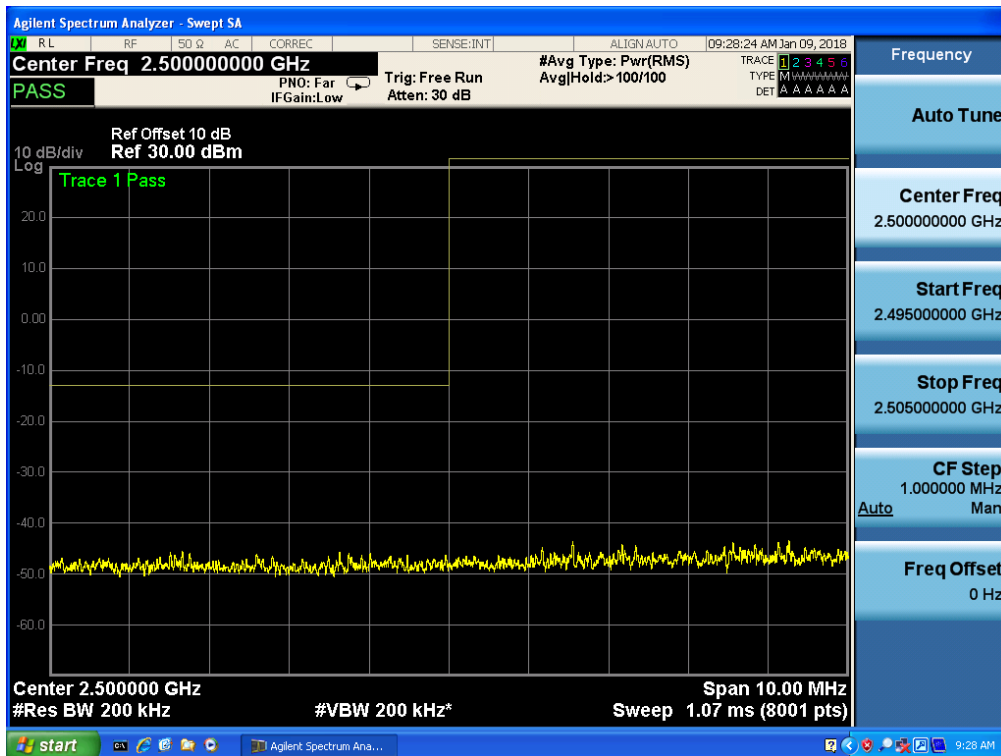
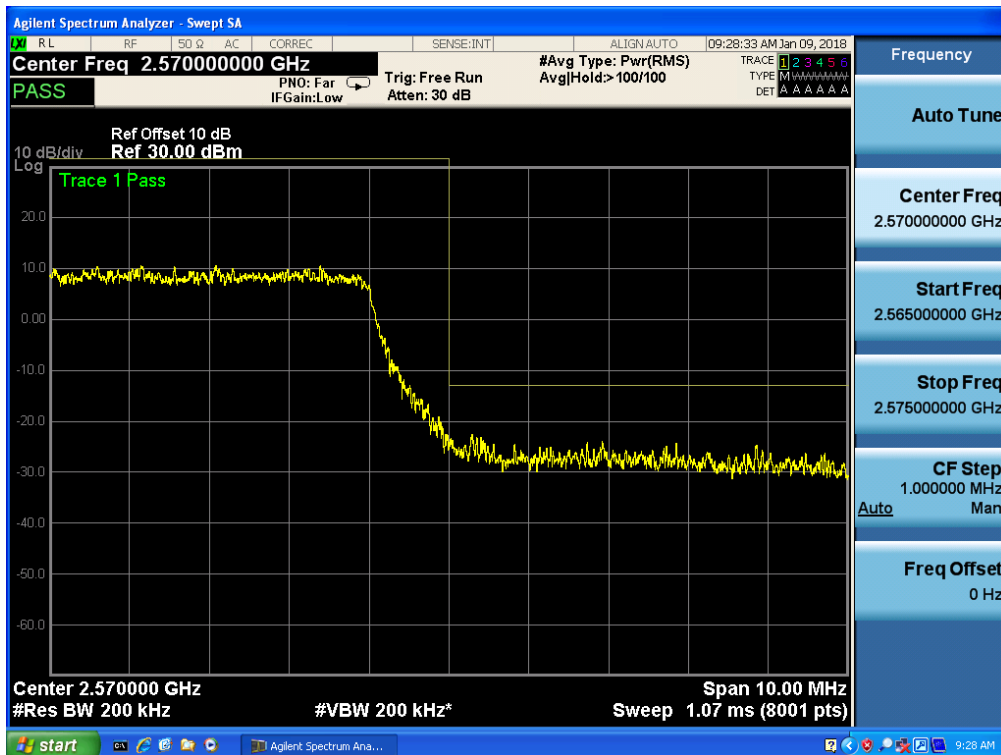




Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK

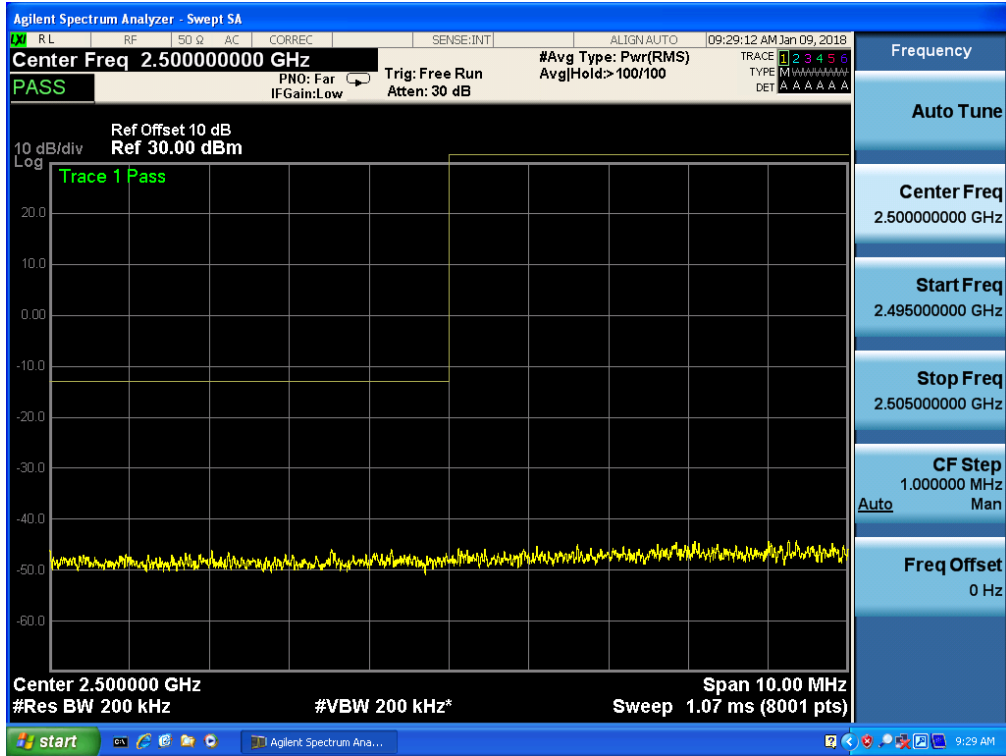


Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK

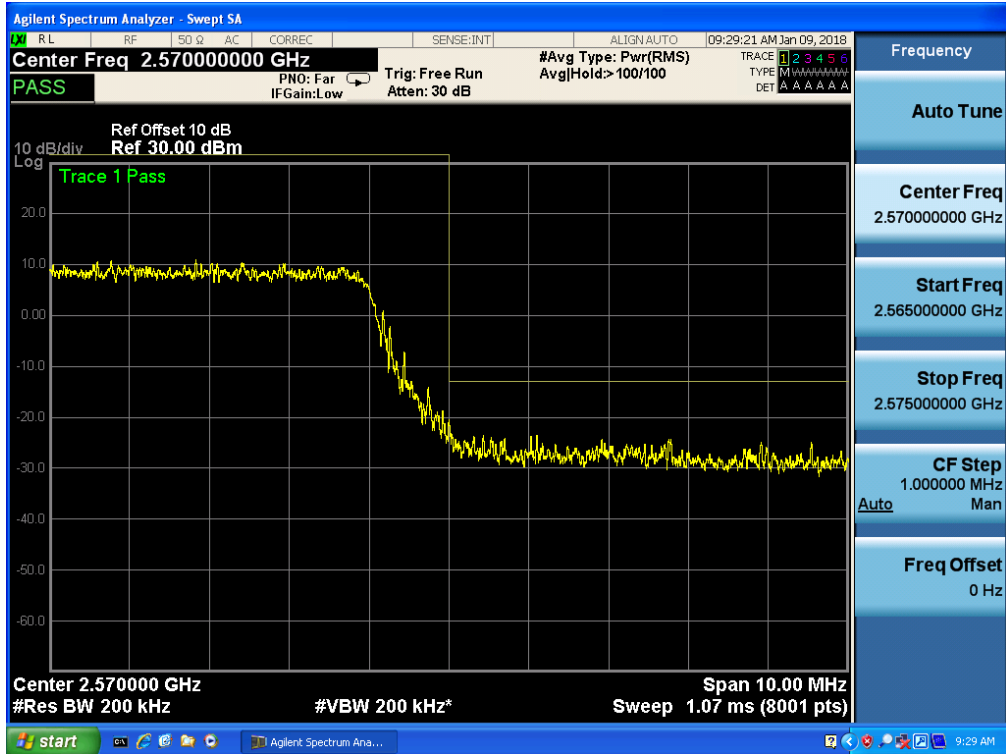




Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



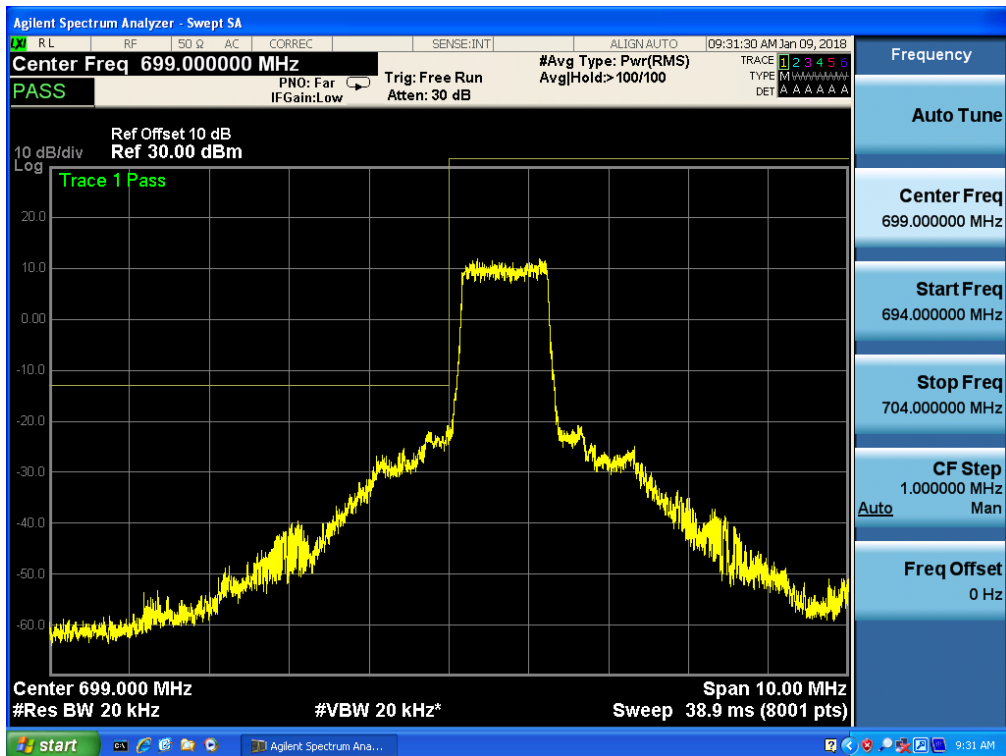
Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



