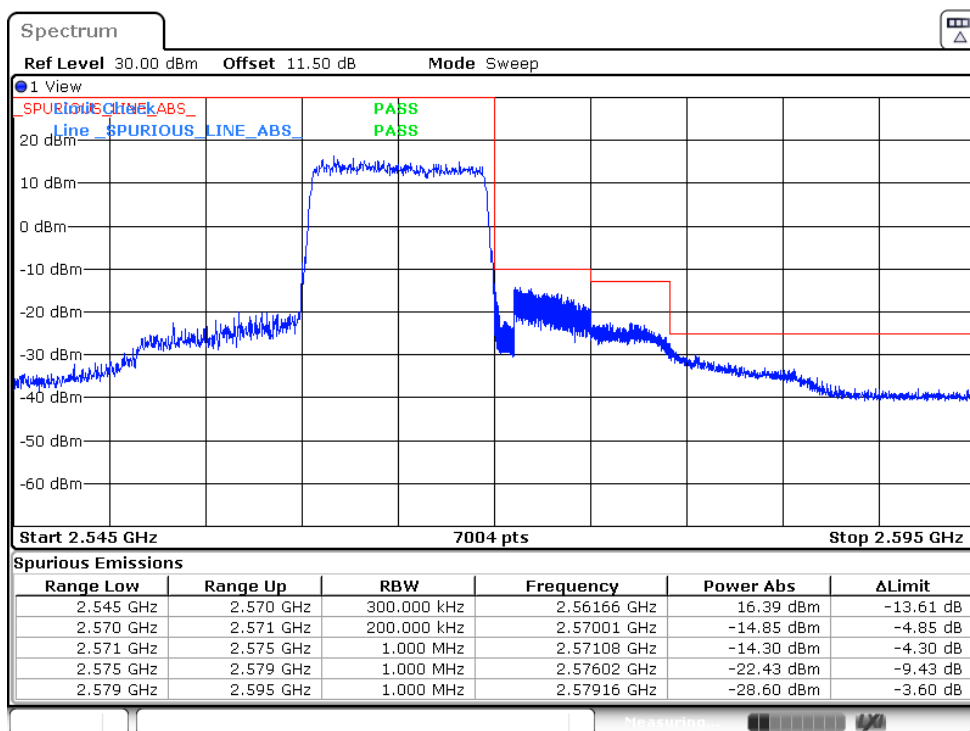
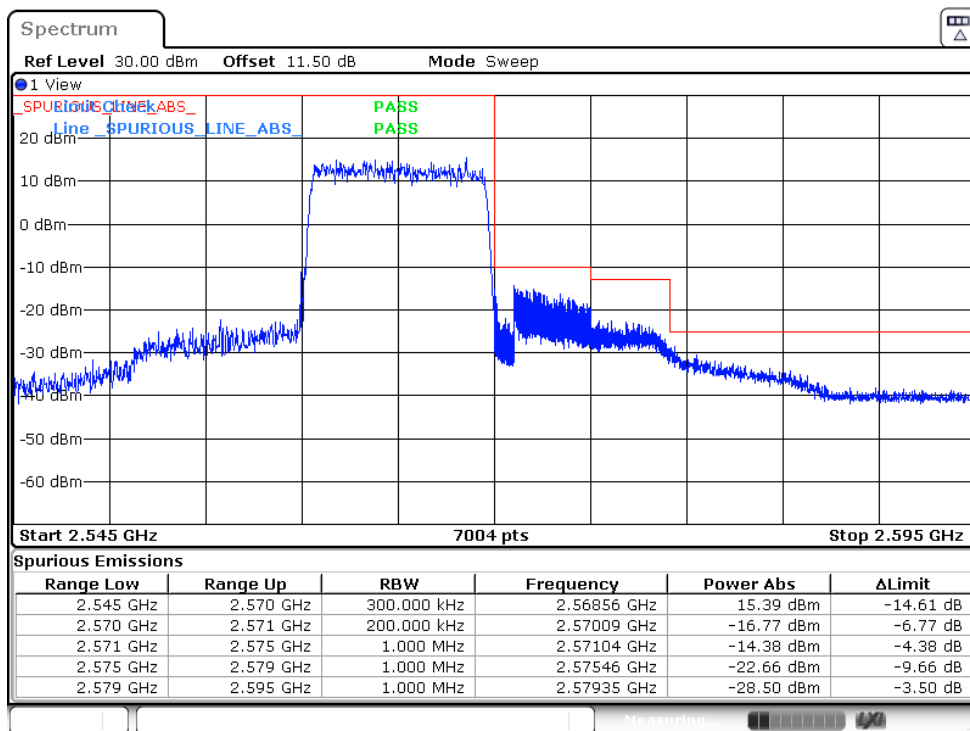


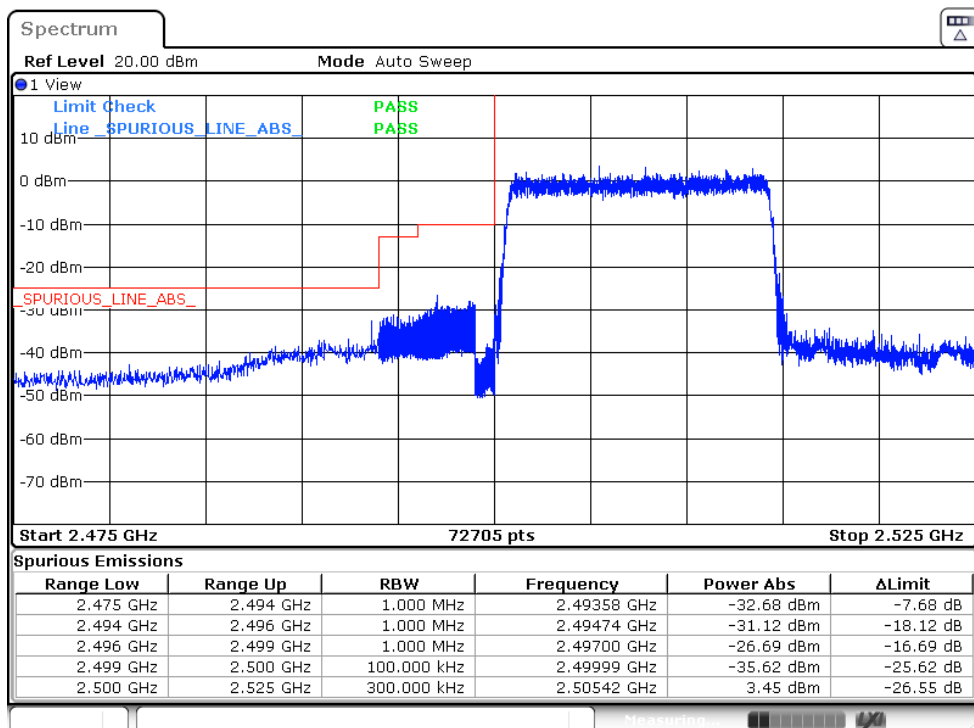
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. High, QPSK



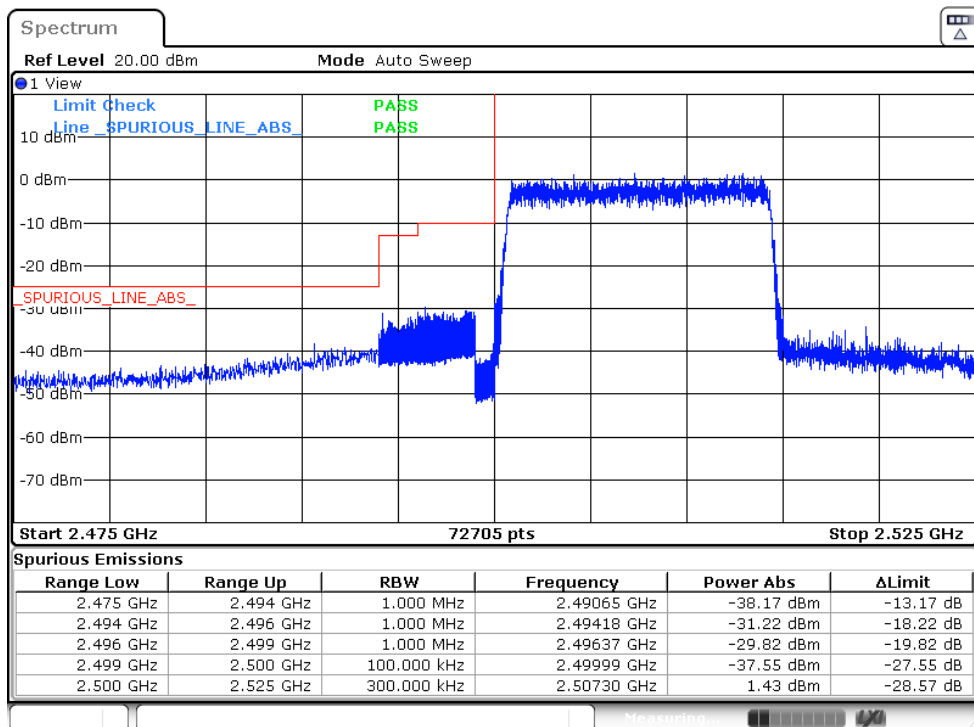
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. High, 16QAM



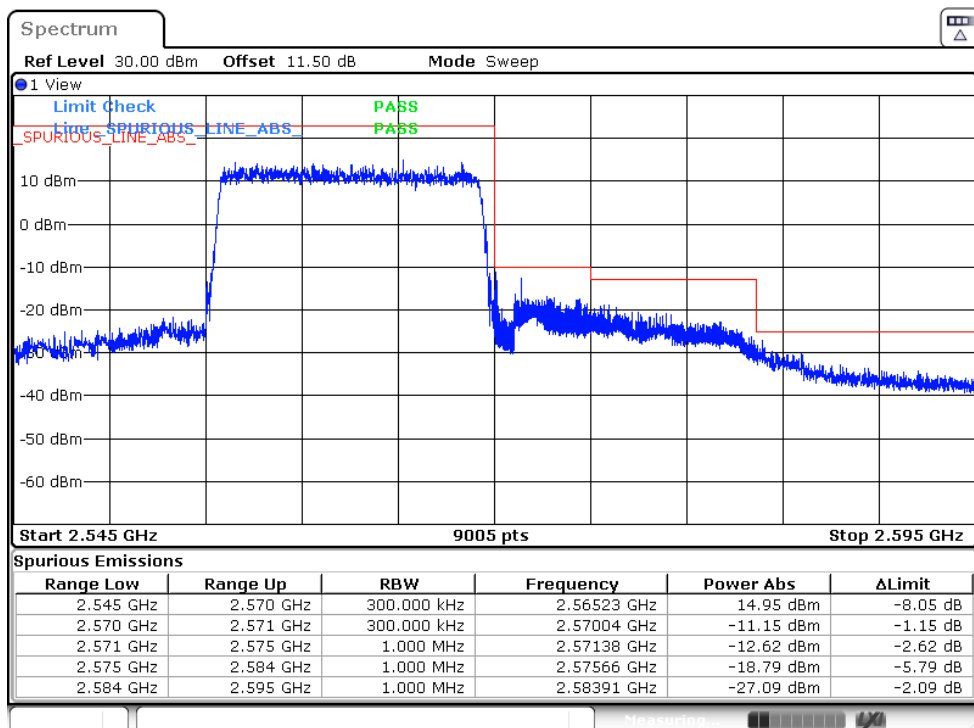
Band 7, UL Channel 20825, UL Frequency 2507.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



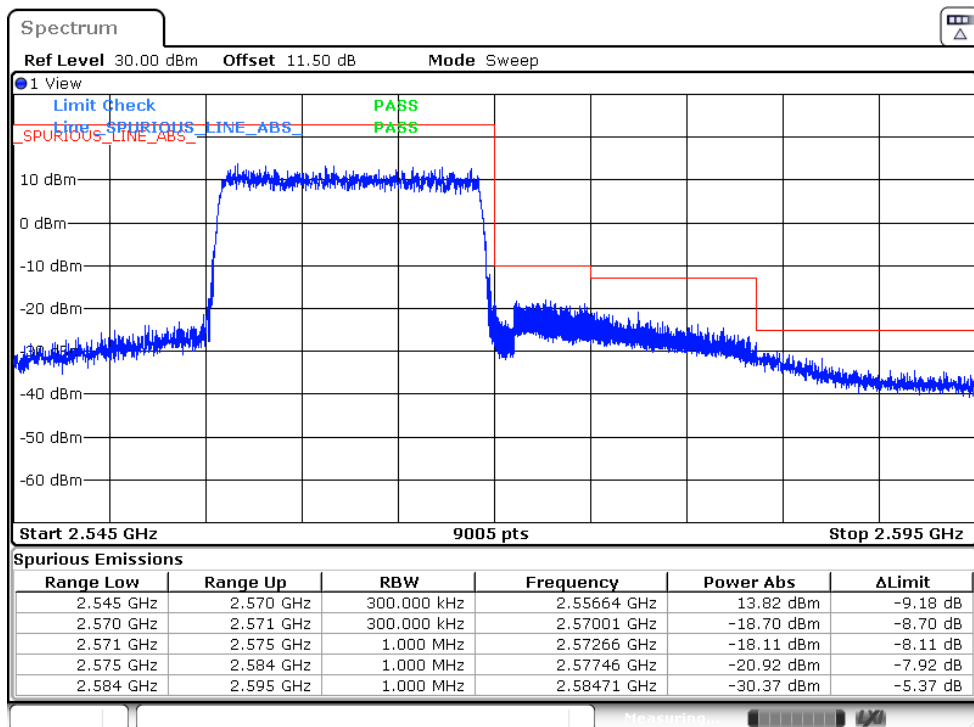
Band 7, UL Channel 20825, UL Frequency 2507.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



