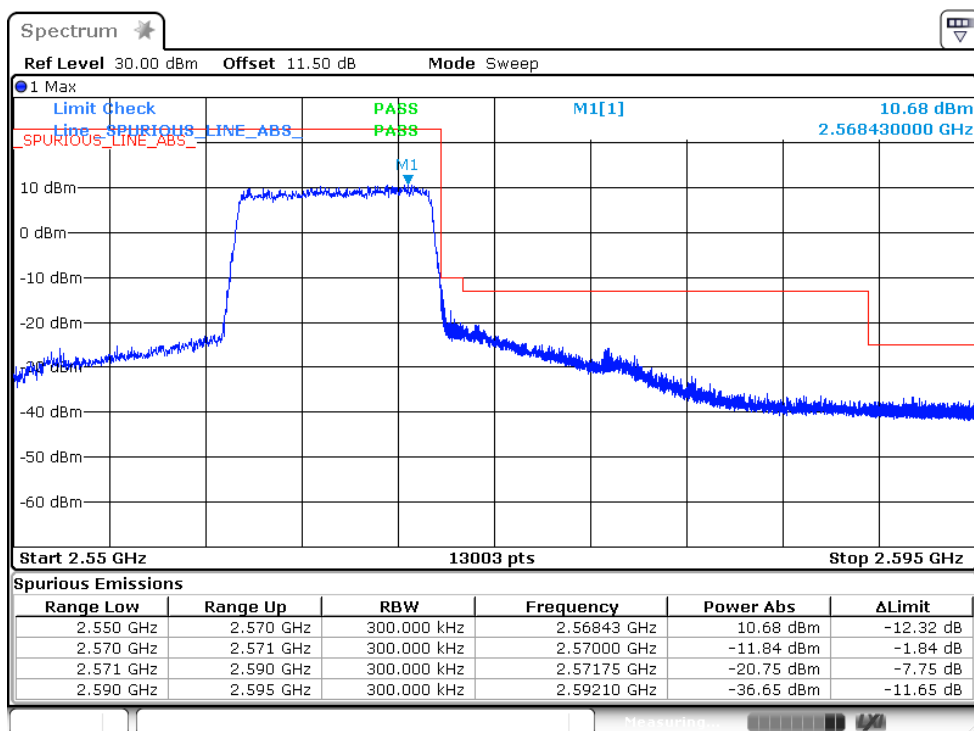
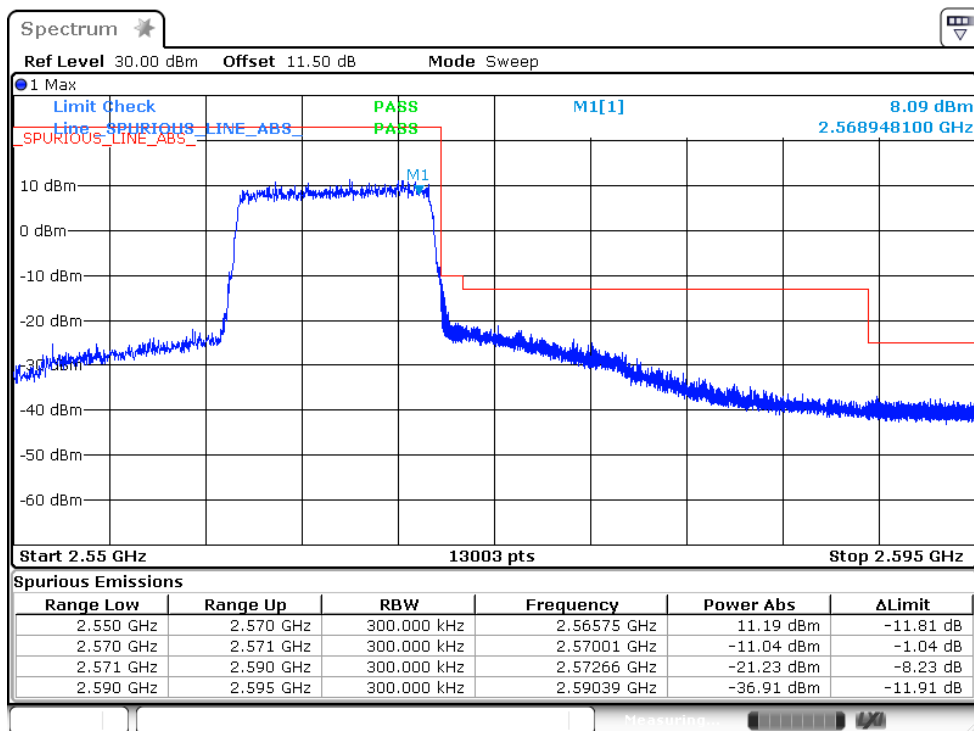


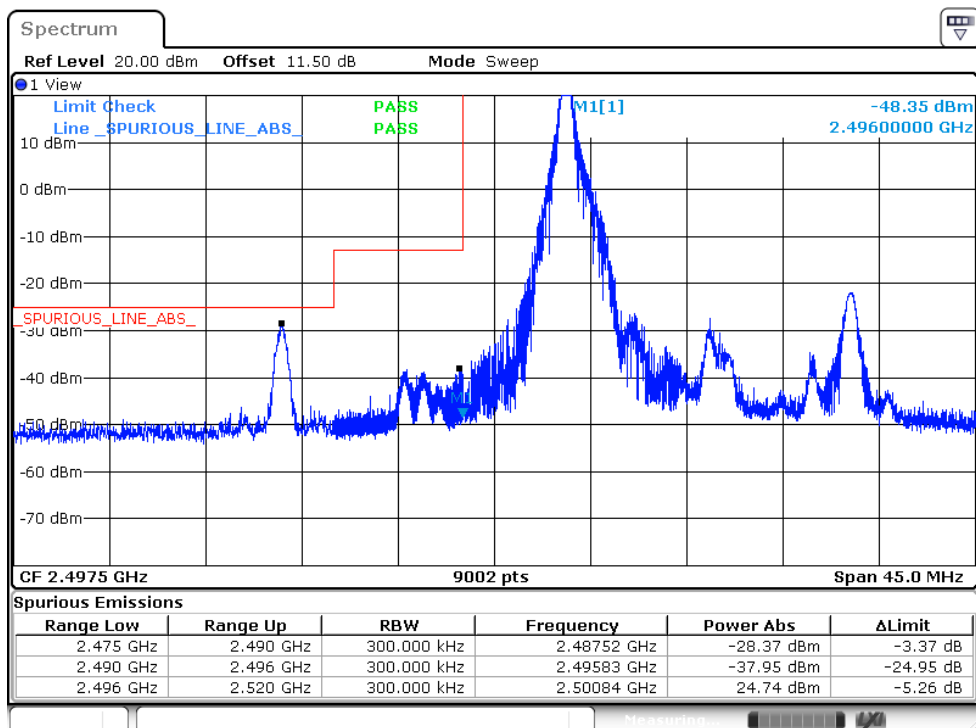
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. High, QPSK



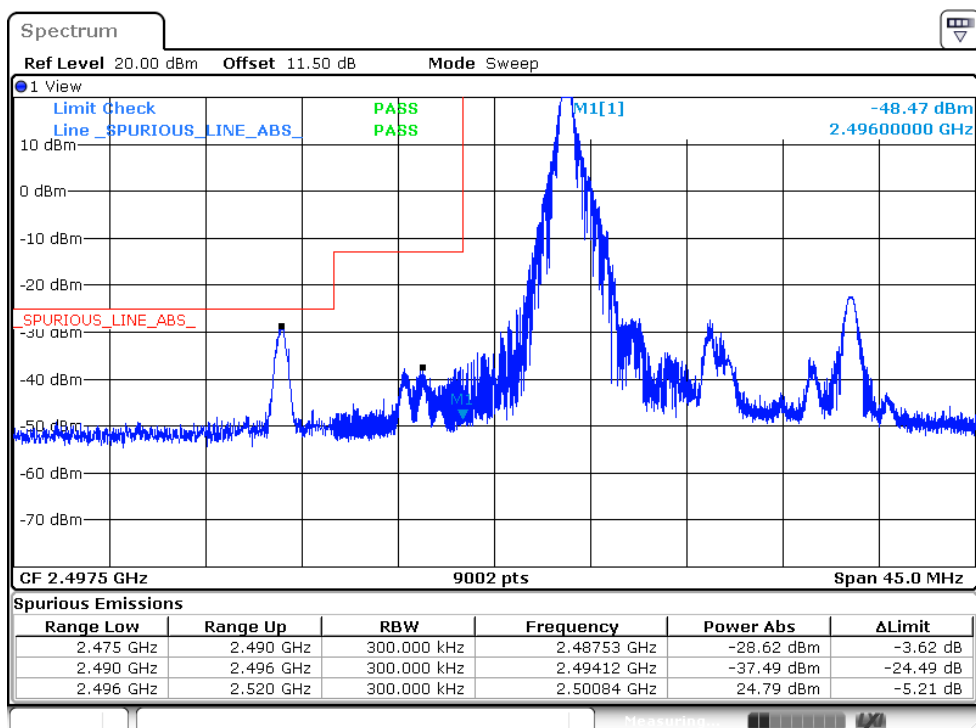
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. High, 16QAM



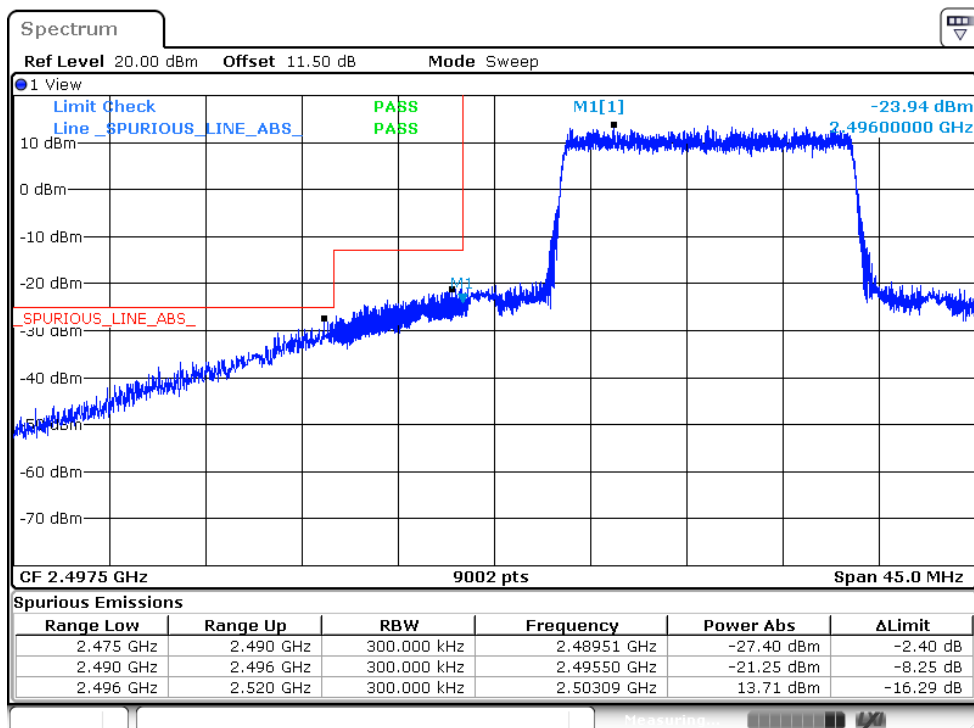
Band 7, UL Channel 20825, UL Frequency 2507.5, BW 15.0, NO. RB 1, RB POS. Low, QPSK



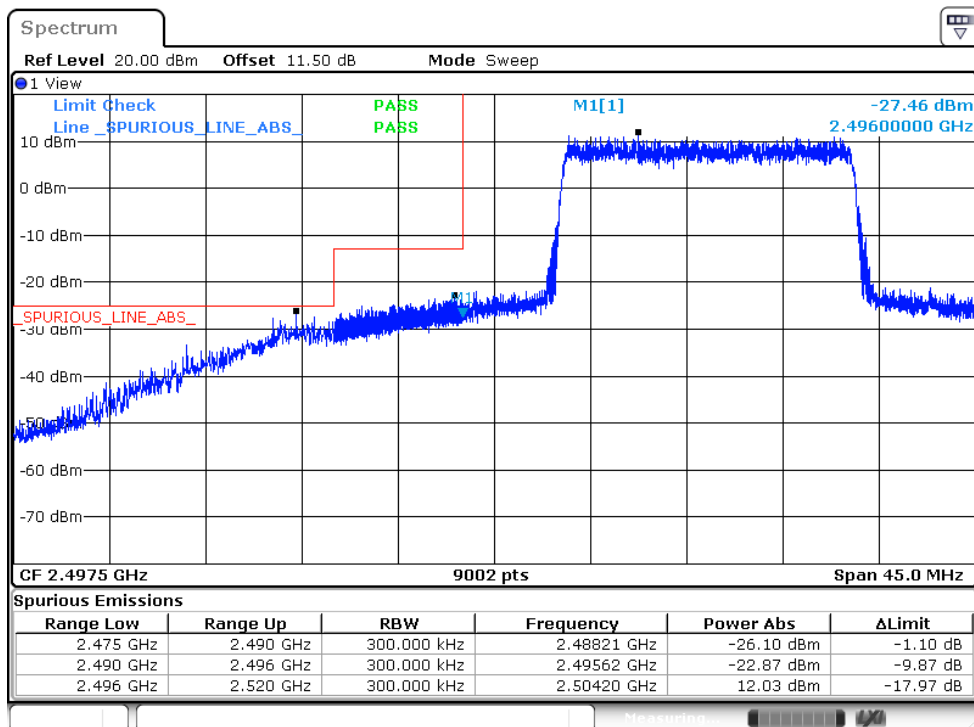
Band 7, UL Channel 20825, UL Frequency 2507.5, BW 15.0, NO. RB 1, RB POS. Low, 16QAM