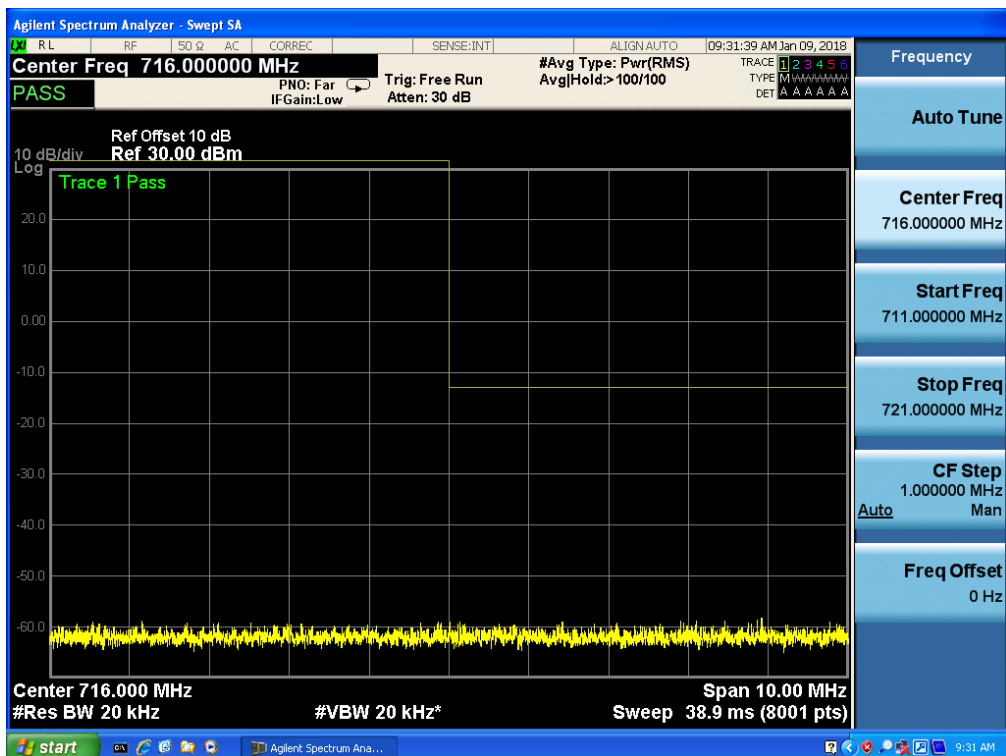


6.5 LTE BAND 12

Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK

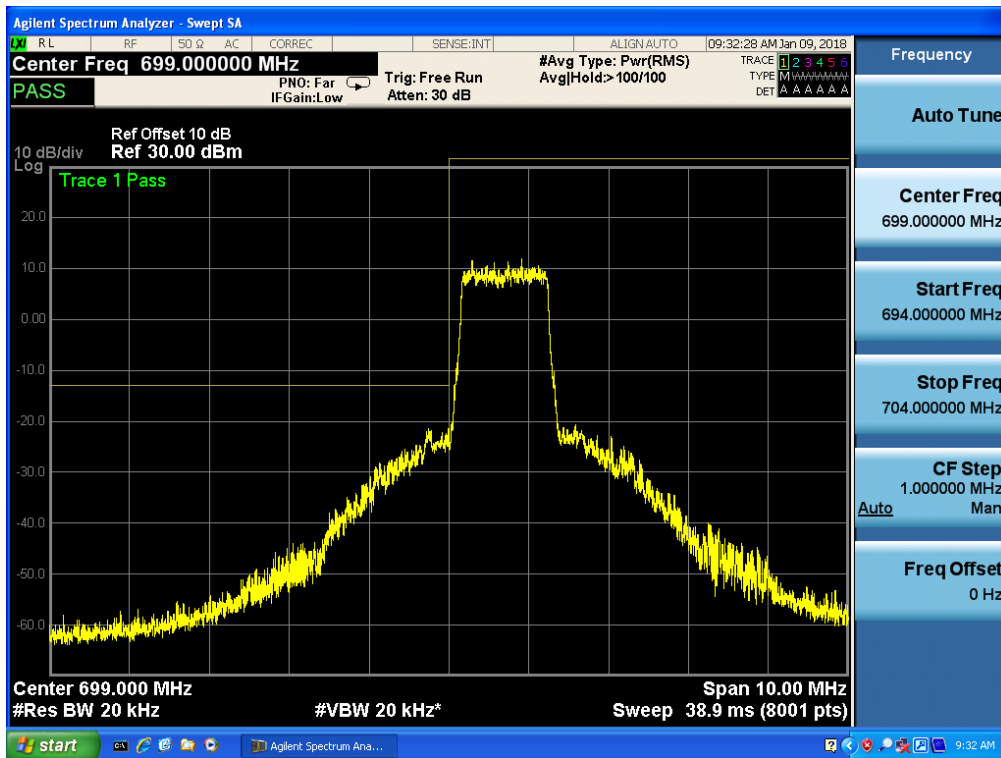


Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK

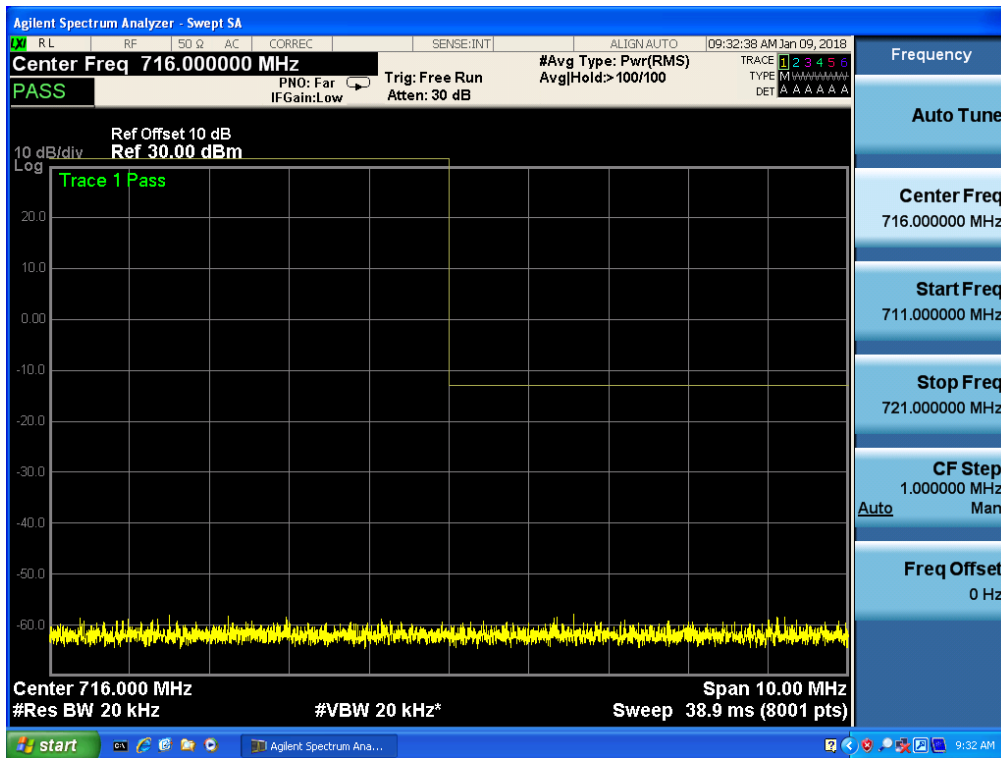




Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM

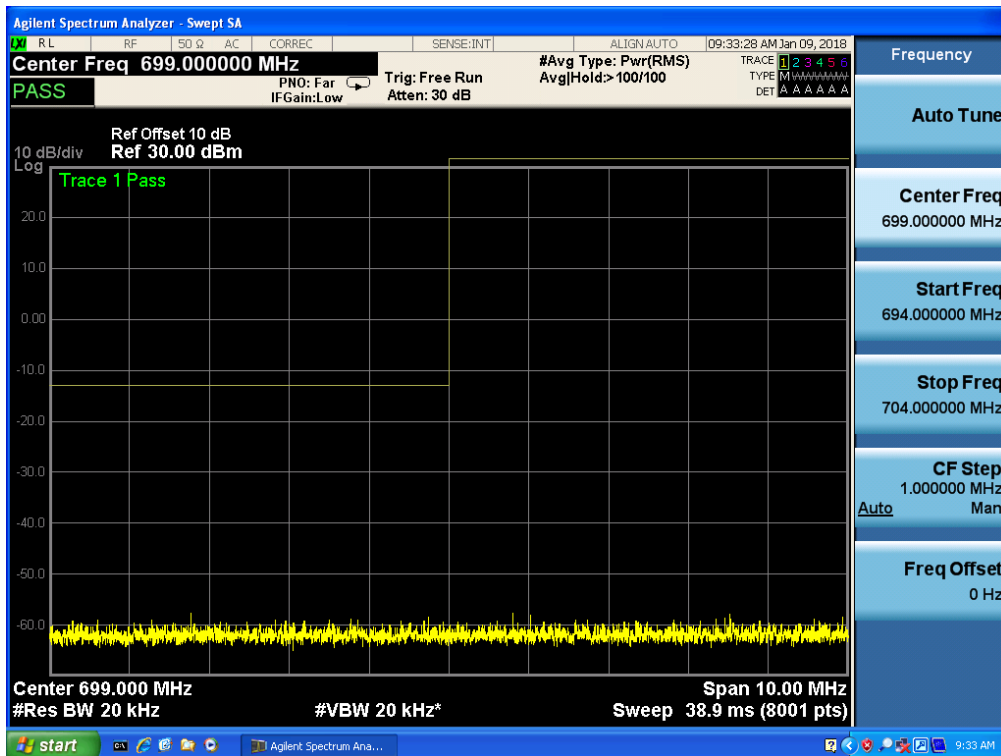


Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM

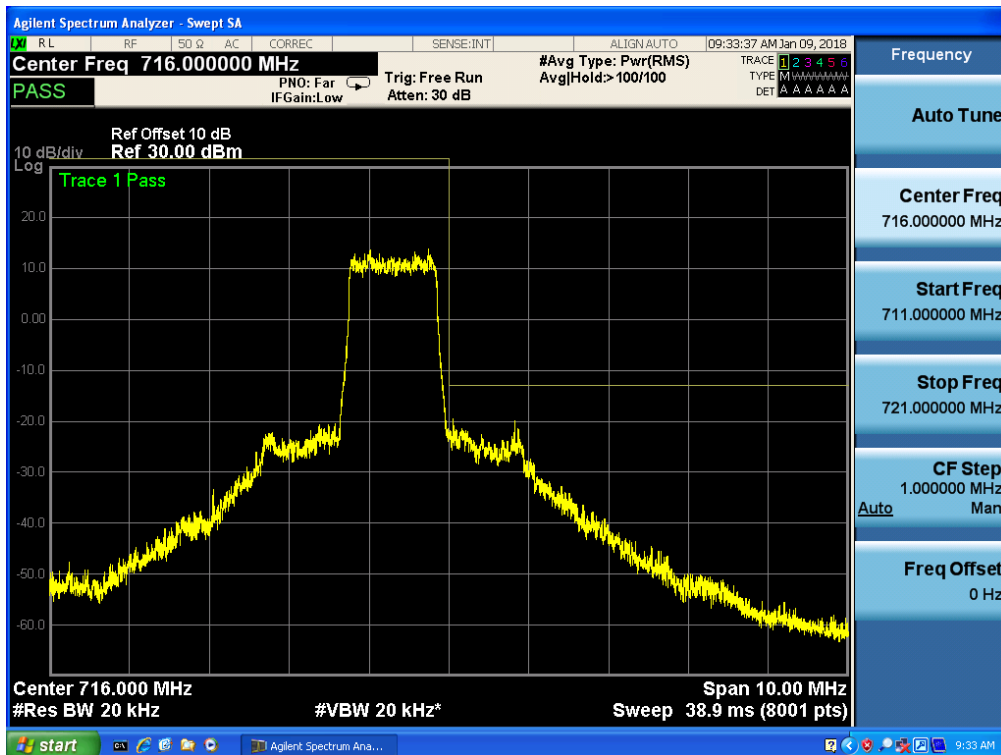




Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK

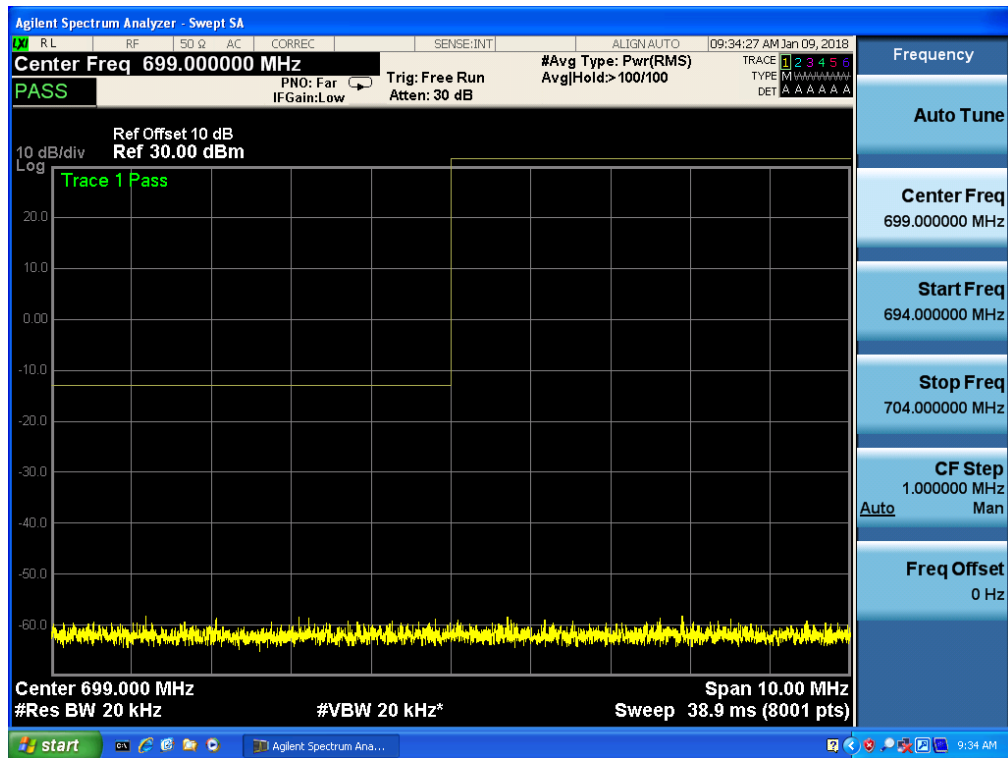


Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK

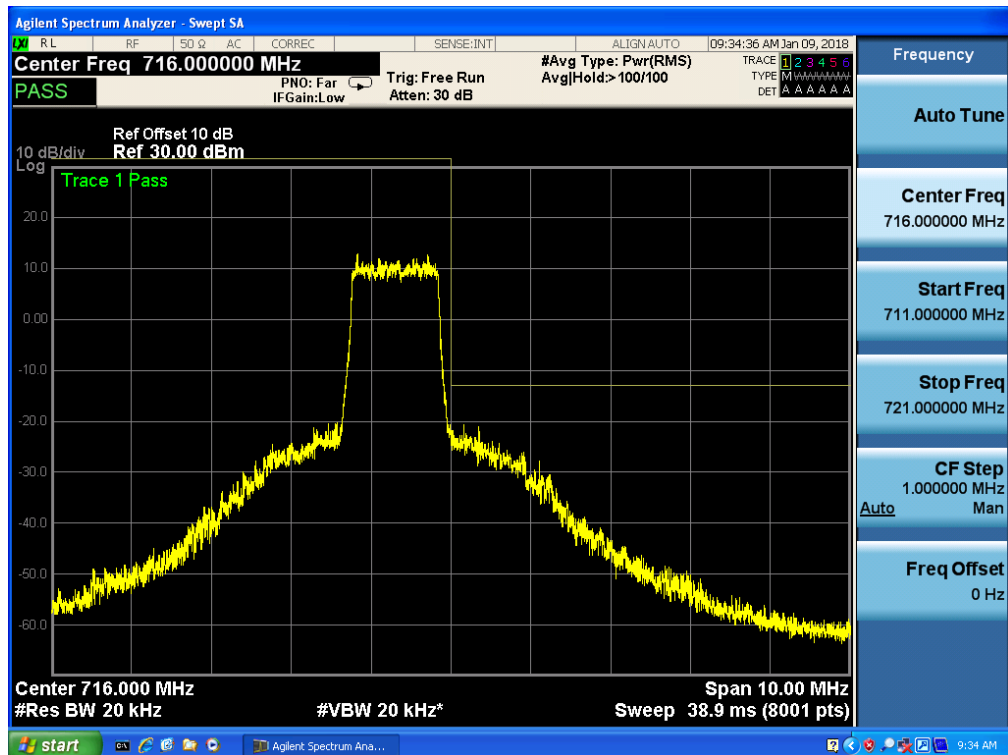




Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM

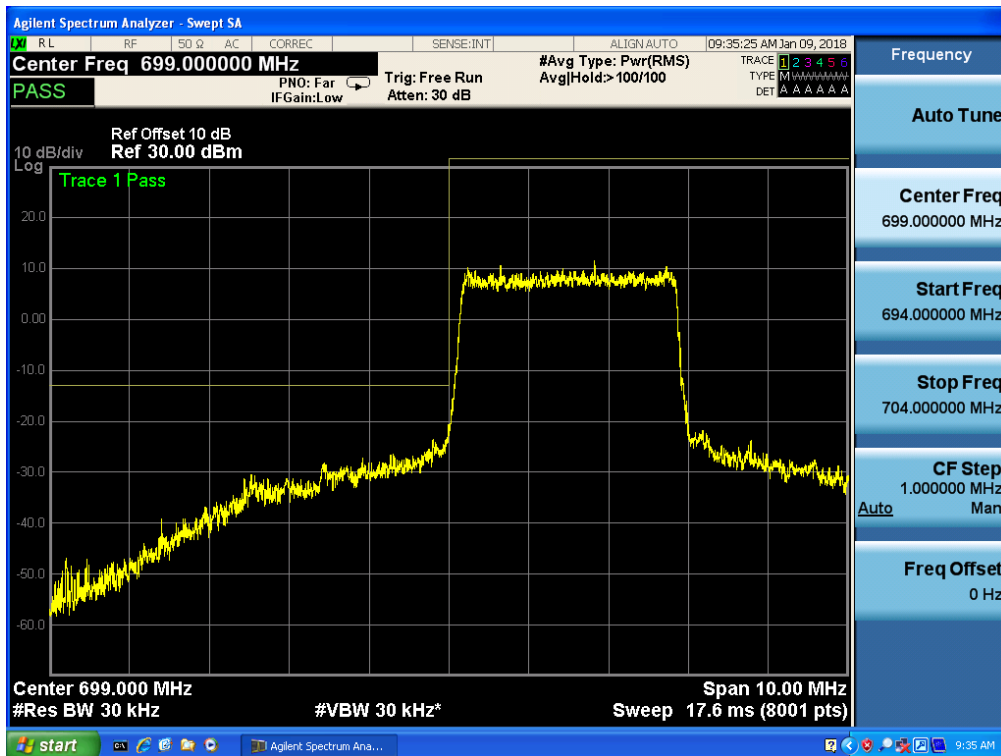


Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM

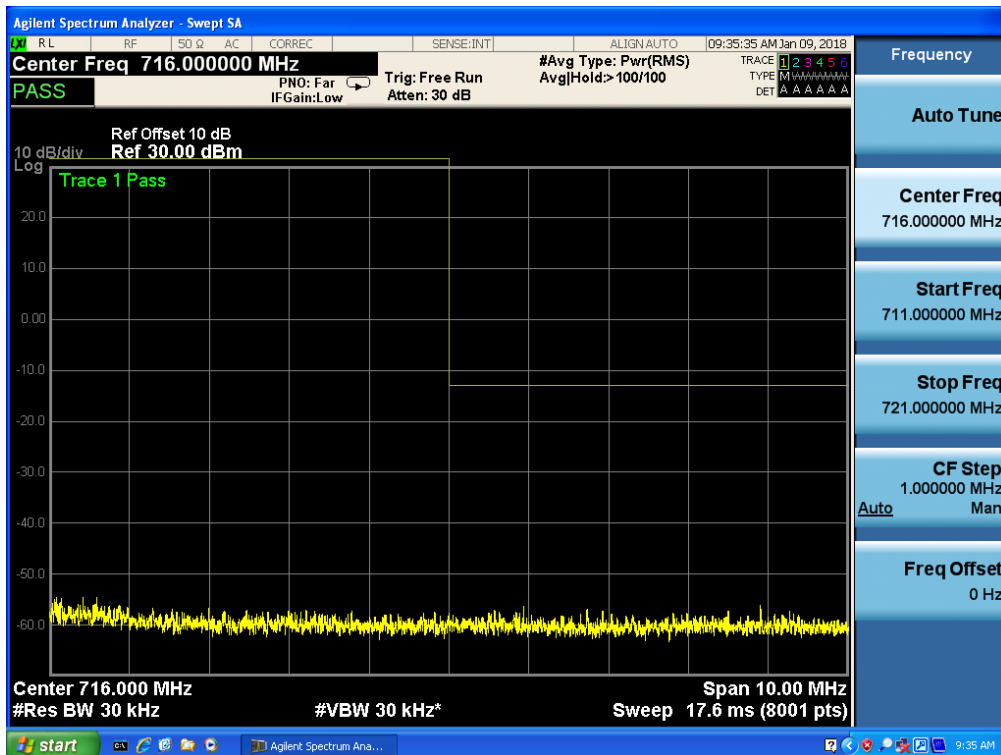




Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

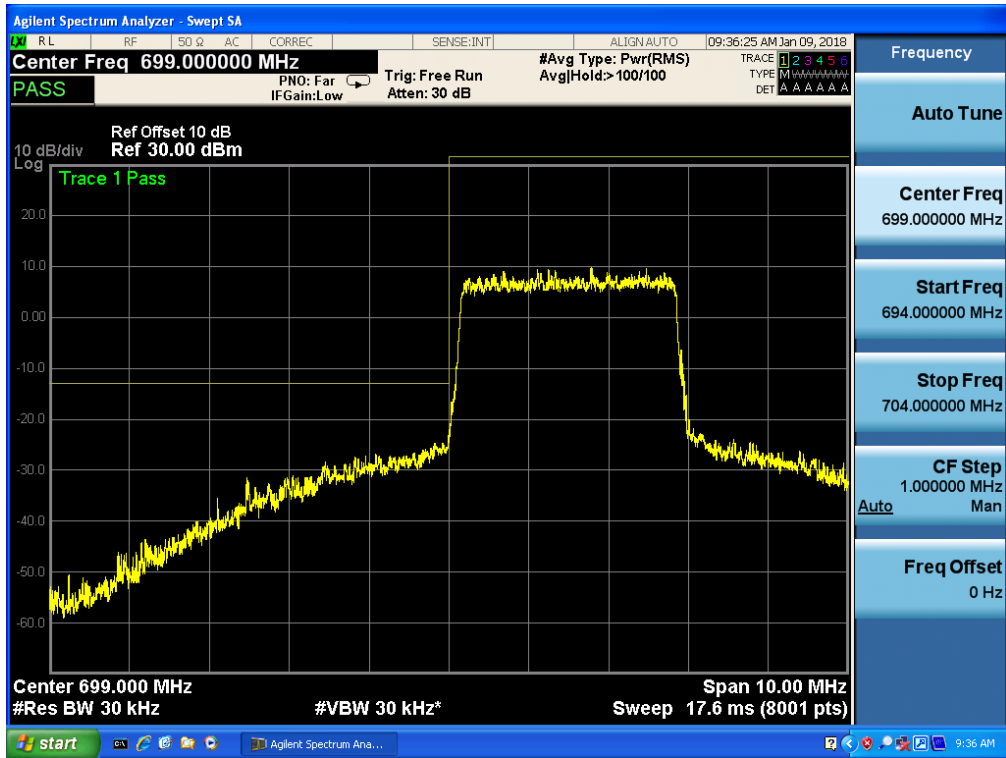


Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

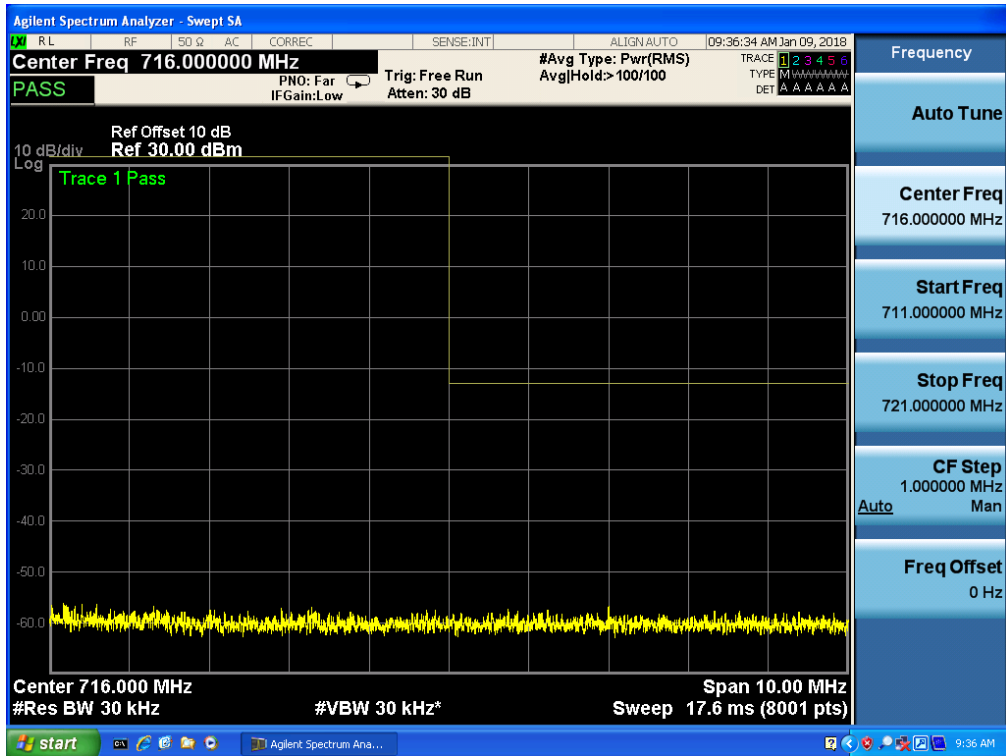




Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM

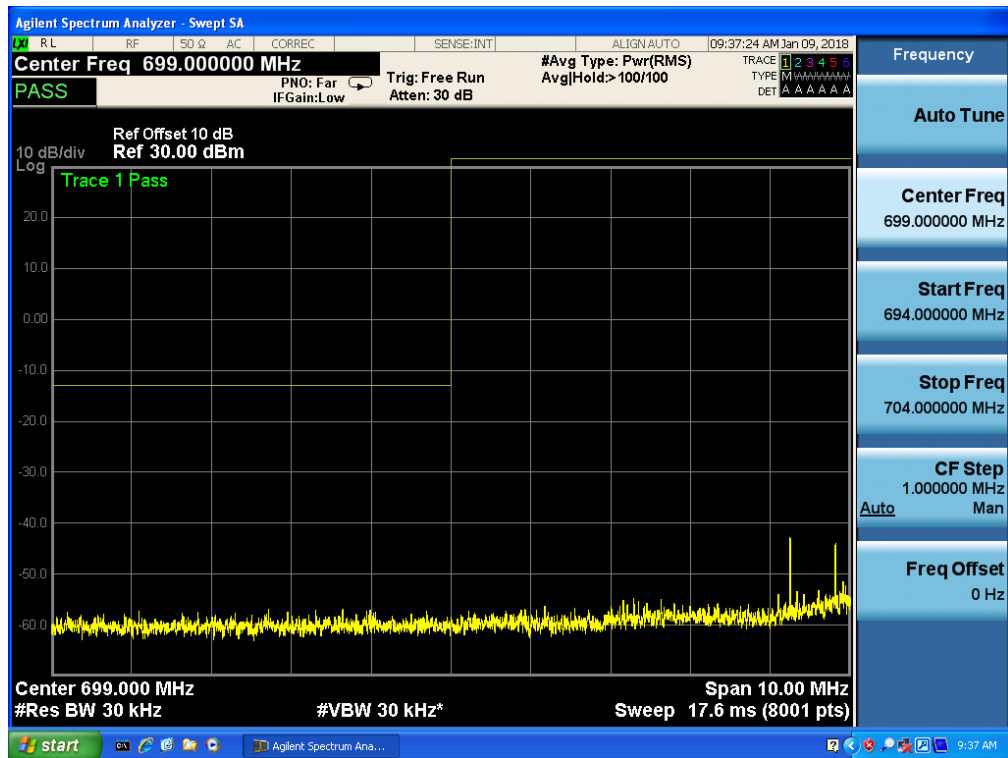


Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM

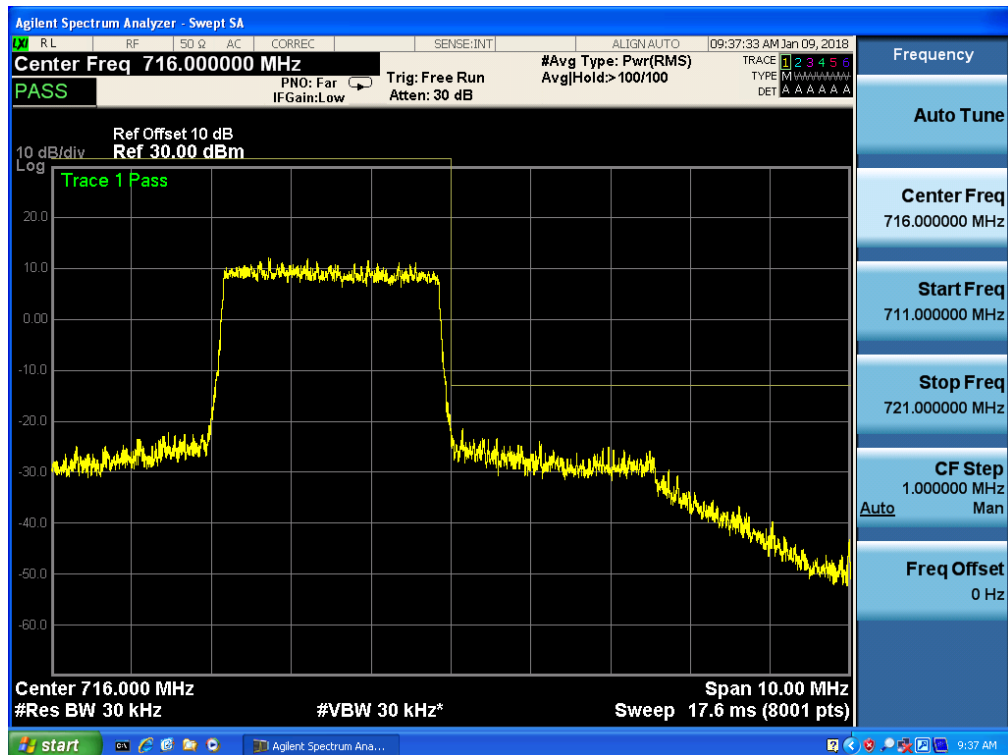




Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

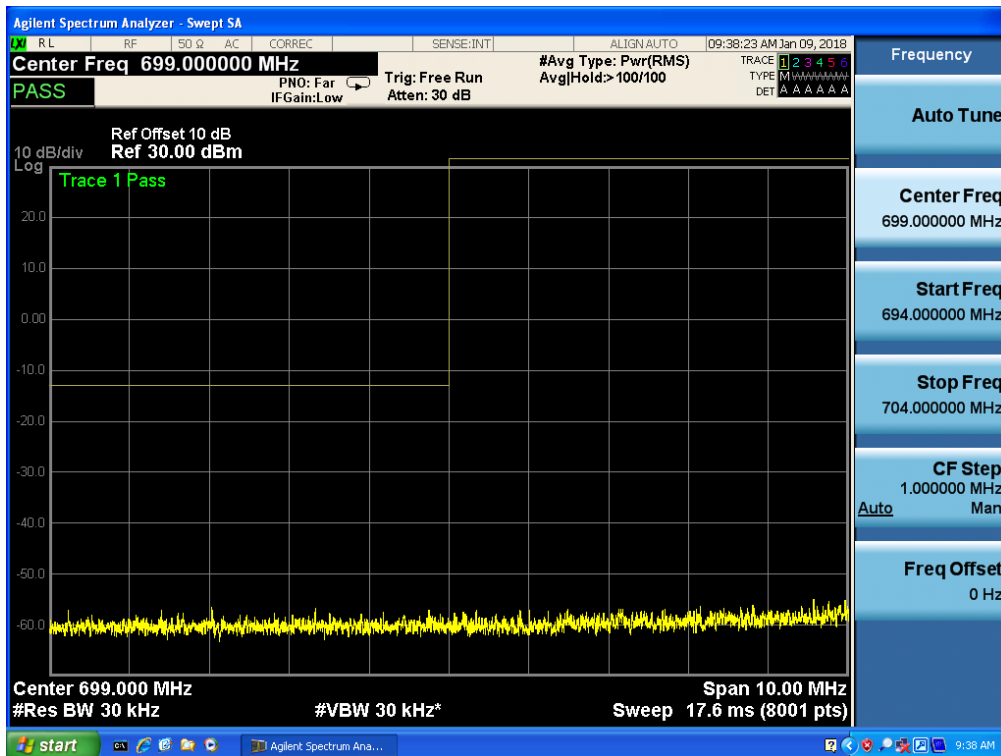


Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

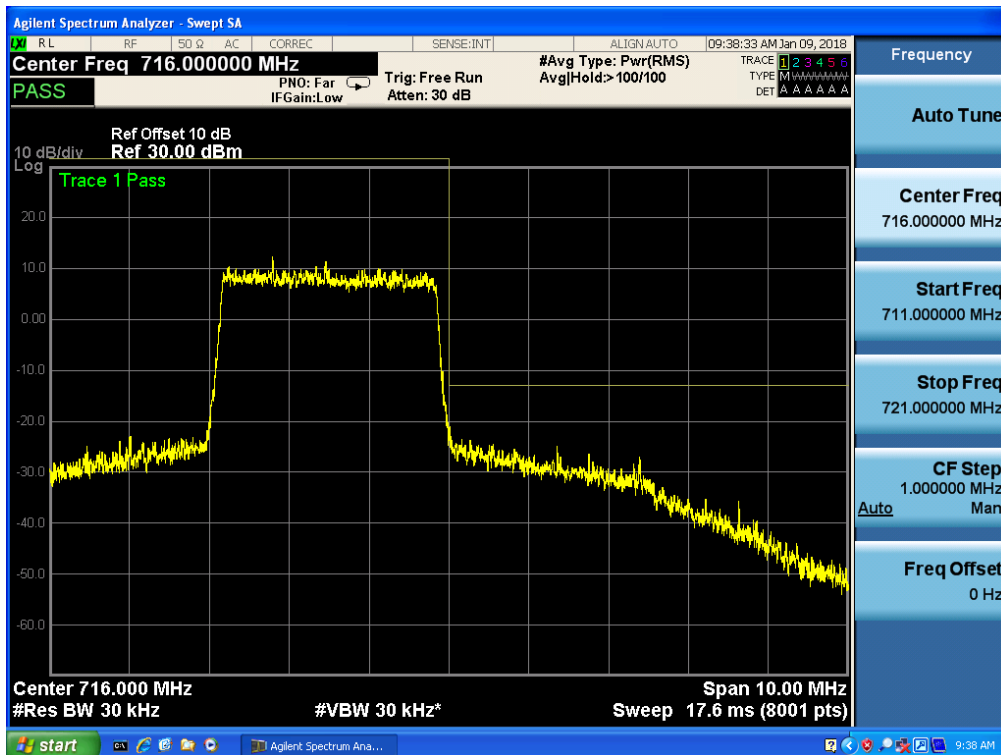




Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM

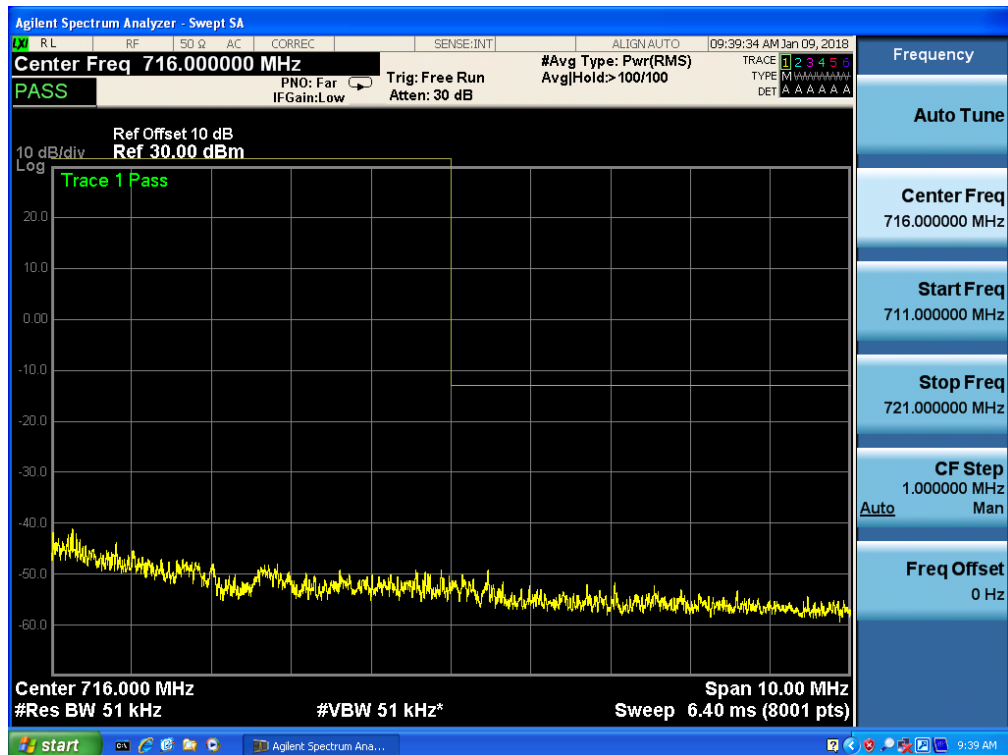




Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

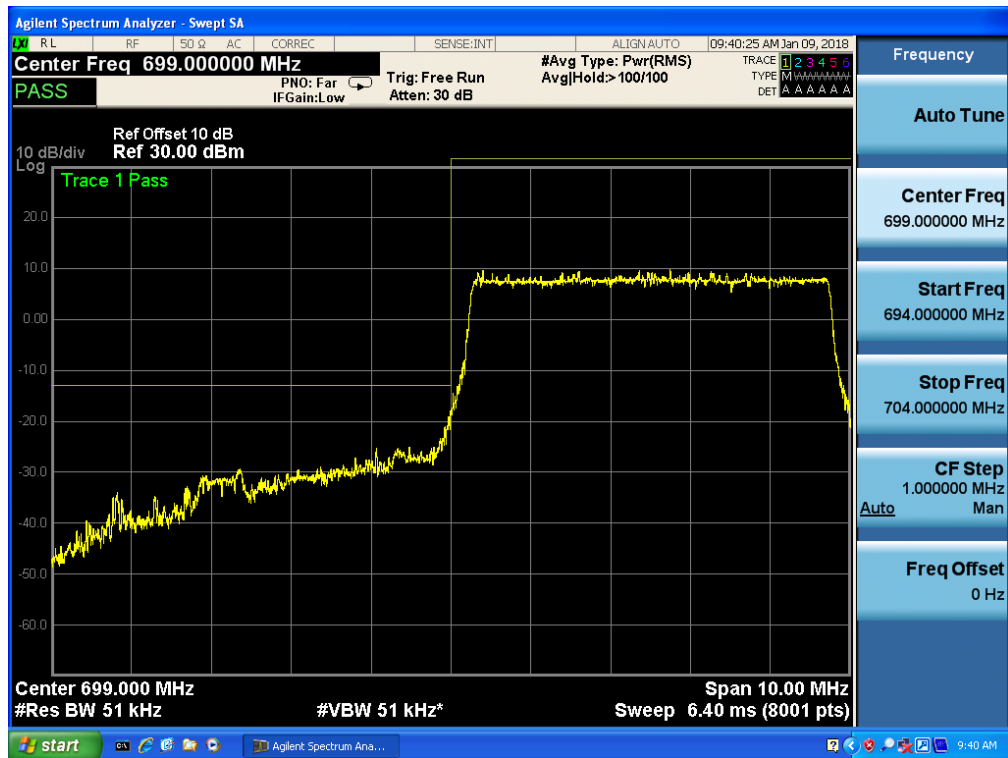


Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

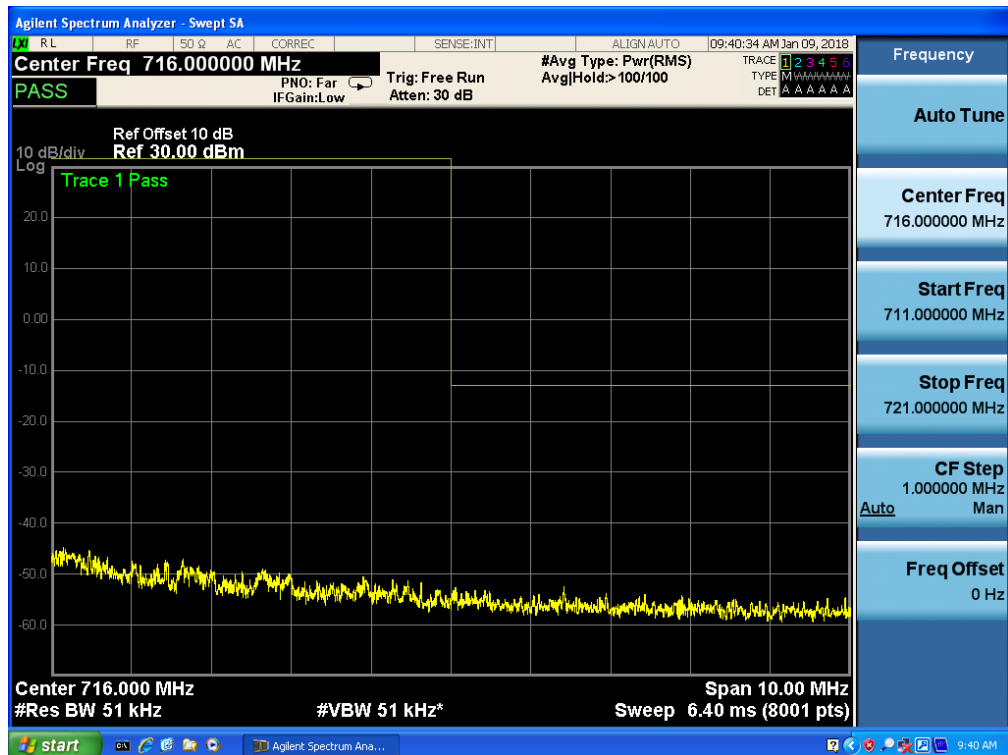




Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

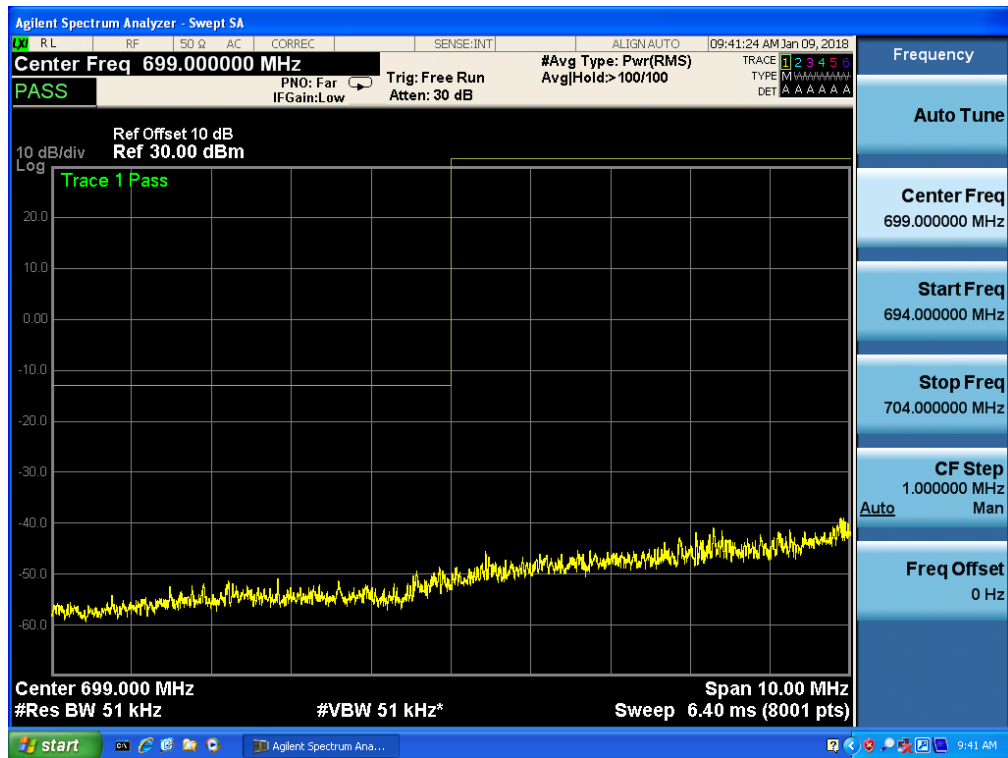


Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

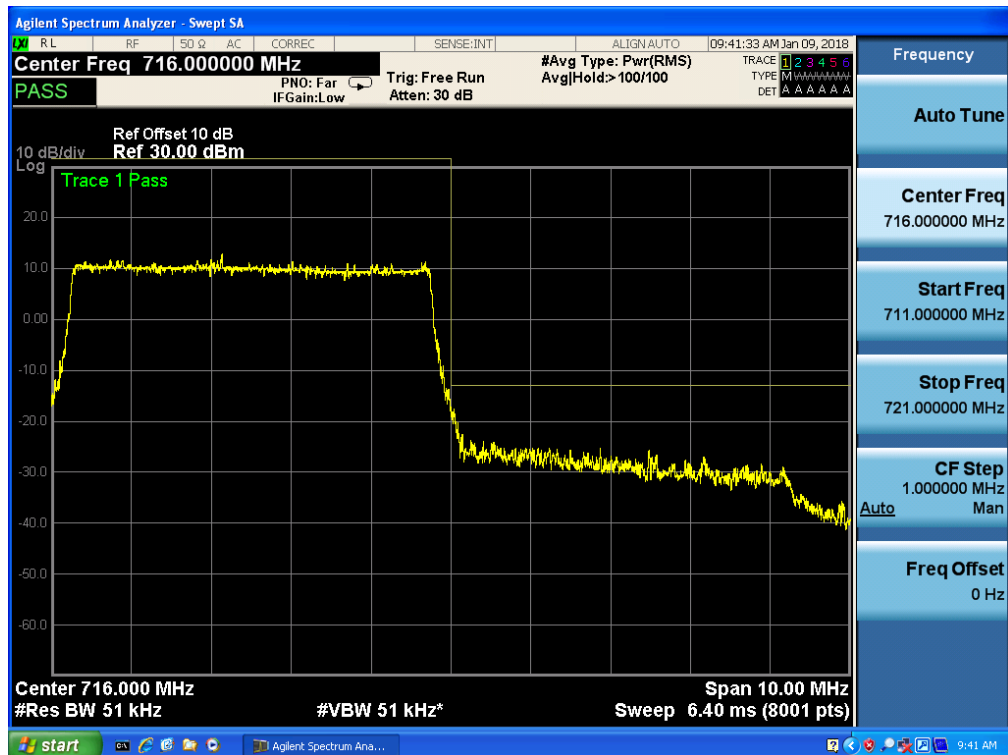




Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

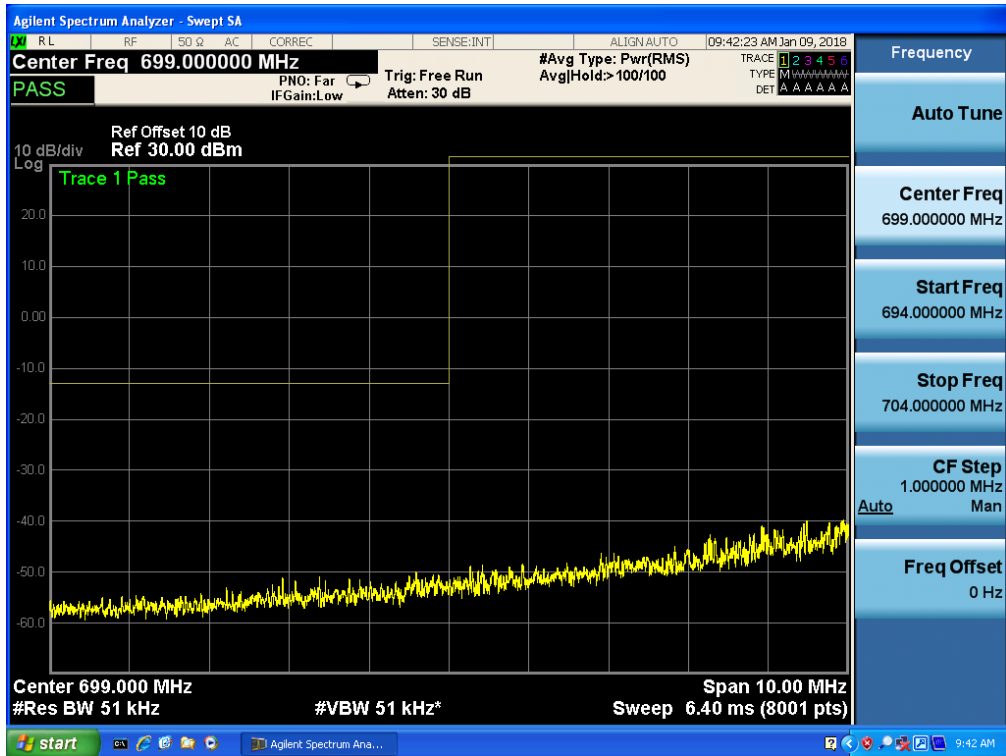


Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

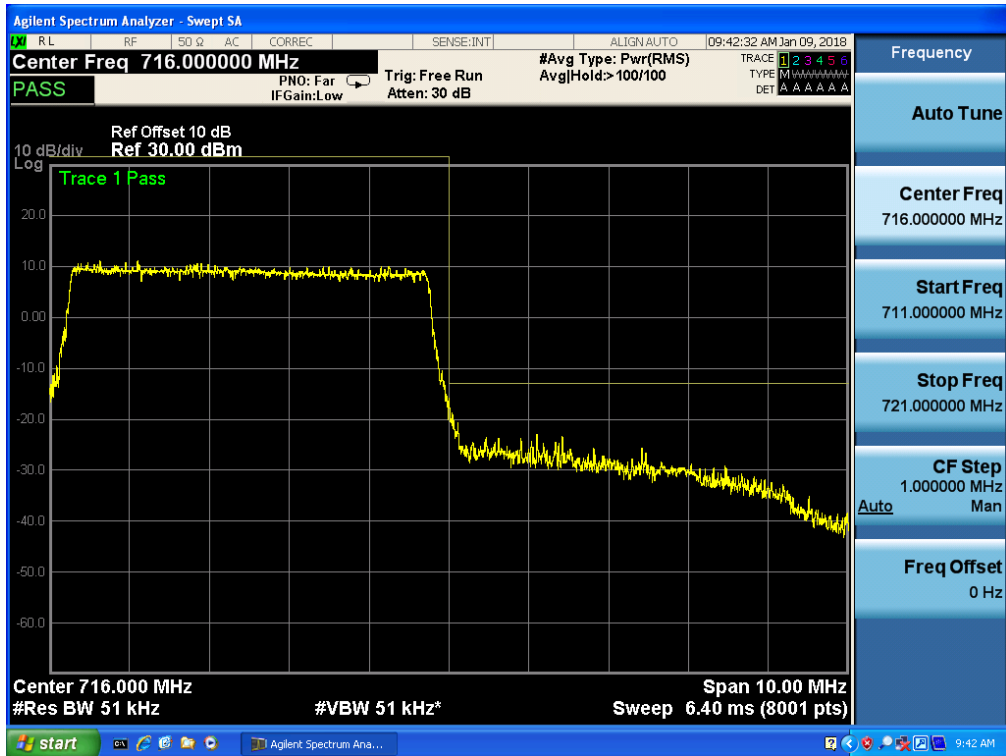




Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

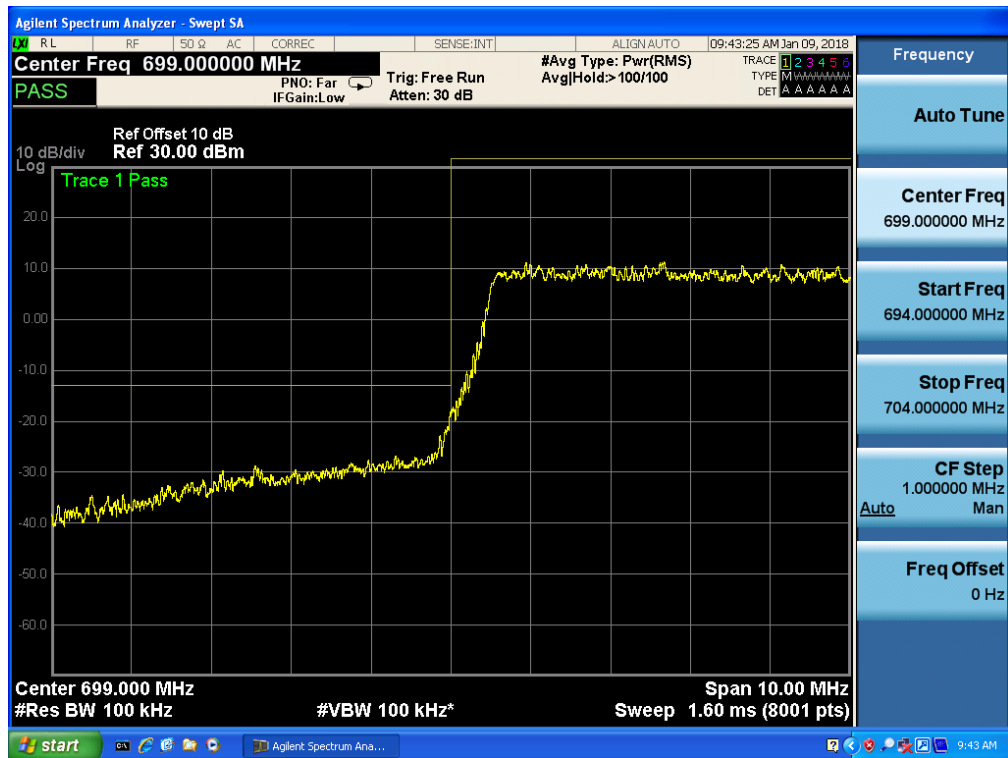


Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

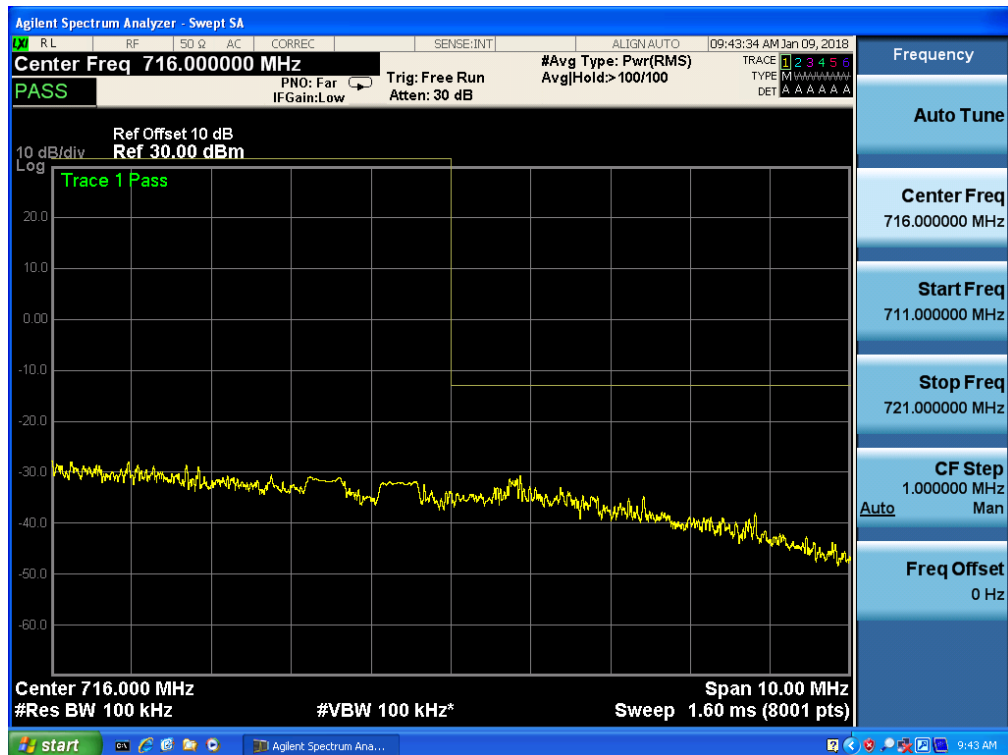




Band 12, UL Channel 23060, UL Frequency 704.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

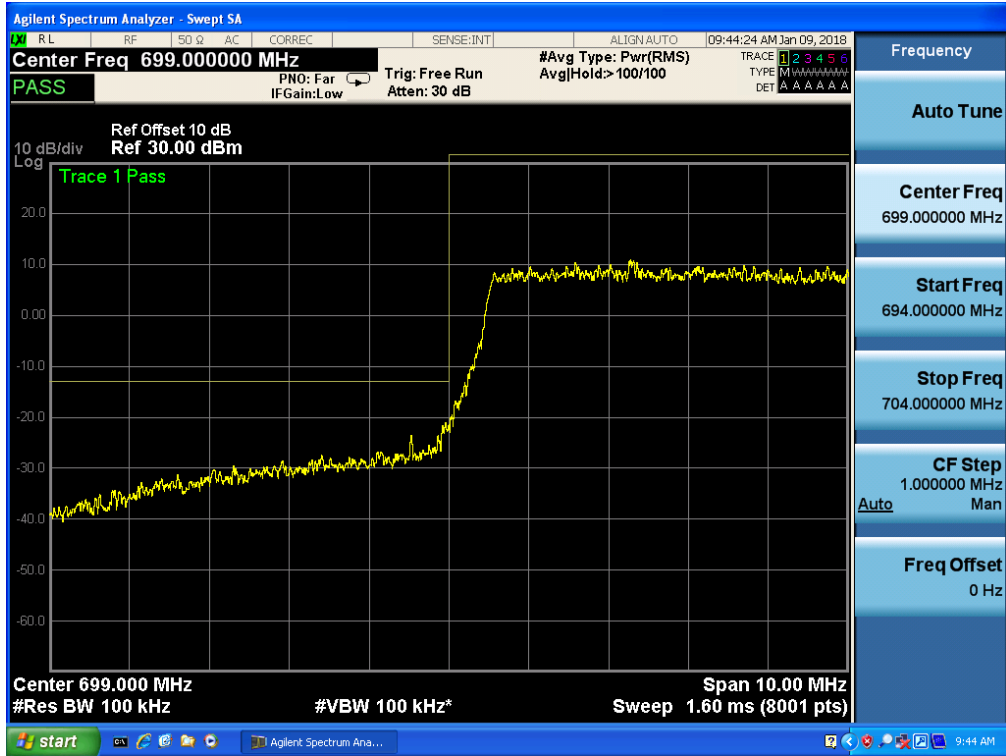


Band 12, UL Channel 23060, UL Frequency 704.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

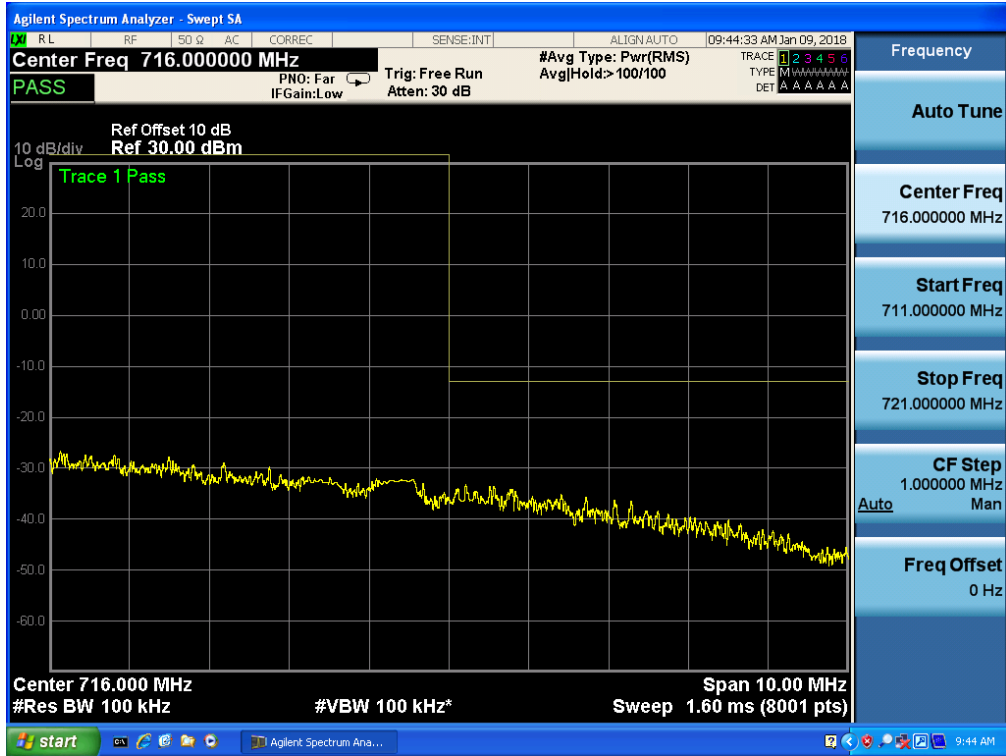




Band 12,UL Channel 23060,UL Frequency 704.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM

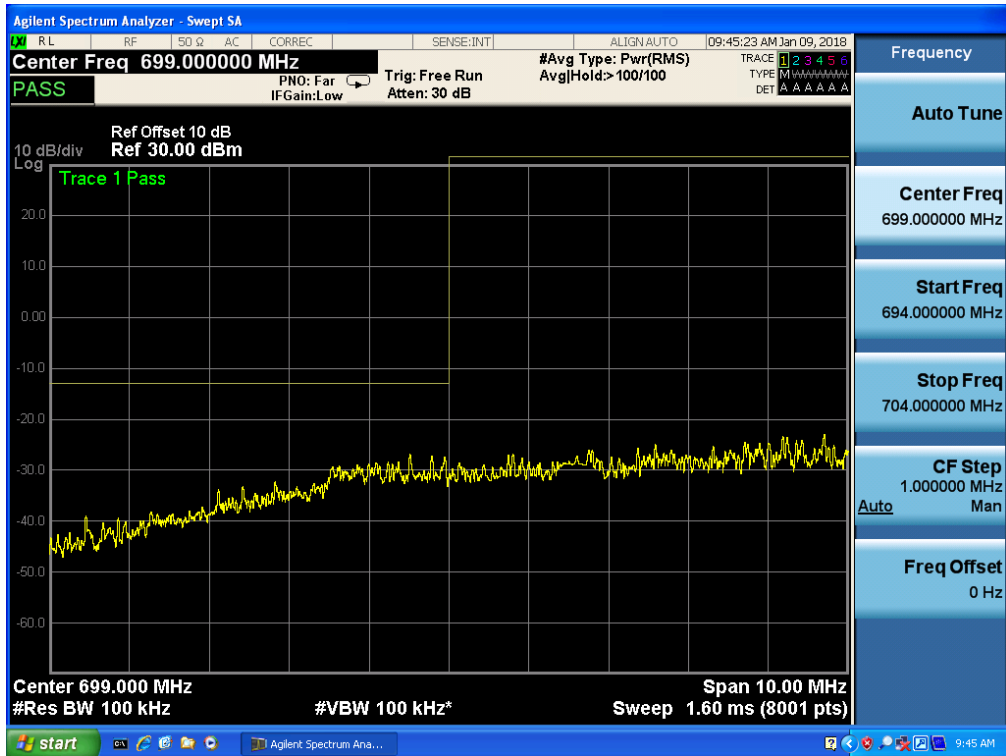


Band 12,UL Channel 23060,UL Frequency 704.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM

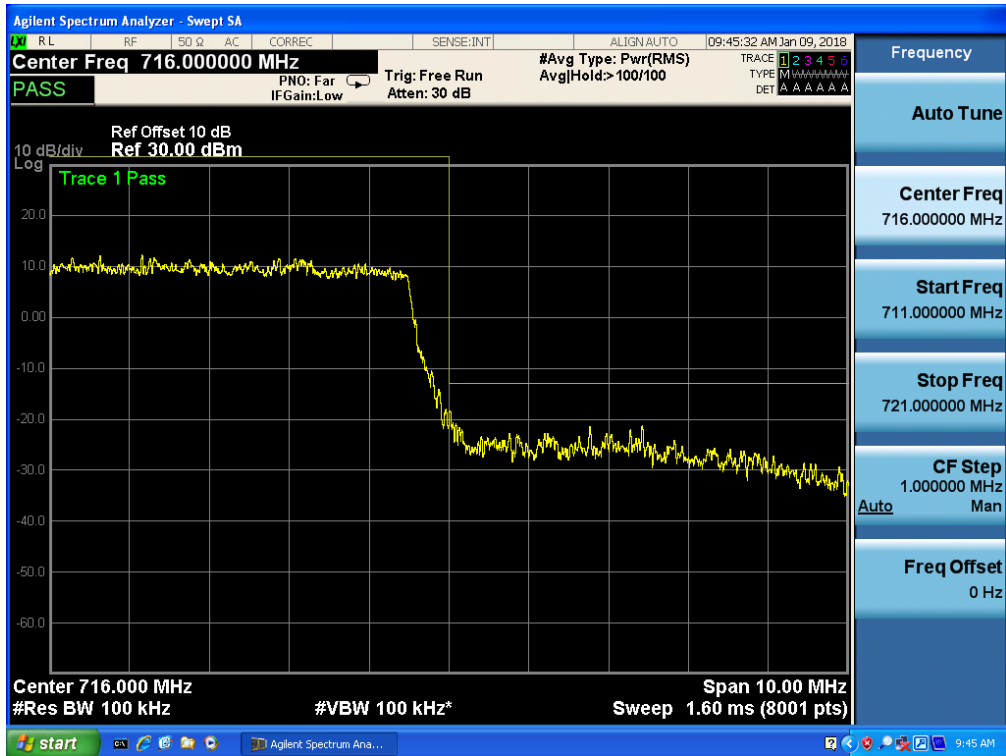




Band 12, UL Channel 23130, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

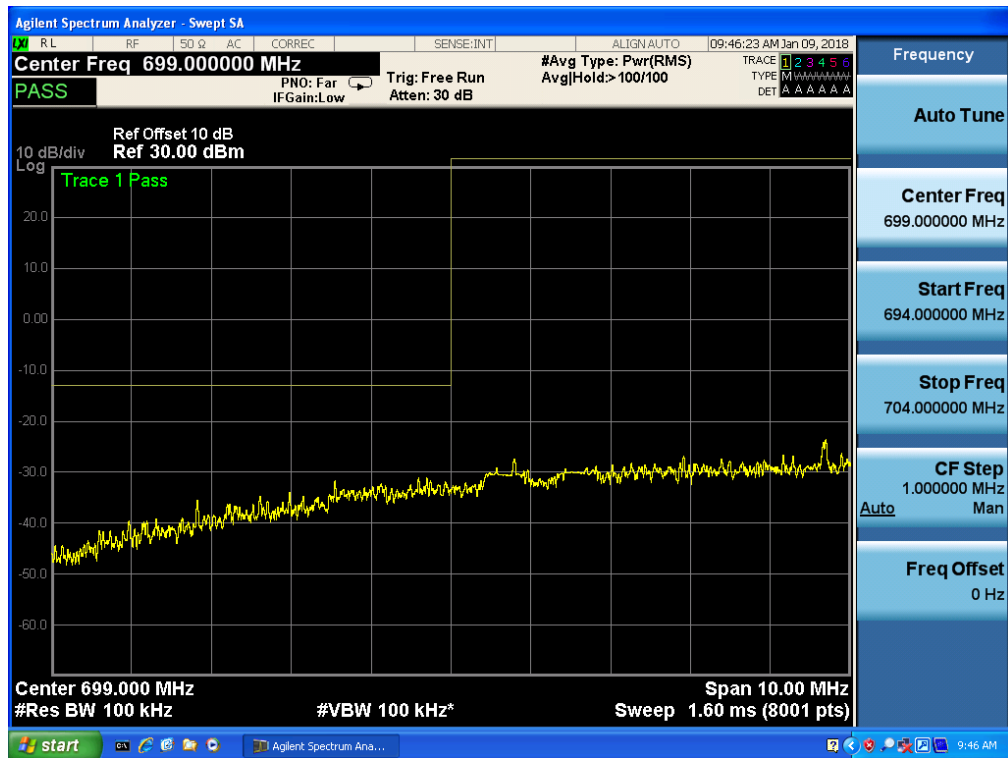


Band 12, UL Channel 23130, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

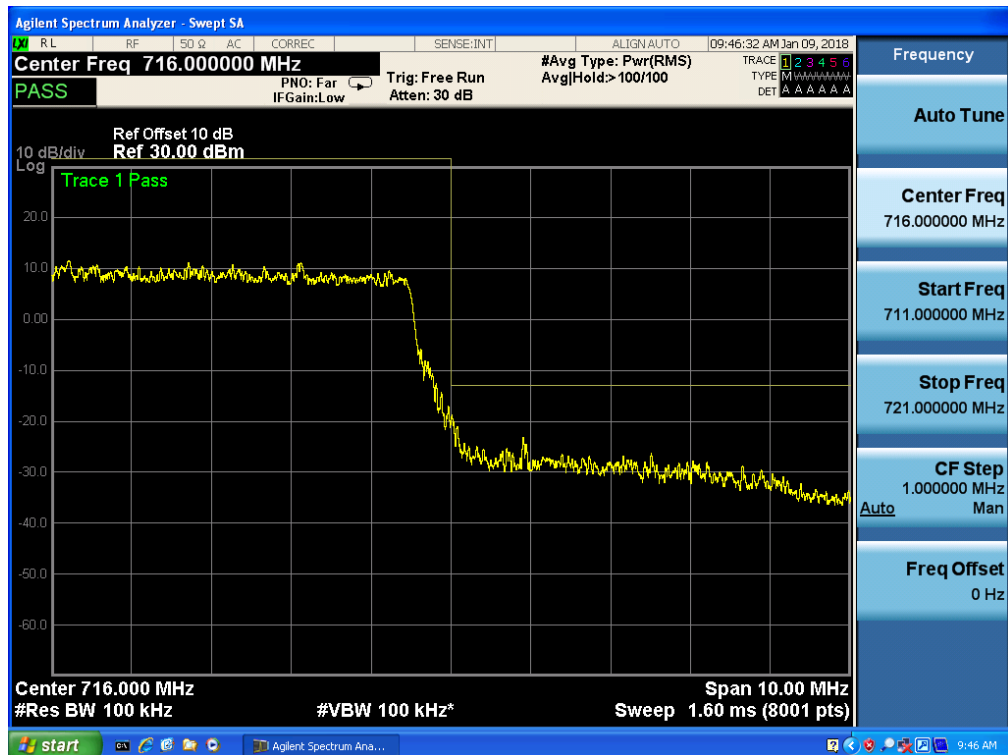




Band 12,UL Channel 23130,UL Frequency 711.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM