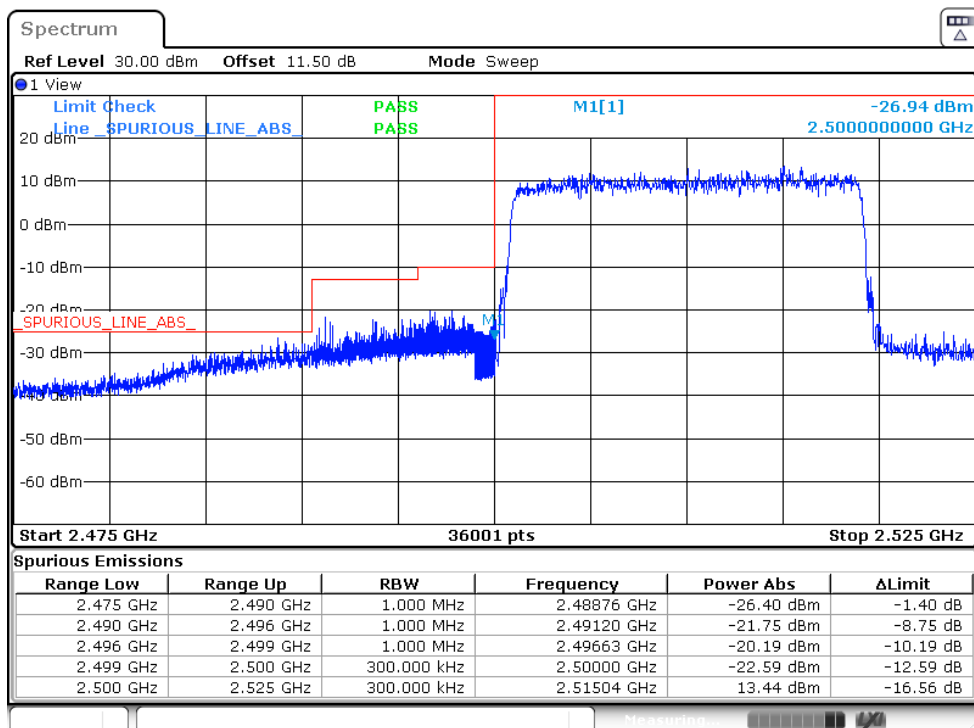
Band 7, UL Channel1 21375, UL Frequency 2562.5, BW 15.0, NO. RB 75, RB POS. High, QPSK



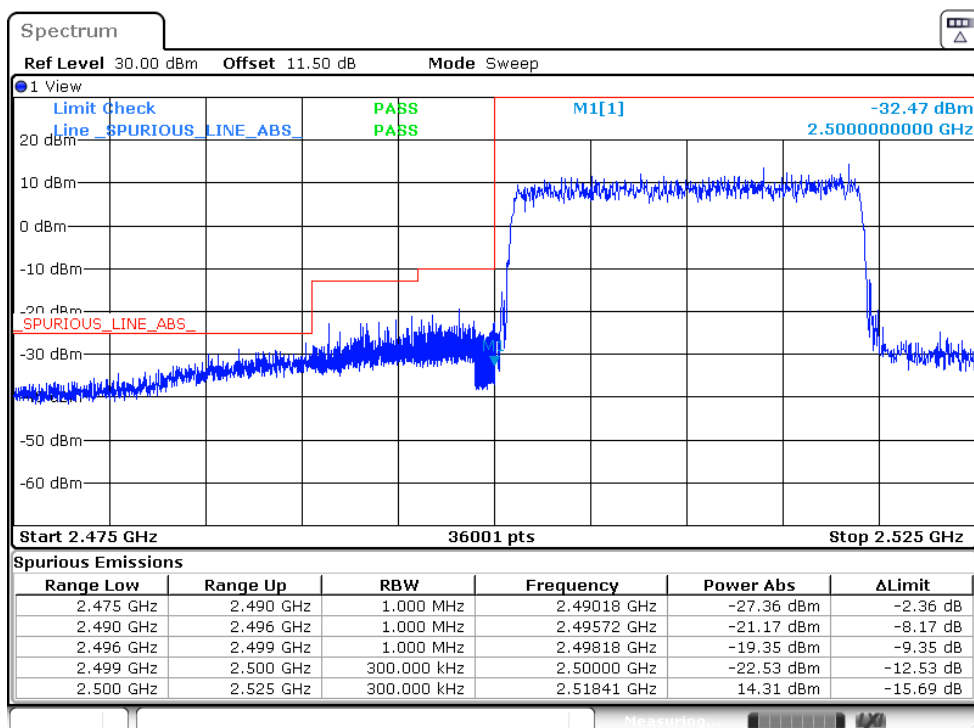
Band 7, UL Channel1 21375, UL Frequency 2562.5, BW 15.0, NO. RB 75, RB POS. High, 16QAM



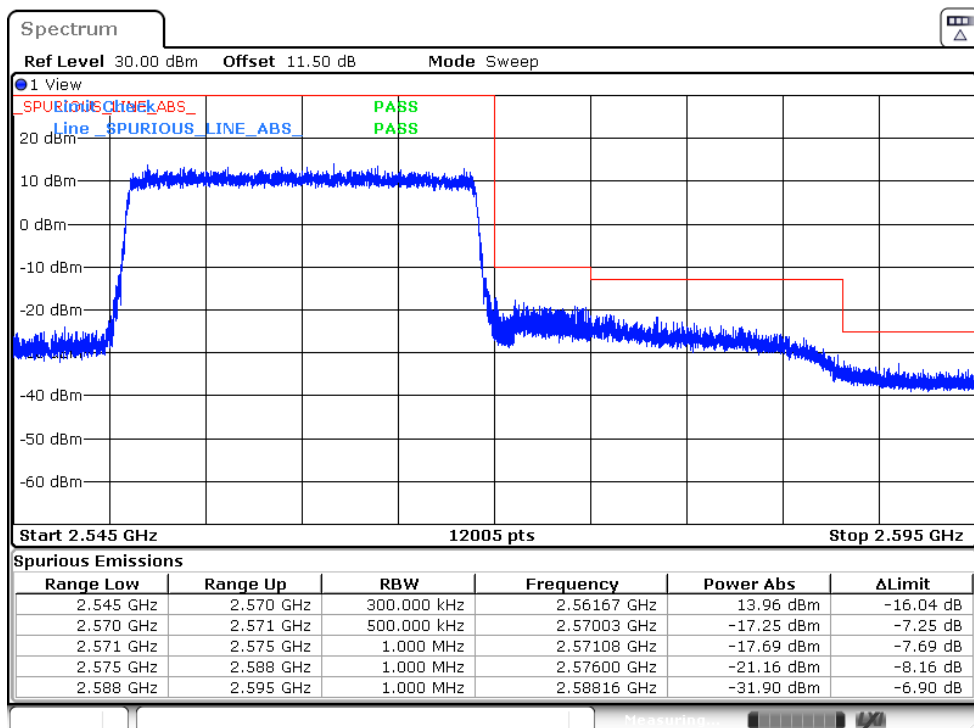
Band 7, UL Channel1 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



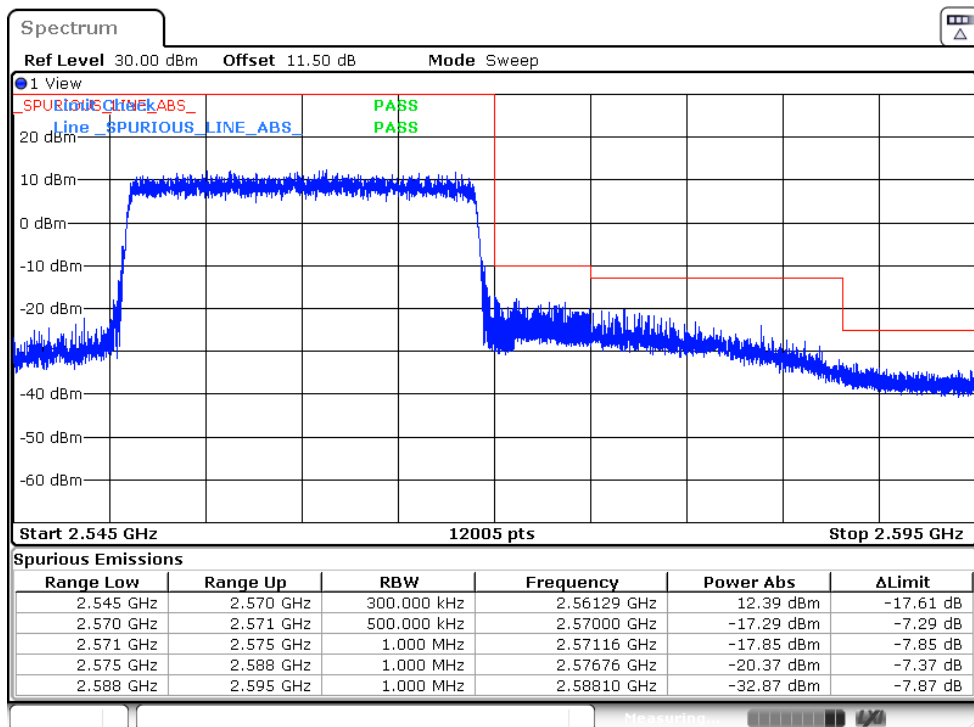
Band 7, UL Channel1 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



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



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



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

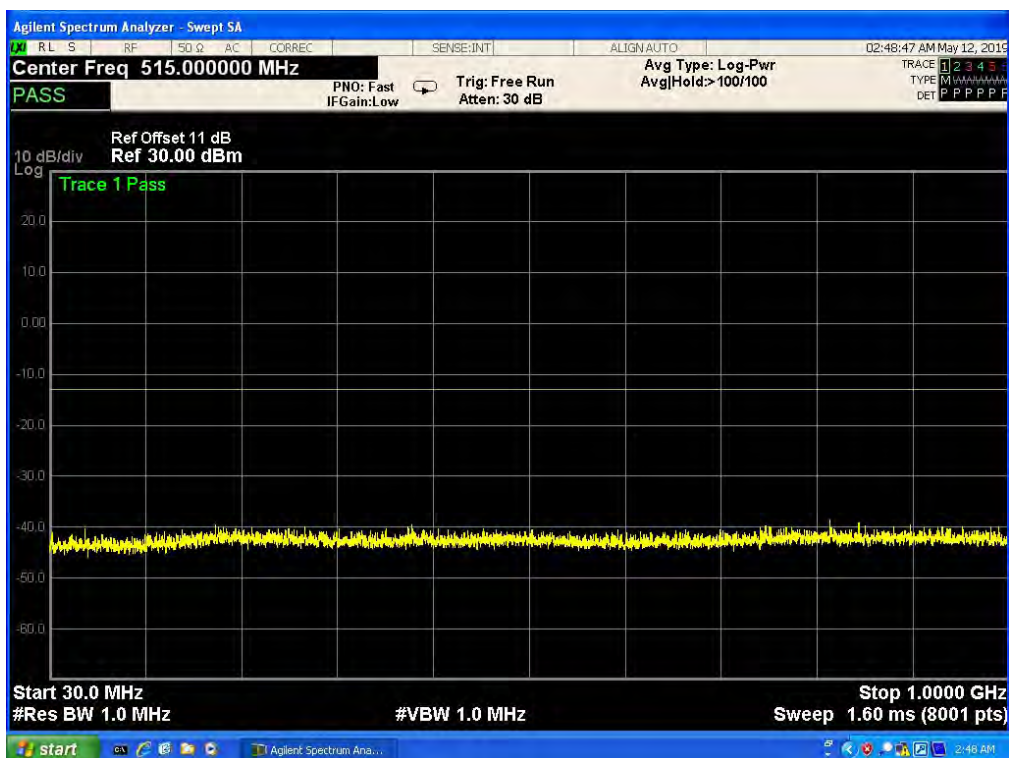
LTE Band 2
LTE Band 4
LTE Band 5
LTE Band 12
LTE Band 17
LTE Band 7

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

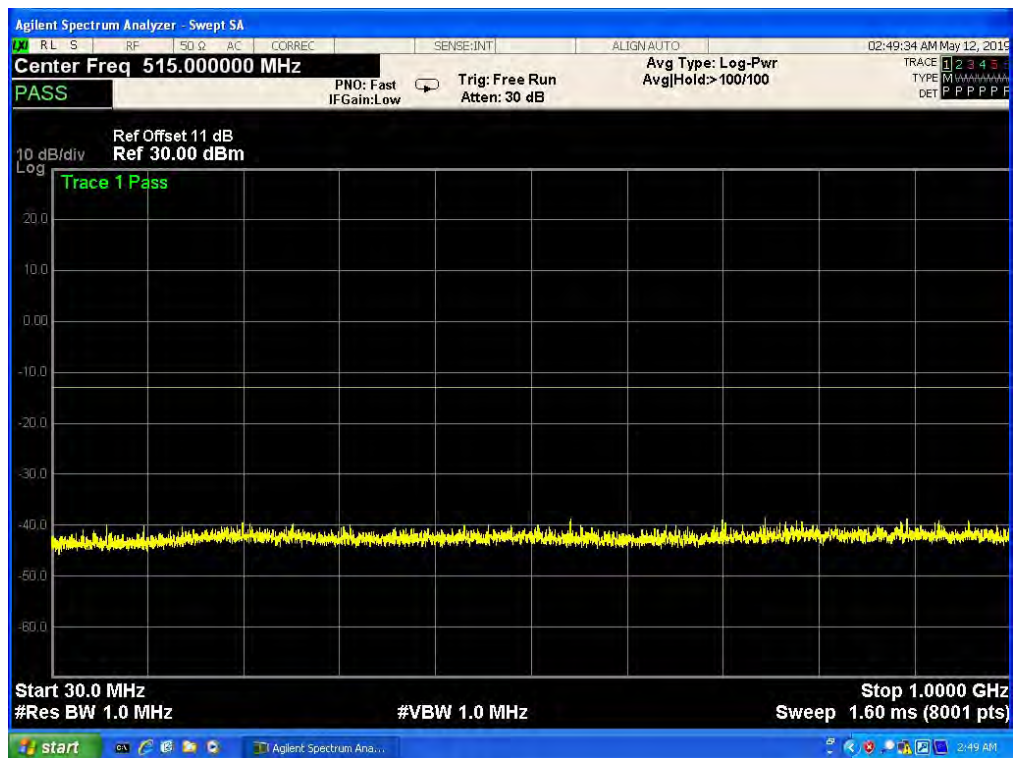
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