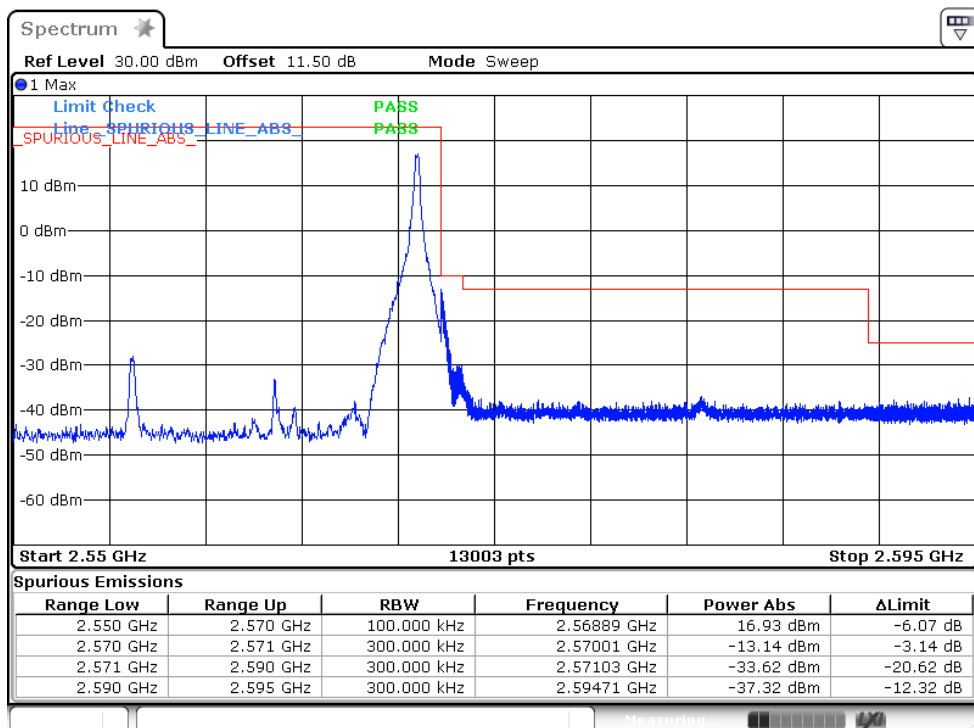
Band 7, UL Channel 1 20825, UL Frequency 2507.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



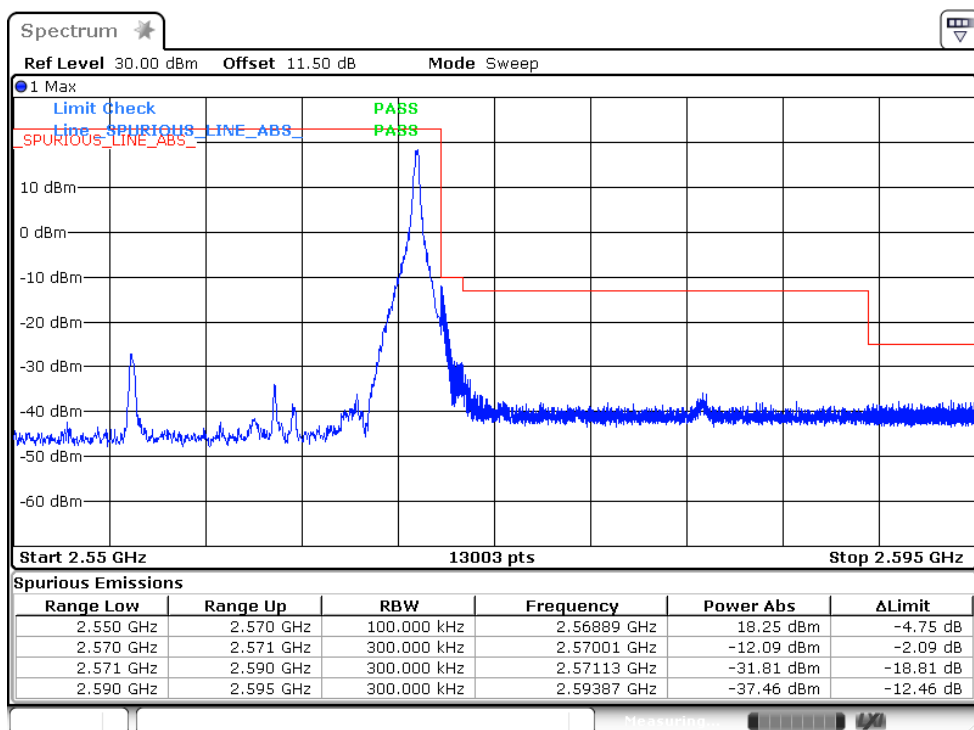
Band 7, UL Channel 1 20825, UL Frequency 2507.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



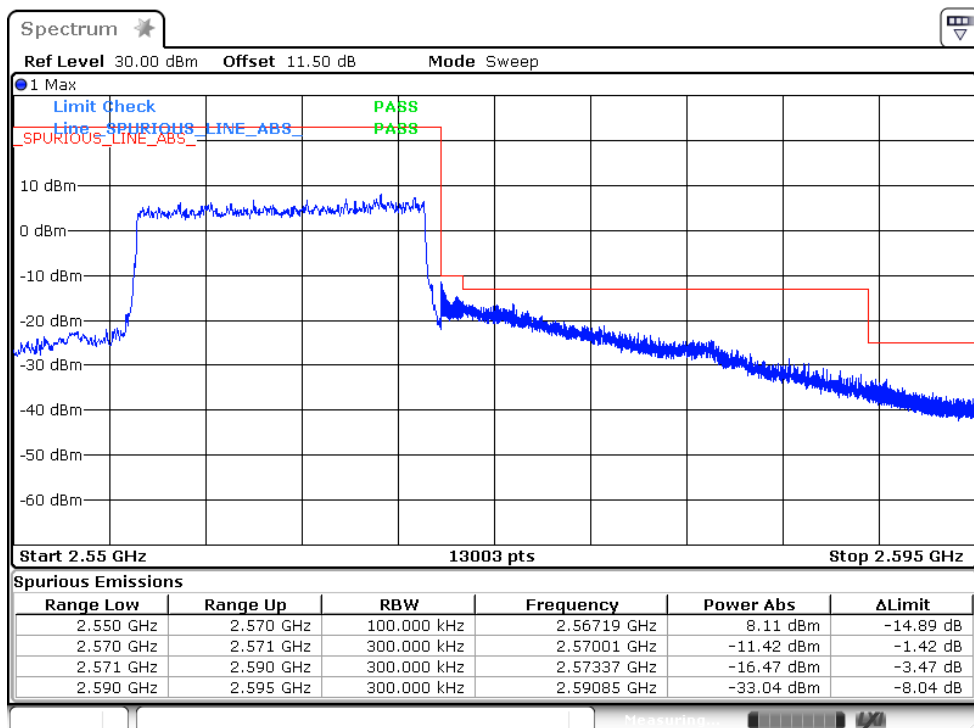
Band 7, UL Channel 21375, UL Frequency 2562.5, BW 15.0, NO. RB 1, RB POS. High, QPSK



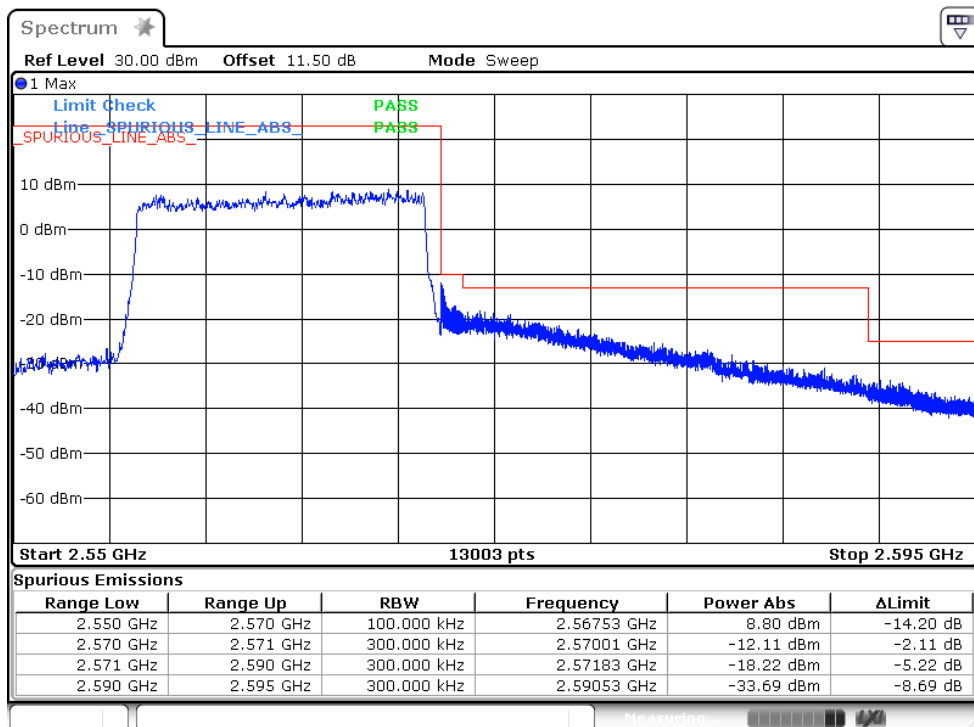
Band 7, UL Channel 21375, UL Frequency 2562.5, BW 15.0, NO. RB 1, RB POS. High, 16QAM



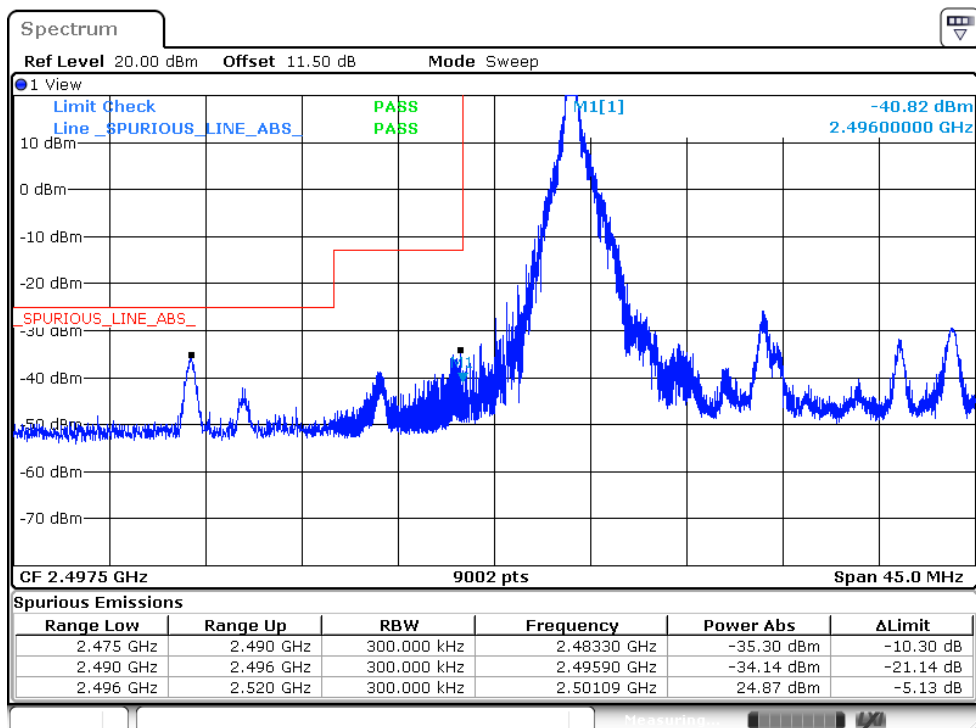
Band 7, UL Channel 21375, UL Frequency 2562.5, BW 15.0, NO. RB 75, RB POS. High, QPSK



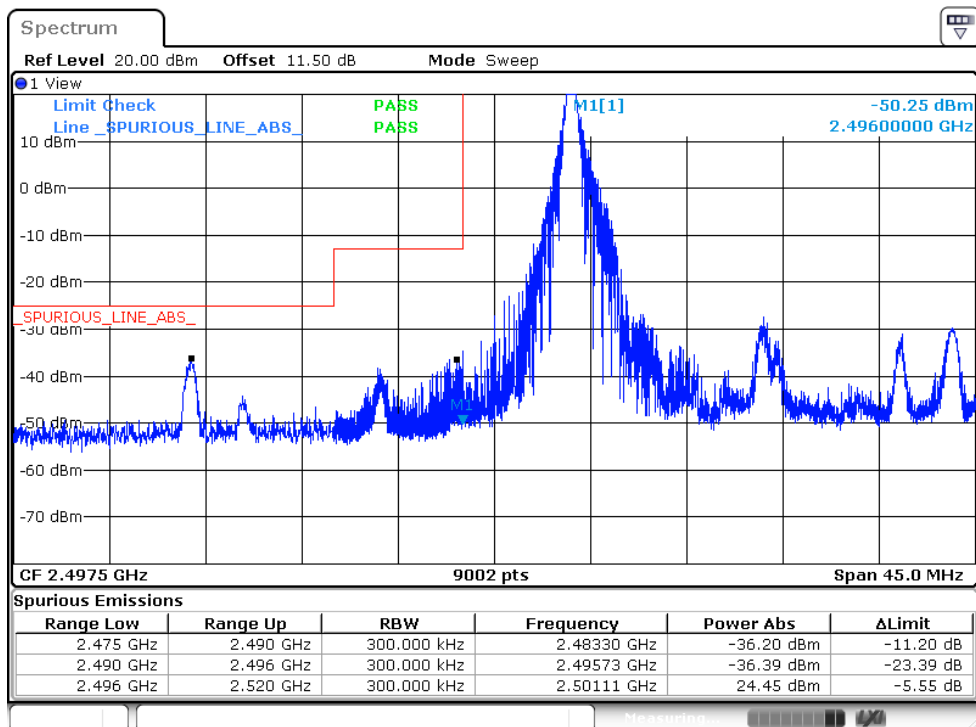
Band 7, UL Channel 21375, UL Frequency 2562.5, BW 15.0, NO. RB 75, RB POS. High, 16QAM



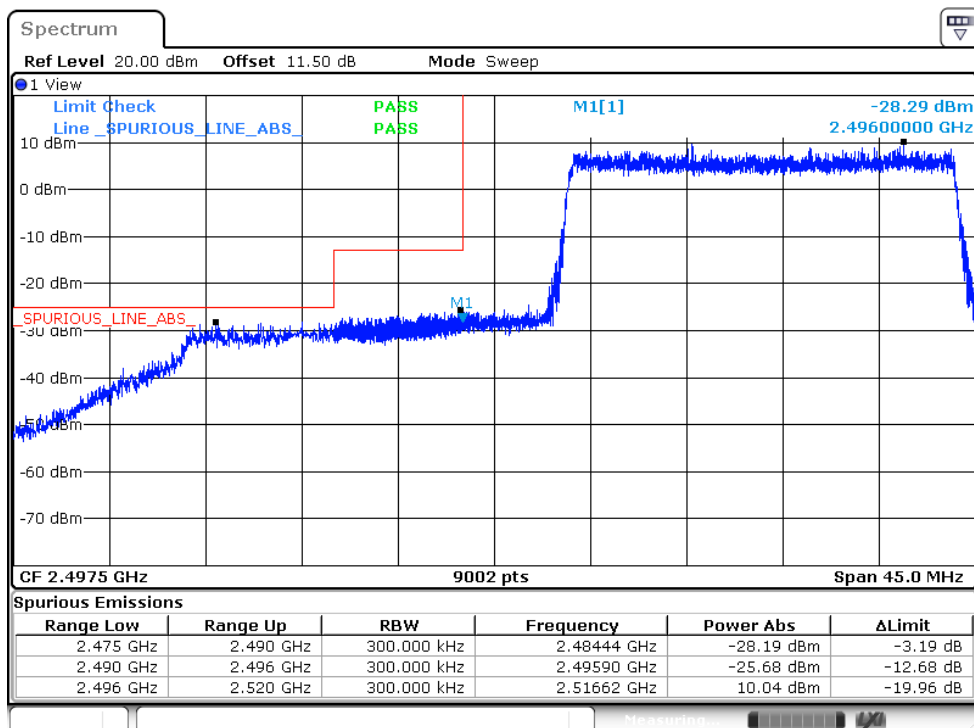
Band 7, UL Channel 20850, UL Frequency 2510.0, BW 20.0, NO. RB 1, RB POS. Low, QPSK