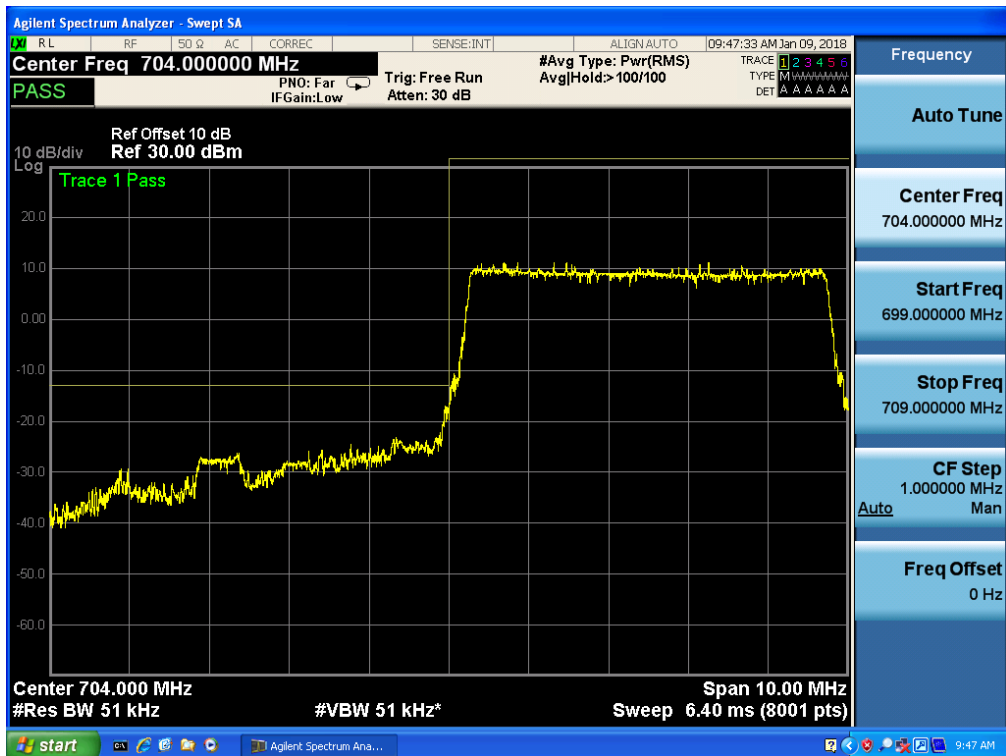
Band 12,UL Channel 23130,UL Frequency 711.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM



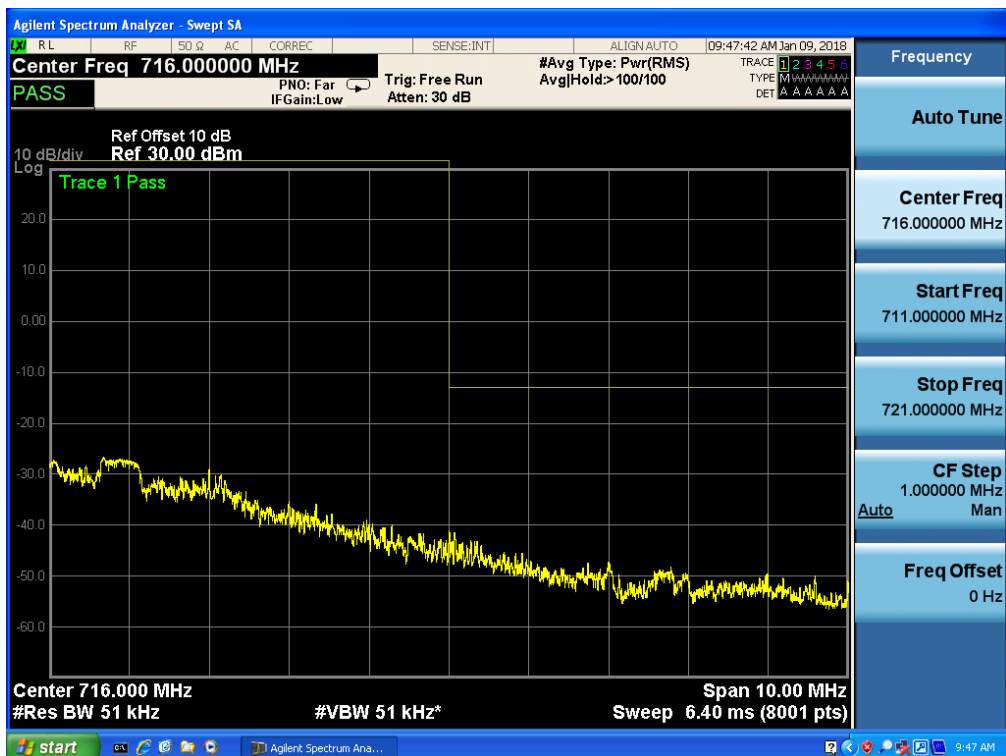


6.6 LTE BAND 17

Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

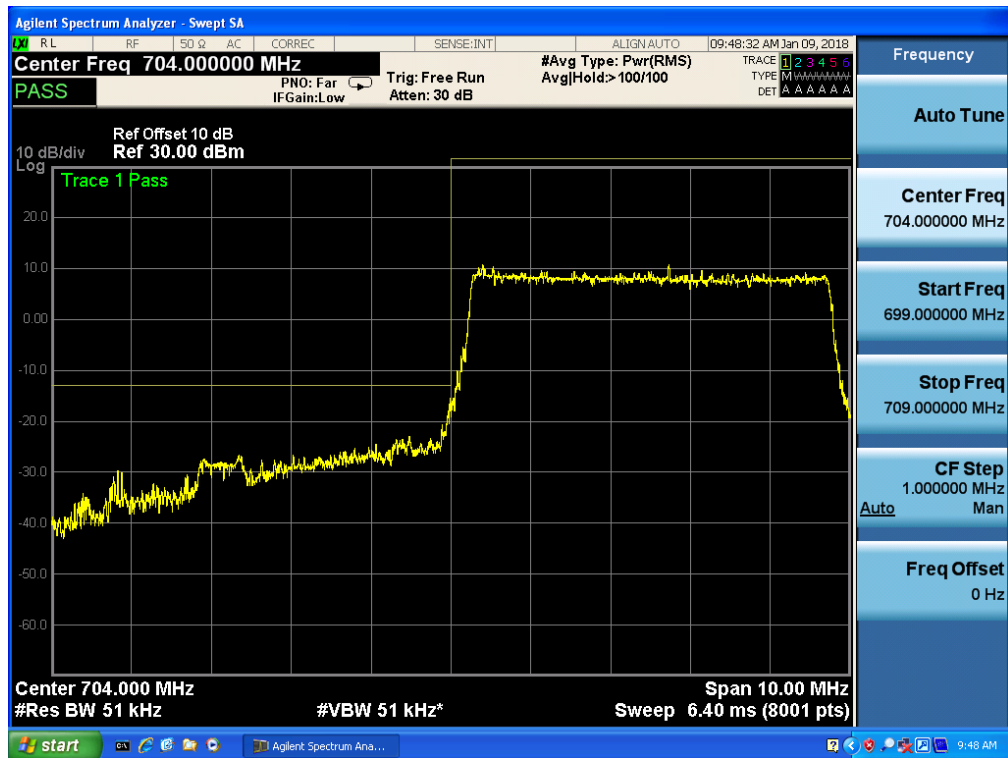


Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

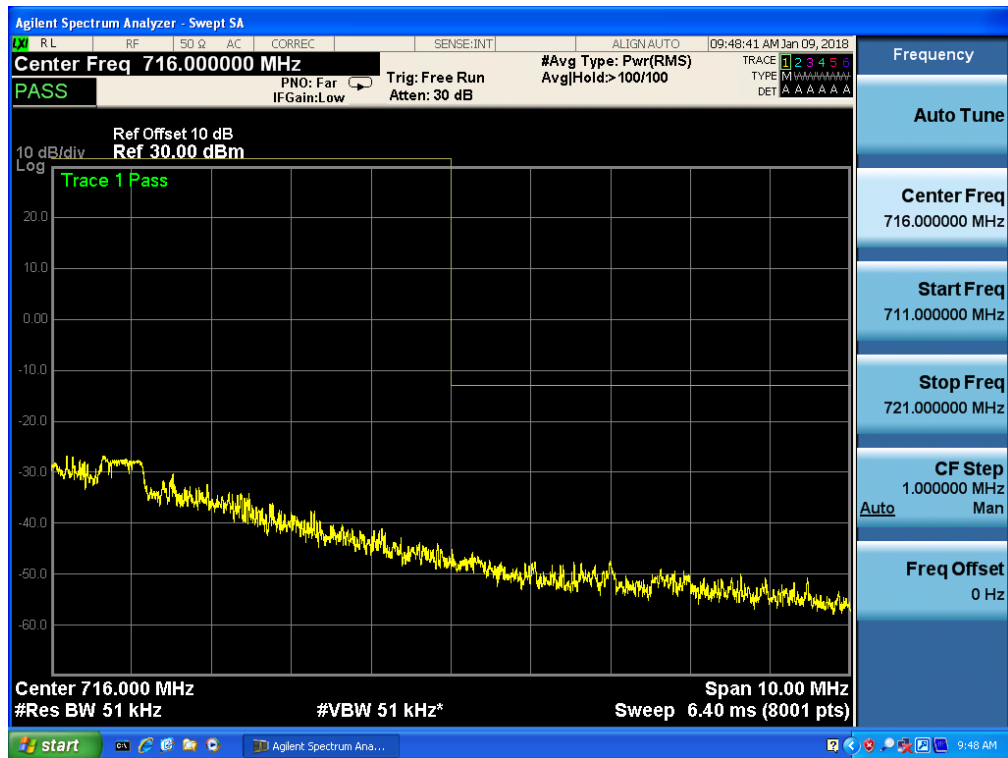




Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

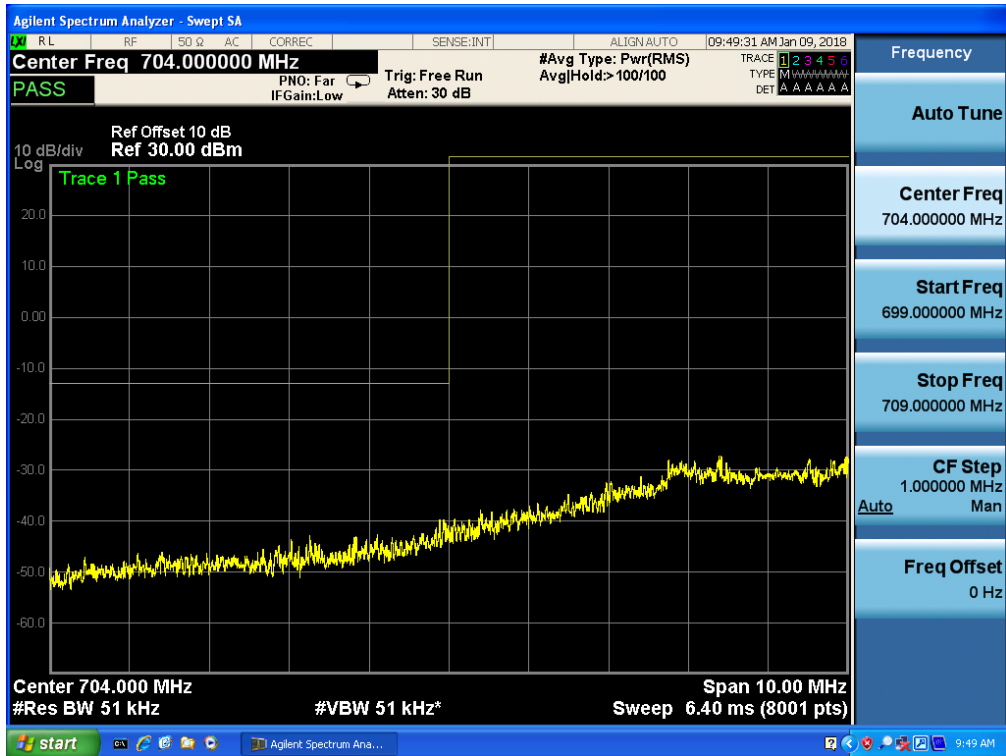


Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM





Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

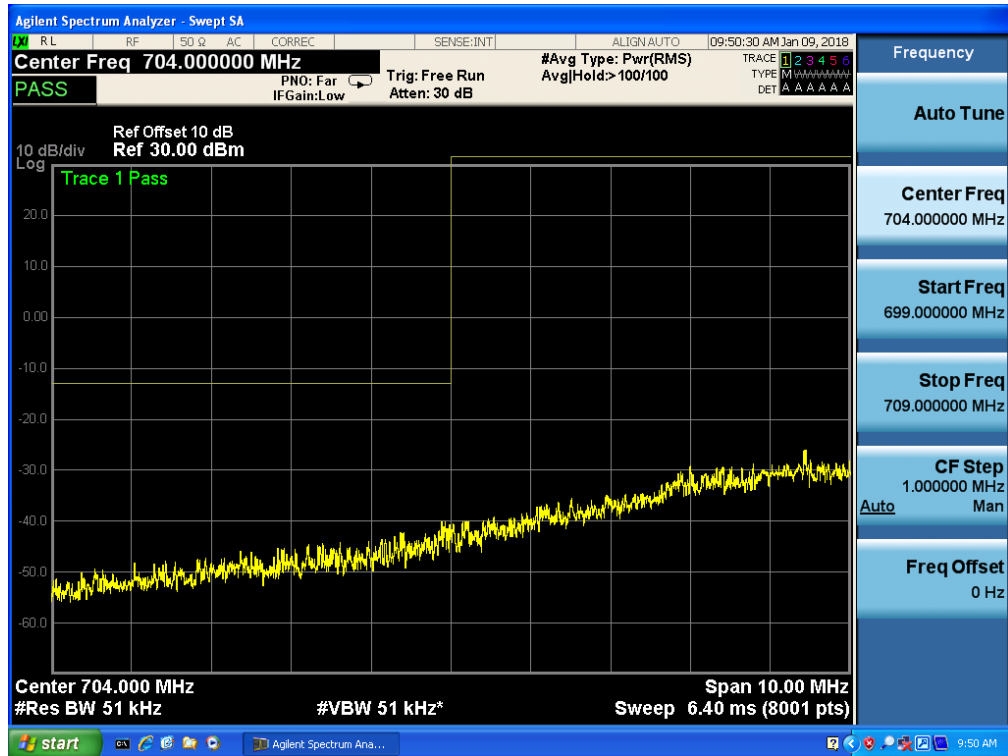


Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK





Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

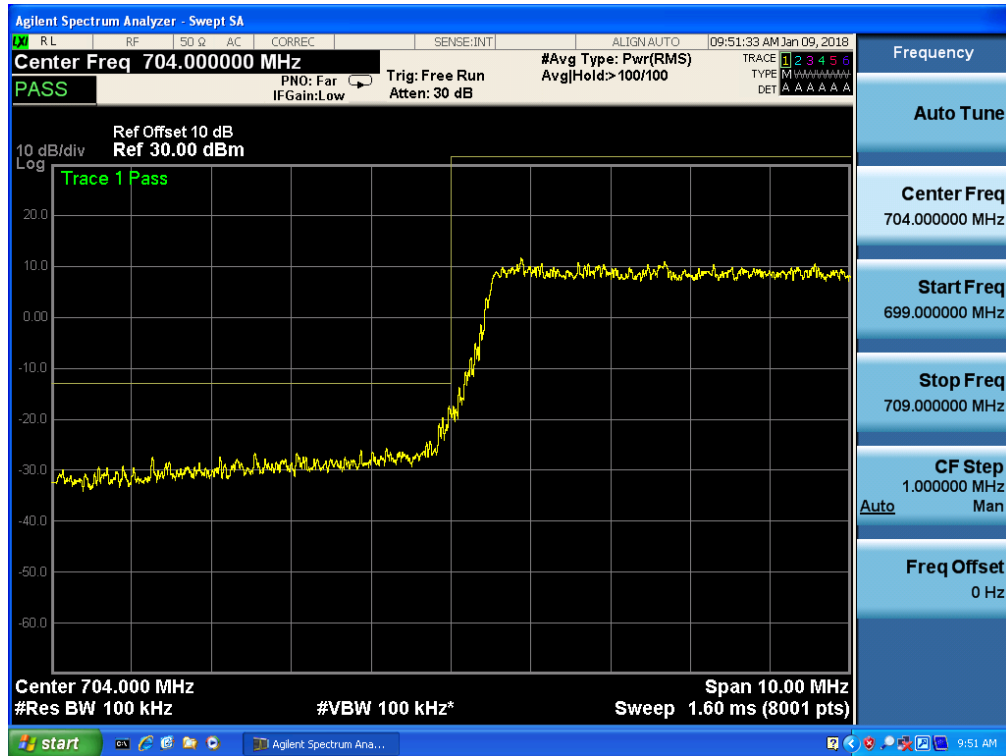


Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM

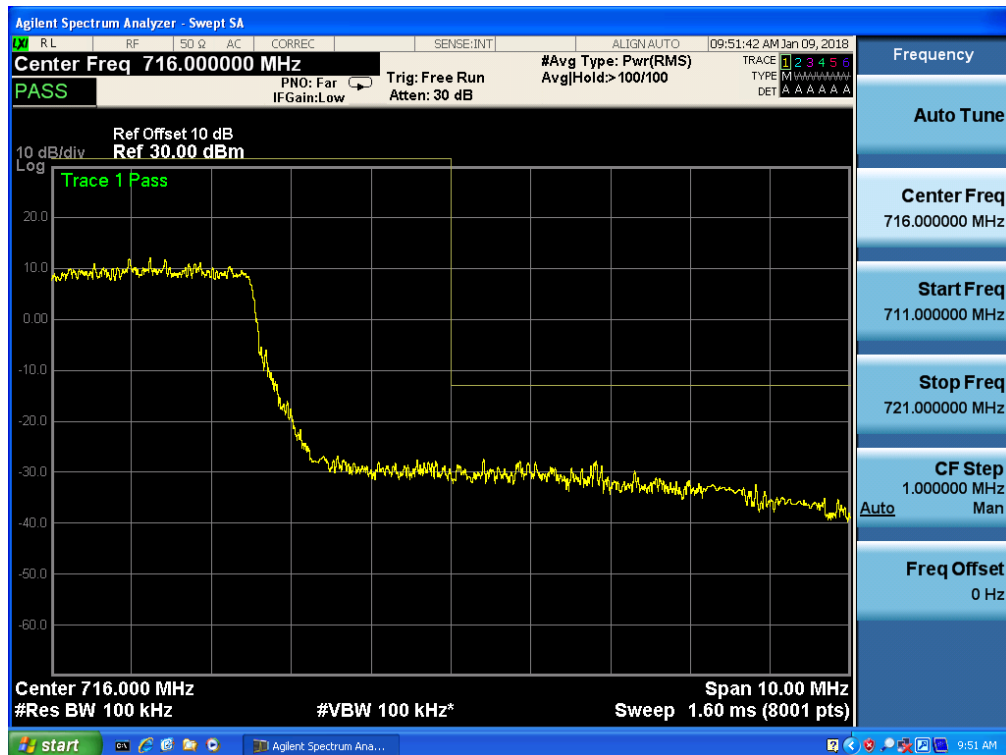




Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

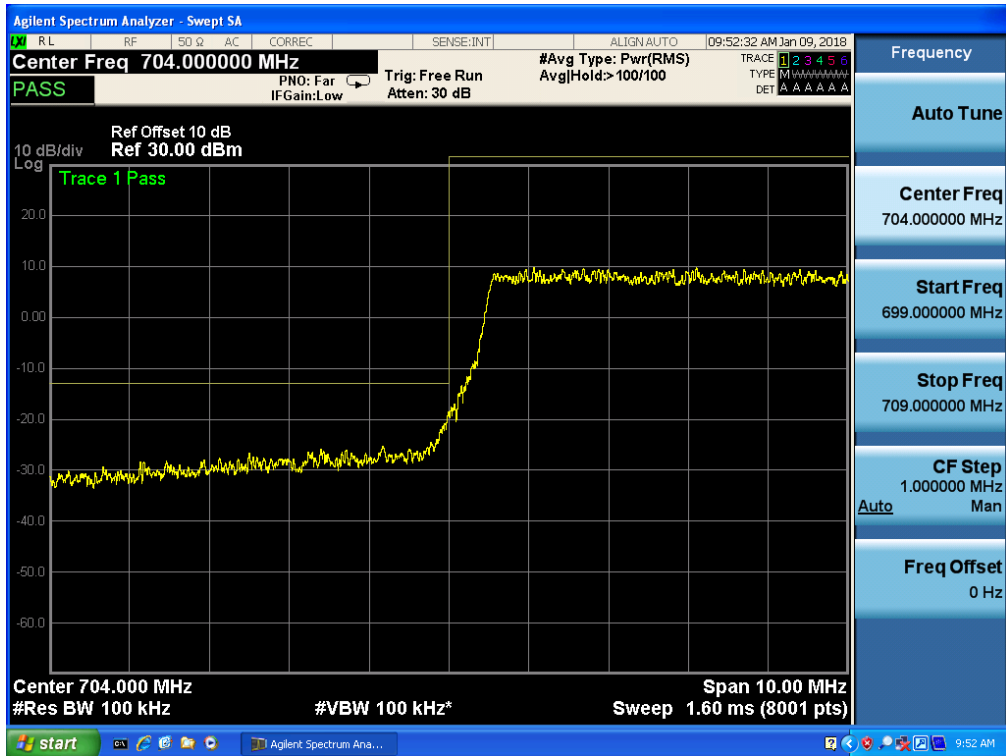


Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK





Band 17,UL Channel 23780,UL Frequency 709.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM

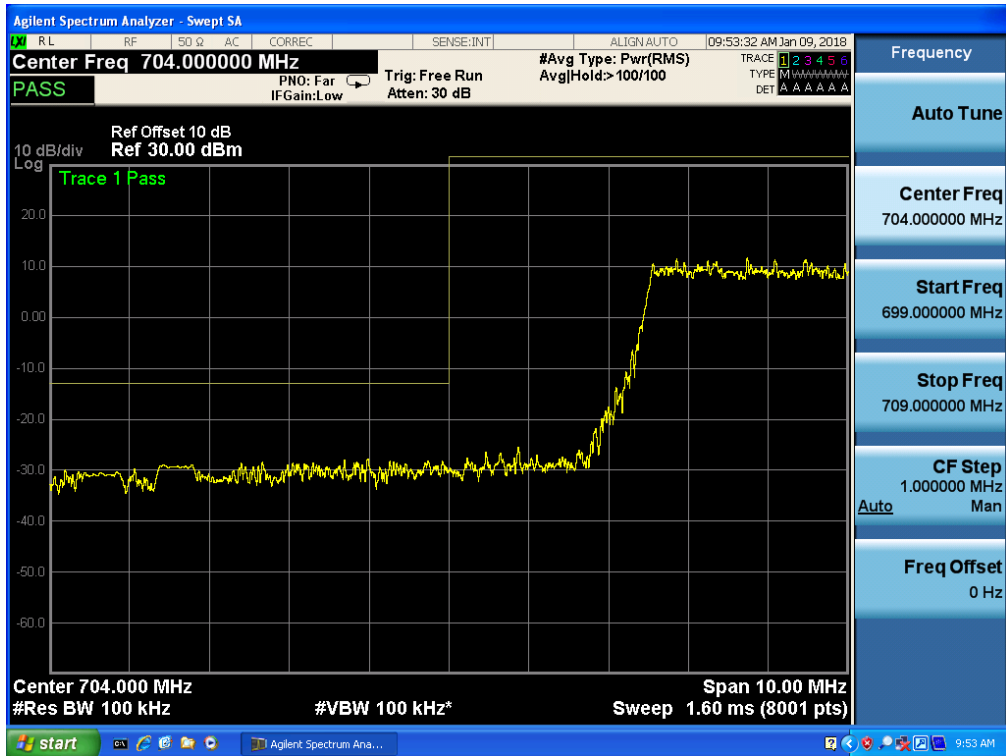


Band 17,UL Channel 23780,UL Frequency 709.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM