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



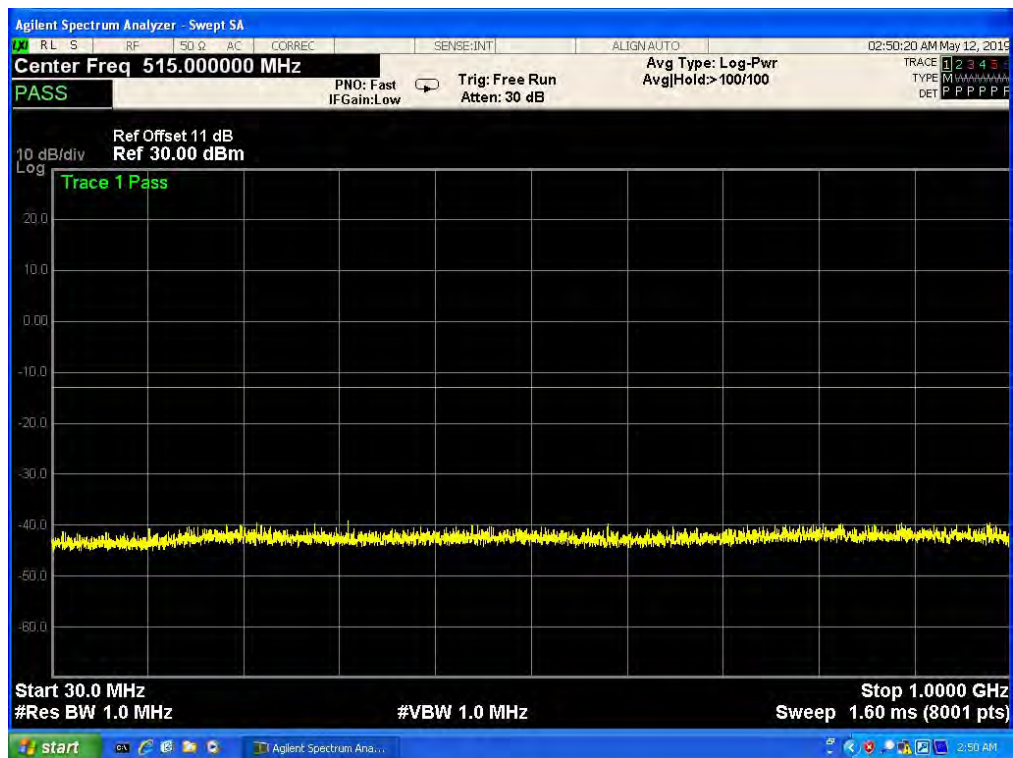
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, 16QAM



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



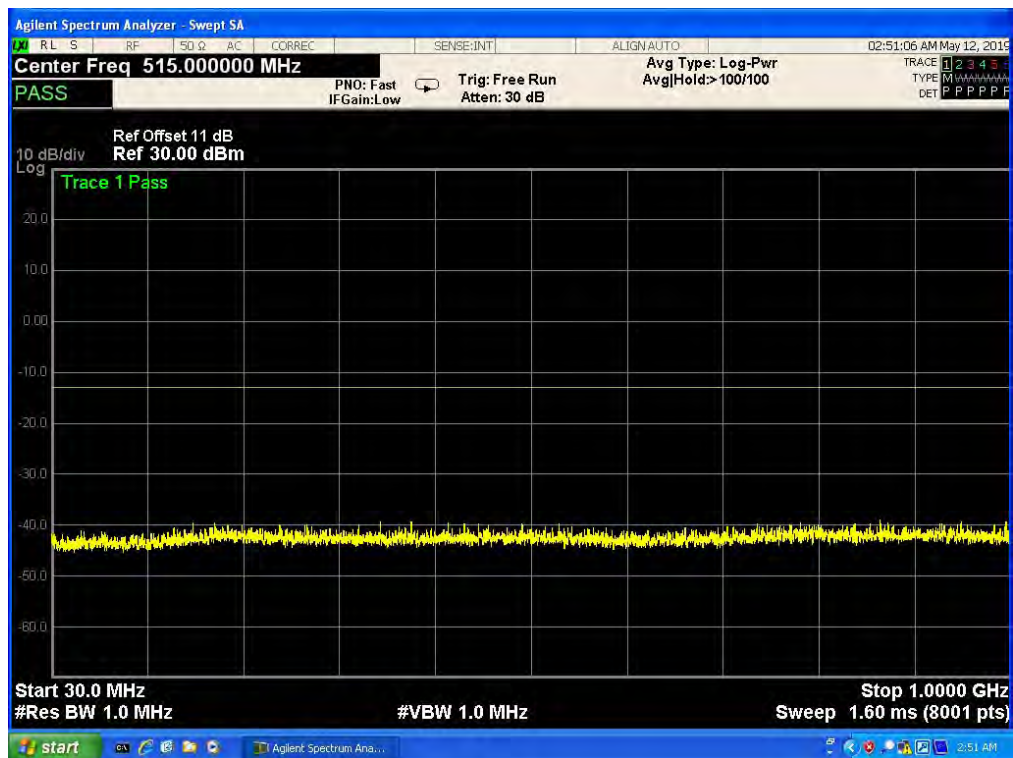
Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



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



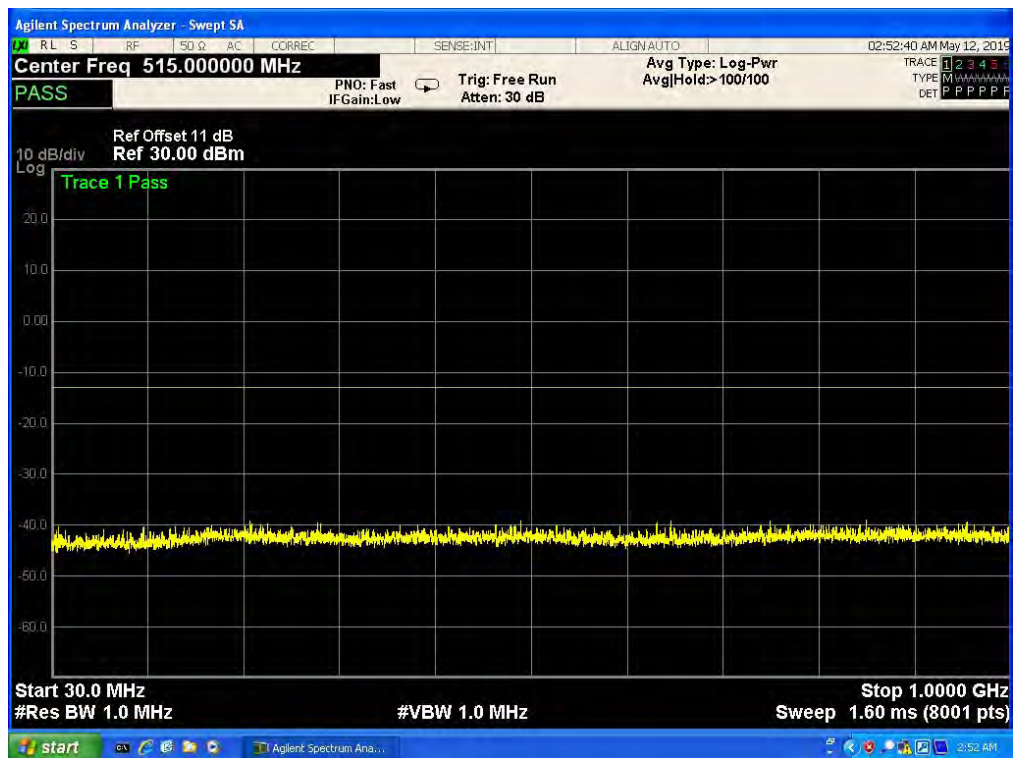
Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



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



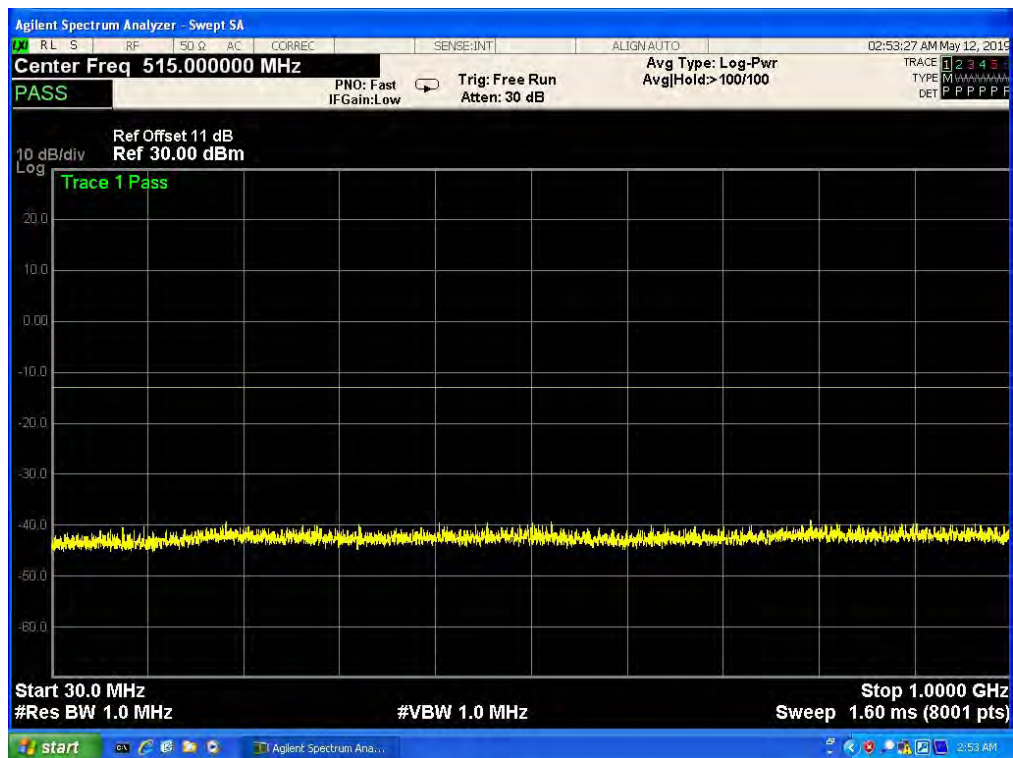
Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM



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



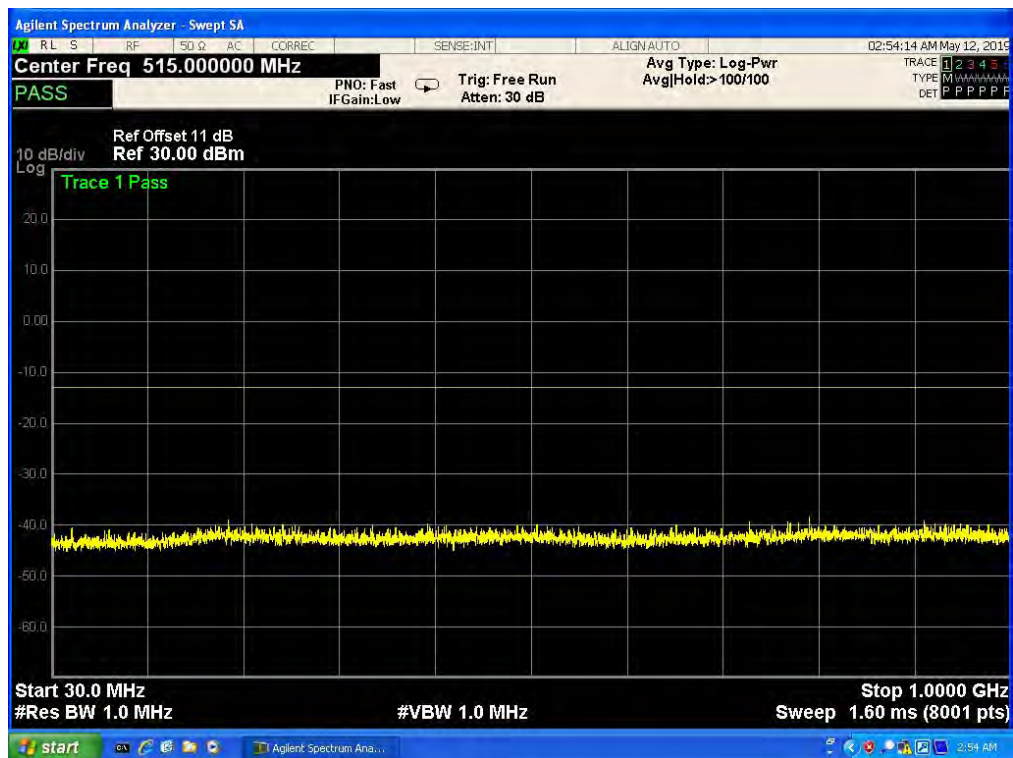
Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



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



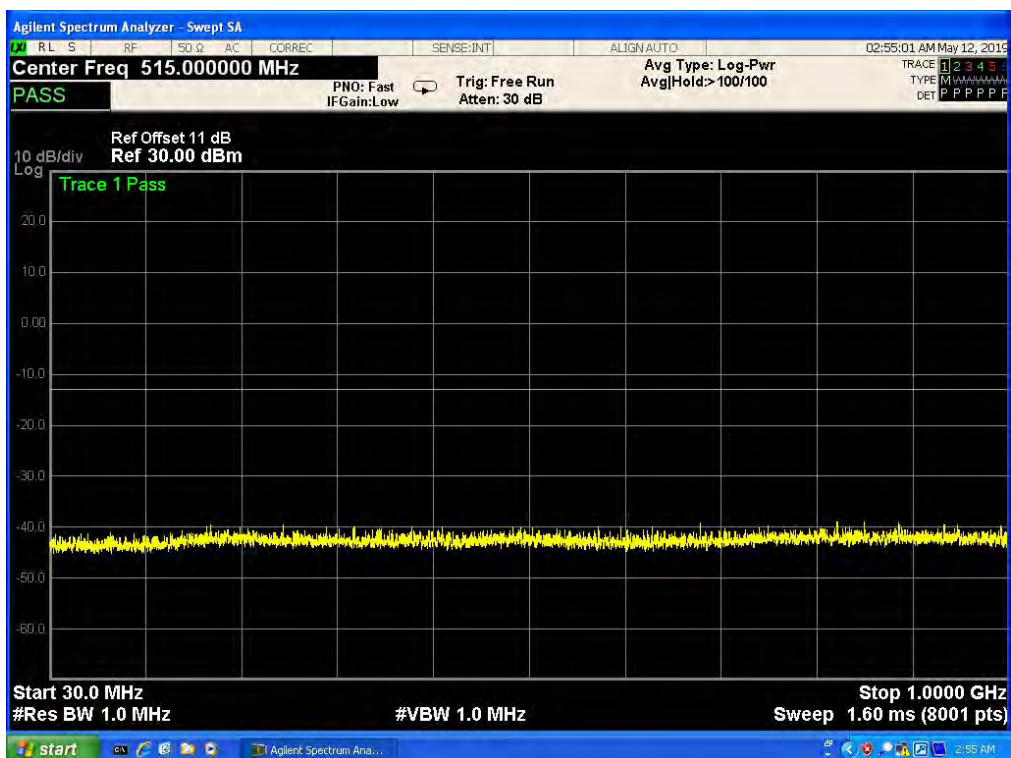
Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM