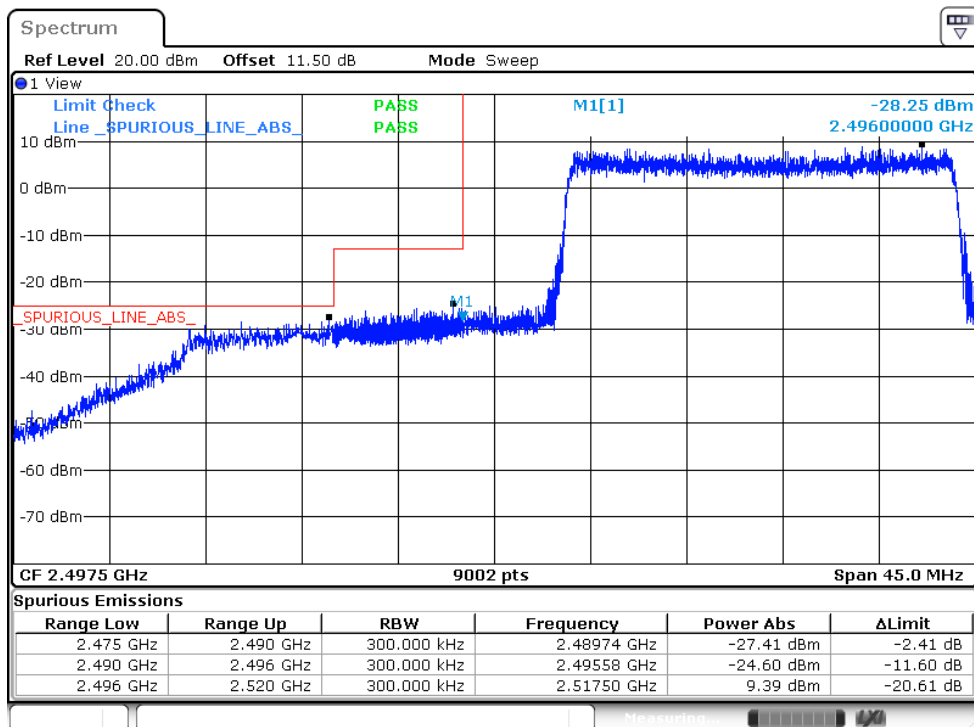
Band 7, UL Channel 20850, UL Frequency 2510.0, BW 20.0, NO. RB 1, RB POS. Low, 16qam



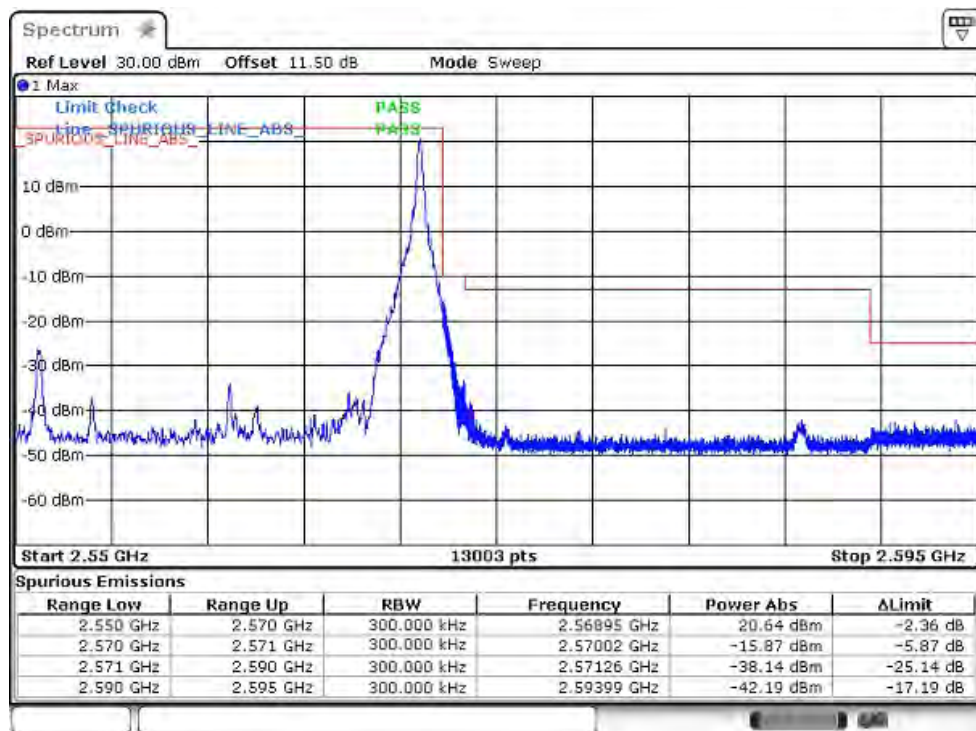
Band 7, UL Channel1 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



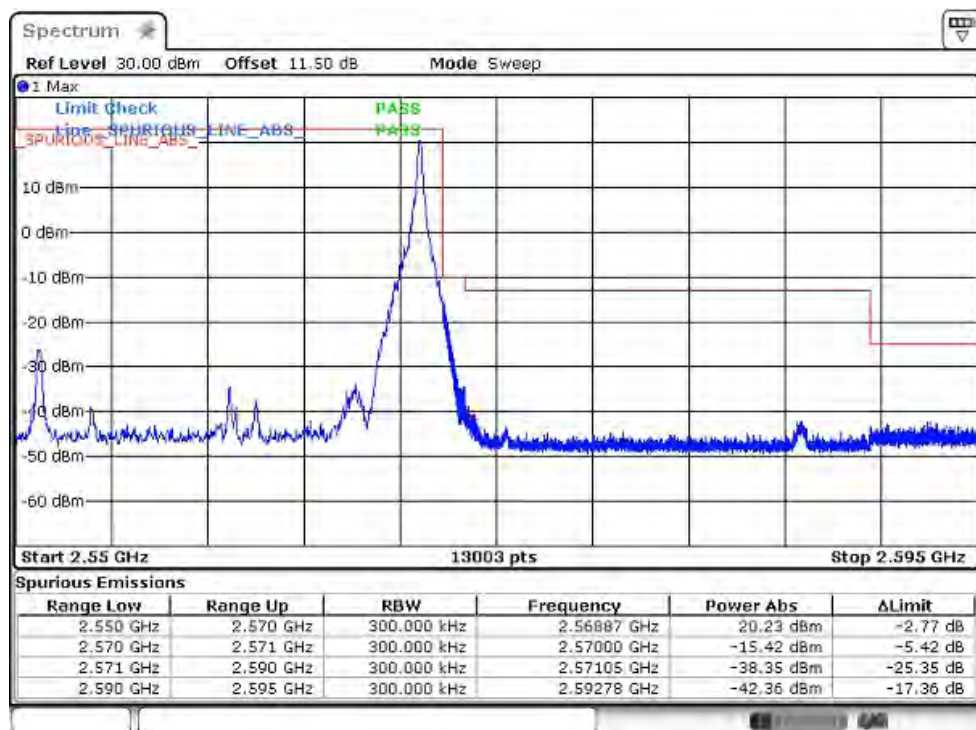
Band 7, UL Channel1 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



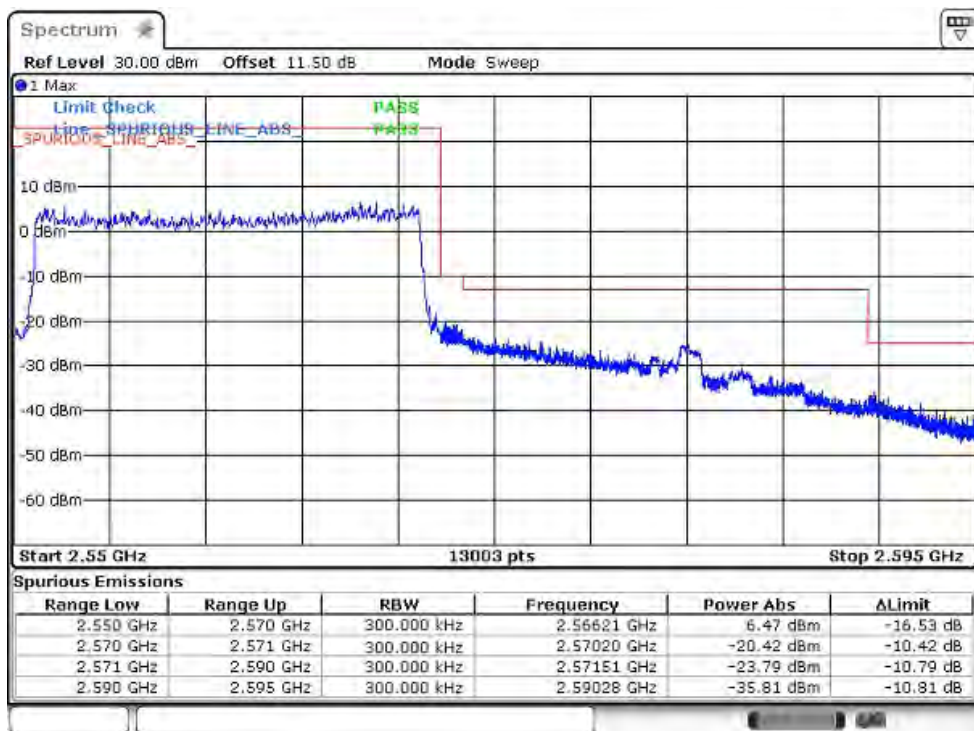
Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 1, RB POS. Low, QPSK



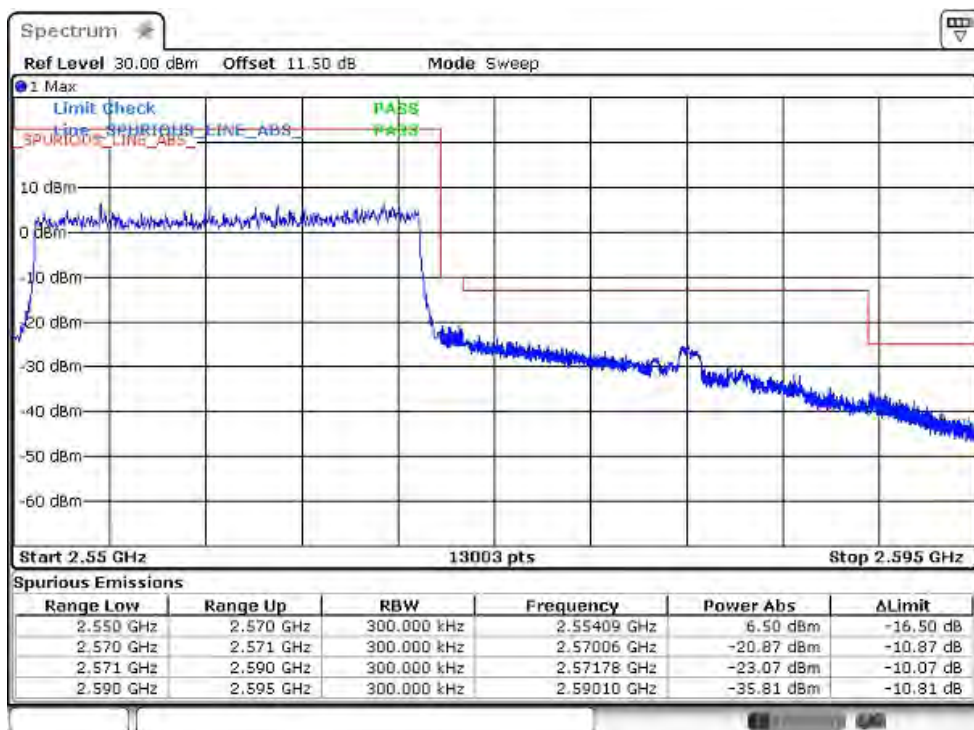
Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 1, RB POS. Low, 16QAM