Band 17, UL Channel 23800, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

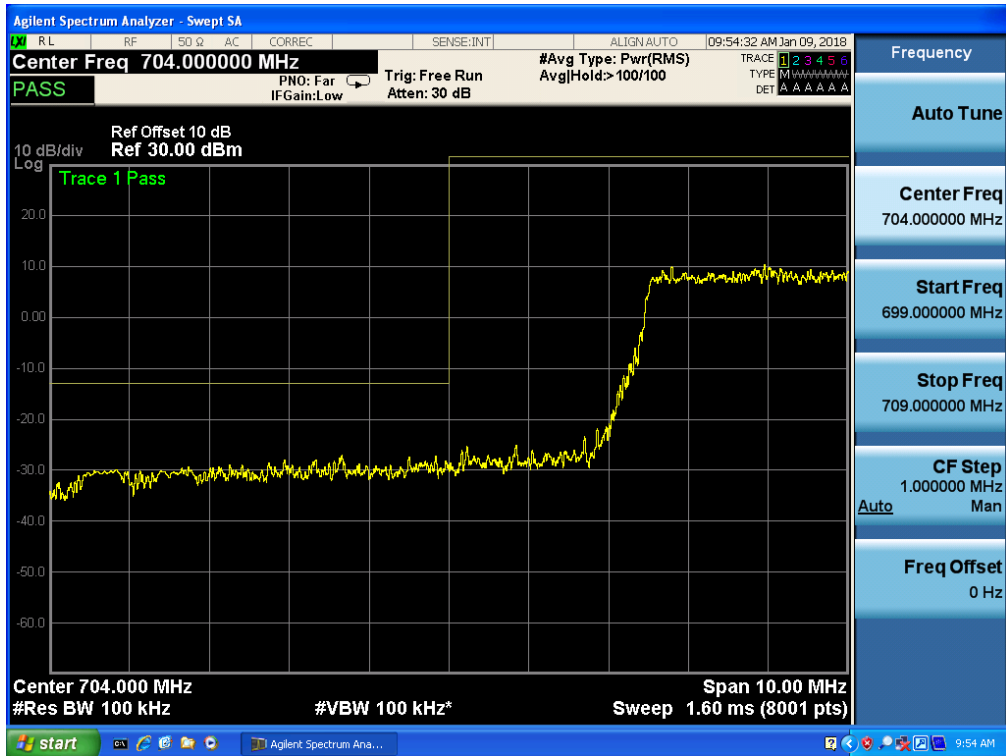


Band 17, UL Channel 23800, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

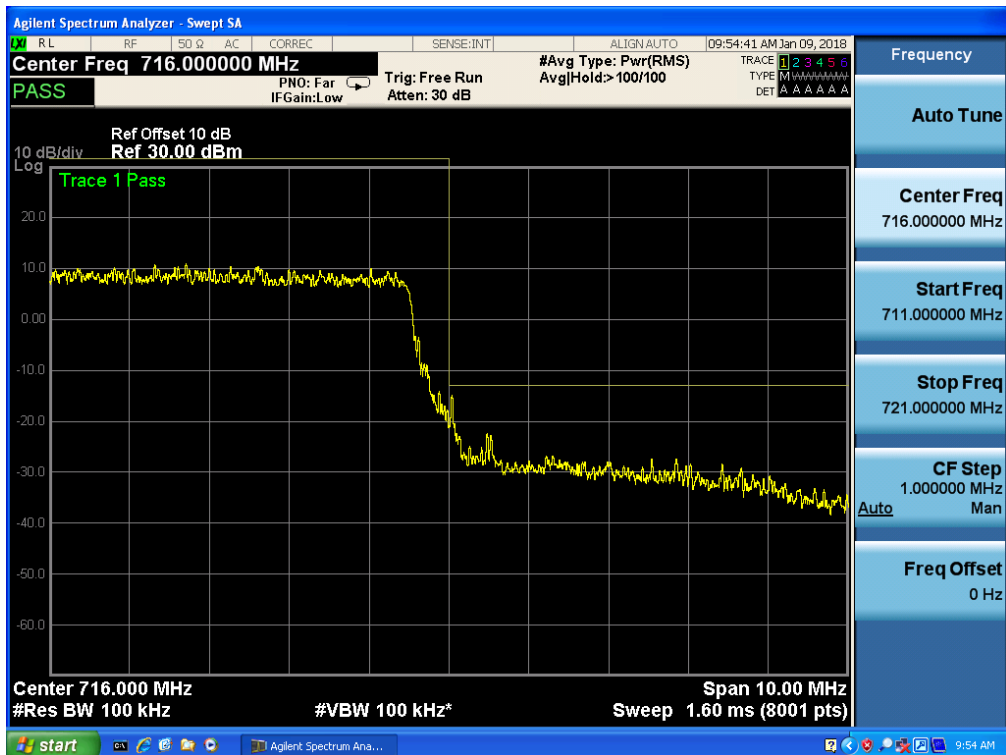




Band 17,UL Channel 23800,UL Frequency 711.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM



Band 17,UL Channel 23800,UL Frequency 711.0,BW 10.0,NO. RB 50,RB POS. Low,16-QAM





7. 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 17

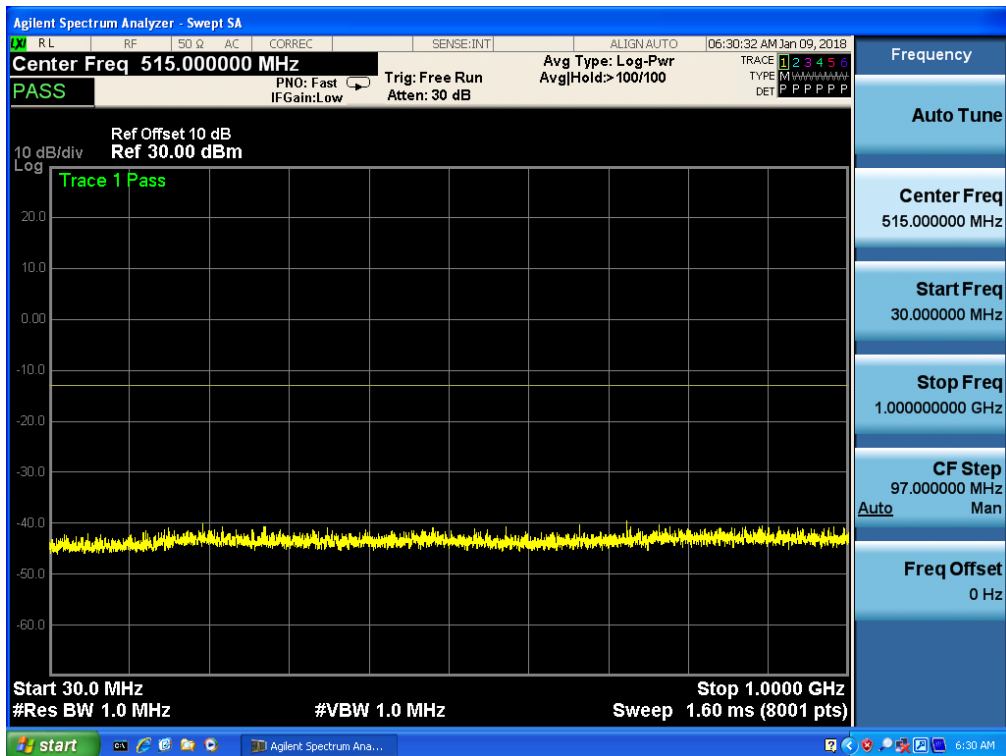
7.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.