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



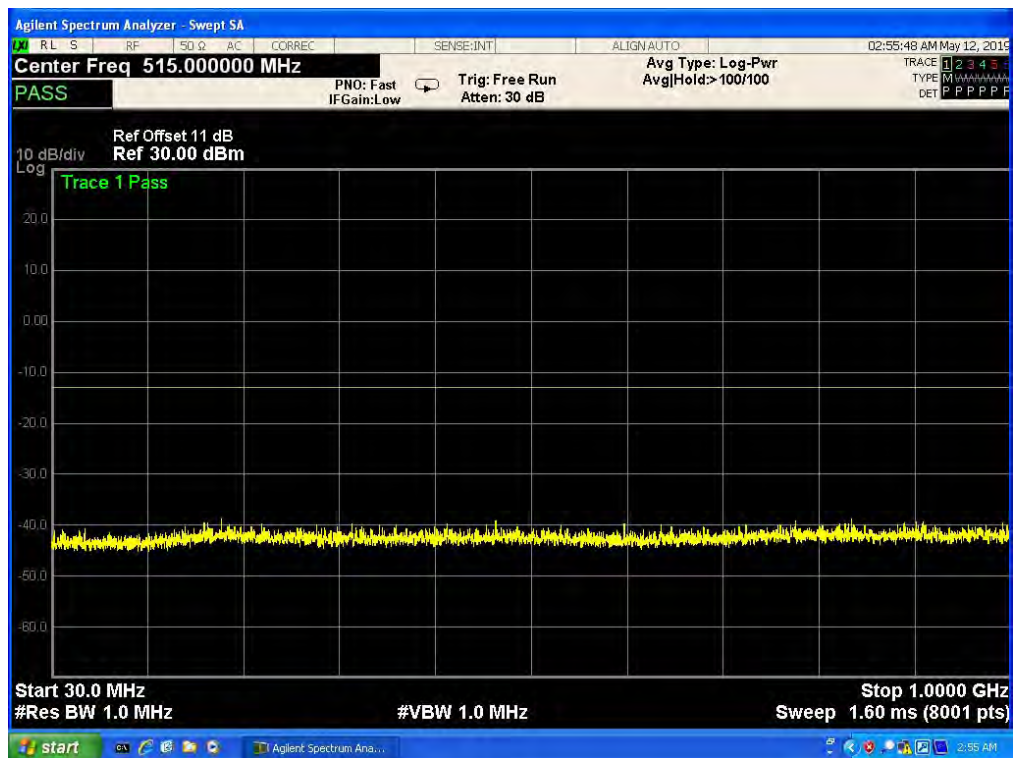
Band 2,UL Channel 18625,UL Frequency 1852.5,BW 5.0,N0. RB 25,RB POS. Low,QPSK



Band 2,UL Channel 18625,UL Frequency 1852.5,BW 5.0,N0. RB 25,RB POS. Low,QPSK



Band 2, UL Channel 1 18625, UL Frequency 1852.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



Band 2, UL Channel 1 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



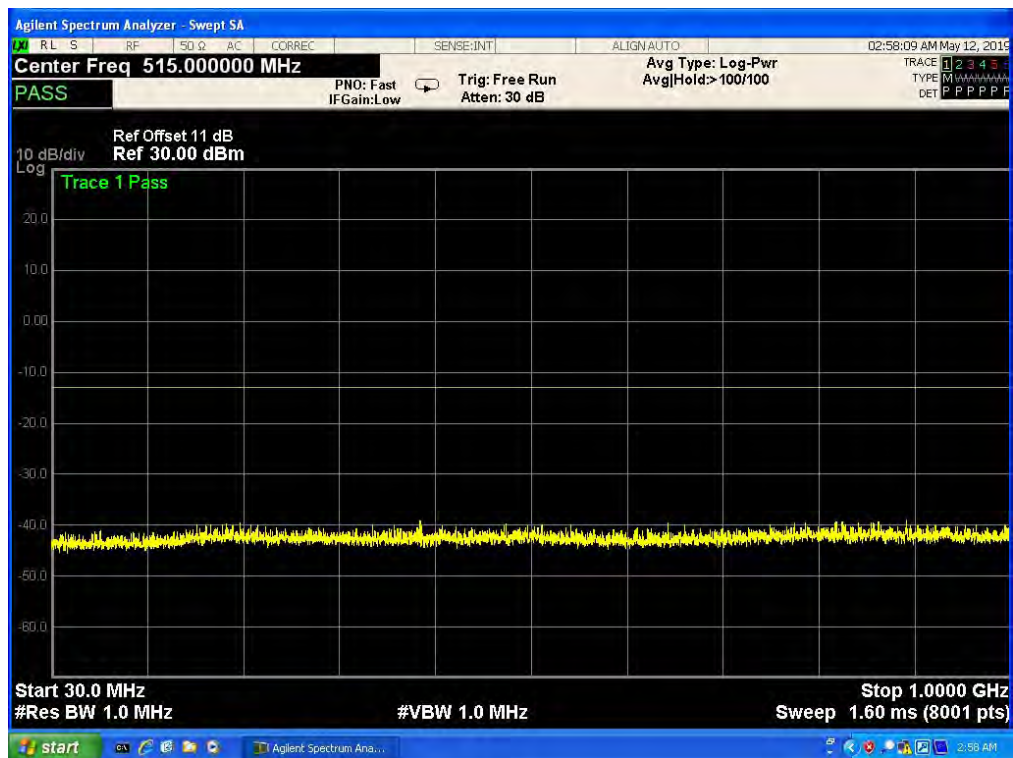
Band 2, UL Channel 19175, UL Frequency 1907.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



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



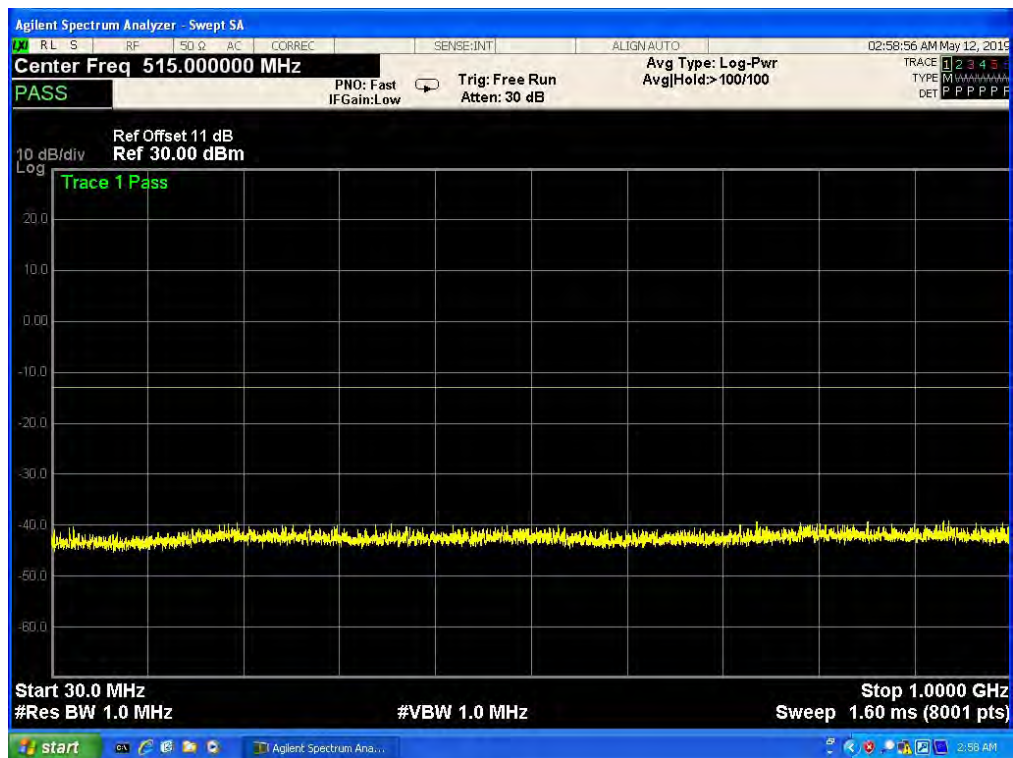
Band 2, UL Channel 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



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



Band 2, UL Channel1 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



Band 2, UL Channel1 18650, UL Frequency 1855.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



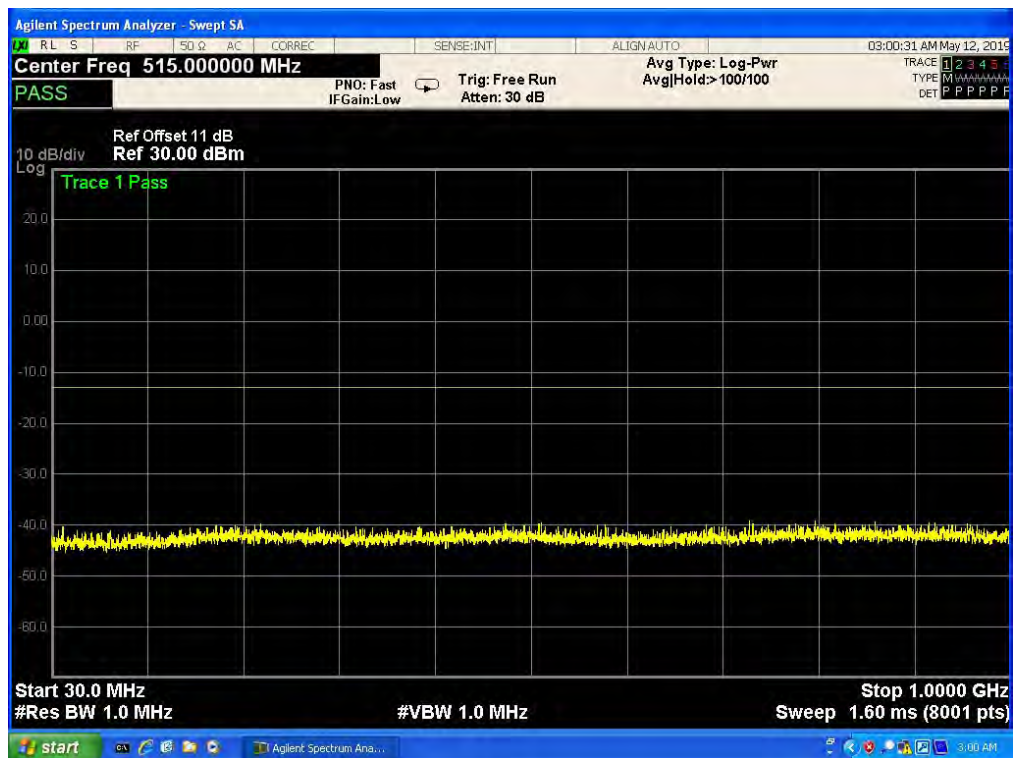
Band 2, UL Channel 19150, UL Frequency 1905.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



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



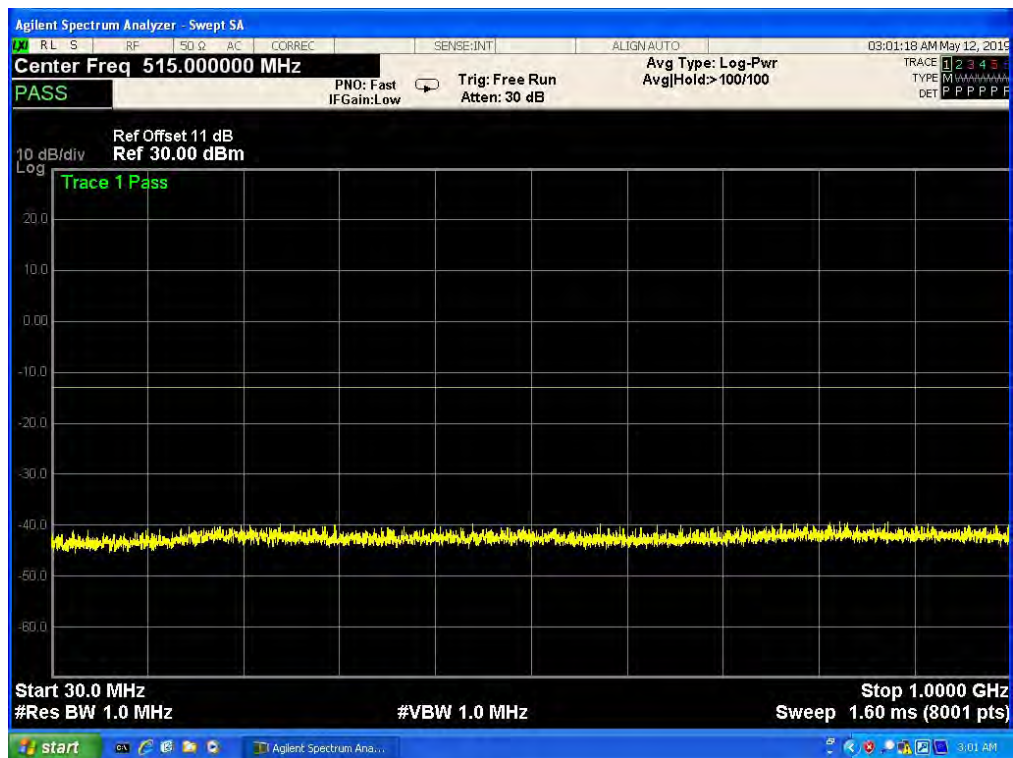
Band 2, UL Channel1 19150, UL Frequency 1905.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



Band 2, UL Channel1 19150, UL Frequency 1905.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