Band 7, UL Channel1 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



Band 7, UL Channel1 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM

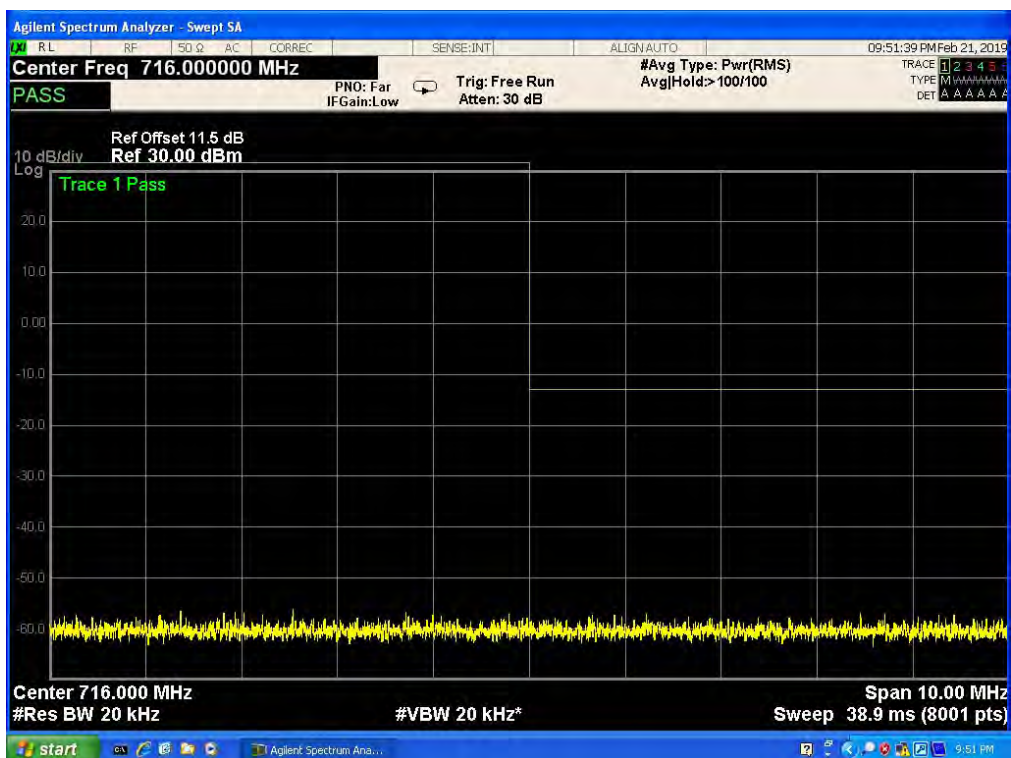


6.5 LTE BAND 12

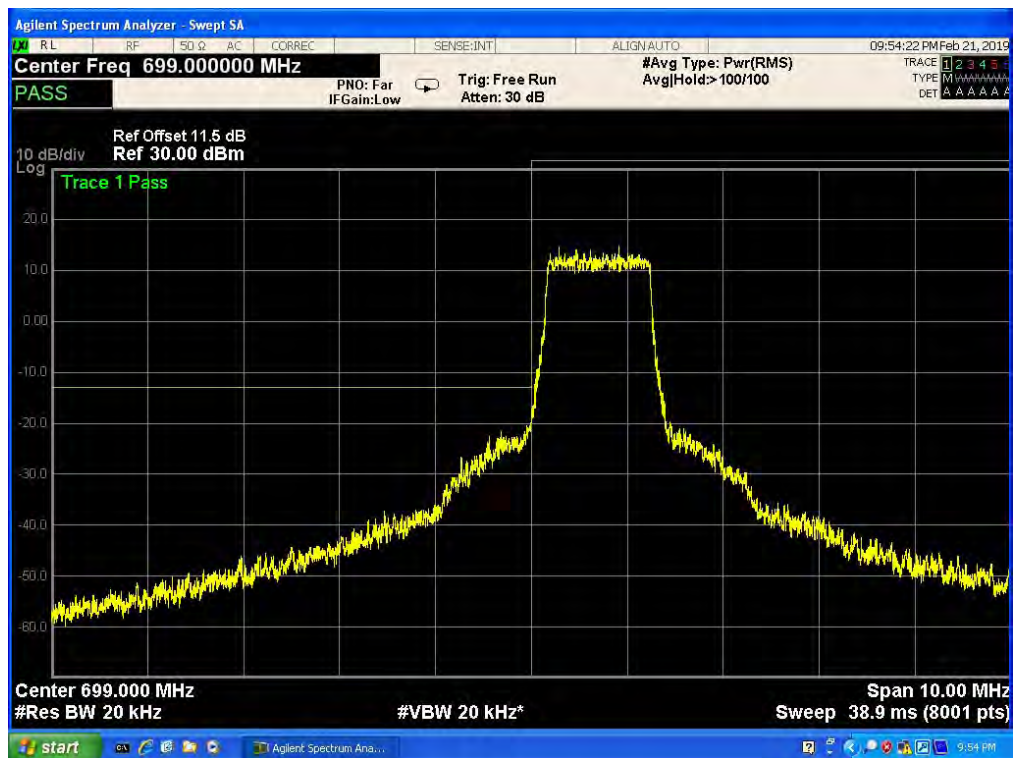
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



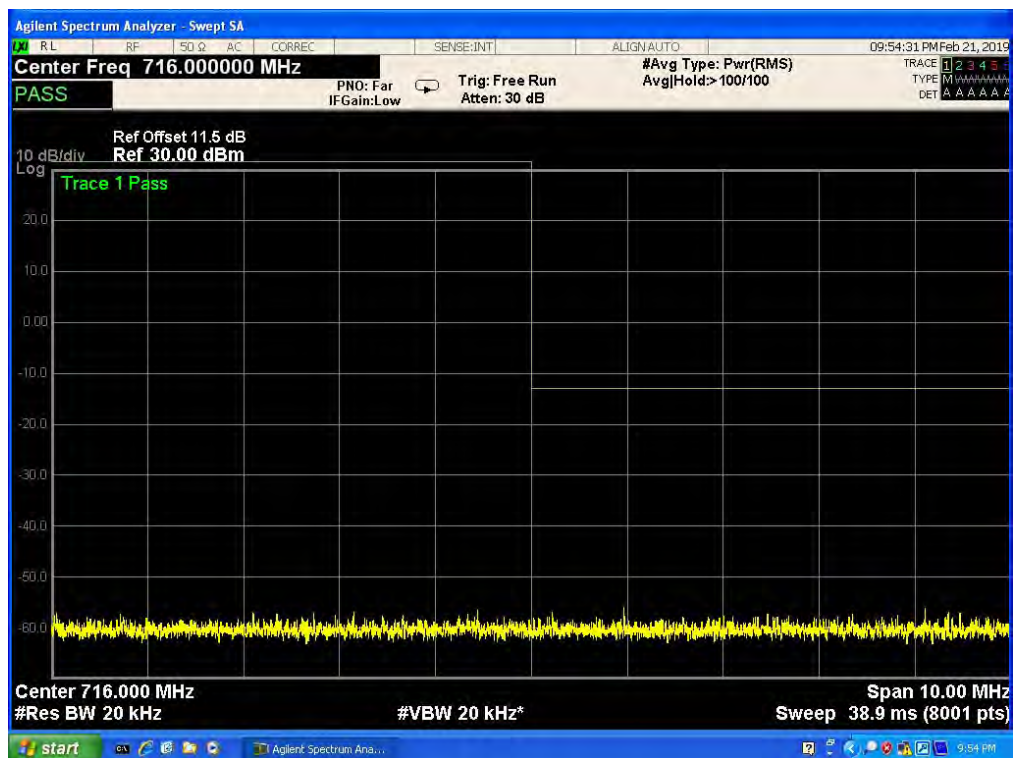
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



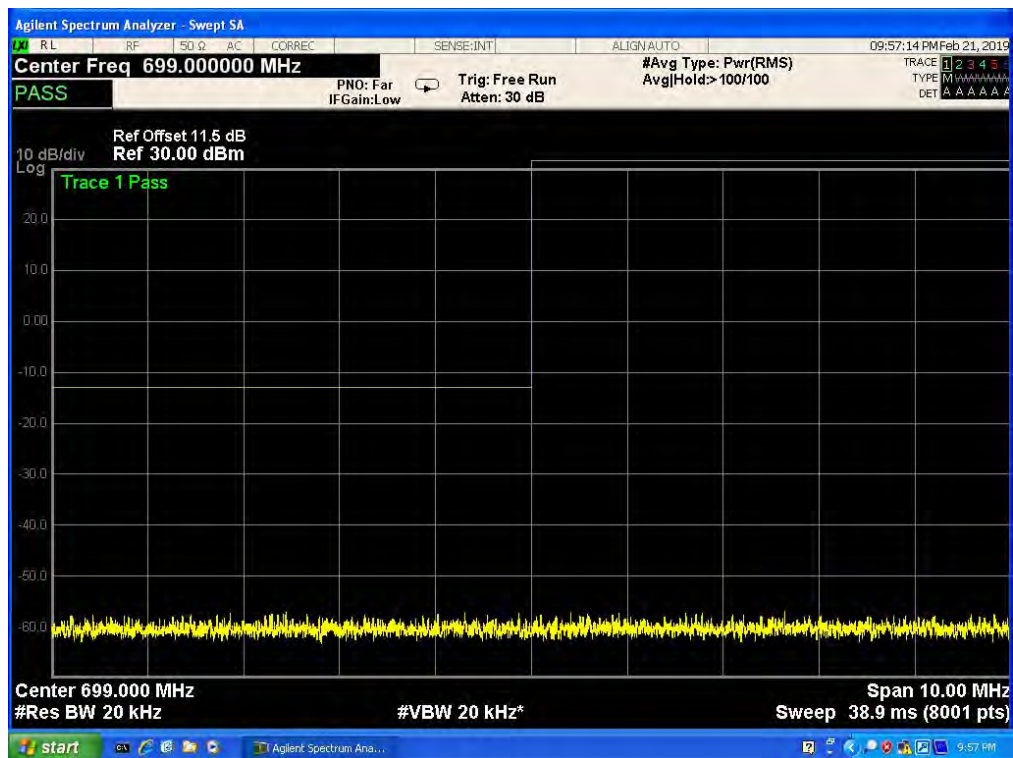
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



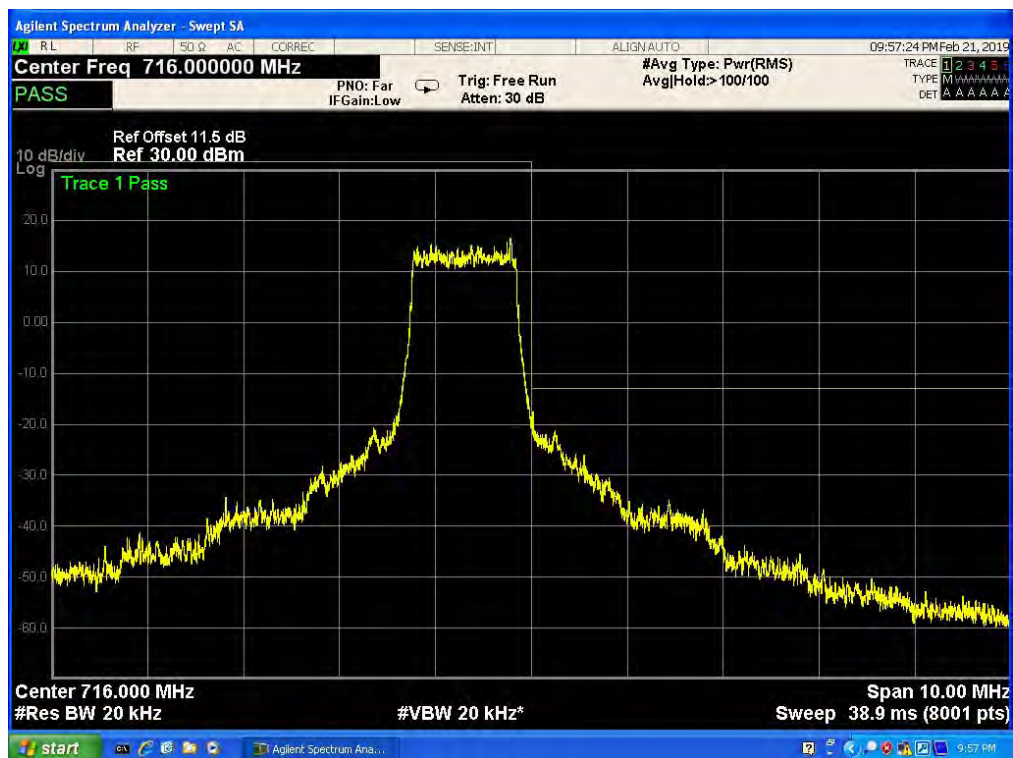
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



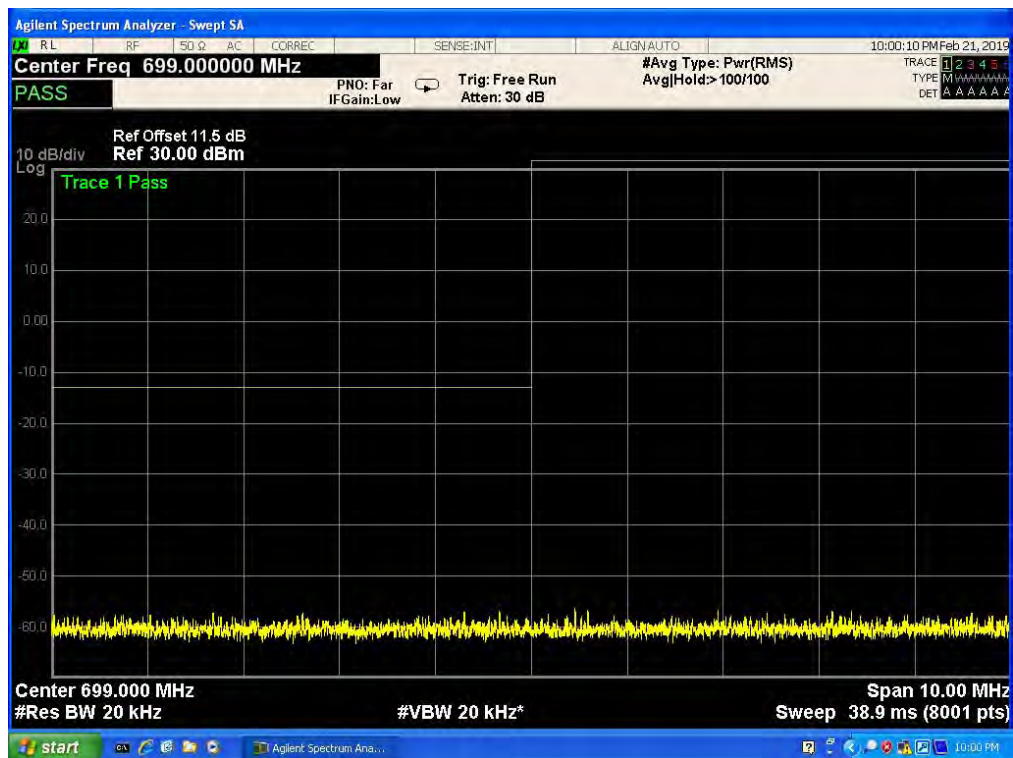
Band 12, UL Channel1 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



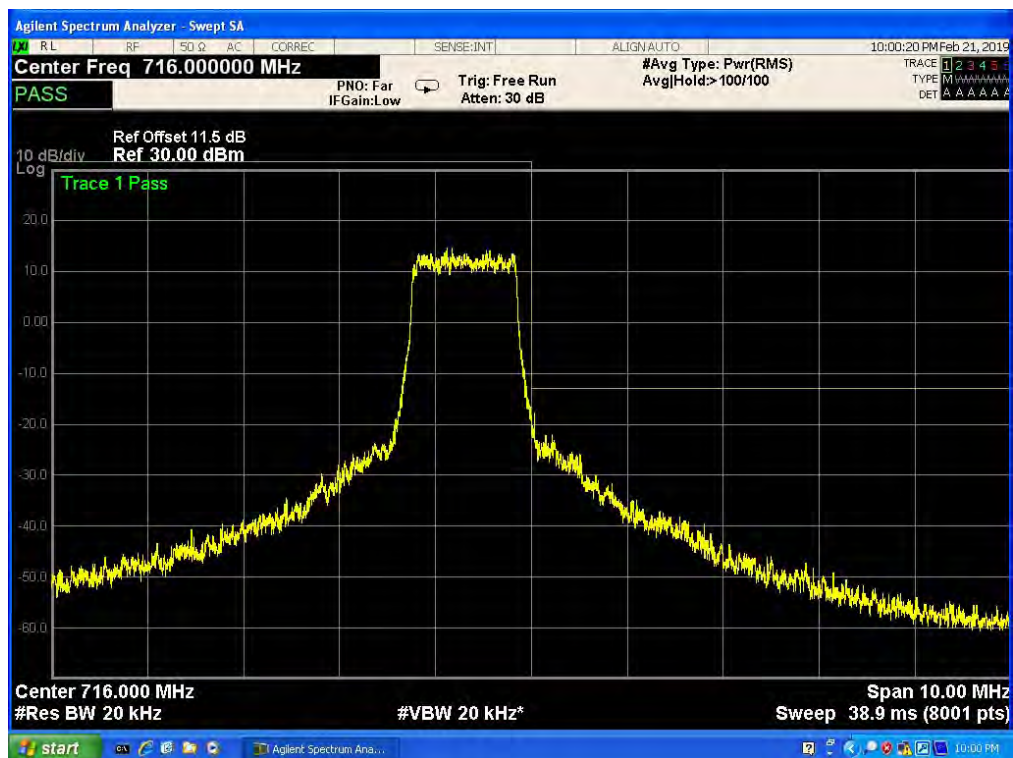
Band 12, UL Channel1 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