7.1 LTE BAND 2

Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK

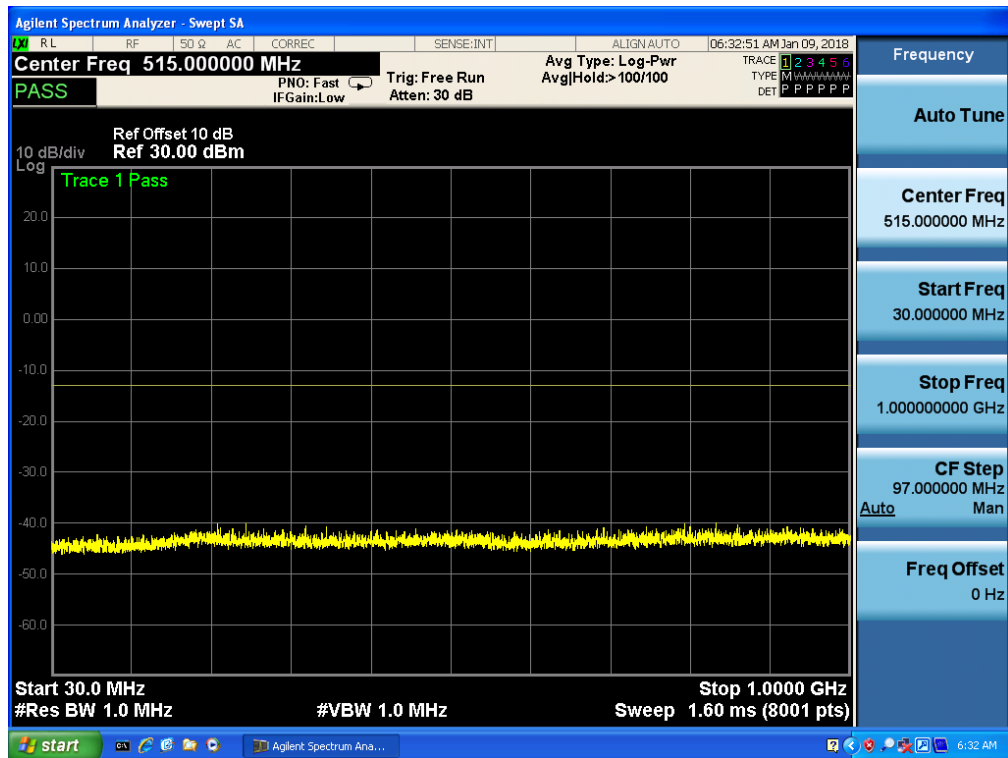


Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK

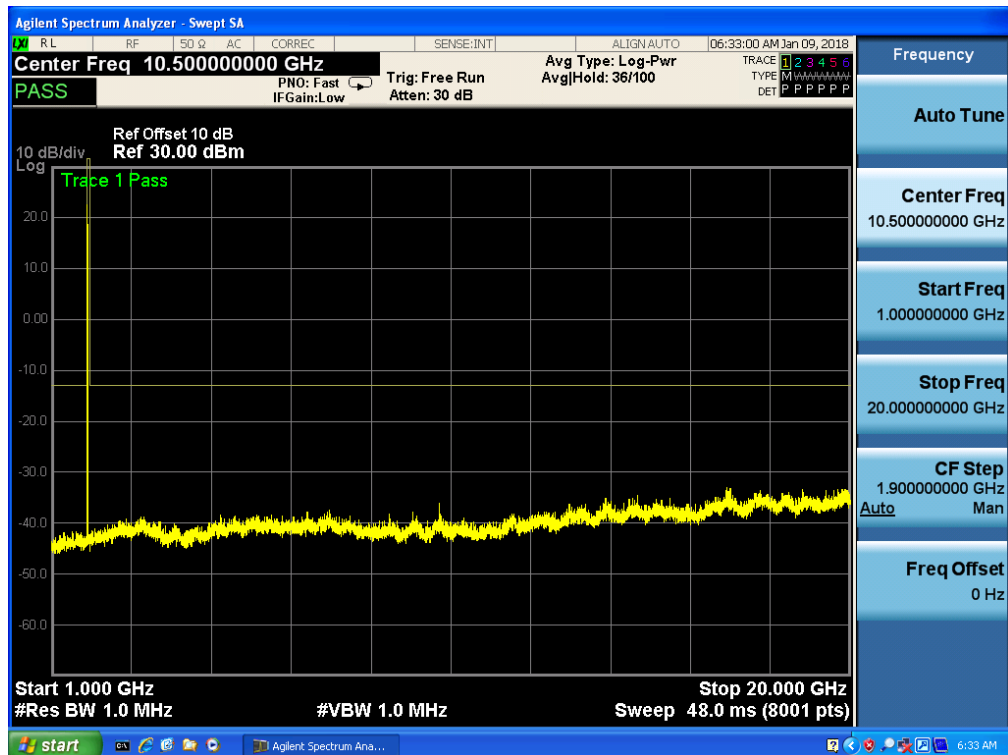




Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, 16QAM

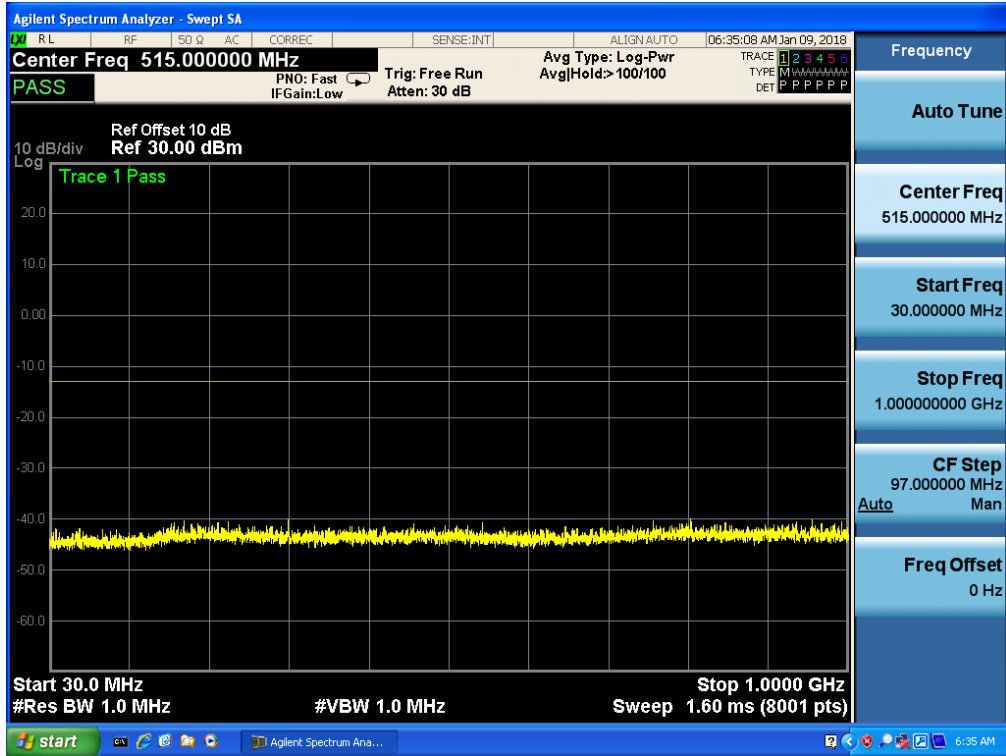


Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, 16QAM

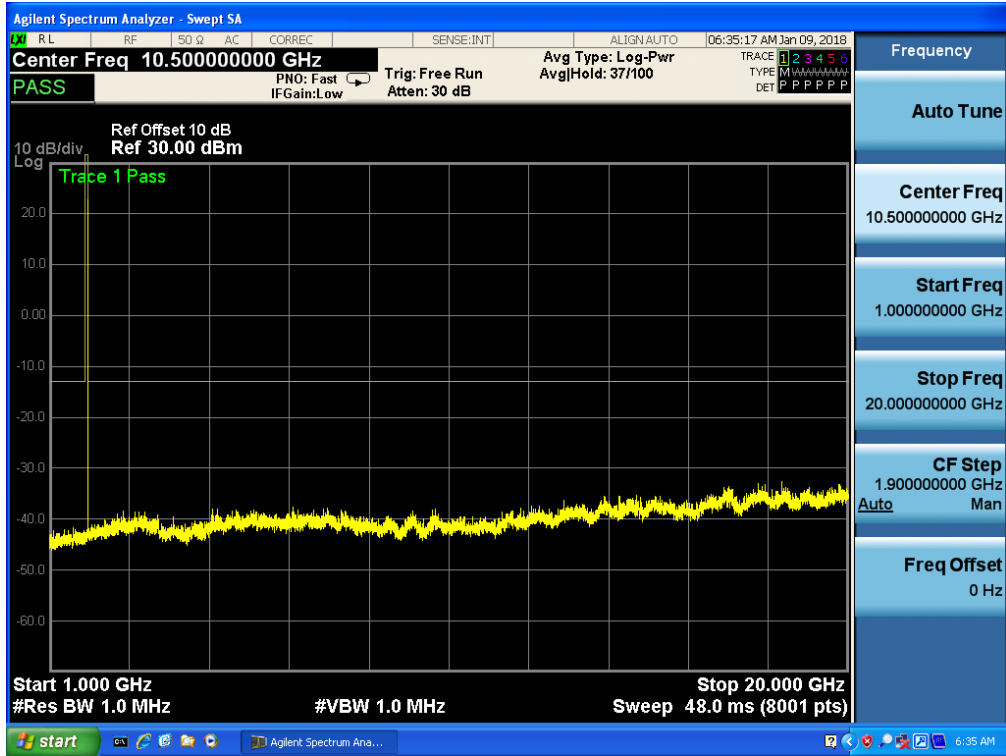




Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK

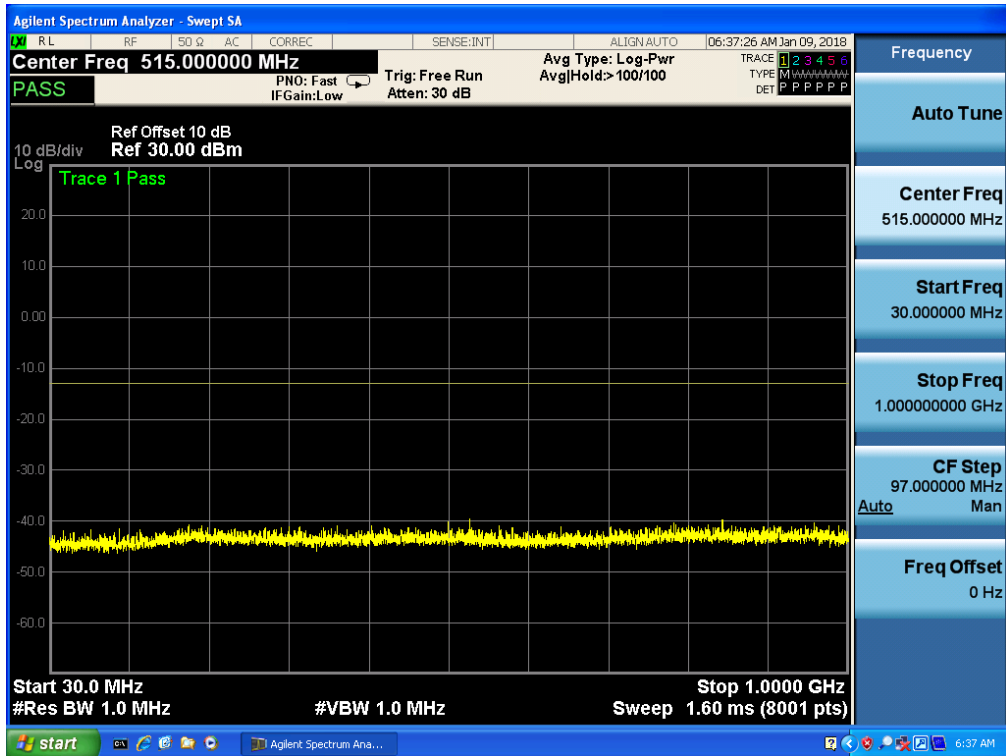


Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK

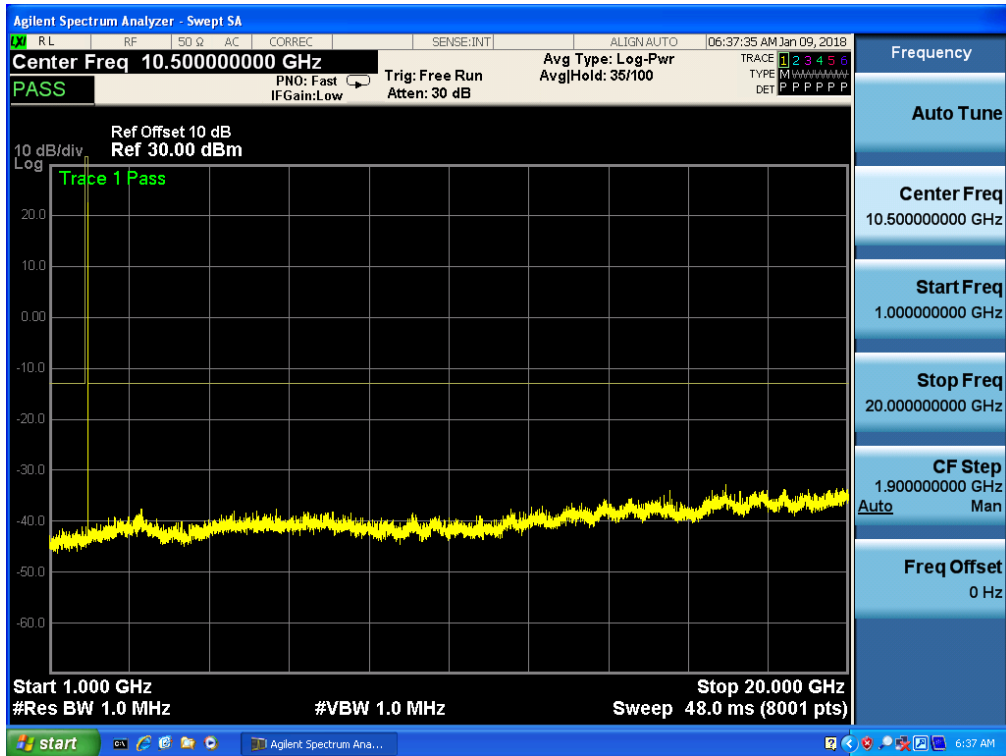




Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, 16QAM

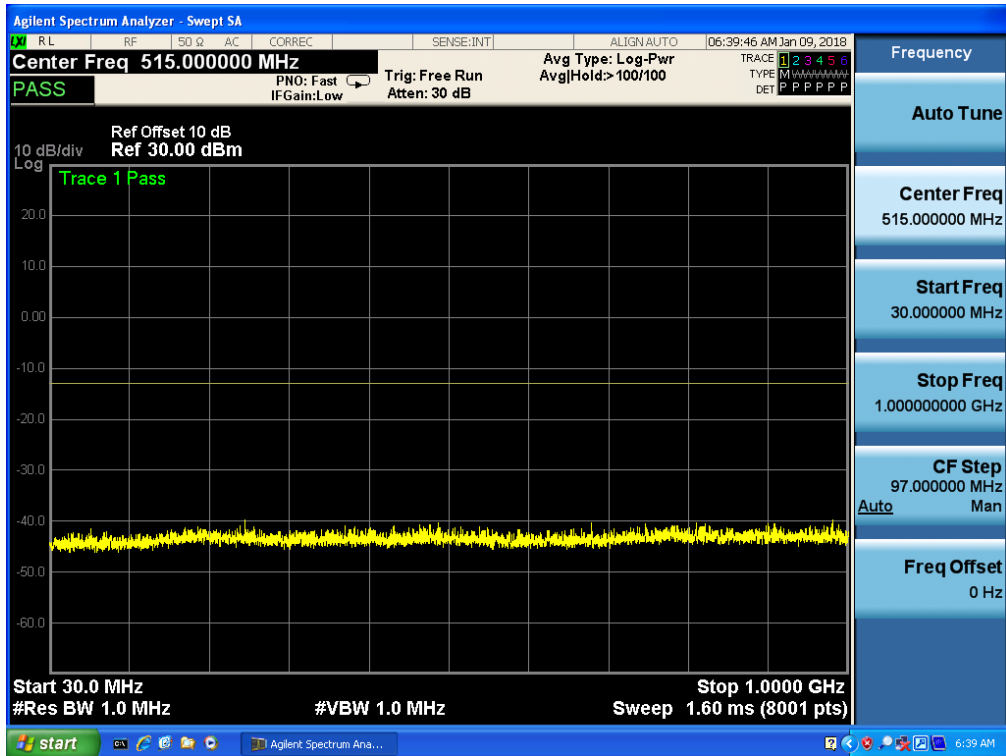


Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, 16QAM

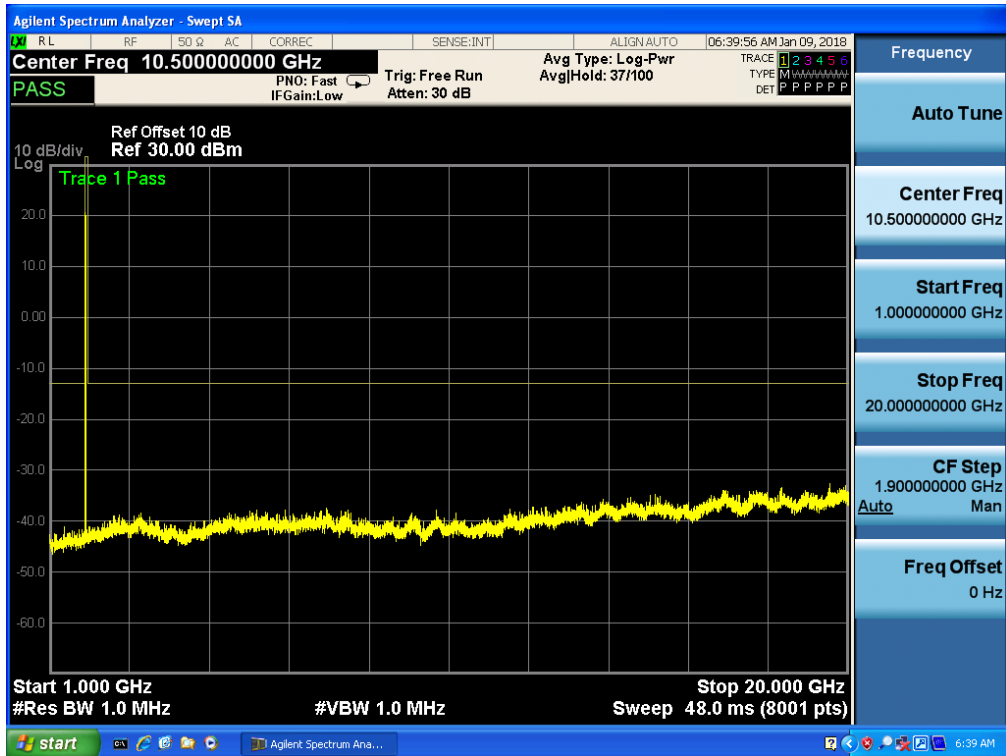




Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

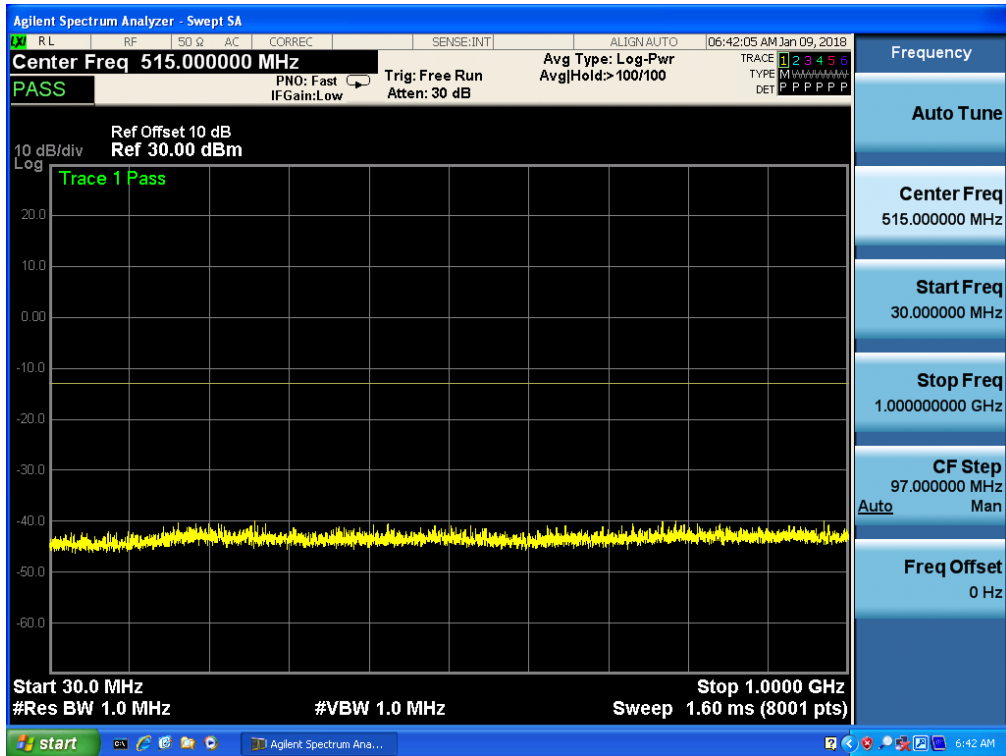


Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

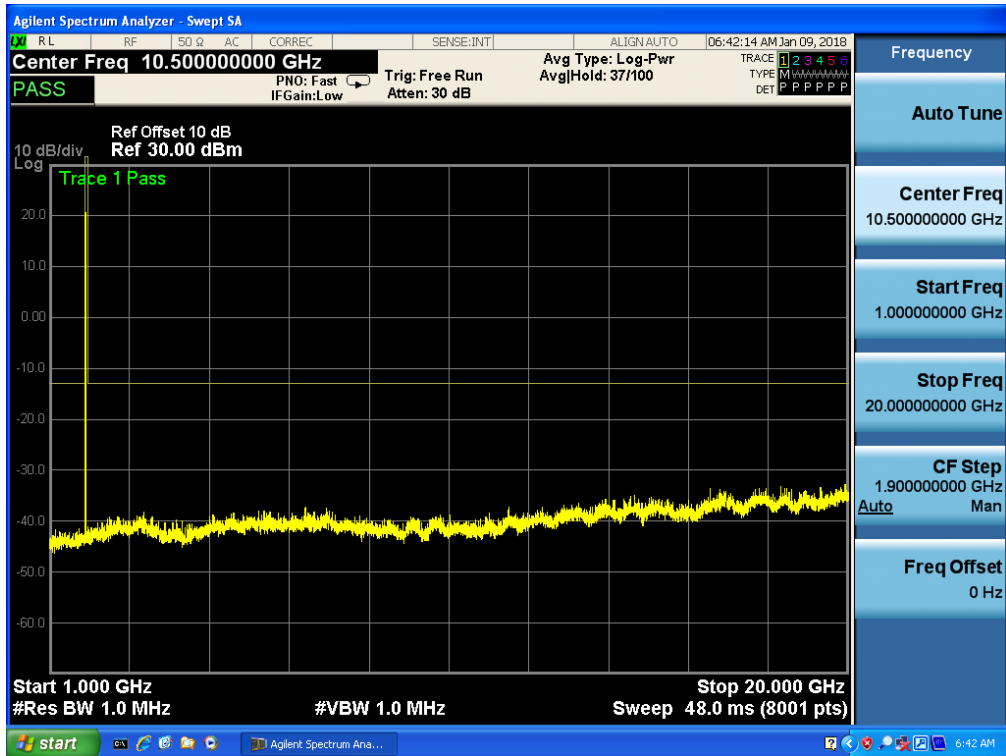




Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM

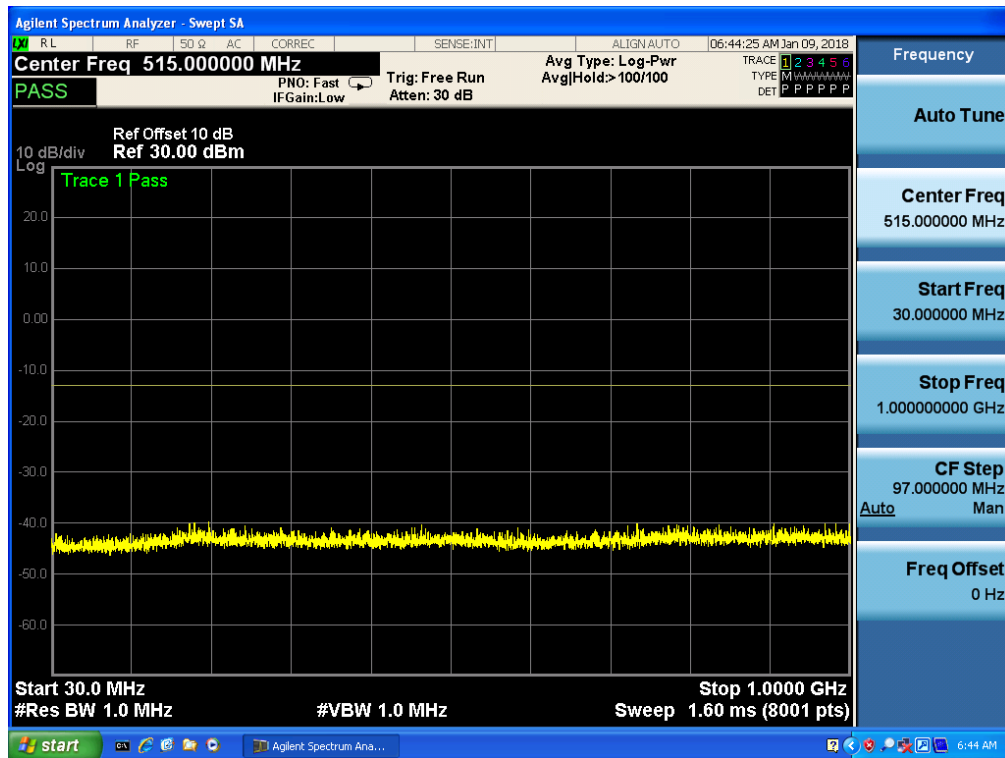


Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM

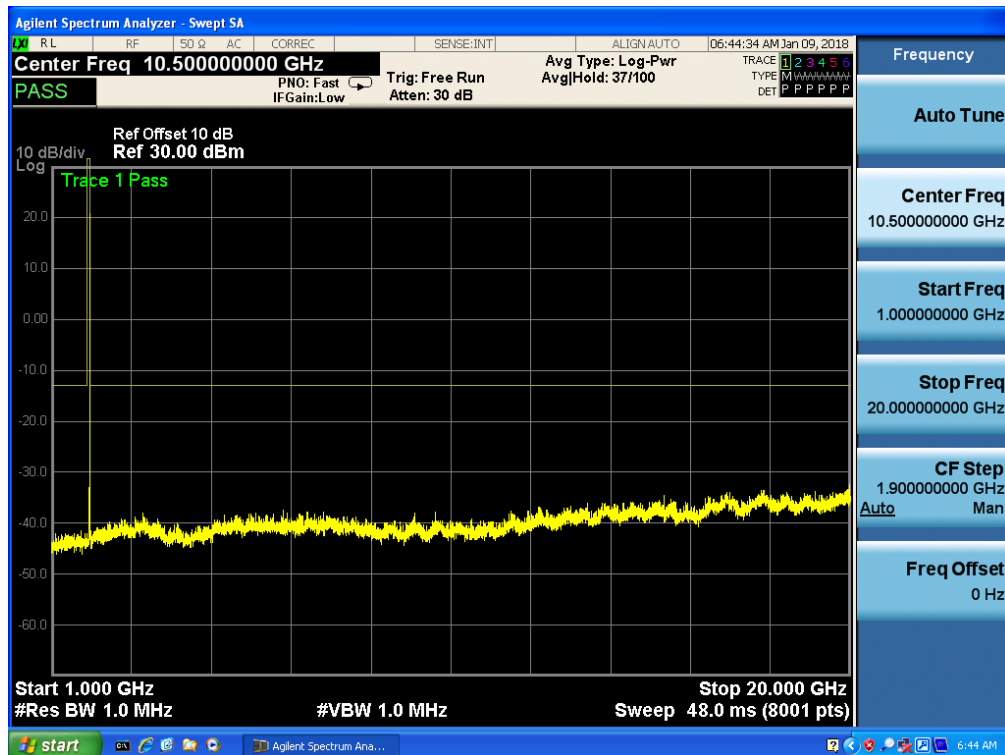




Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

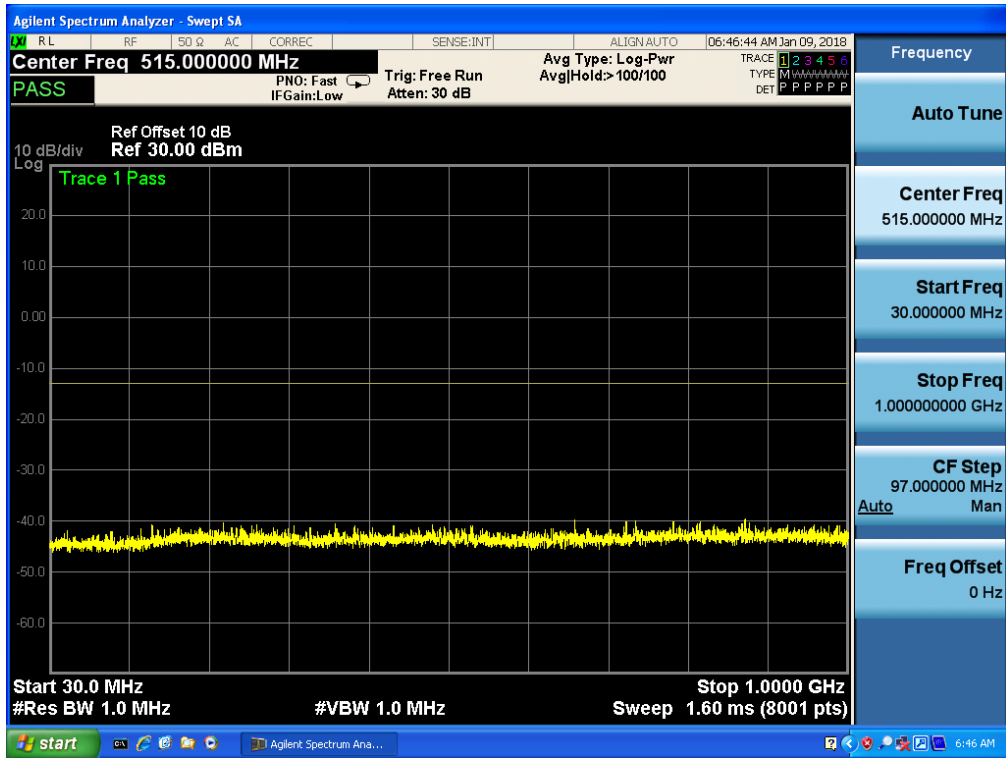


Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK

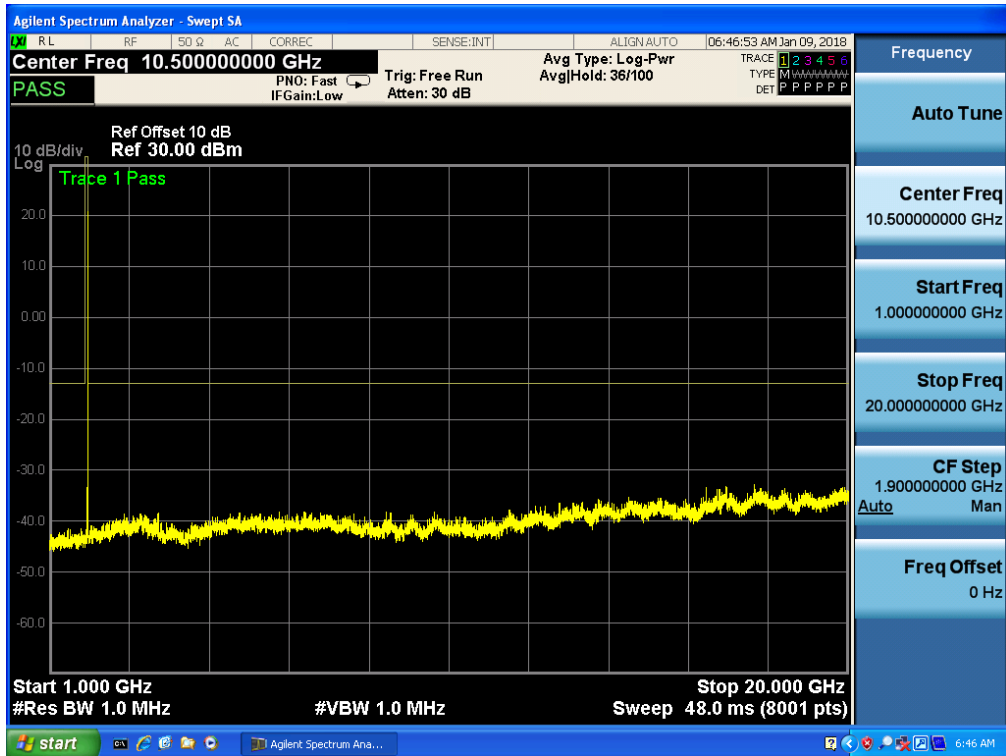




Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM

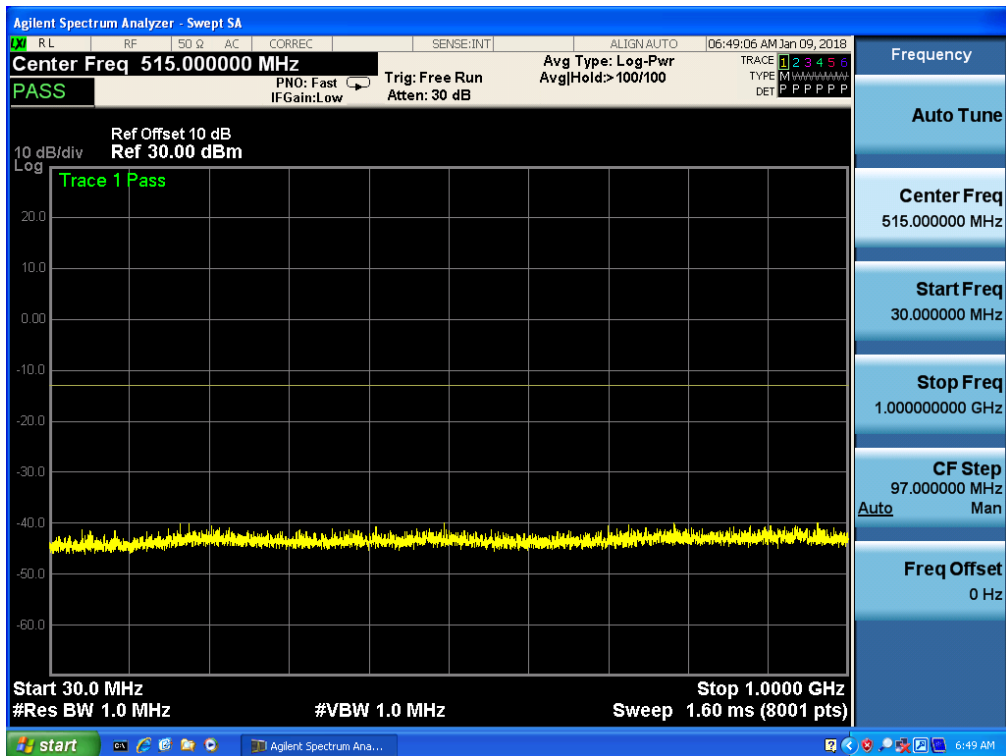


Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM





Band 2, UL Channel 18625, UL Frequency 1852.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

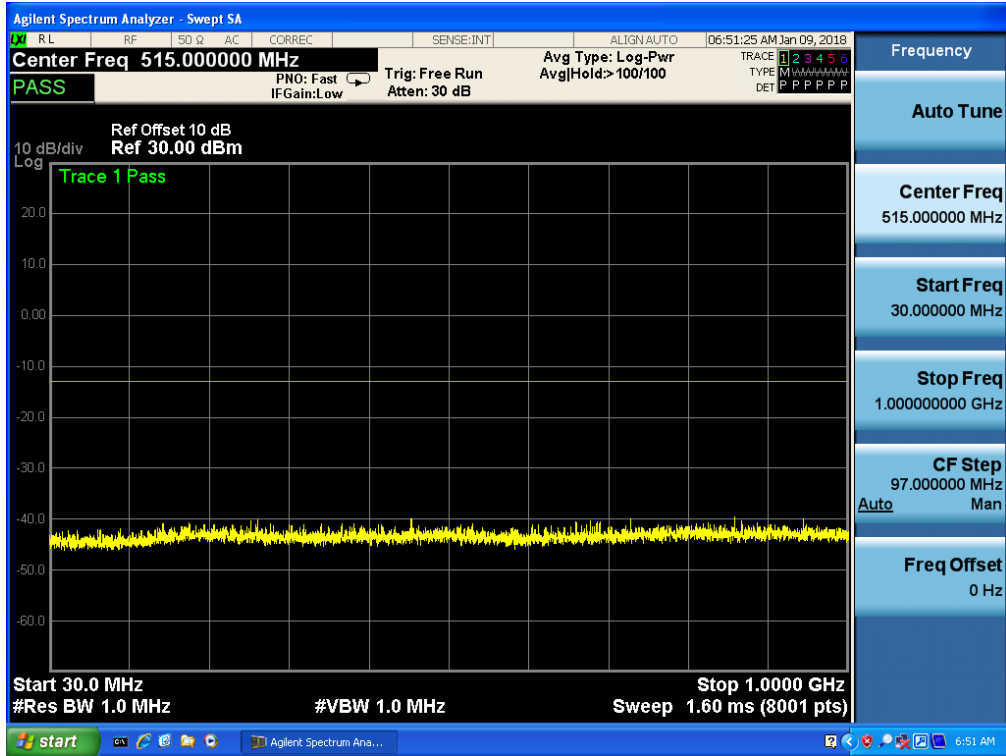


Band 2, UL Channel 18625, UL Frequency 1852.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

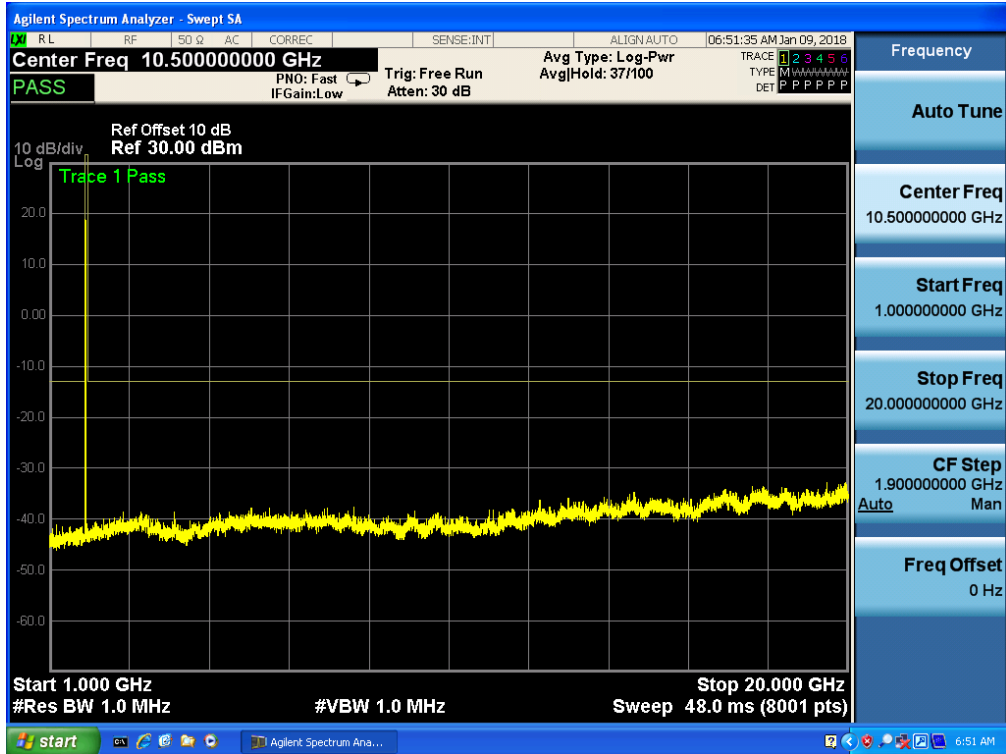




Band 2, UL Channel 18625, UL Frequency 1852.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM

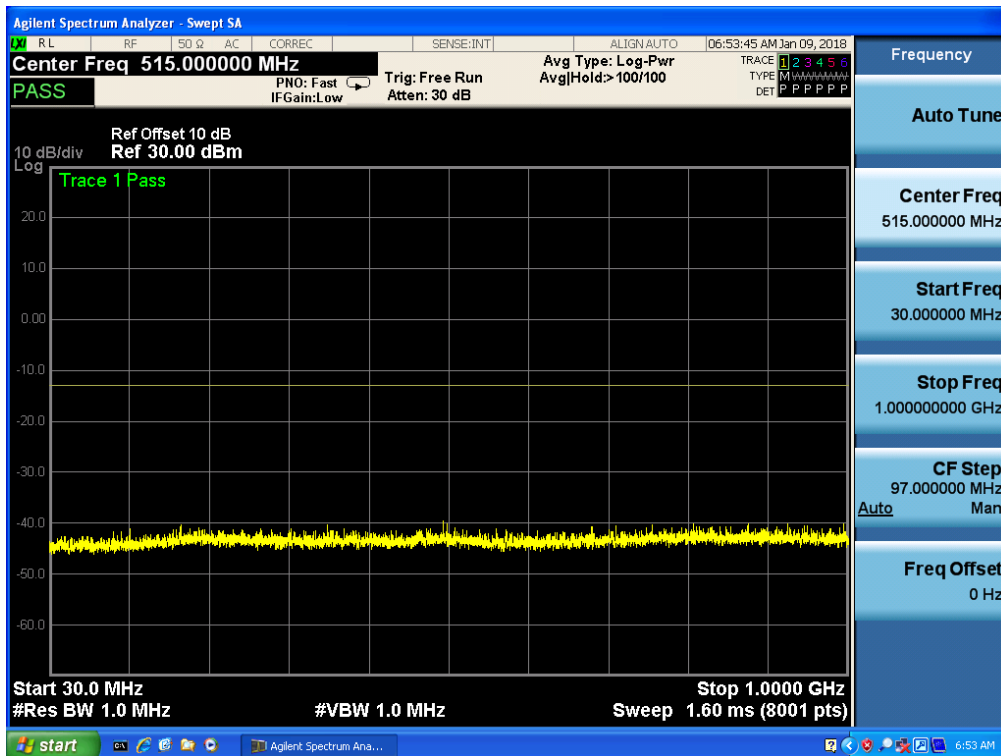


Band 2, UL Channel 18625, UL Frequency 1852.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM





Band 2, UL Channel 19175, UL Frequency 1907.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

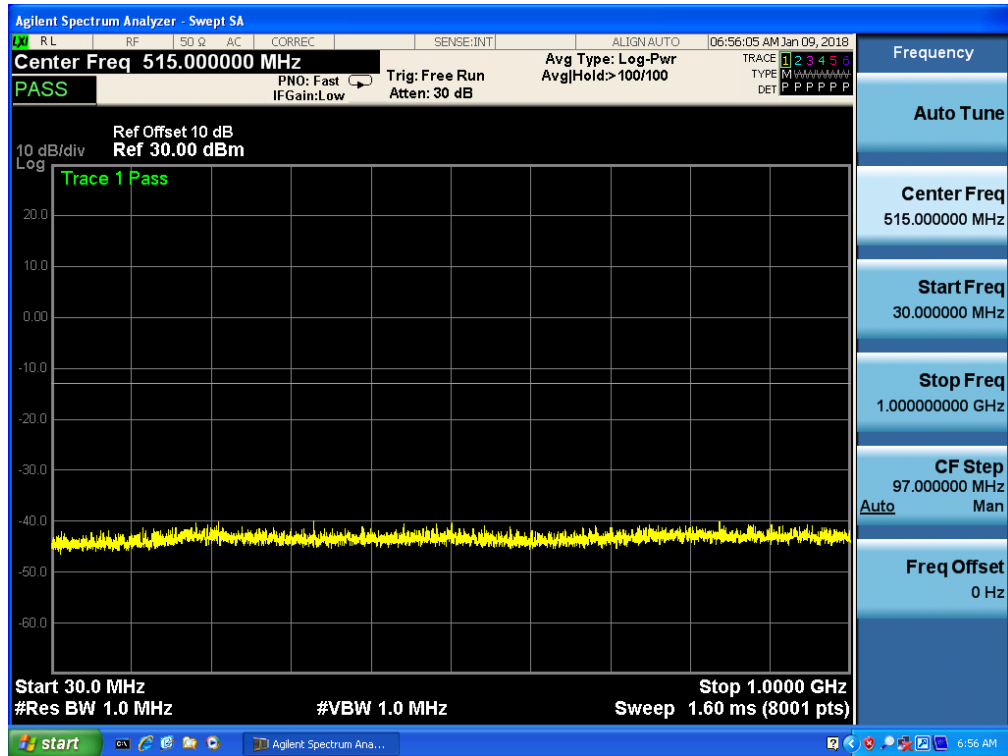


Band 2, UL Channel 19175, UL Frequency 1907.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK