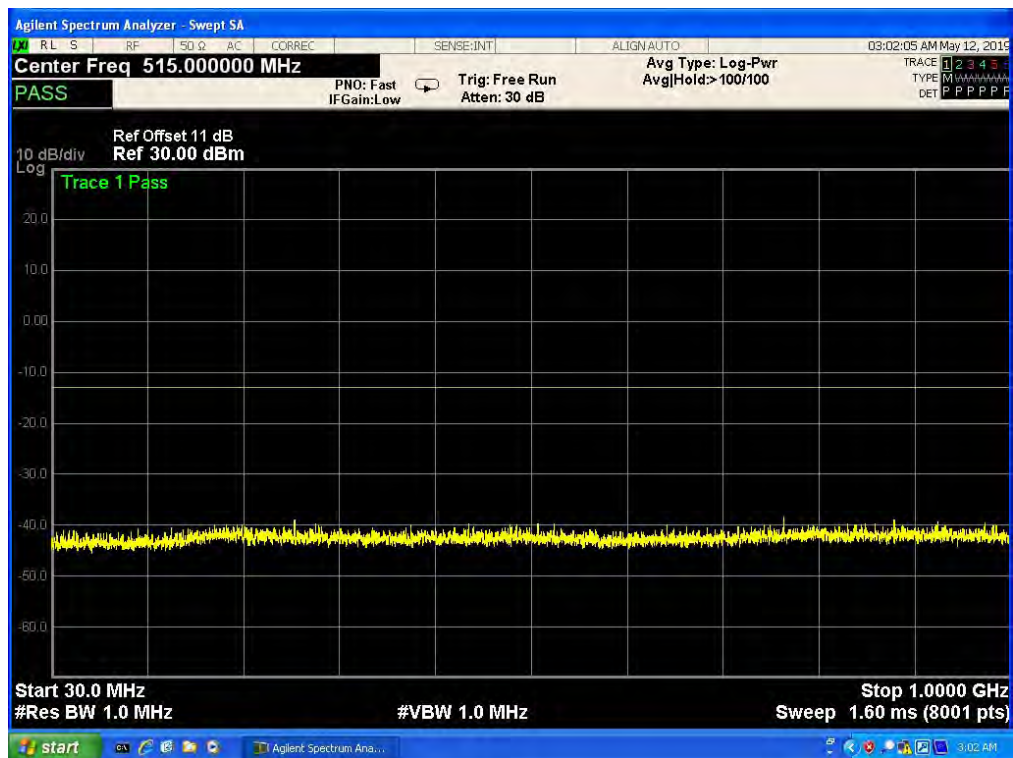
Band 2, UL Channel 1 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



Band 2, UL Channel 1 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



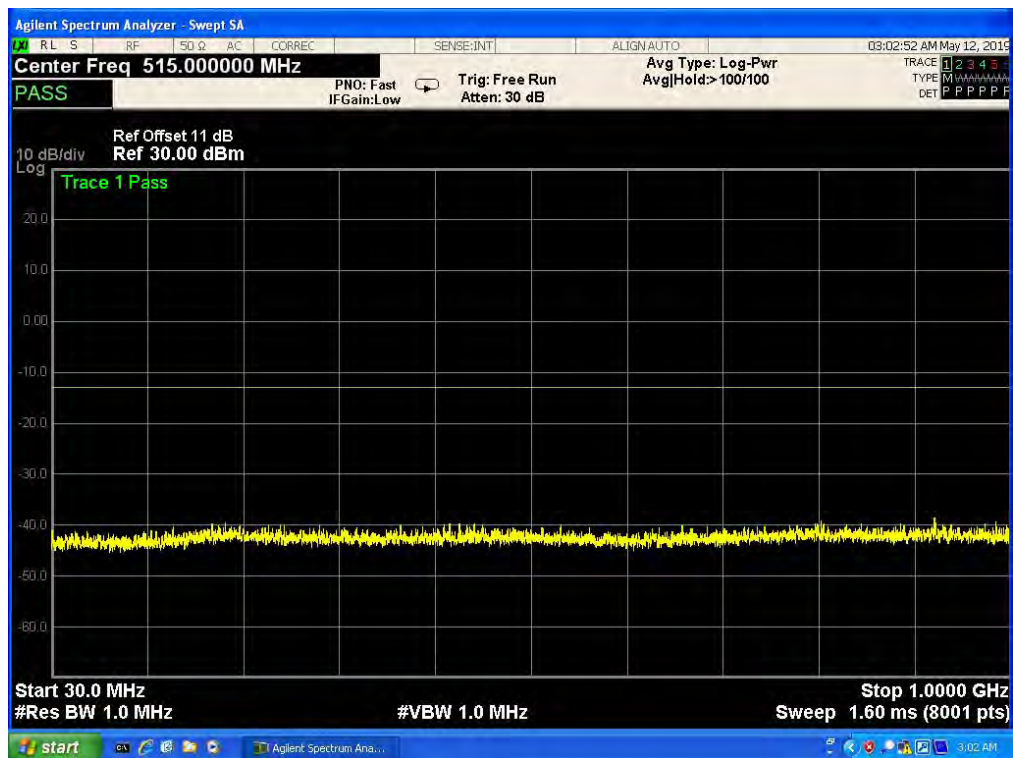
Band 2, UL Channel1 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



Band 2, UL Channel1 18675, UL Frequency 1857.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



Band 2, UL Channel 1 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



Band 2, UL Channel 1 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



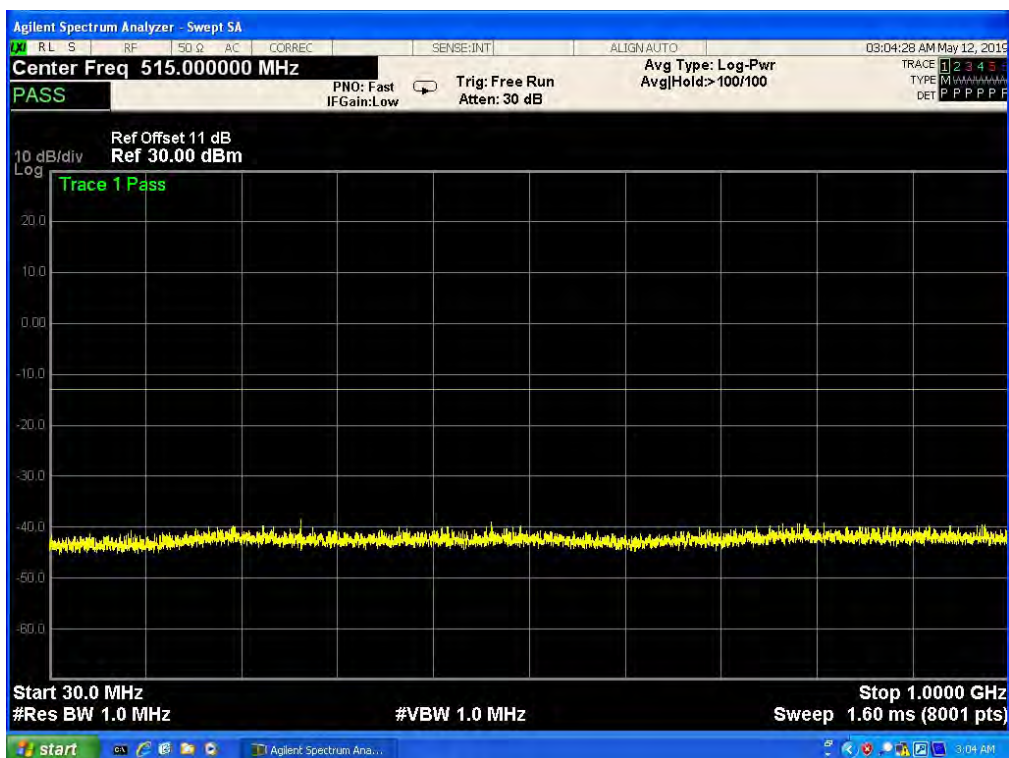
Band 2, UL Channel1 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



Band 2, UL Channel1 19125, UL Frequency 1902.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



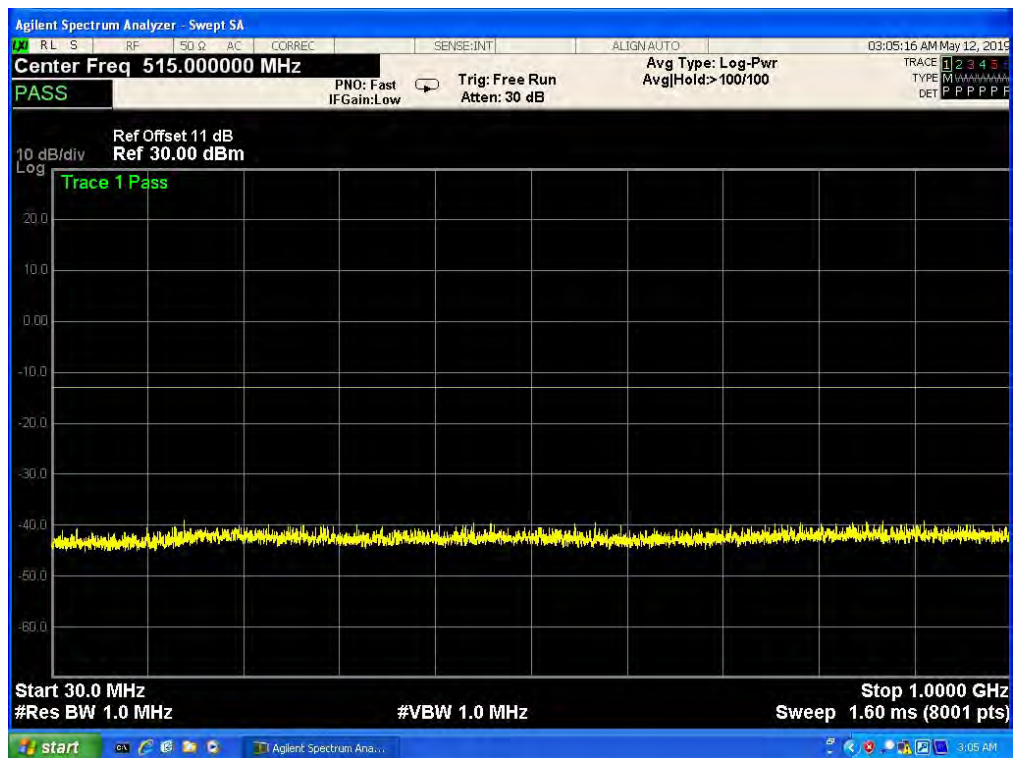
Band 2, UL Channel 1 18700, UL Frequency 1860.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



Band 2, UL Channel 1 18700, UL Frequency 1860.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



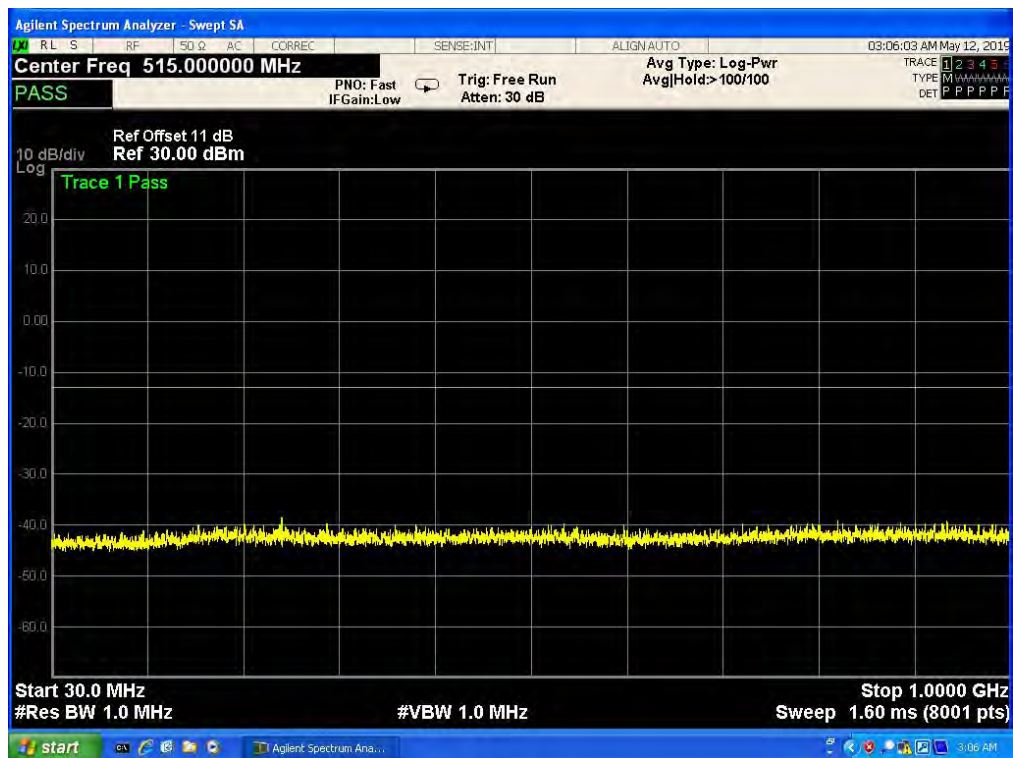
Band 2, UL Channel1 18700, UL Frequency 1860.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



Band 2, UL Channel1 18700, UL Frequency 1860.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



