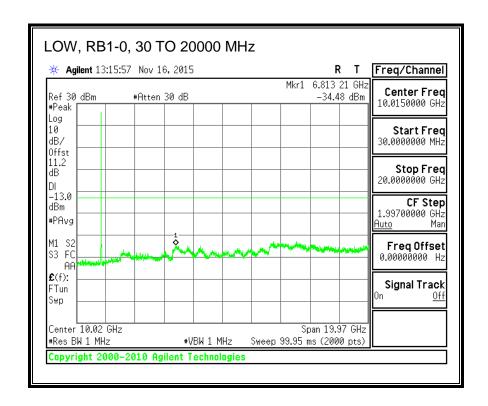


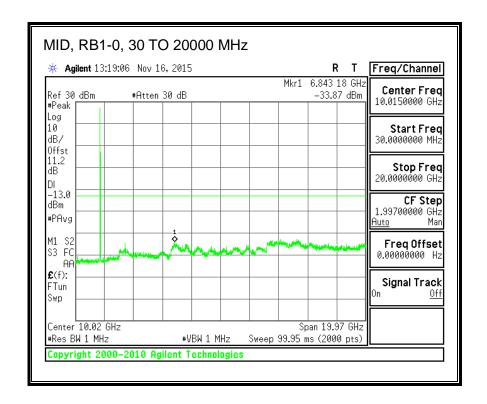
Page 663 of 1111

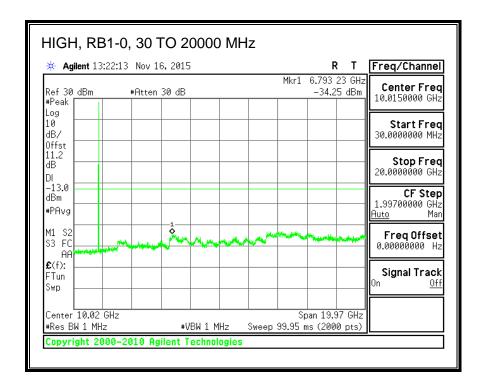




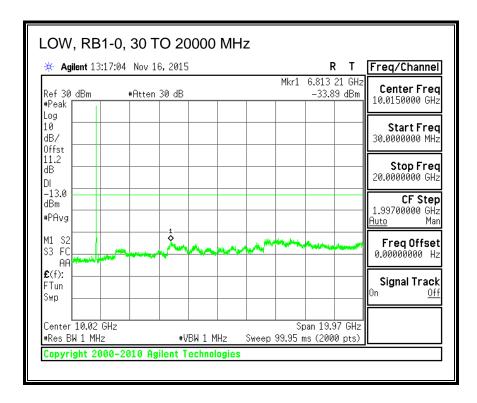
QPSK, (15.0 MHz BAND WIDTH)

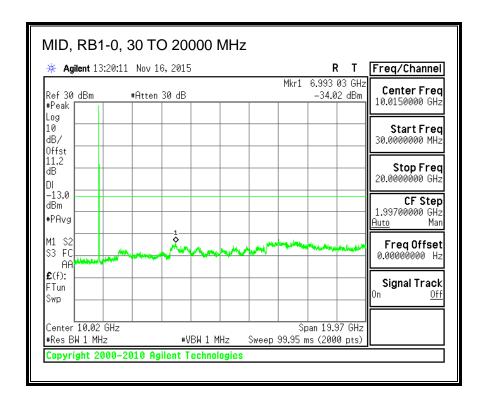


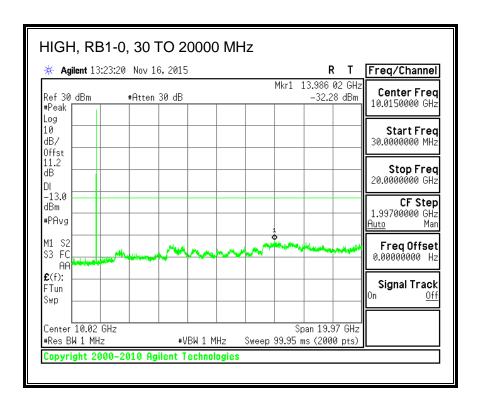




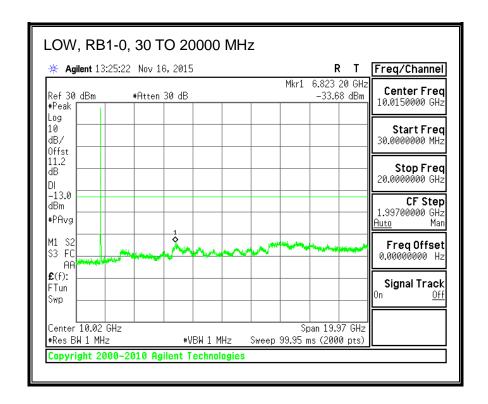
16QAM, (15.0 MHz BAND WIDTH)

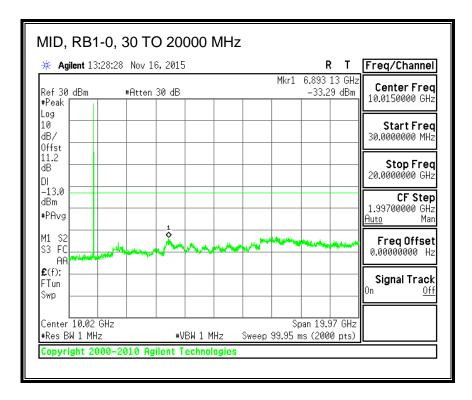




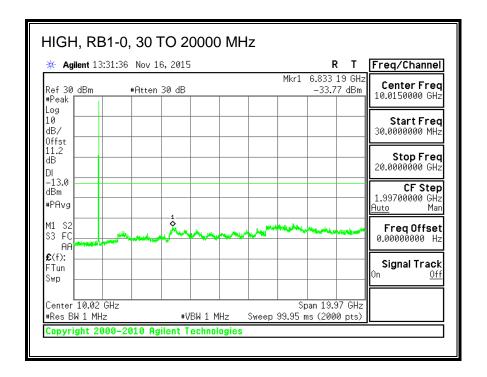


QPSK, (20.0 MHz BAND WIDTH)





Page 668 of 1111



16QAM, (20.0 MHz BAND WIDTH)