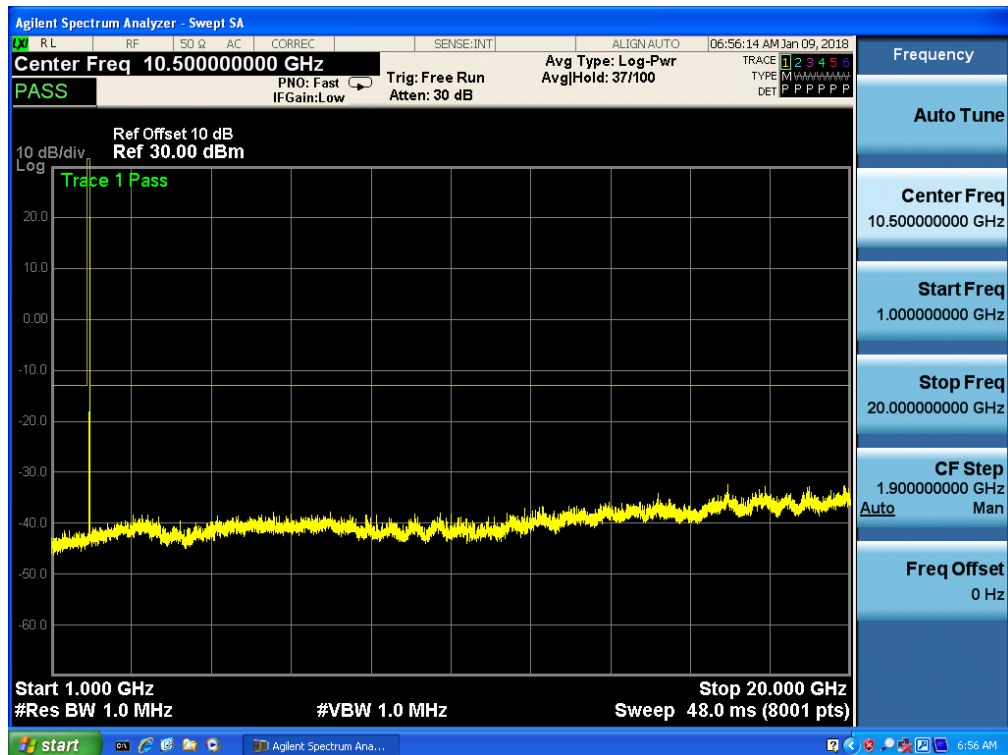




Band 2, UL Channel 19175, UL Frequency 1907.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM

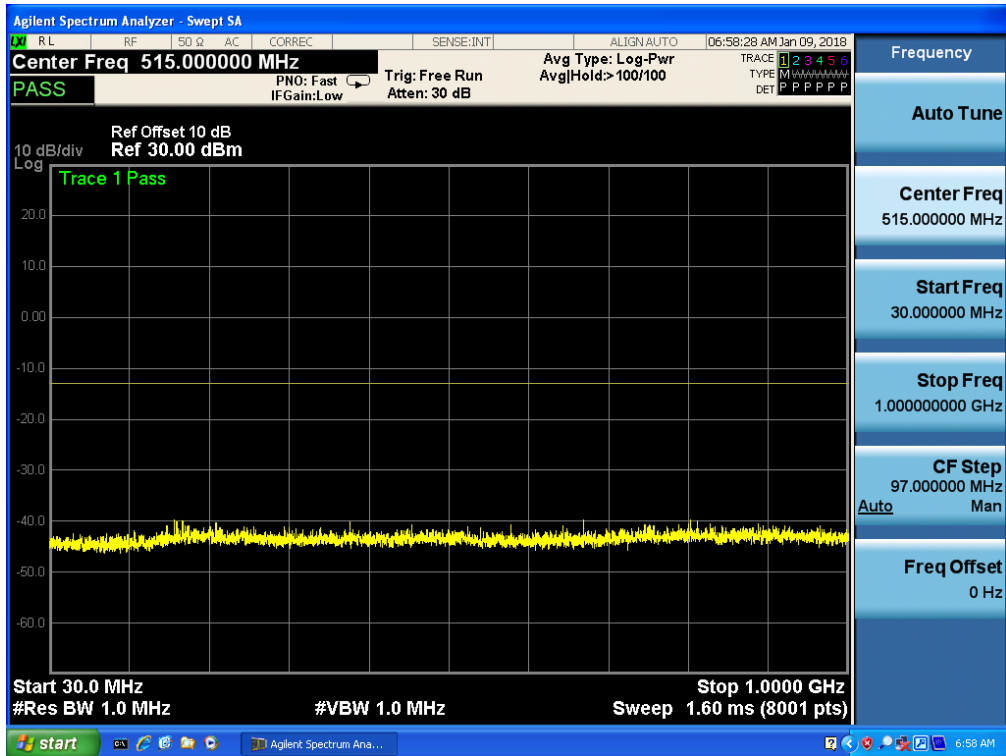


Band 2, UL Channel 19175, UL Frequency 1907.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM

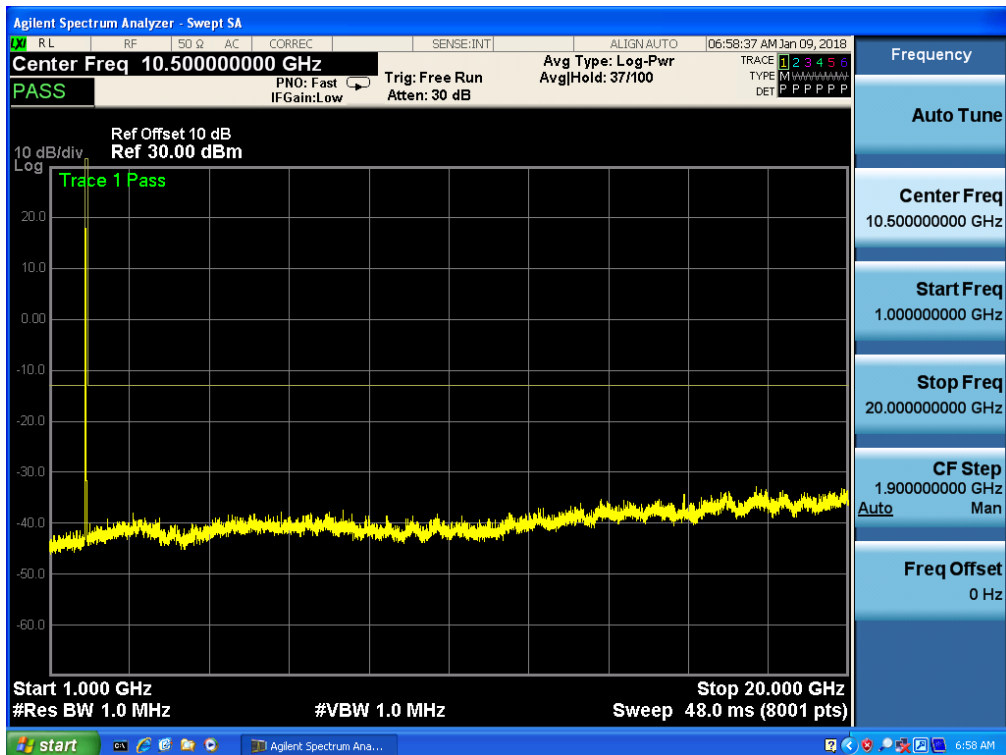




Band 2, UL Channel 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

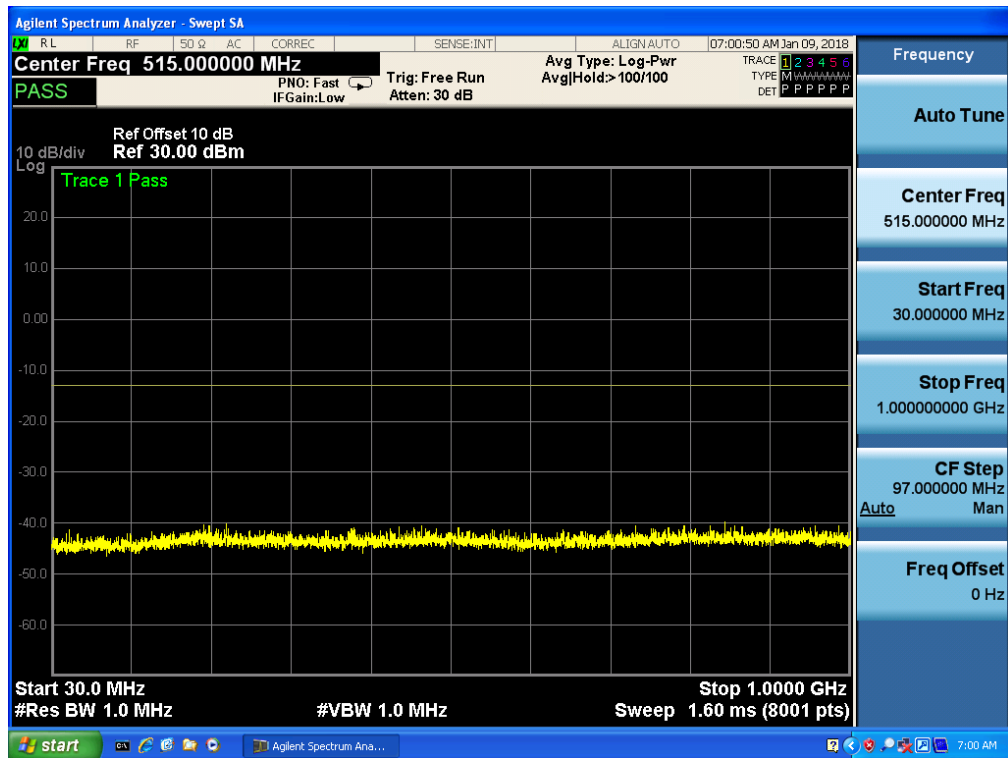


Band 2, UL Channel 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

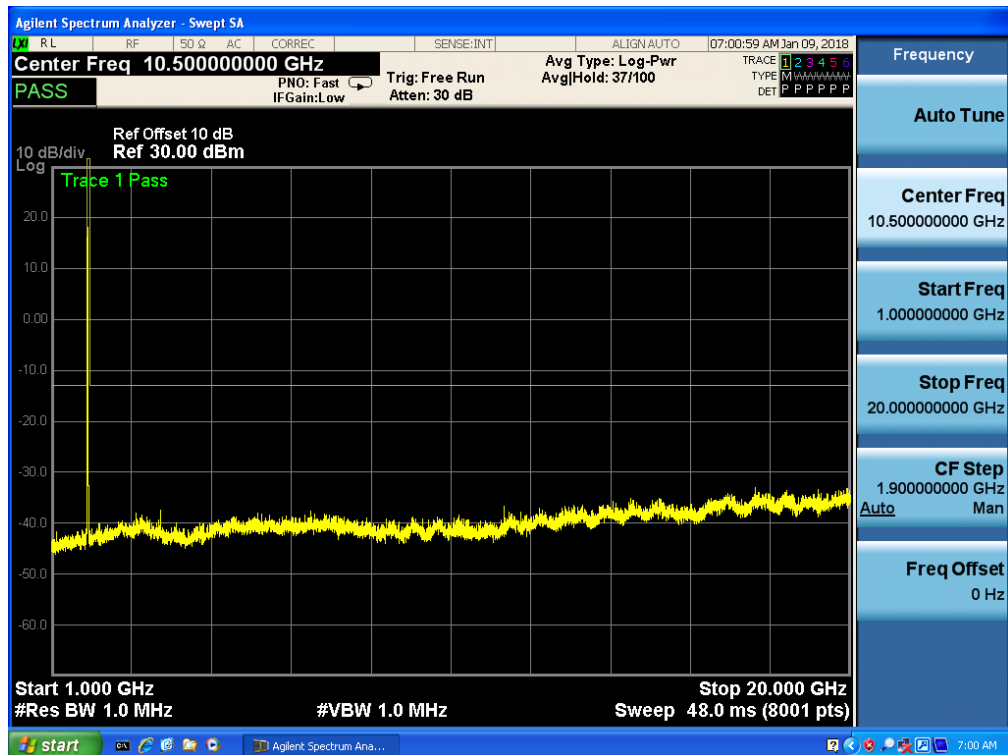




Band 2, UL Channel 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM

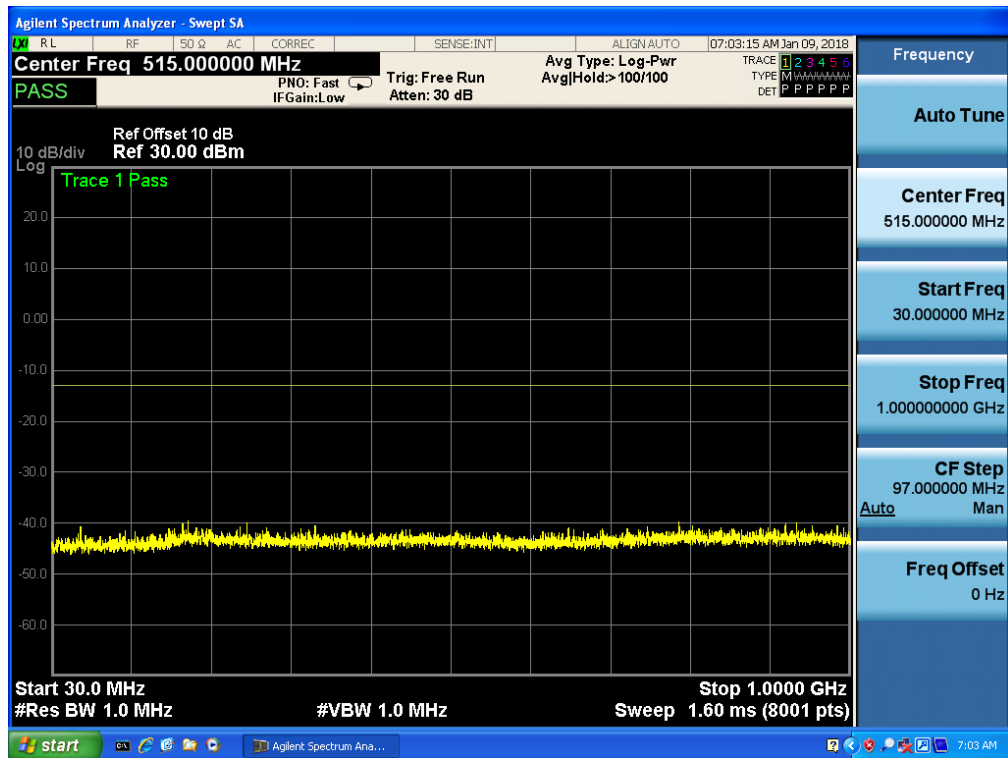


Band 2, UL Channel 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM

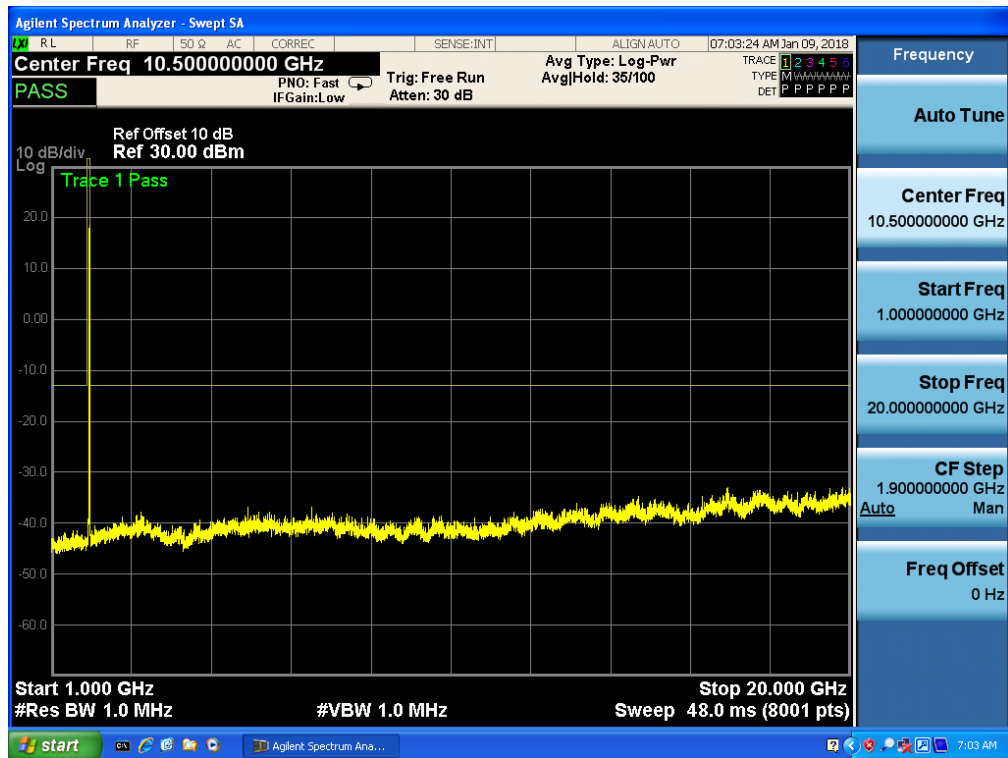




Band 2, UL Channel 19150, UL Frequency 1905.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

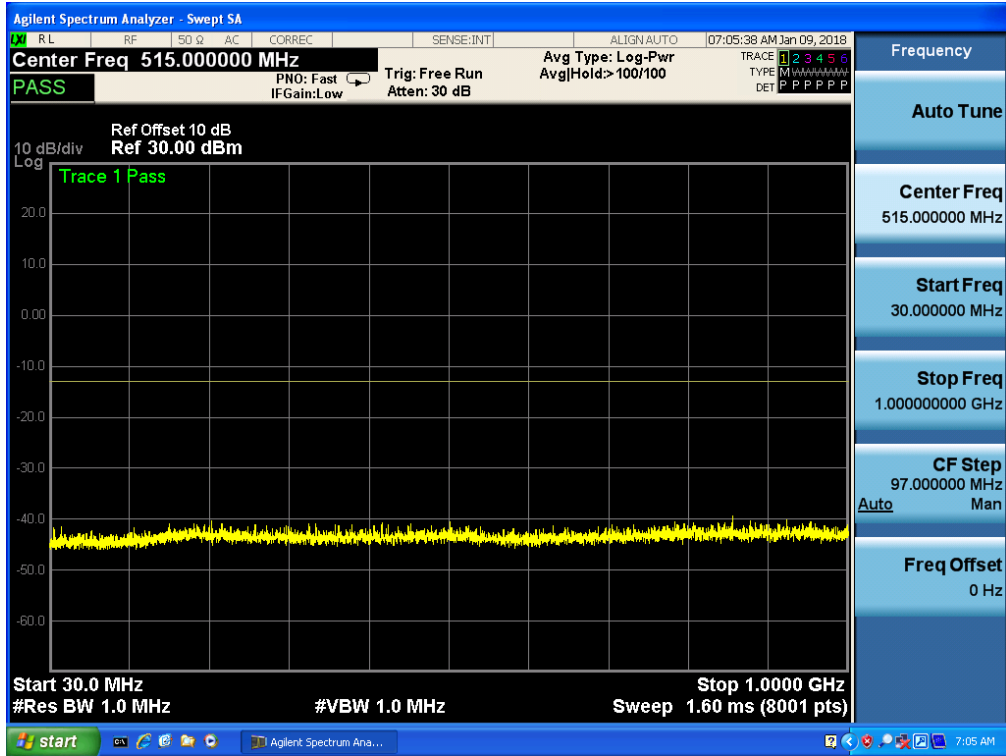


Band 2, UL Channel 19150, UL Frequency 1905.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK

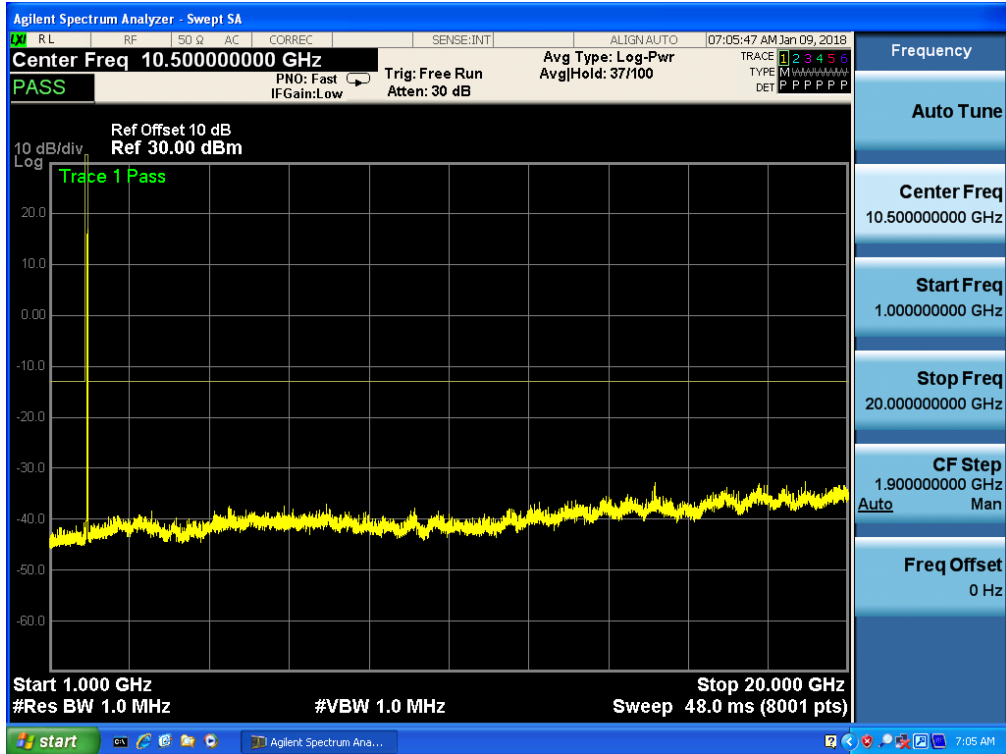




Band 2, UL Channel 19150, UL Frequency 1905.0, BW 10.0, NO. RB 1, RB POS. Low, 16QAM

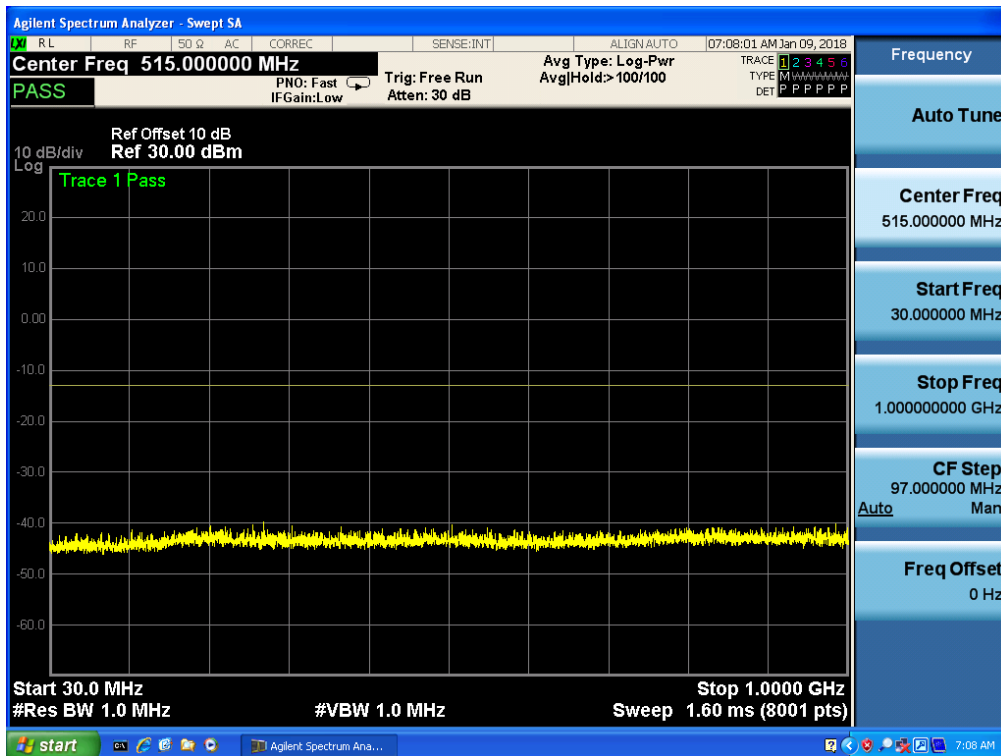


Band 2, UL Channel 19150, UL Frequency 1905.0, BW 10.0, NO. RB 1, RB POS. Low, 16QAM