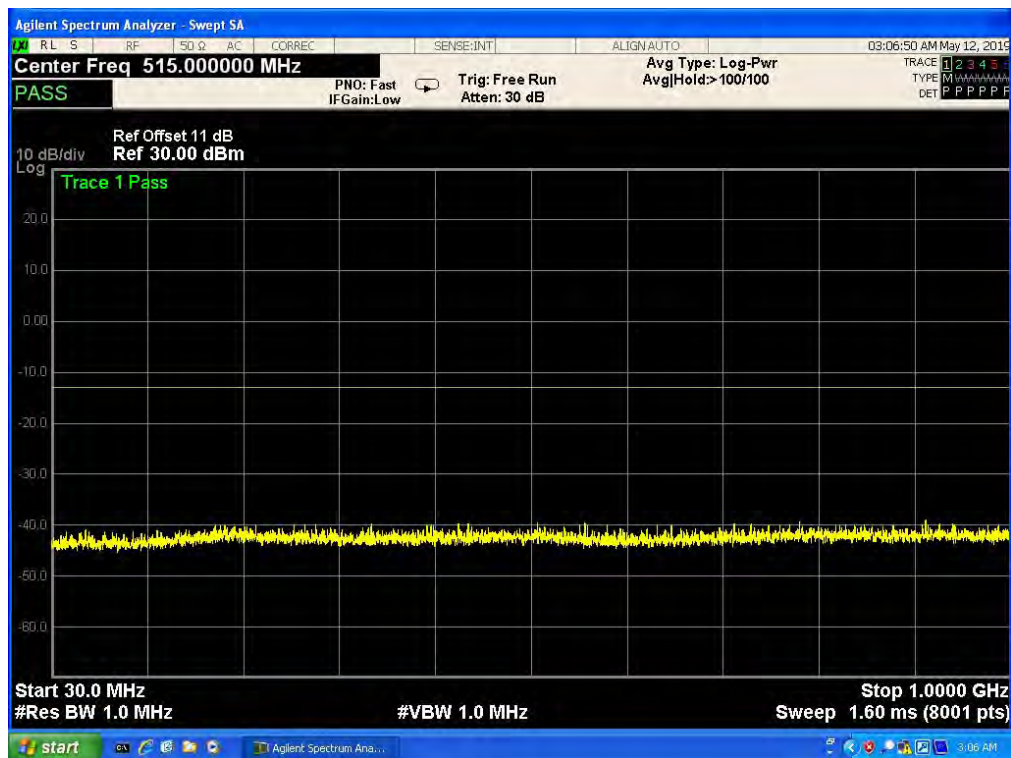
Band 2, UL Channel1 19100, UL Frequency 1900.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



Band 2, UL Channel1 19100, UL Frequency 1900.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



Band 2, UL Channel1 19100, UL Frequency 1900.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM

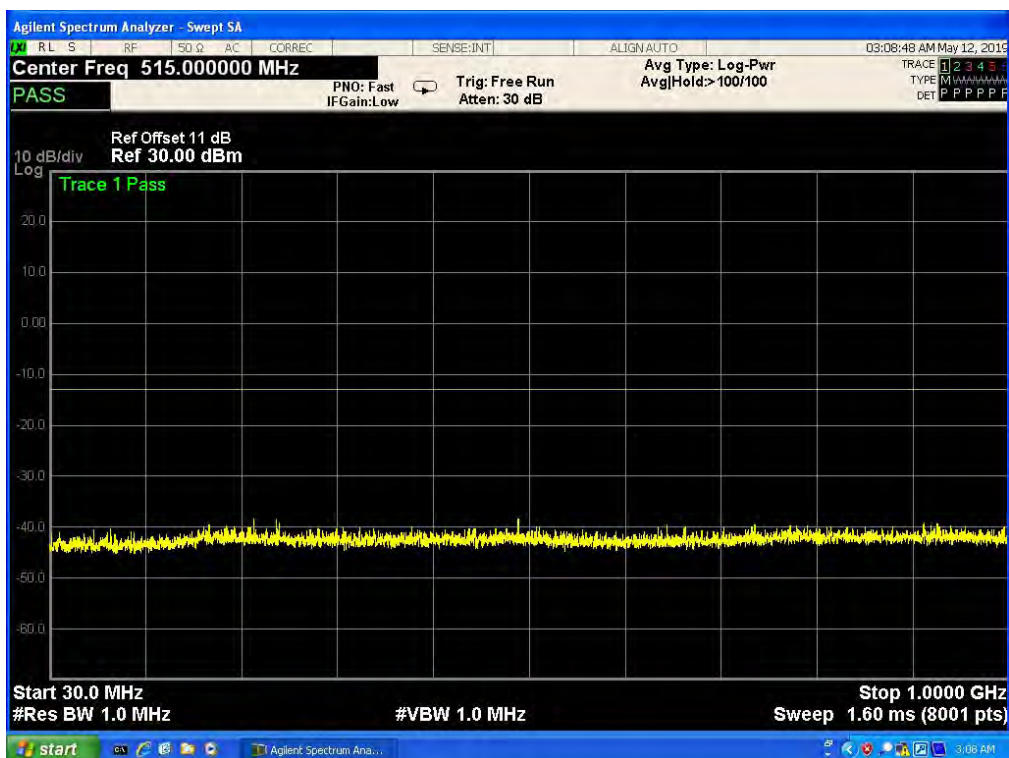


Band 2, UL Channel1 19100, UL Frequency 1900.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



7.2 LTE BAND 4

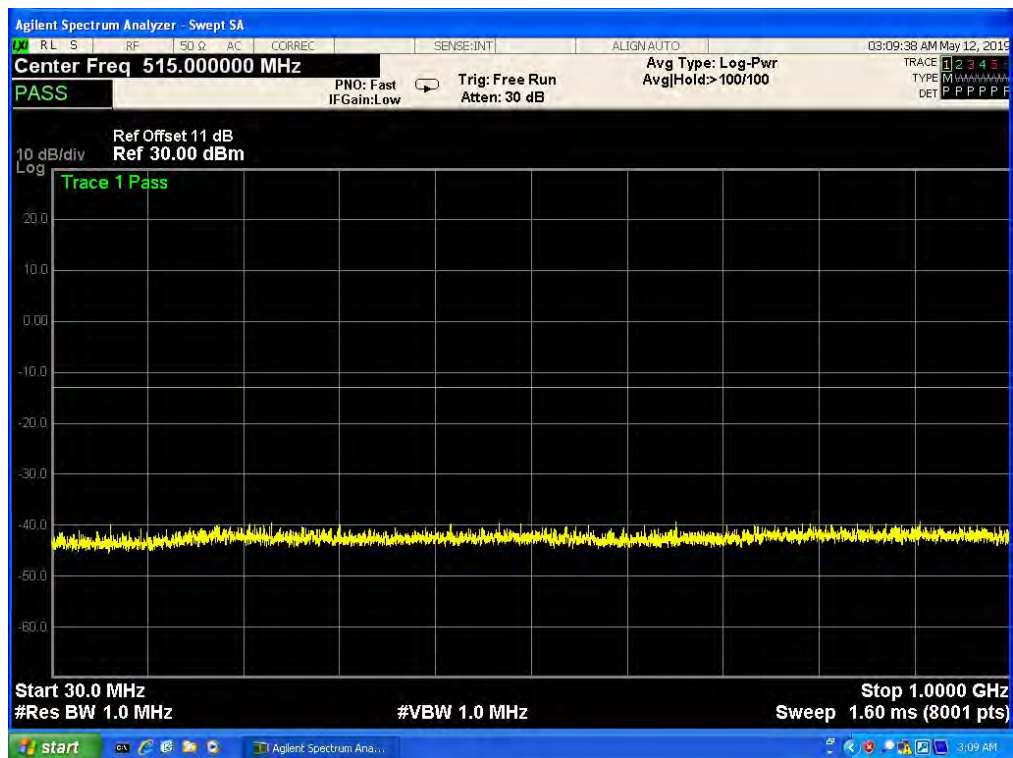
Band 4, UL Channel 19957, UL Frequency 1710.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



Band 4, UL Channel 19957, UL Frequency 1710.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



Band 4, UL Channel 19957, UL Frequency 1710.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



Band 4, UL Channel 19957, UL Frequency 1710.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



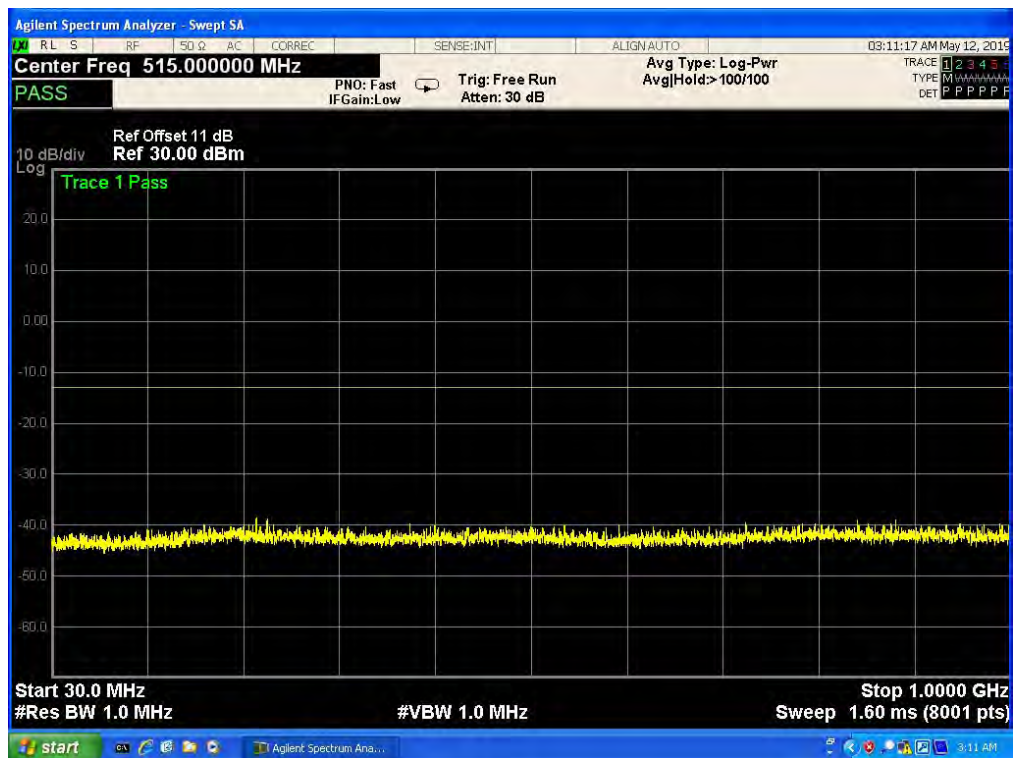
Band 4, UL Channel 20393, UL Frequency 1754.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



Band 4, UL Channel 20393, UL Frequency 1754.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



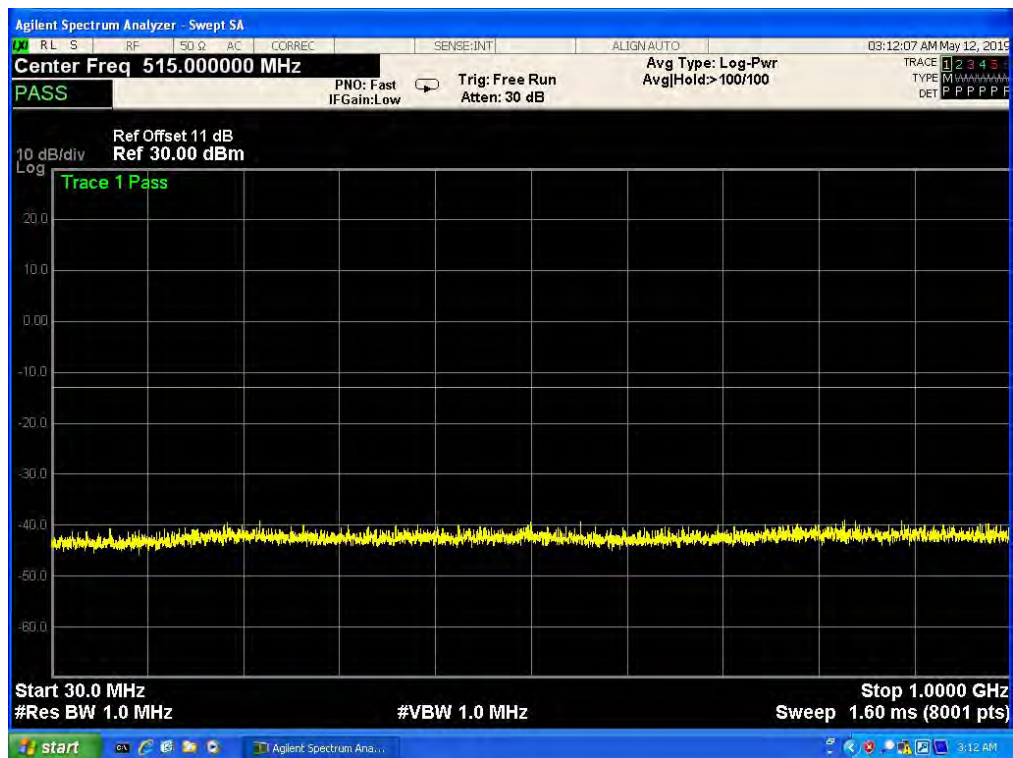
Band 4, UL Channel 20393, UL Frequency 1754.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



Band 4, UL Channel 20393, UL Frequency 1754.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



Band 4, UL Channel 19965, UL Frequency 1711.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



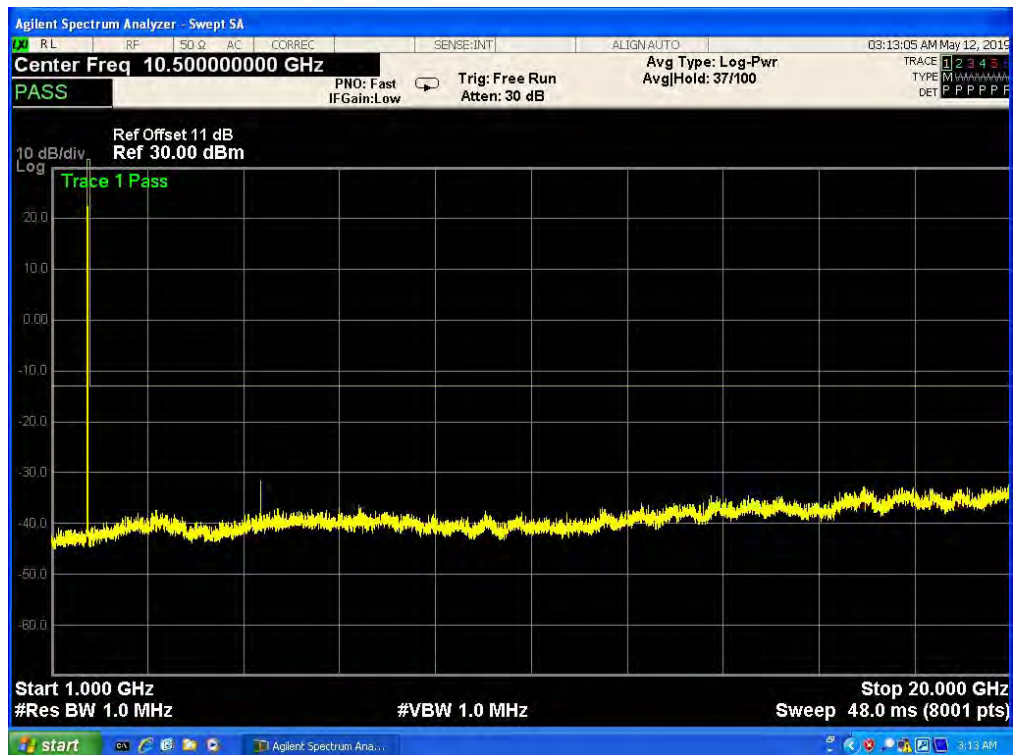
Band 4, UL Channel 19965, UL Frequency 1711.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