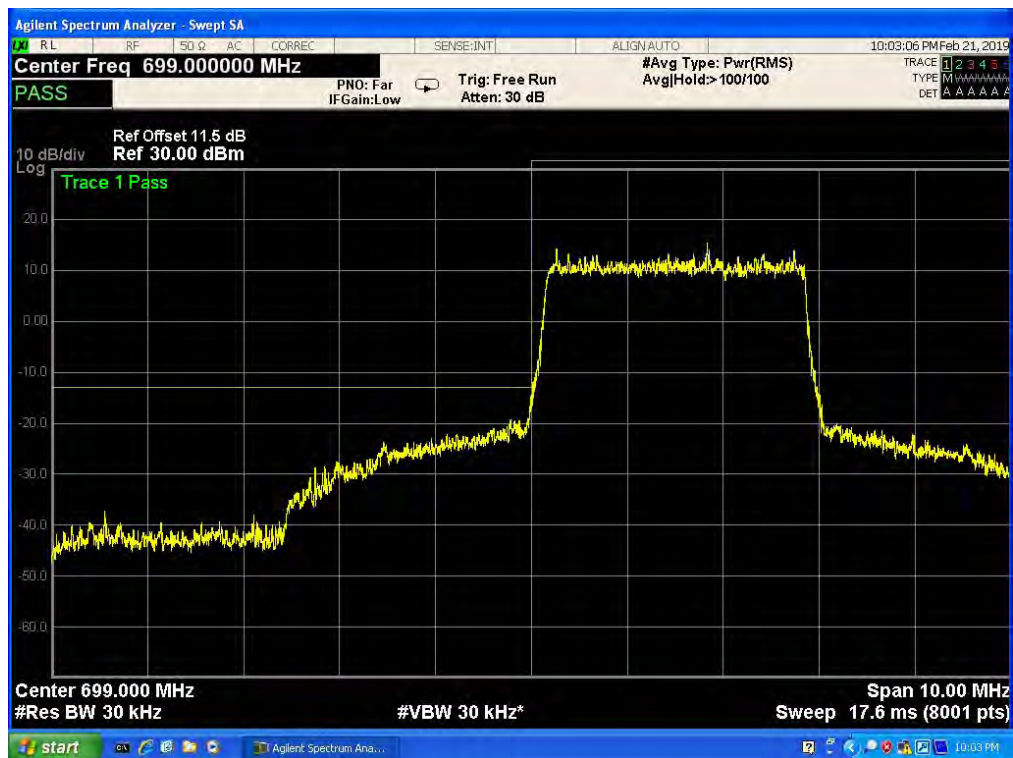
Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



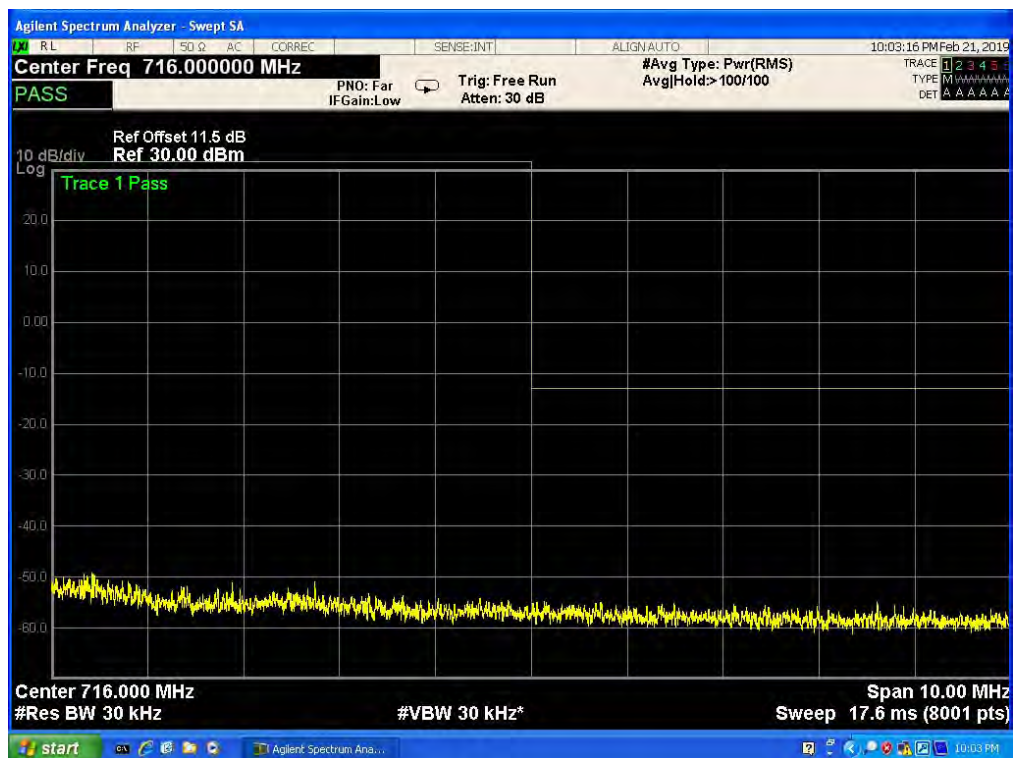
Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



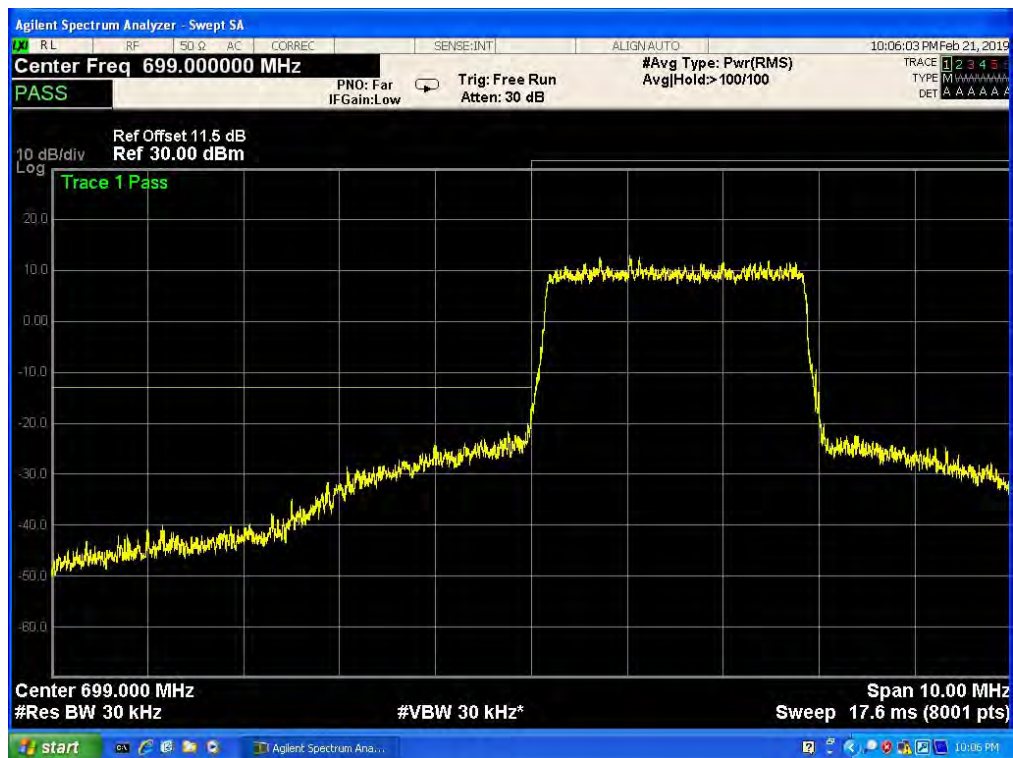
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



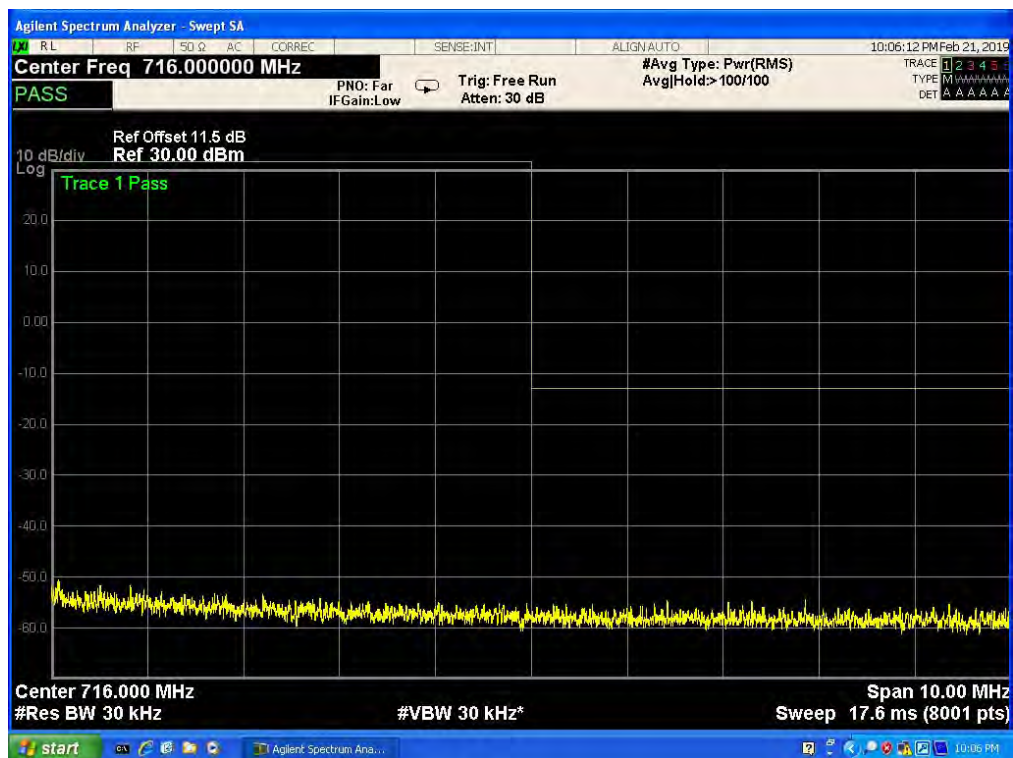
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



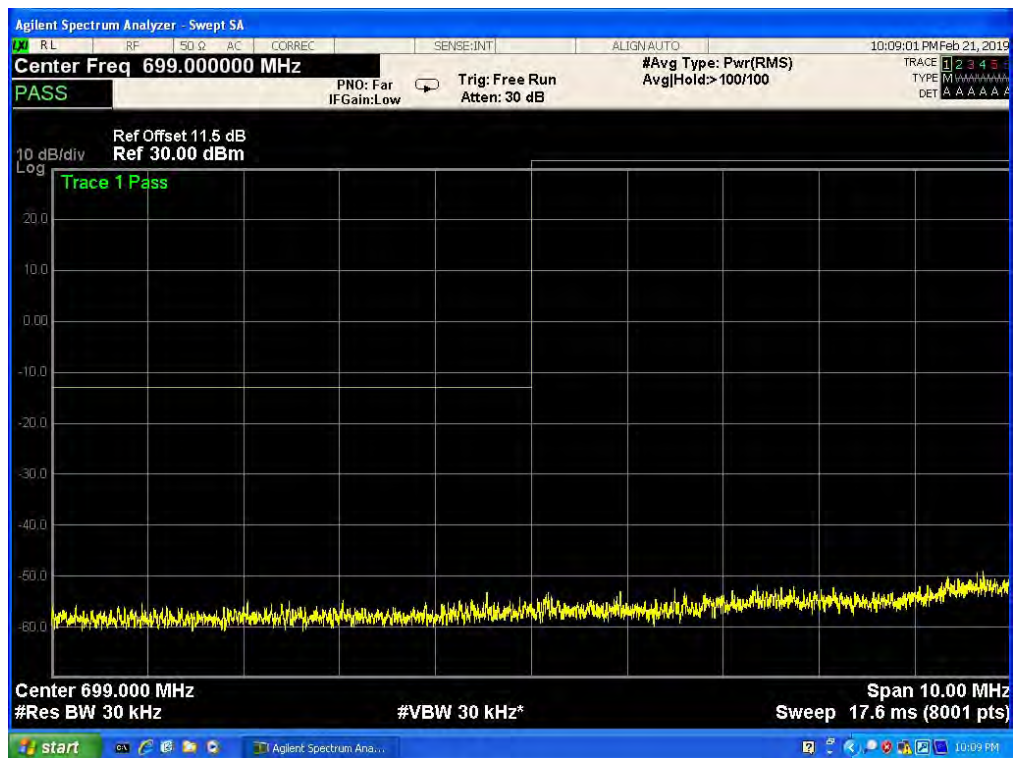
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



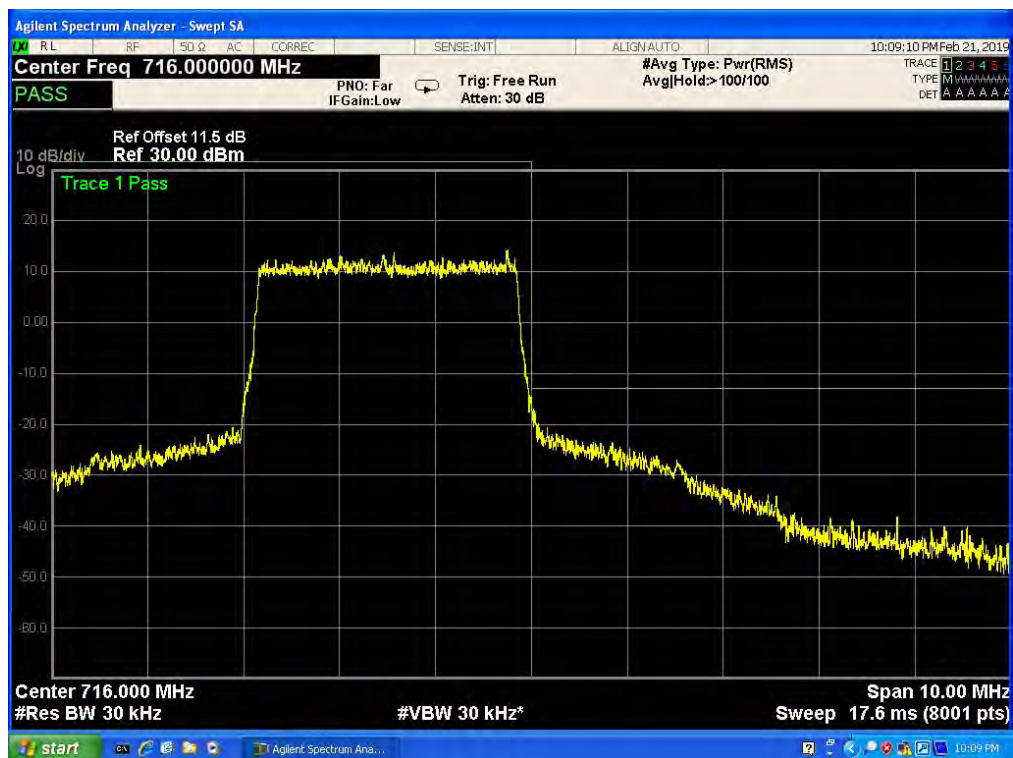
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