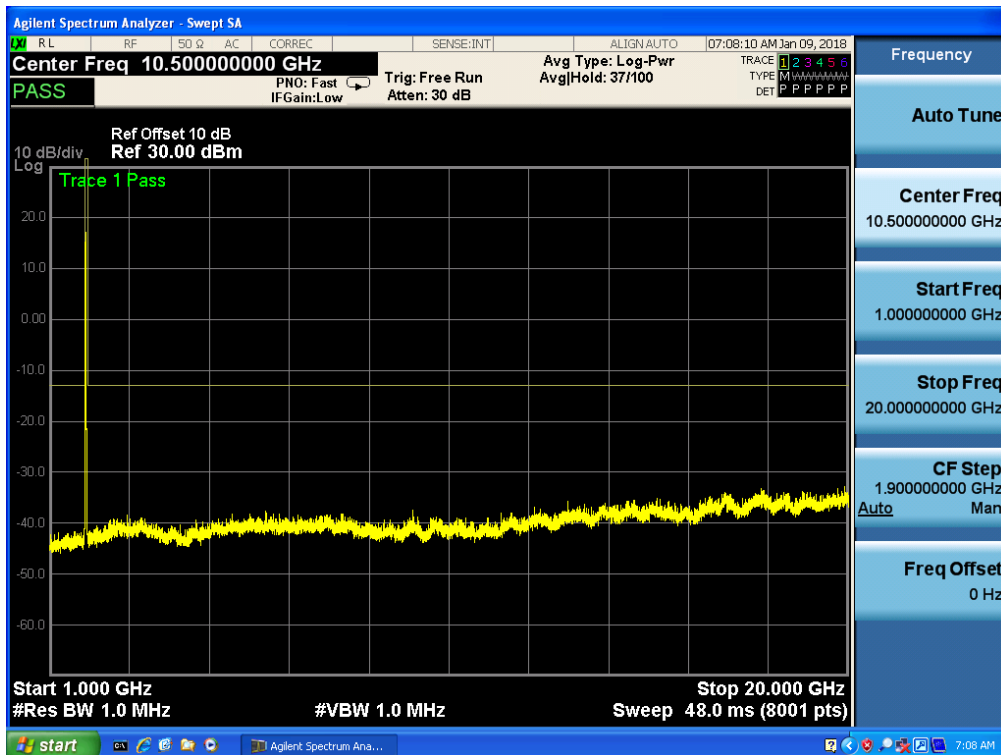




Band 2, UL Channel 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK

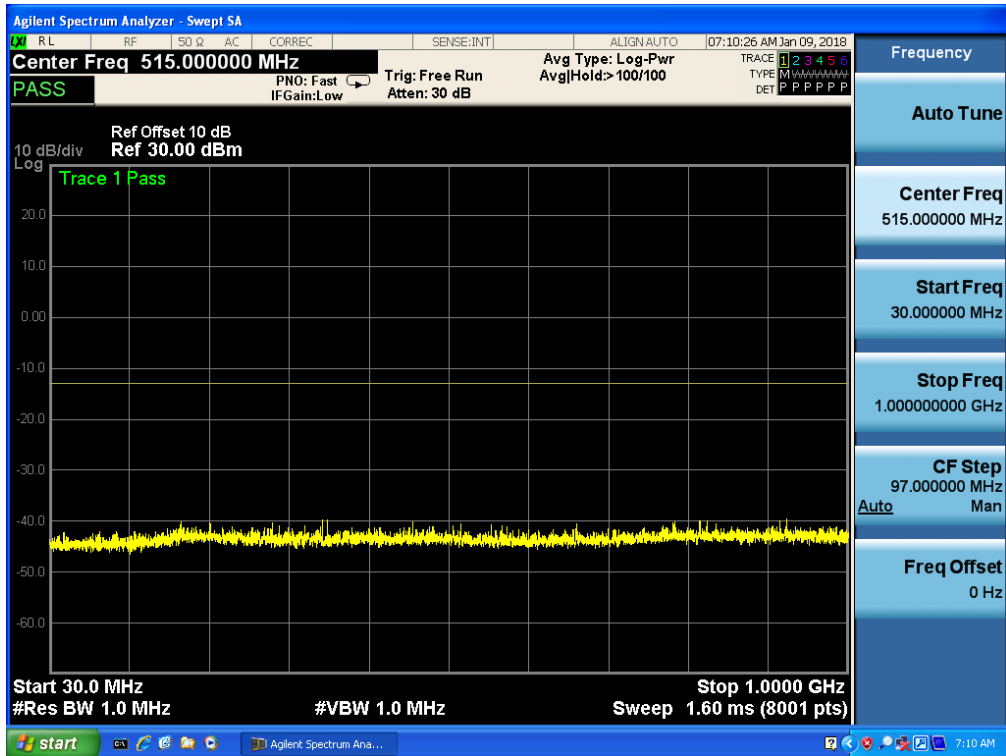


Band 2, UL Channel 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK

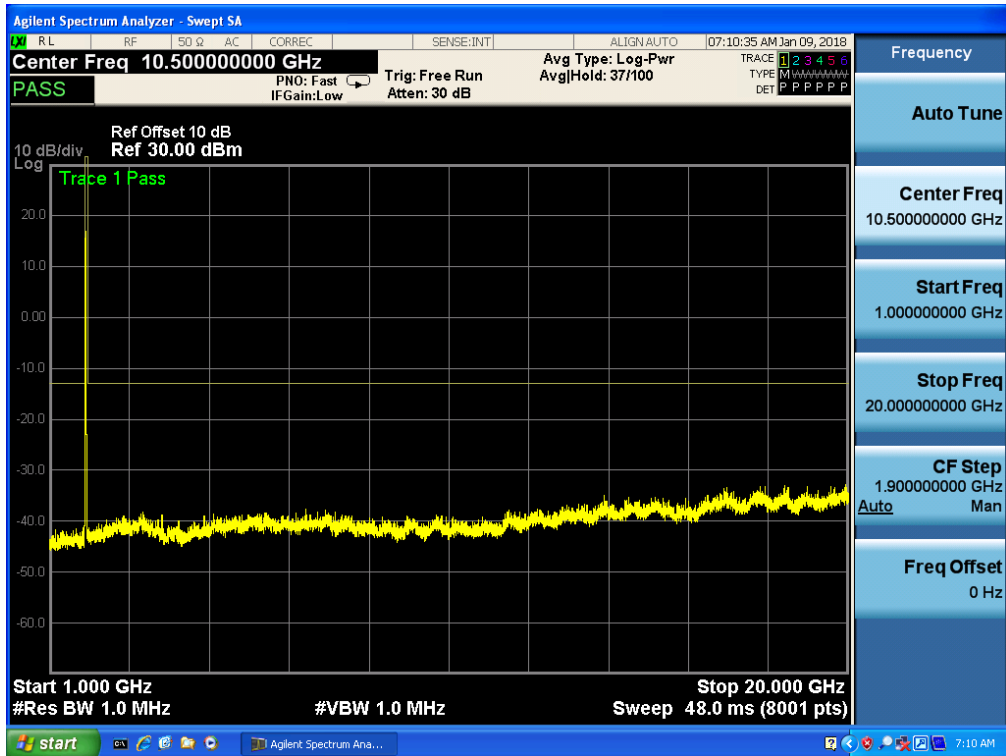




Band 2, UL Channel 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM

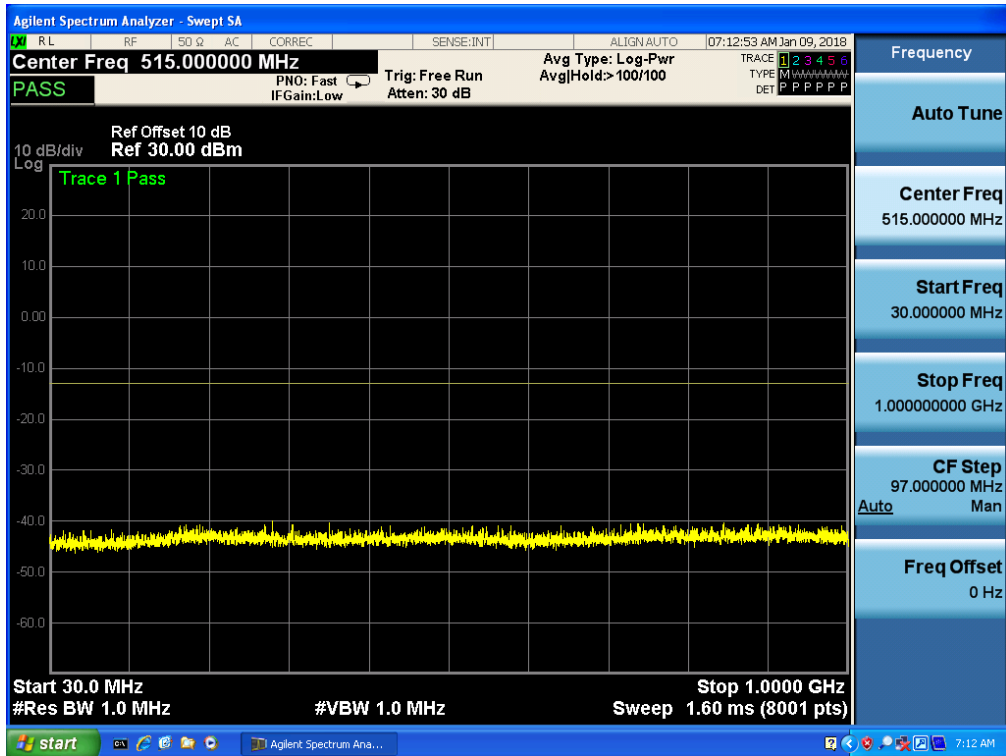


Band 2, UL Channel 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM

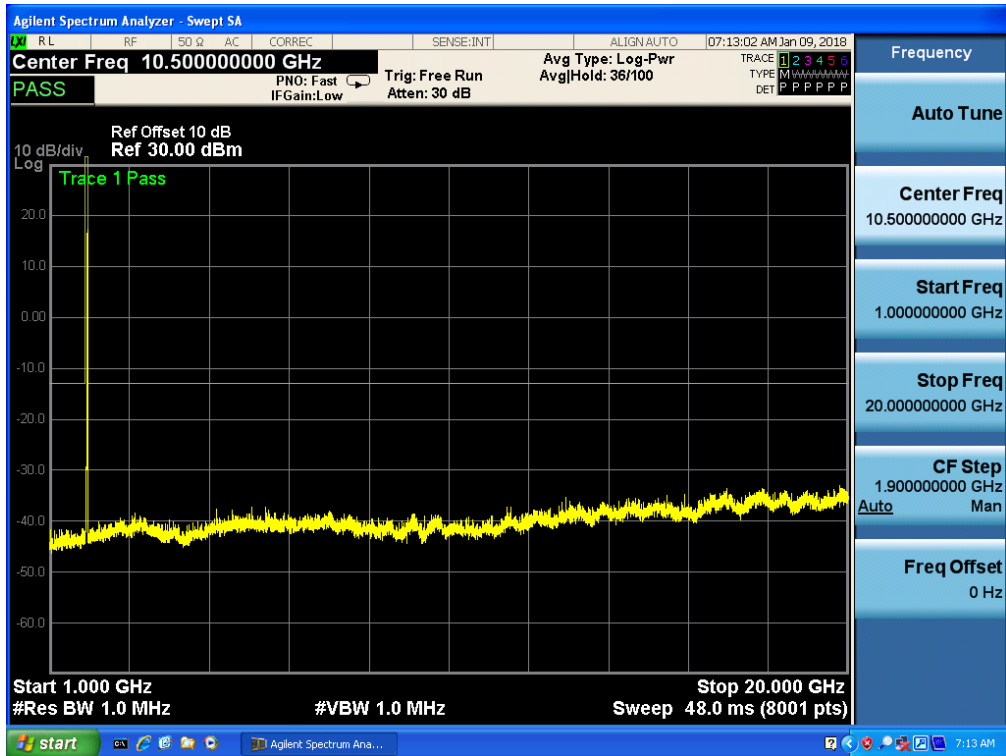




Band 2, UL Channel 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK

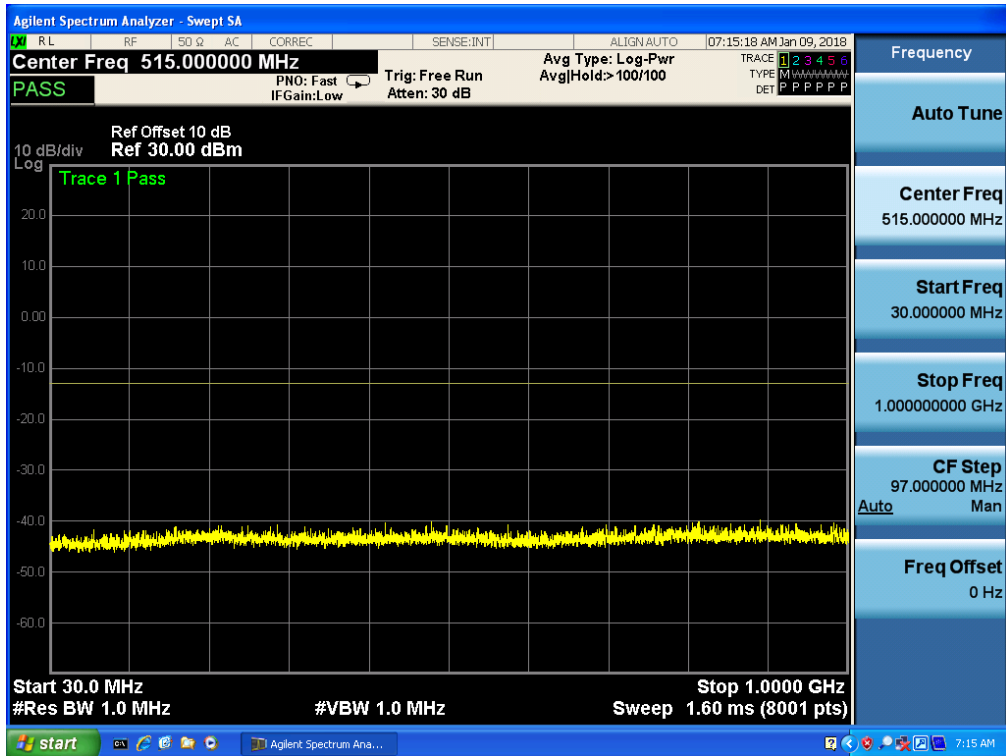


Band 2, UL Channel 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK

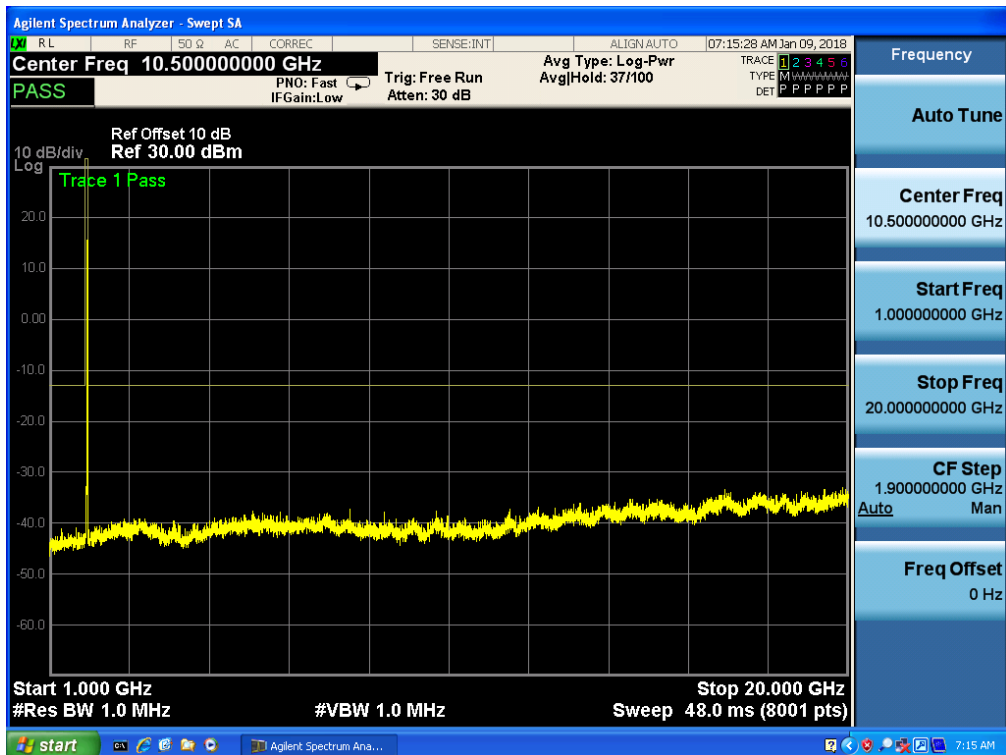




Band 2, UL Channel 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM

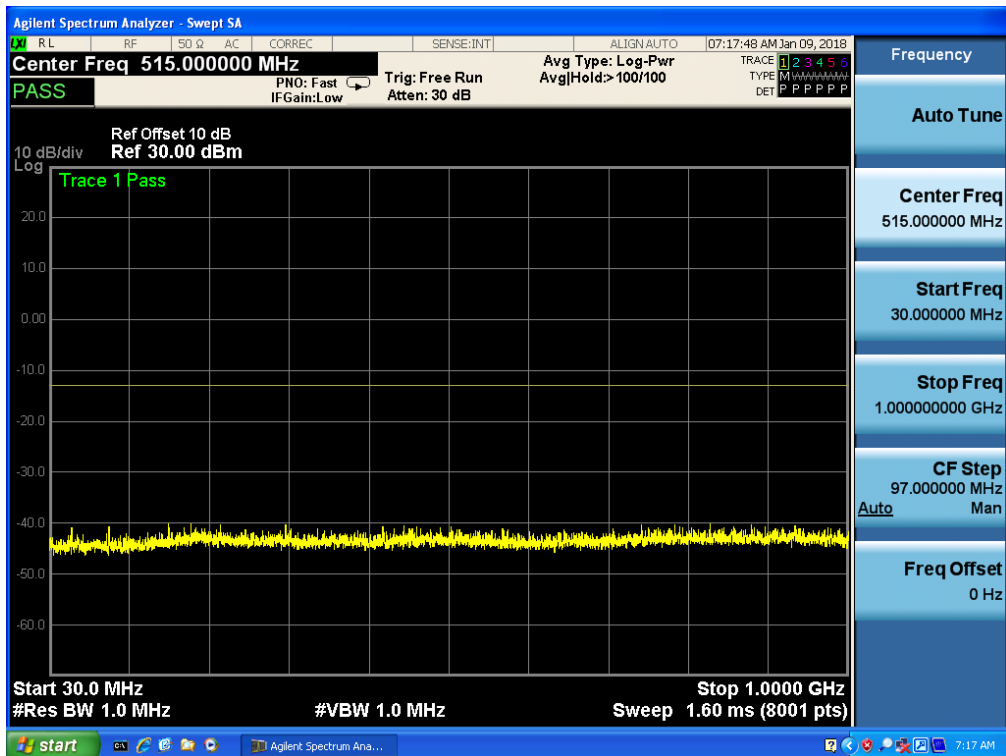


Band 2, UL Channel 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM

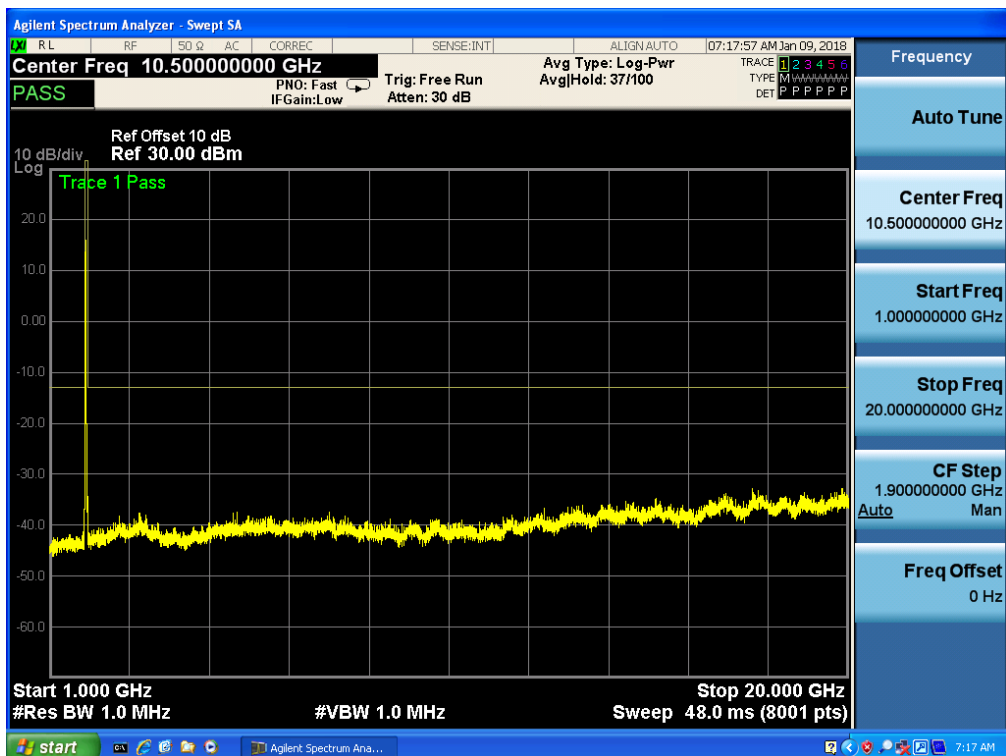




Band 2,UL Channel 18700,UL Frequency 1860.0,BW 20.0,NO. RB 100,RB POS. Low,QPSK

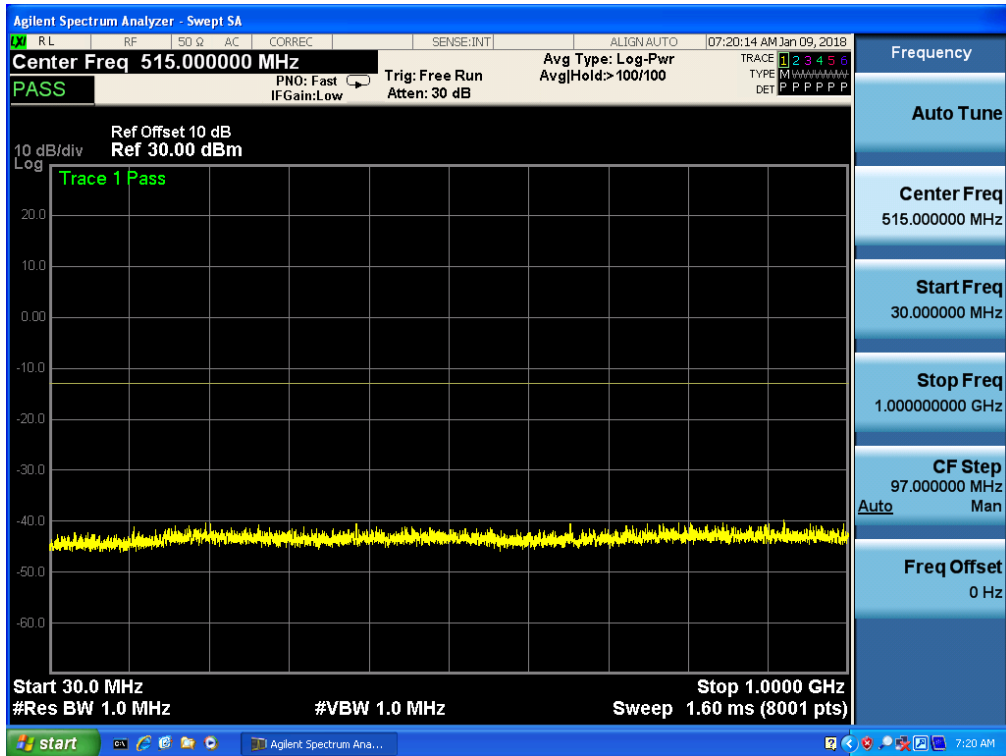


Band 2,UL Channel 18700,UL Frequency 1860.0,BW 20.0,NO. RB 100,RB POS. Low,QPSK

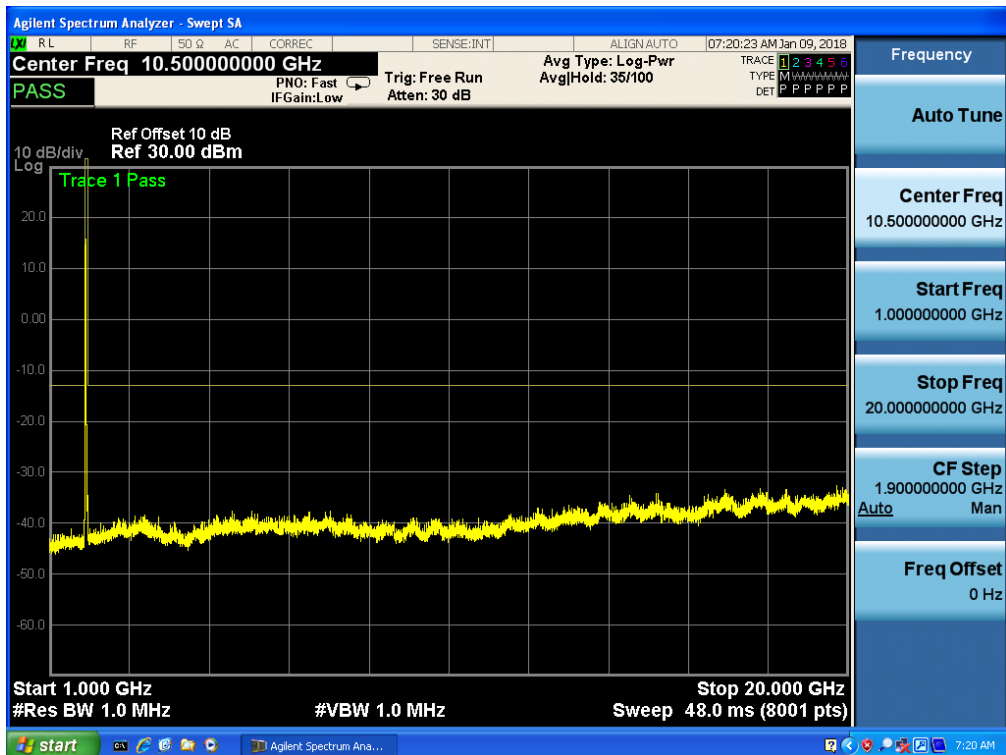




Band 2, UL Channel 18700, UL Frequency 1860.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM

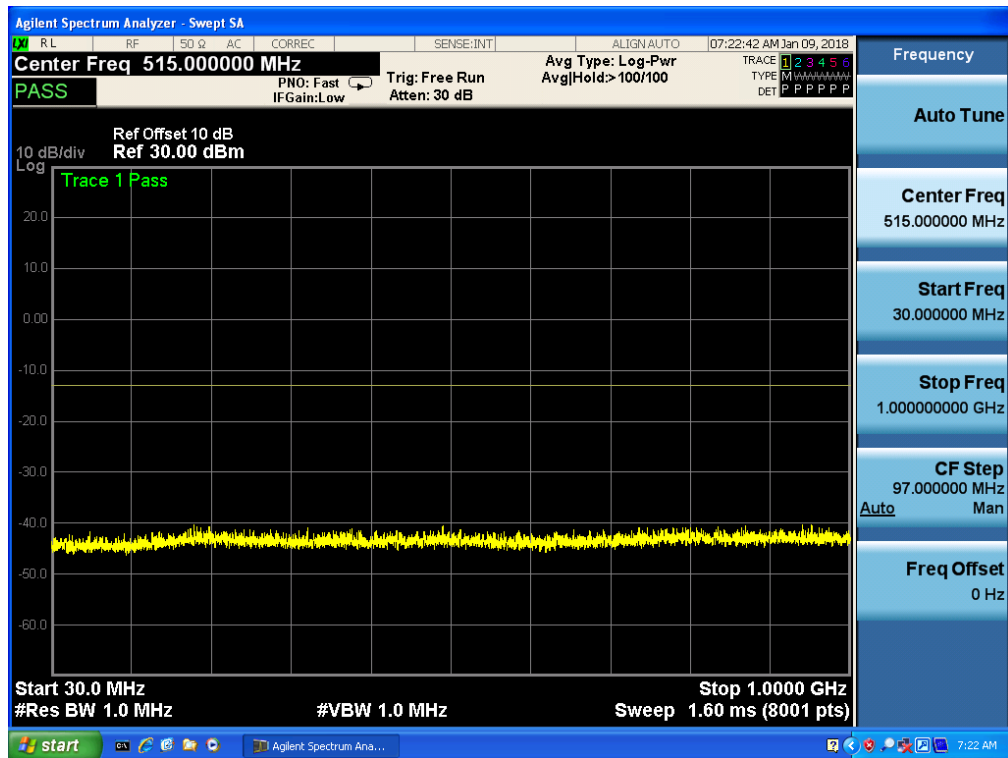


Band 2, UL Channel 18700, UL Frequency 1860.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM





Band 2, UL Channel 19100, UL Frequency 1900.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



Band 2, UL Channel 19100, UL Frequency 1900.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK