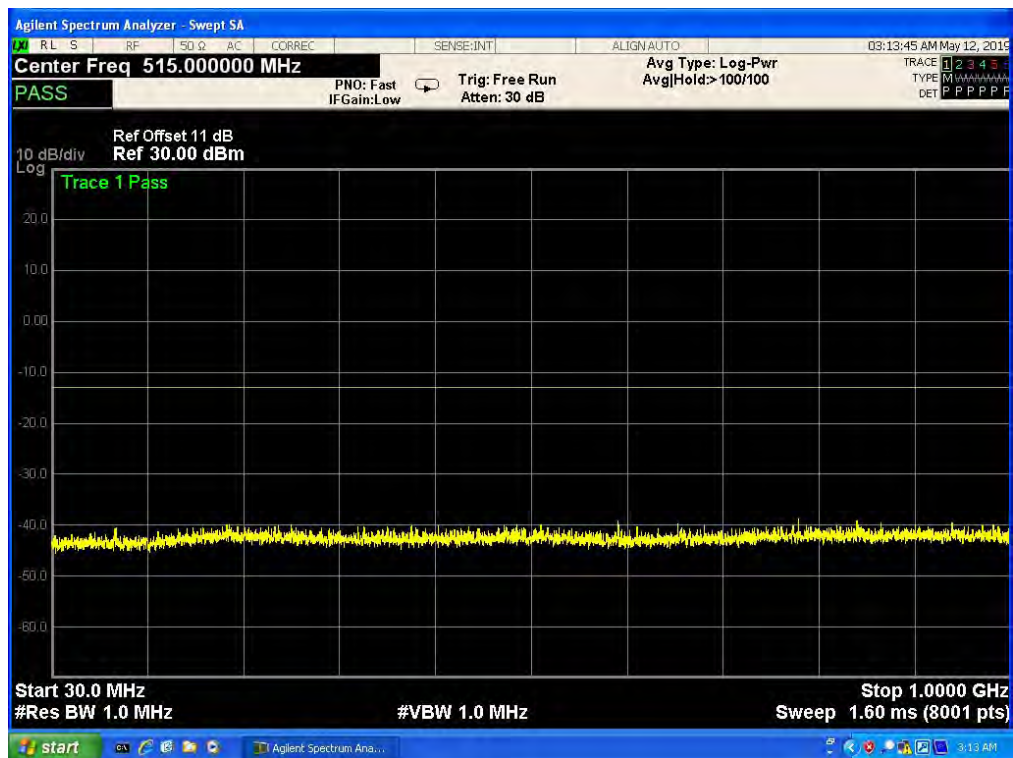
Band 4, UL Channel1 19965, UL Frequency 1711.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



Band 4, UL Channel1 19965, UL Frequency 1711.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



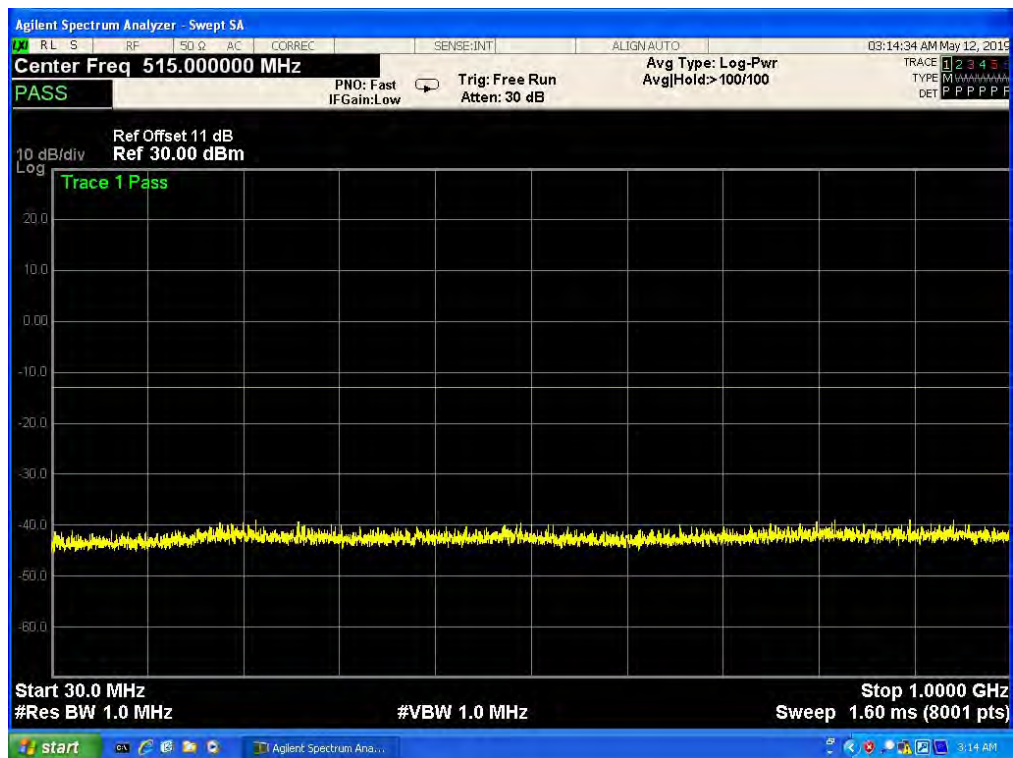
Band 4, UL Channel 20385, UL Frequency 1753.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



Band 4, UL Channel 20385, UL Frequency 1753.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



Band 4, UL Channel1 20385, UL Frequency 1753.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



Band 4, UL Channel1 20385, UL Frequency 1753.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



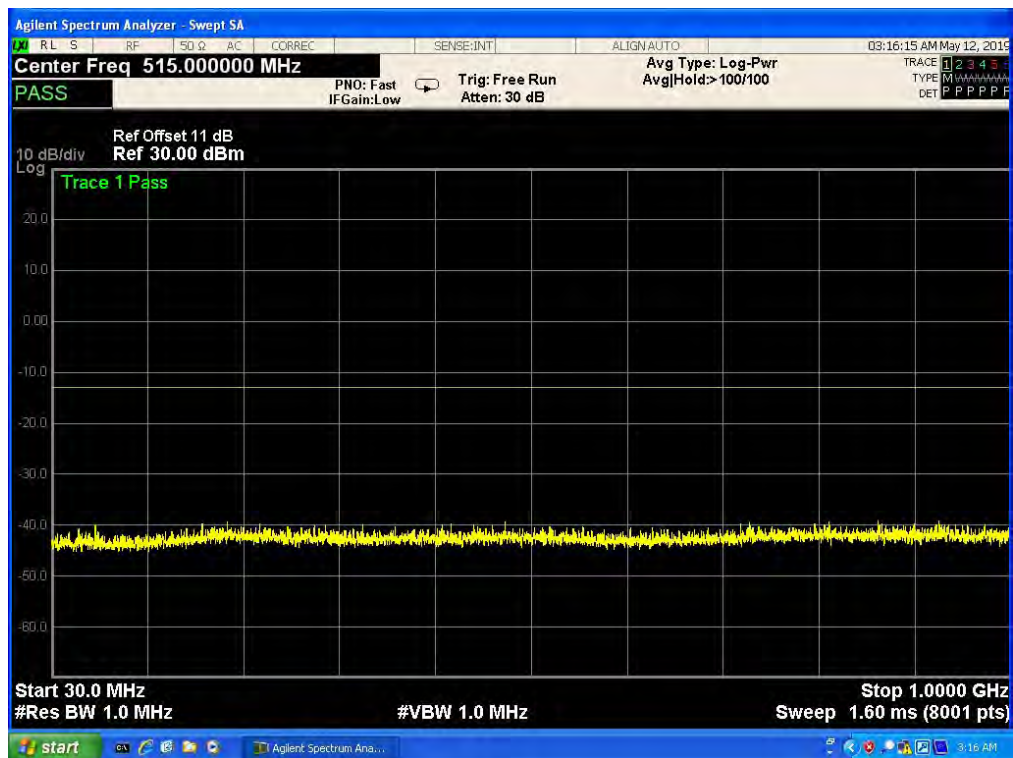
Band 4,UL Channel 19975,UL Frequency 1712.5,BW 5.0,NO. RB 25,RB POS. Low,QPSK



Band 4,UL Channel 19975,UL Frequency 1712.5,BW 5.0,NO. RB 25,RB POS. Low,QPSK



Band 4, UL Channel1 19975, UL Frequency 1712.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



Band 4, UL Channel1 19975, UL Frequency 1712.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



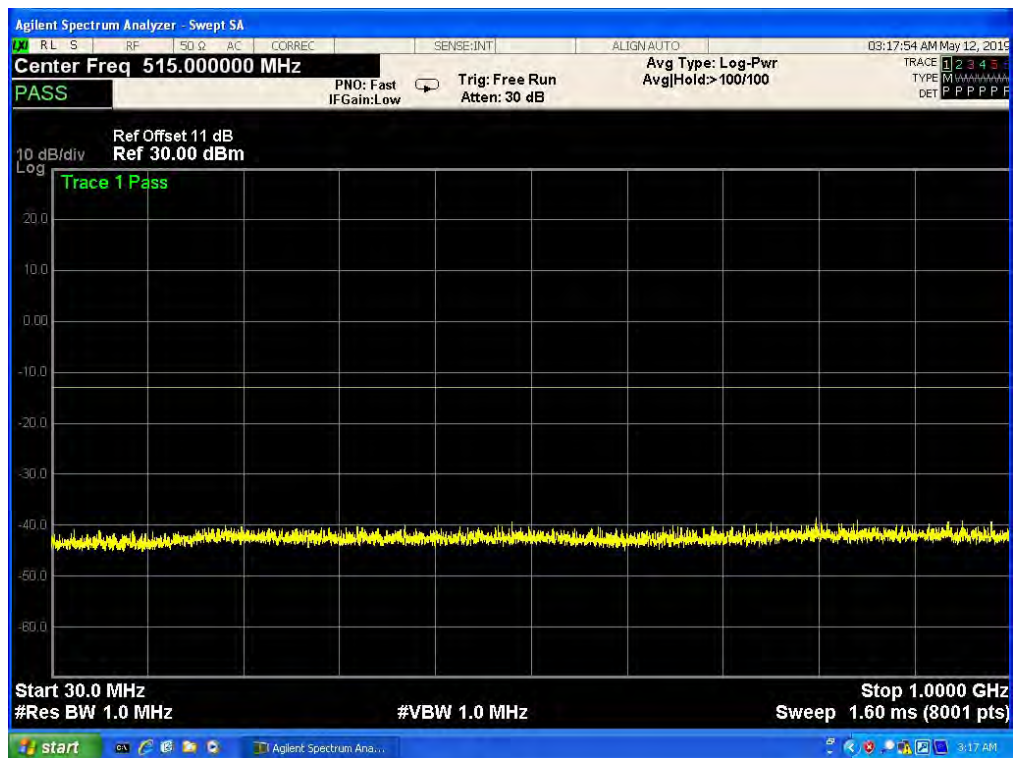
Band 4, UL Channel 20375, UL Frequency 1752.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



Band 4, UL Channel 20375, UL Frequency 1752.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



Band 4, UL Channel1 20375, UL Frequency 1752.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



Band 4, UL Channel1 20375, UL Frequency 1752.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



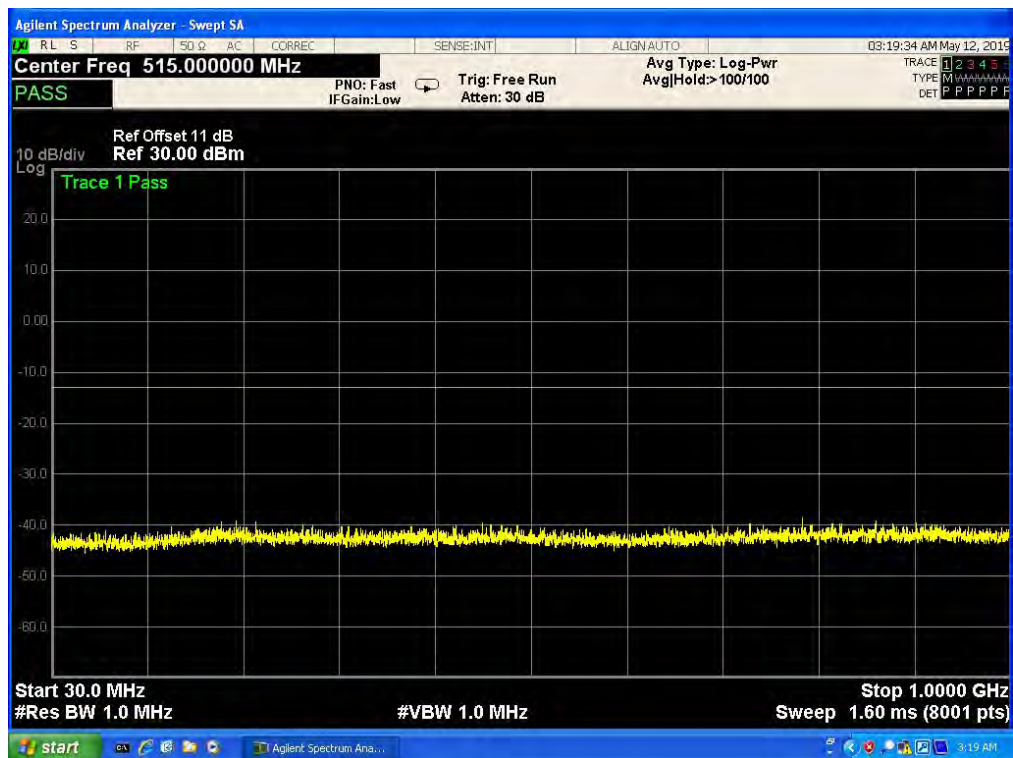
Band 4, UL Channel 20000, UL Frequency 1715.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