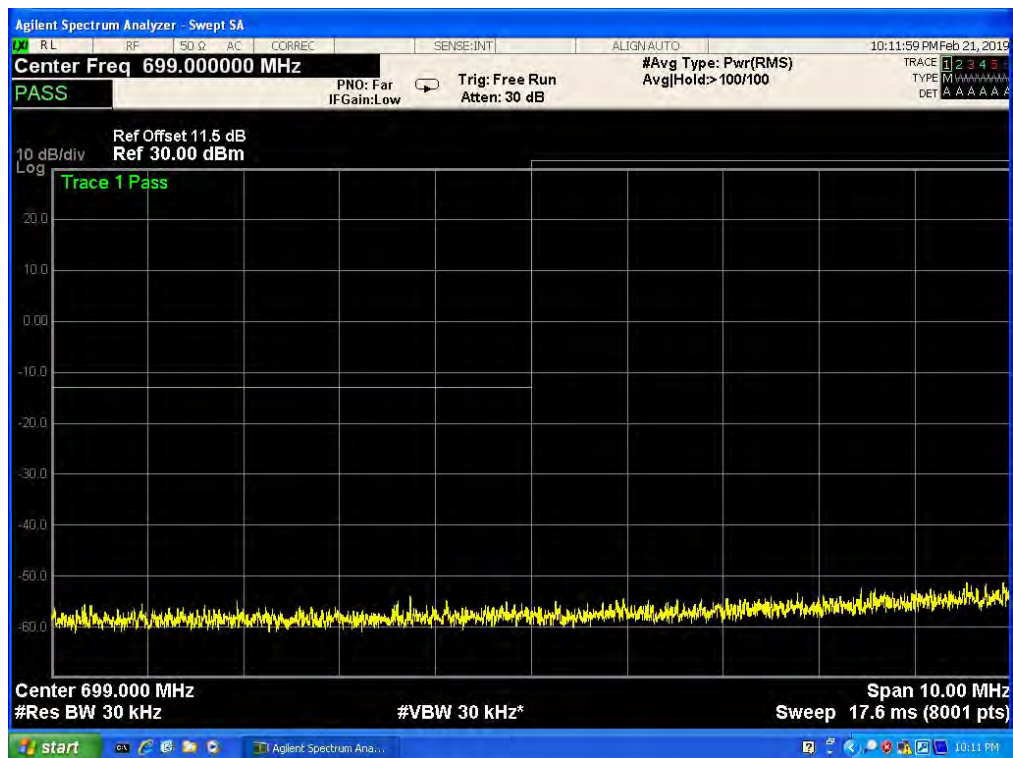
Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



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



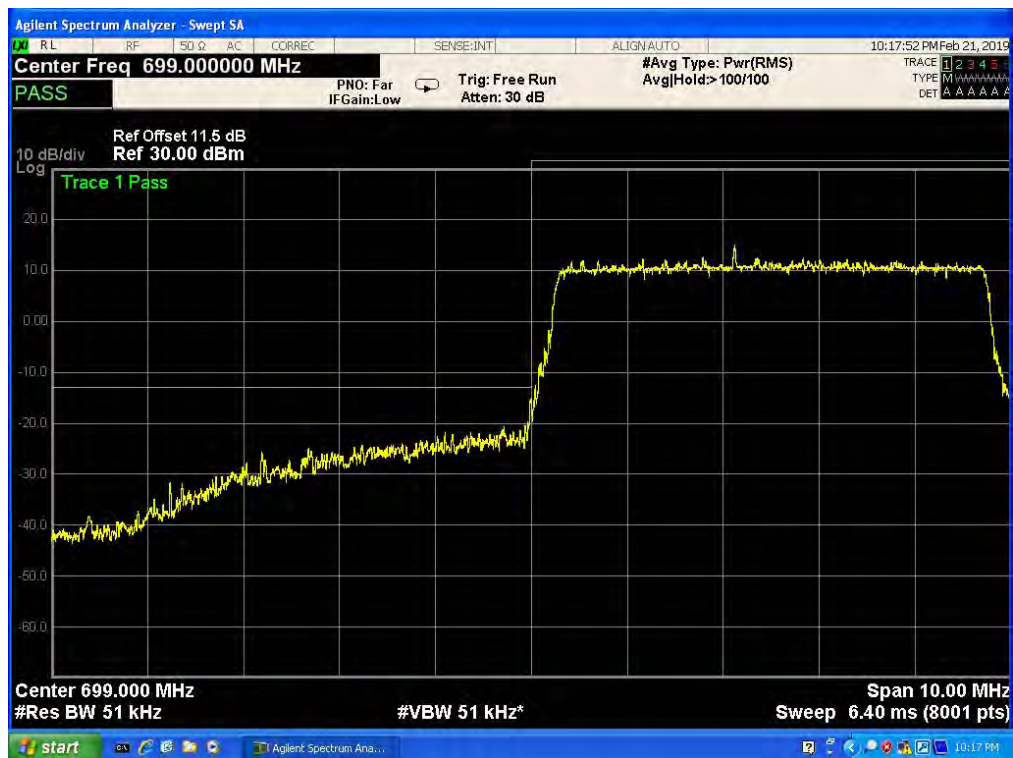
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



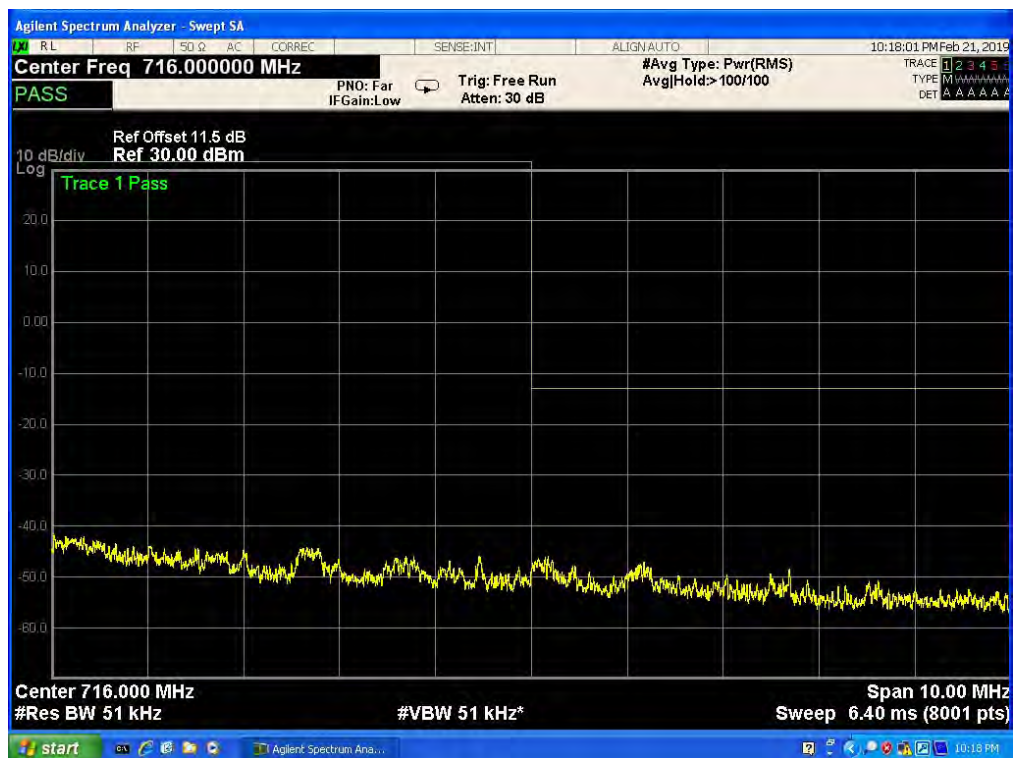
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



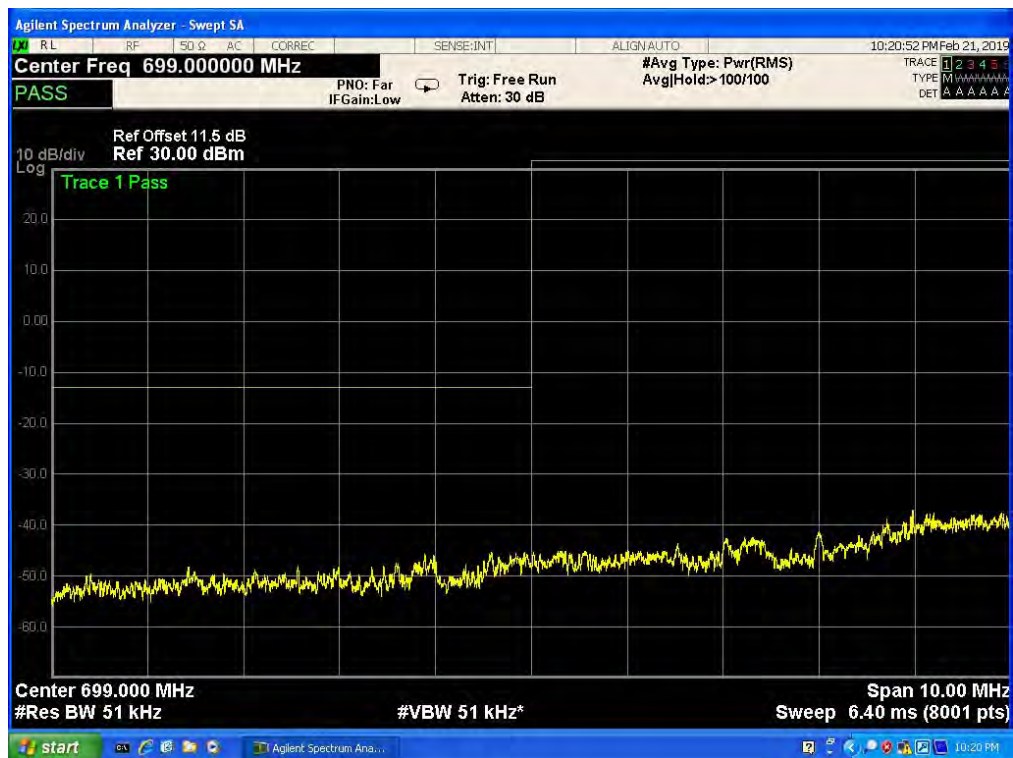
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



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



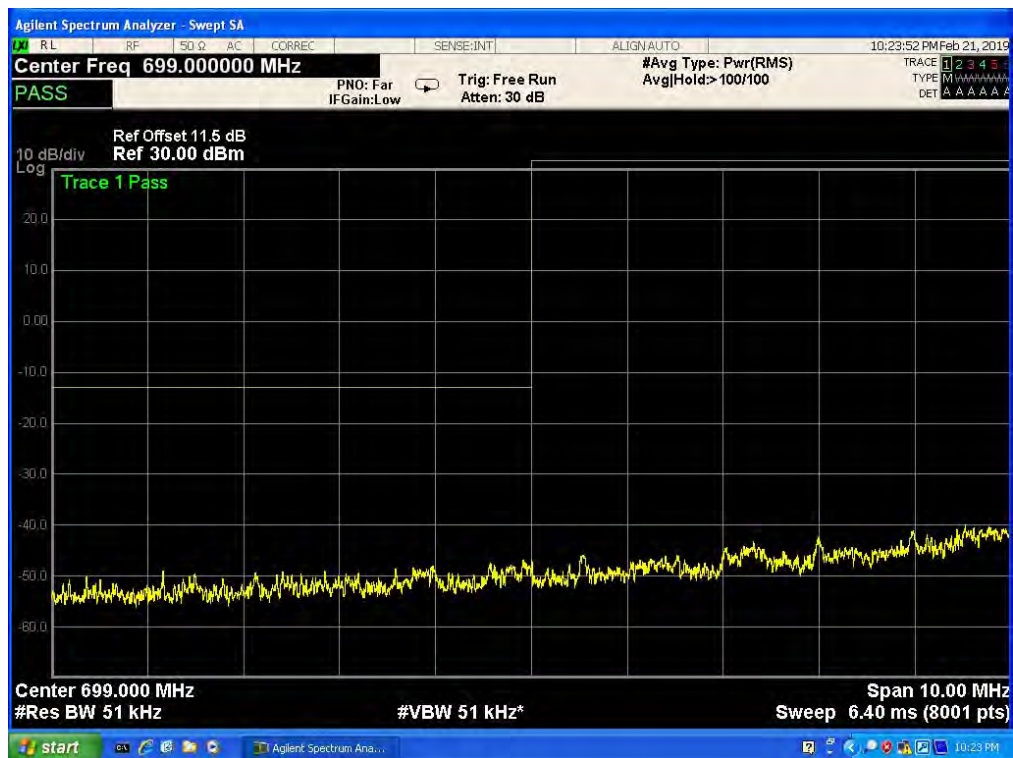
Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