Band 4, UL Channel 20000, UL Frequency 1715.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



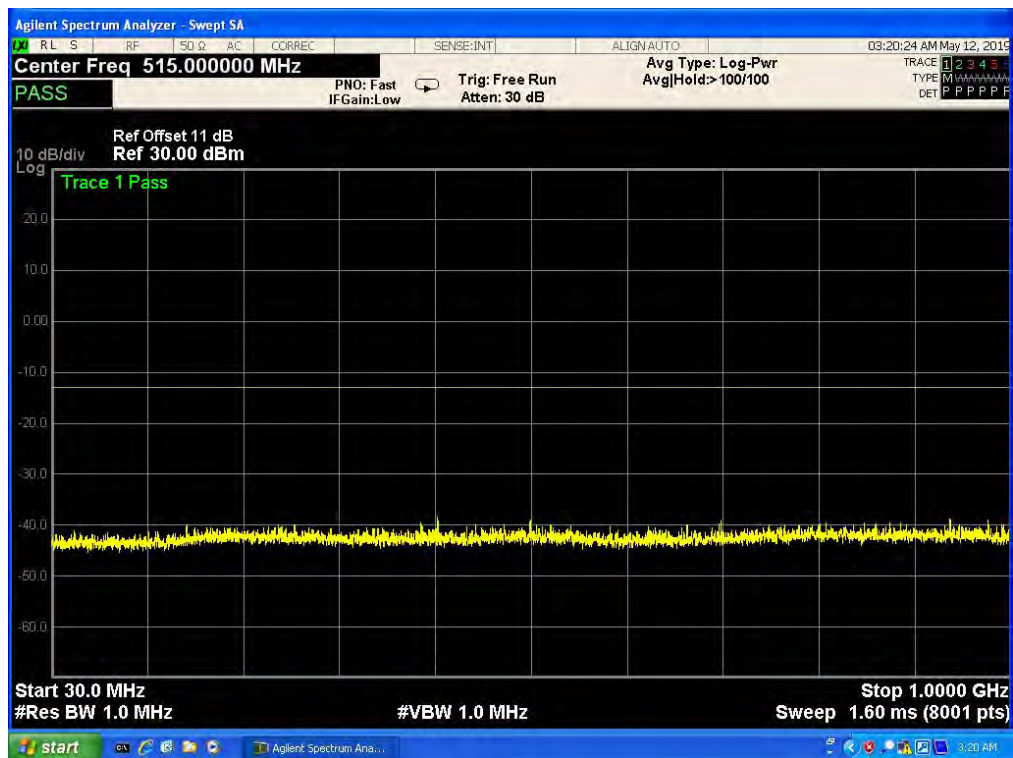
Band 4, UL Channel1 20000, UL Frequency 1715.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



Band 4, UL Channel1 20000, UL Frequency 1715.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



Band 4, UL Channel 20350, UL Frequency 1750.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



Band 4, UL Channel 20350, UL Frequency 1750.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



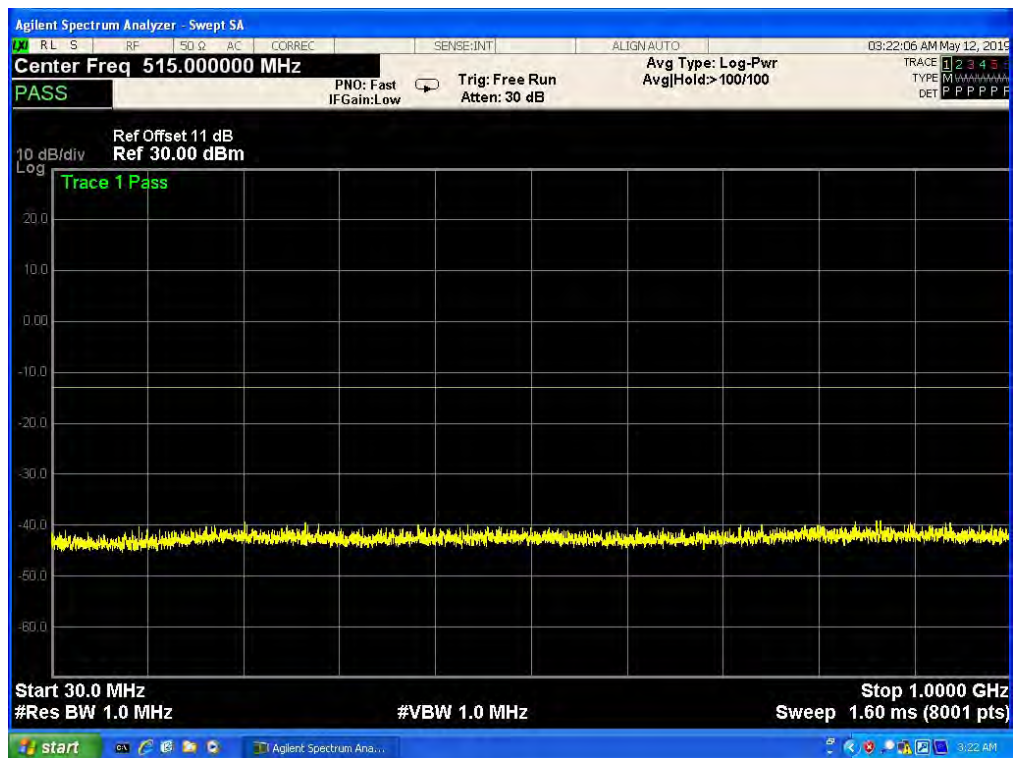
Band 4, UL Channel1 20350, UL Frequency 1750.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



Band 4, UL Channel1 20350, UL Frequency 1750.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



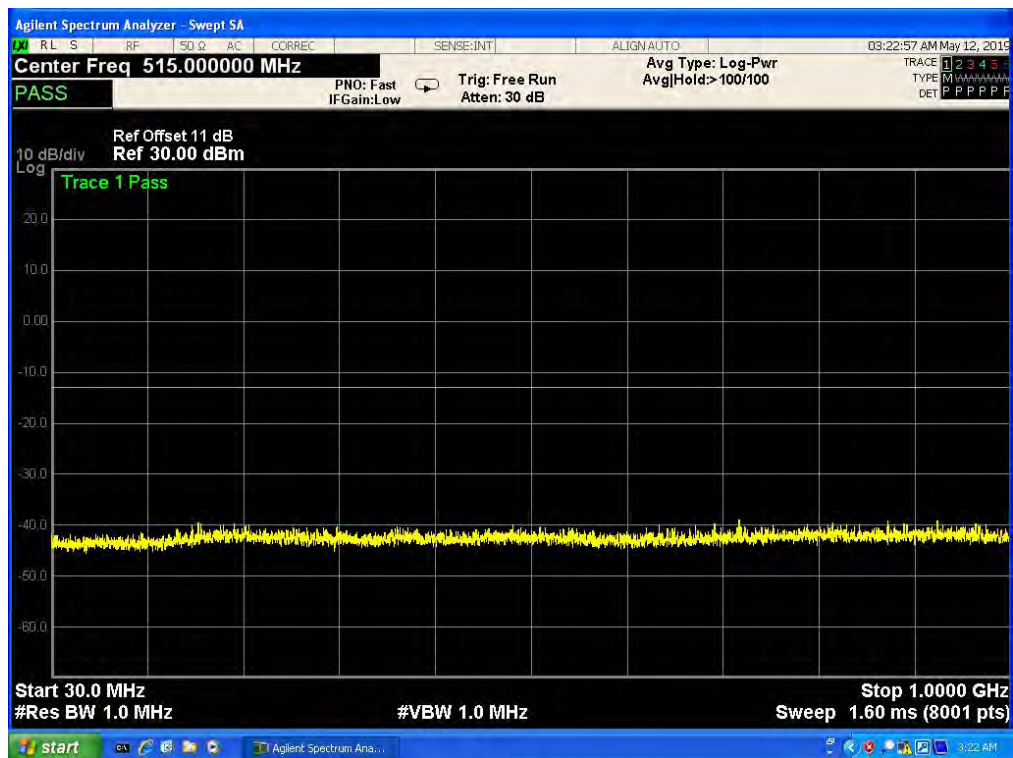
Band 4, UL Channel 20025, UL Frequency 1717.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



Band 4, UL Channel 20025, UL Frequency 1717.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



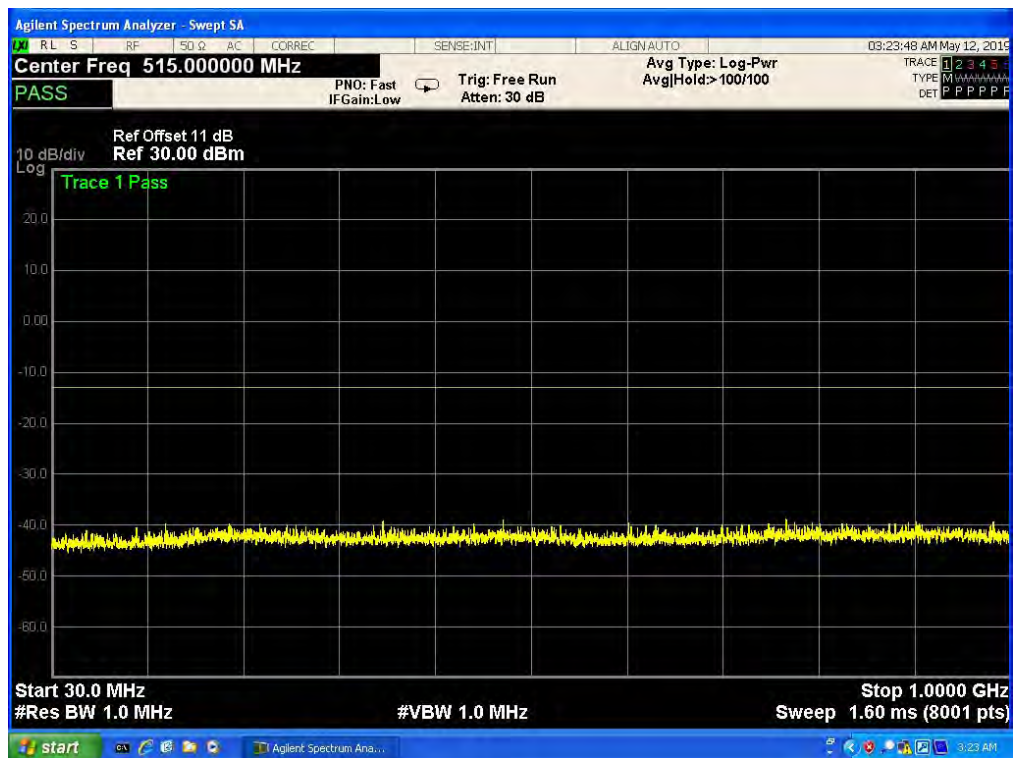
Band 4, UL Channel1 20025, UL Frequency 1717.5, BW 15.0, NO. RB 75, RB POS. Low, 16-QAM



Band 4, UL Channel1 20025, UL Frequency 1717.5, BW 15.0, NO. RB 75, RB POS. Low, 16-QAM



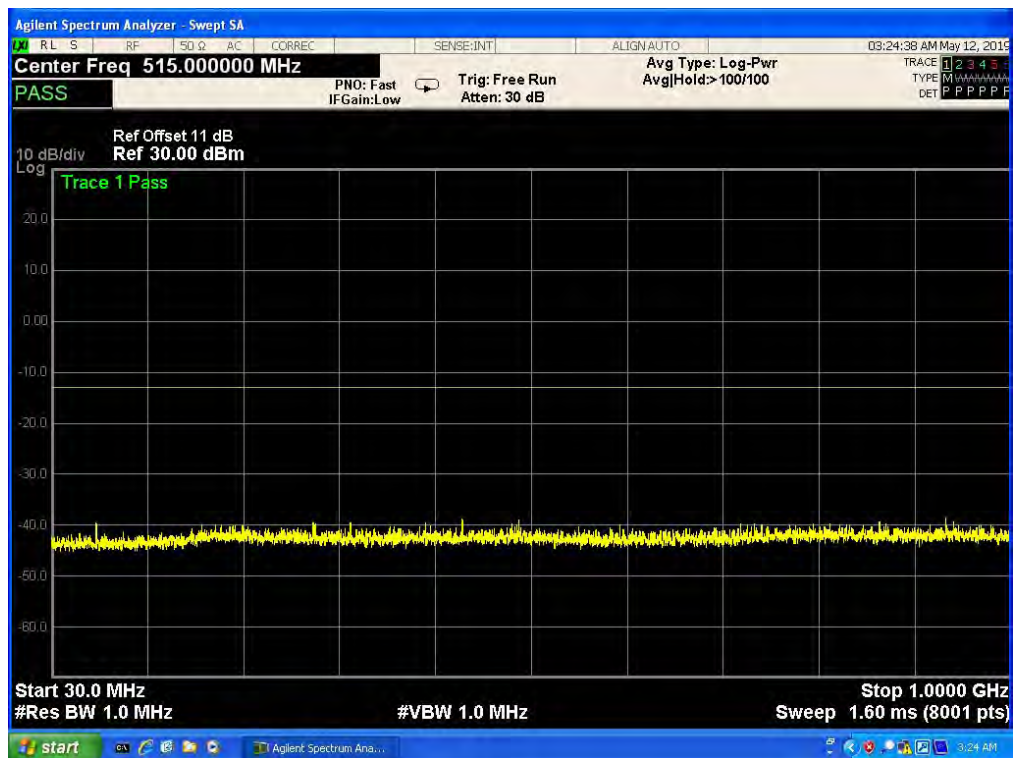
Band 4, UL Channel 20325, UL Frequency 1747.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



Band 4, UL Channel 20325, UL Frequency 1747.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



Band 4, UL Channel1 20325, UL Frequency 1747.5, BW 15.0, NO. RB 75, RB POS. Low, 16-QAM



Band 4, UL Channel1 20325, UL Frequency 1747.5, BW 15.0, NO. RB 75, RB POS. Low, 16-QAM