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

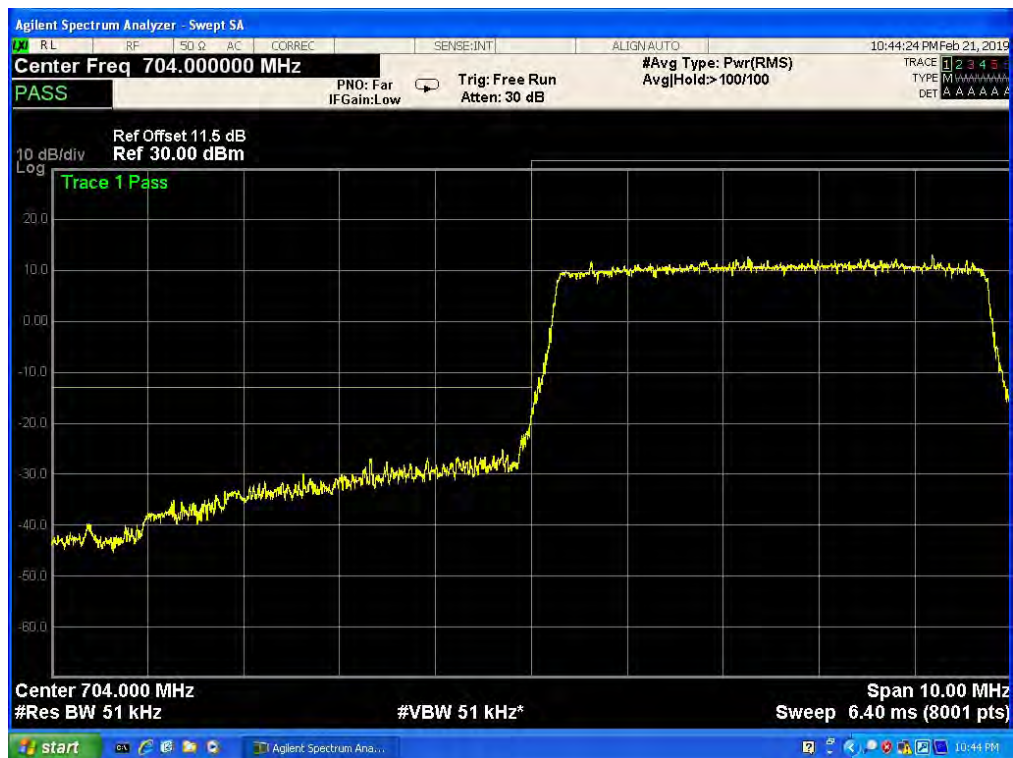
Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



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



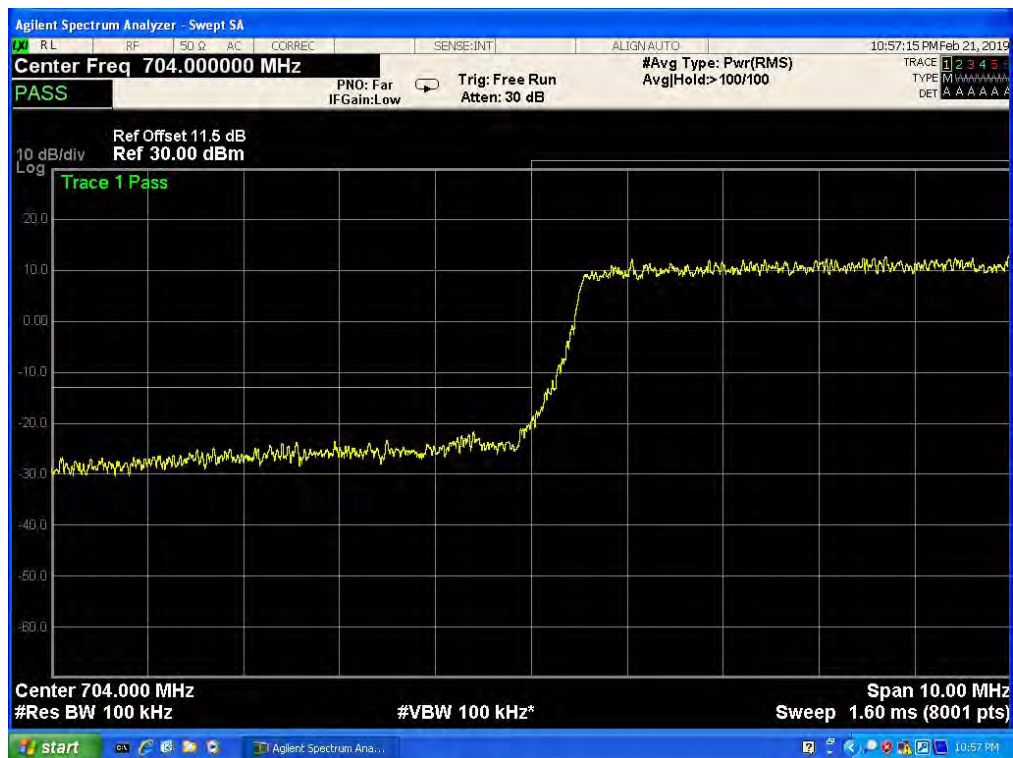
Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



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

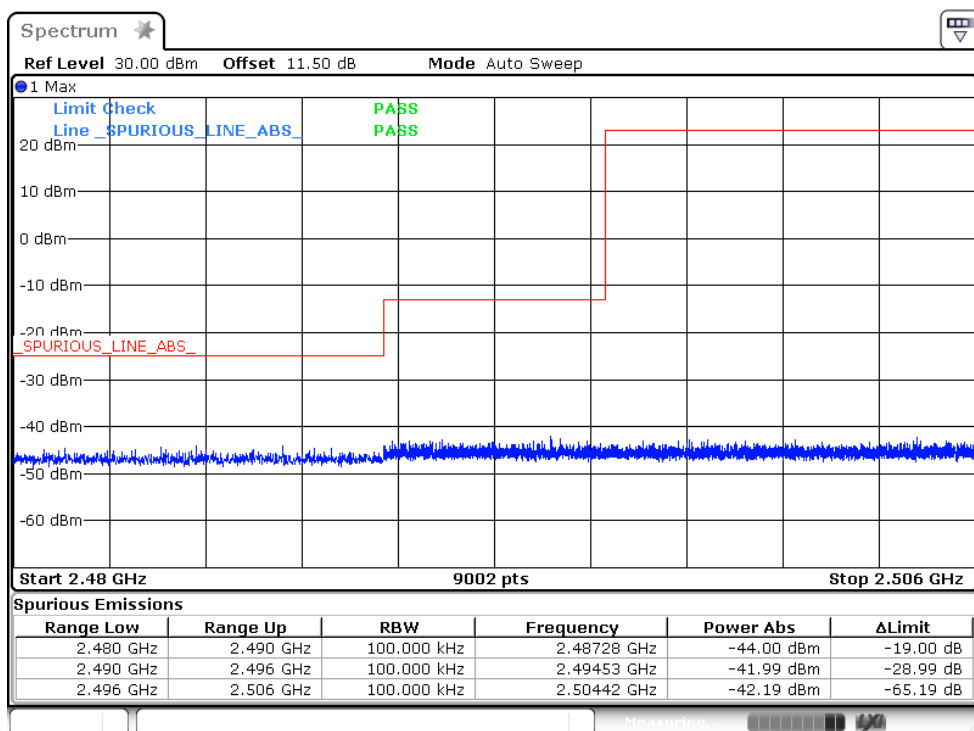


Band 17, UL Channel 23800, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM

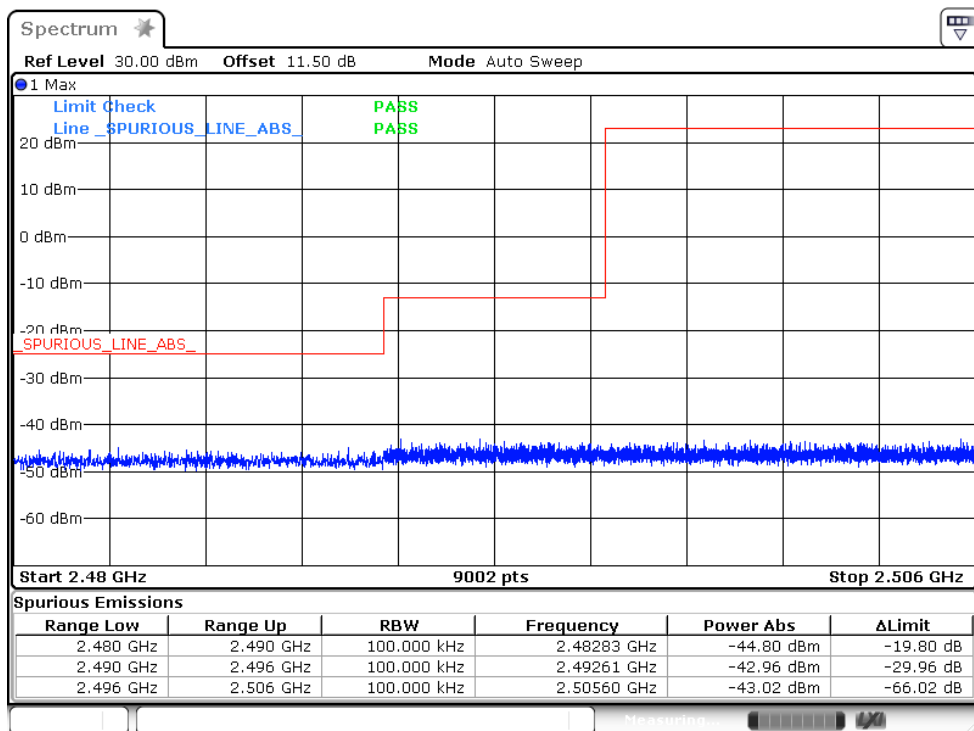


6.7 LTE BAND 41

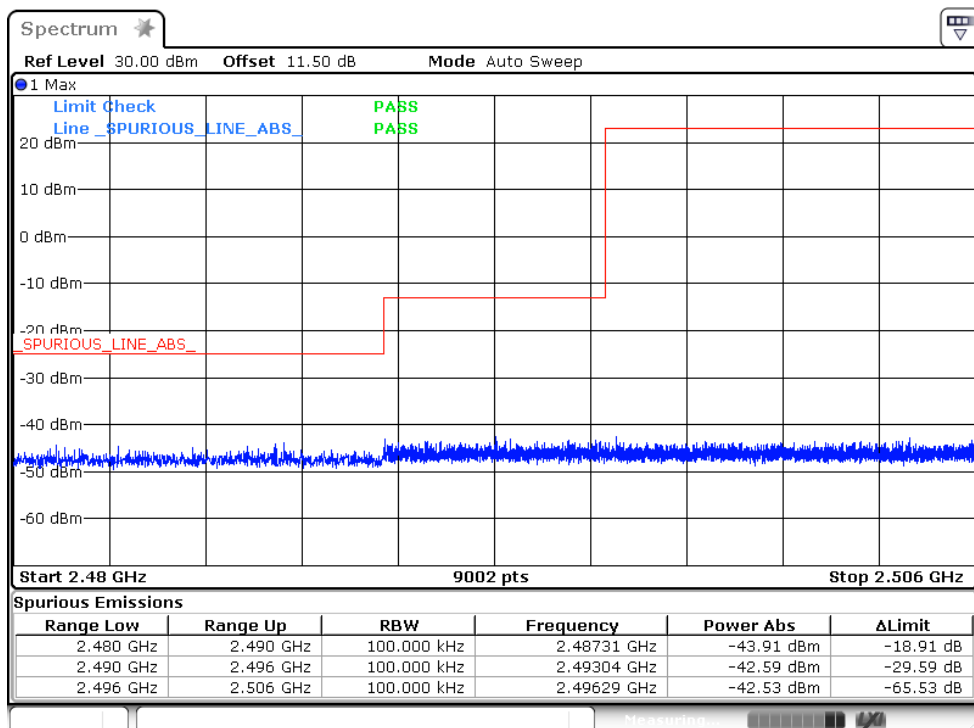
Band 41, UL Channel 40240, UL Frequency 2555.0, BW 5.0, NO. RB 1, RB POS. Low, QPSK



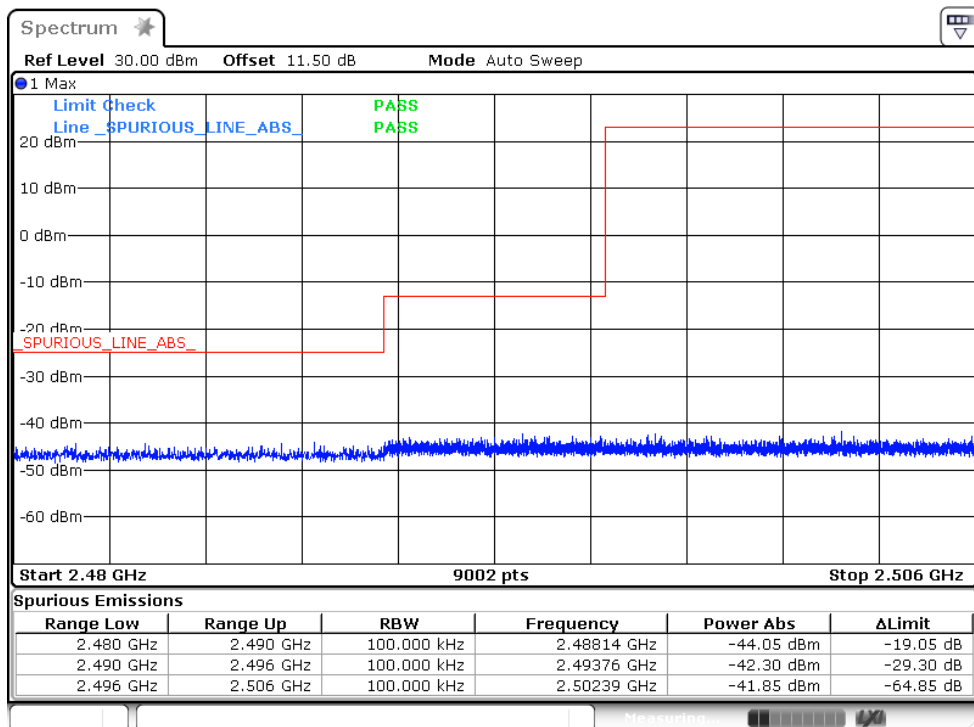
Band 41, UL Channel 40240, UL Frequency 2555.0, BW 5.0, NO. RB 1, RB POS. Low, 16QAM



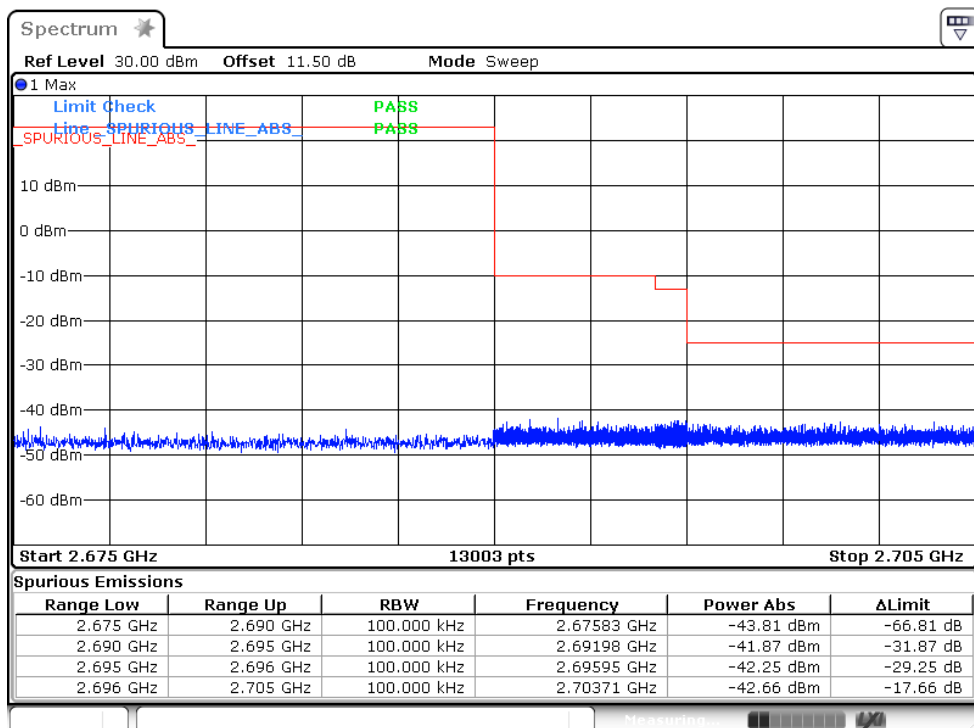
Band 41, UL Channel1 40240, UL Frequency 2555.0, BW 5.0, NO. RB 25, RB POS. Low, QPSK



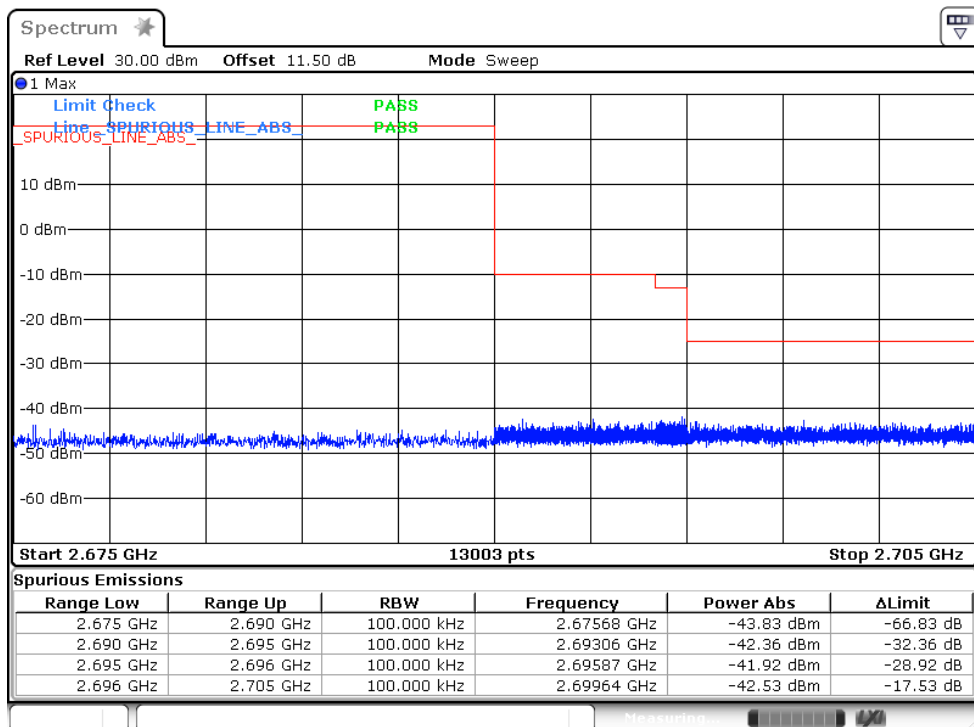
Band 41, UL Channel1 40240, UL Frequency 2555.0, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



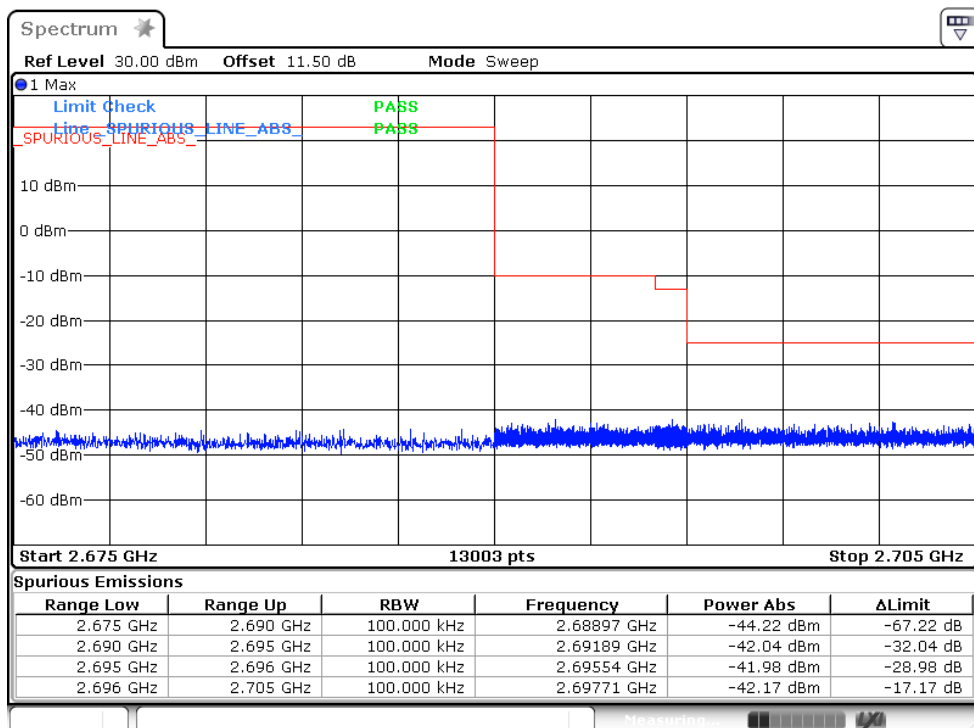
Band 41, UL Channel 41240, UL Frequency 2655.0, BW 5.0, NO. RB 1, RB POS. Low, QPSK



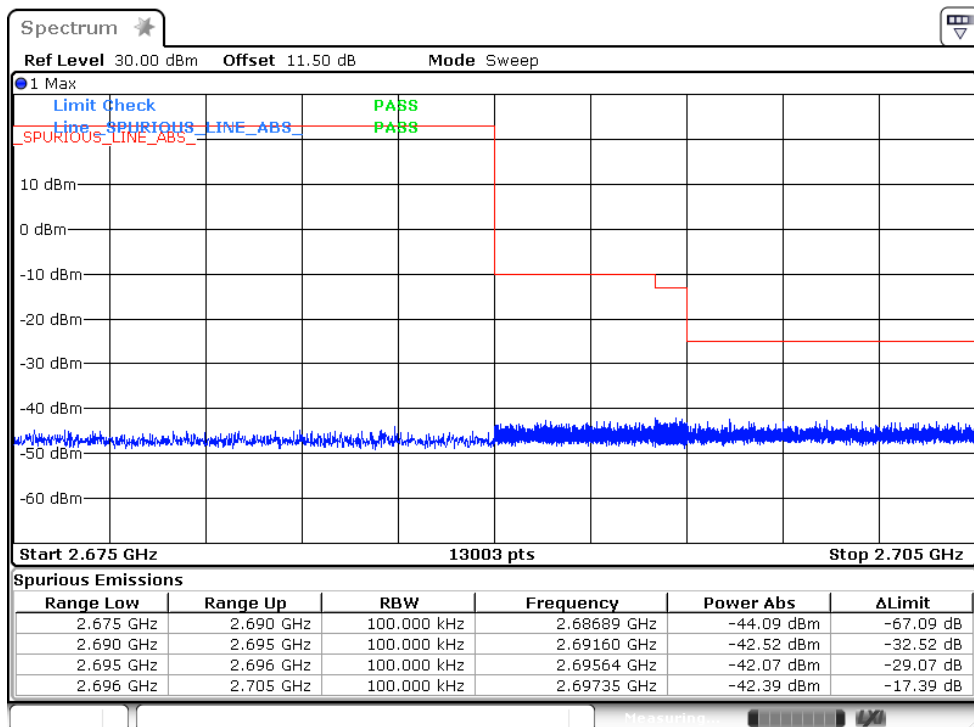
Band 41, UL Channel 41240, UL Frequency 2655.0, BW 5.0, NO. RB 1, RB POS. Low, 16QAM



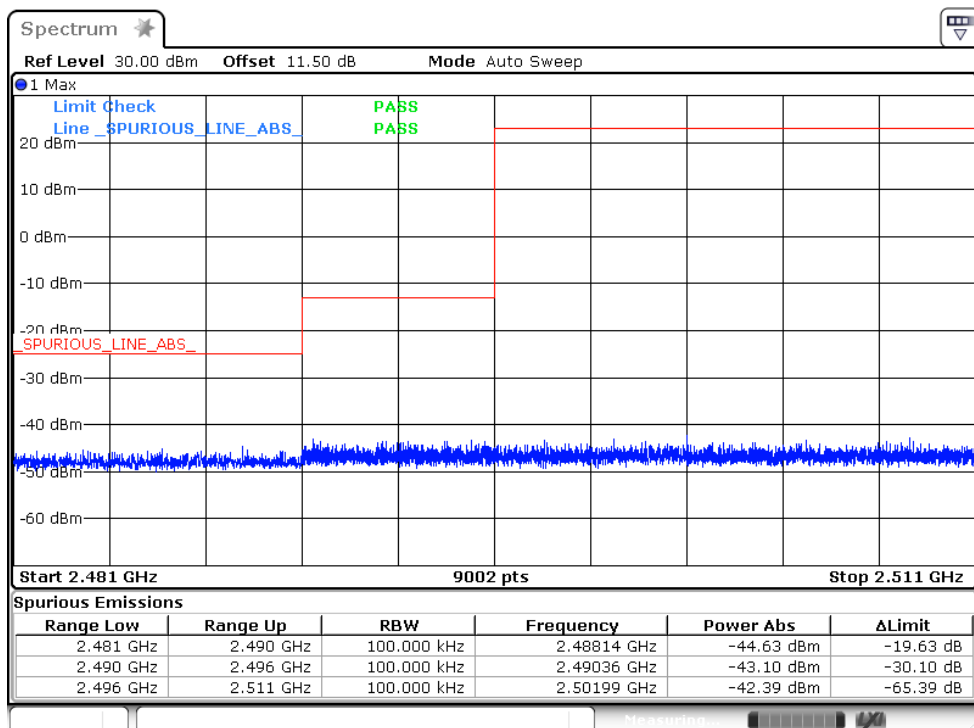
Band 41, UL Channel 41240, UL Frequency 2655.0, BW 5.0, NO. RB 25, RB POS. Low, QPSK



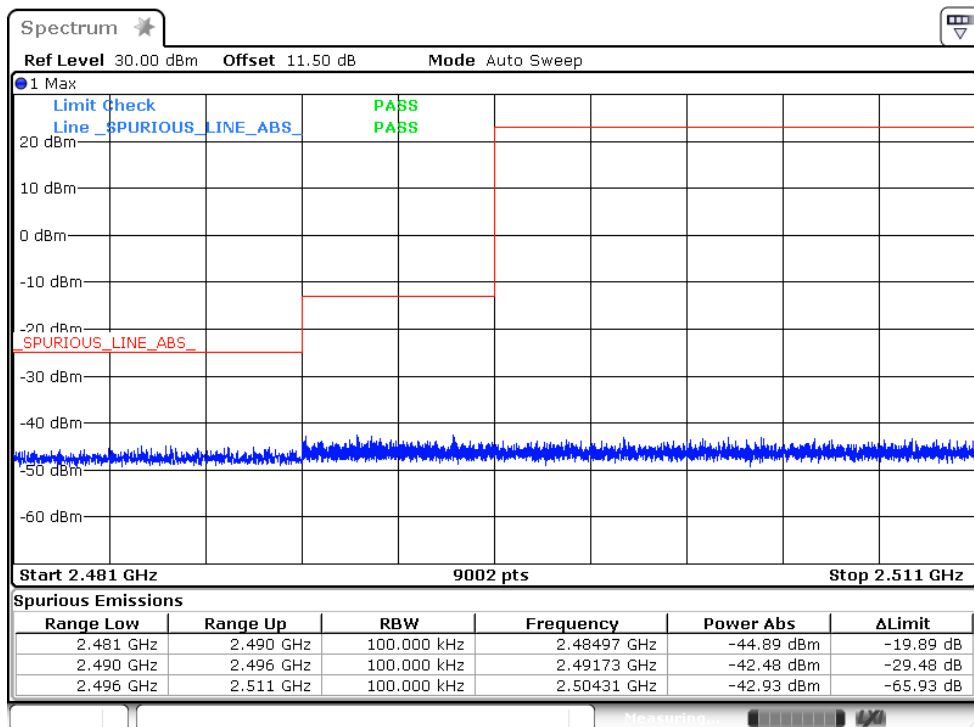
Band 41, UL Channel 41240, UL Frequency 2655.0, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



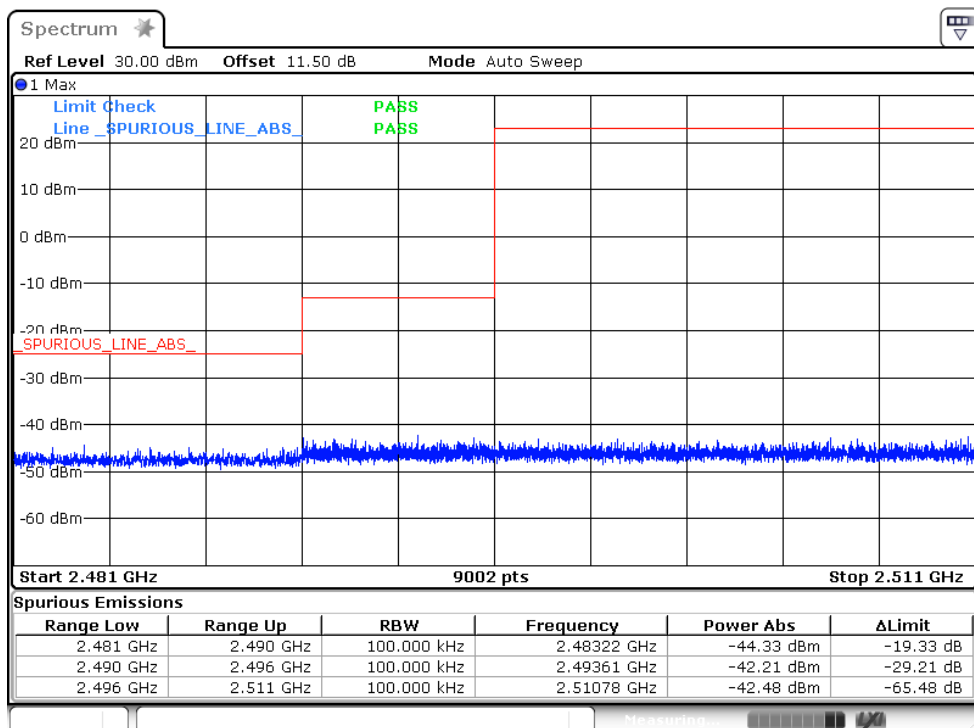
Band 41, UL Channel 40265, UL Frequency 2557.5, BW 10.0, NO. RB 1, RB POS. Low, QPSK



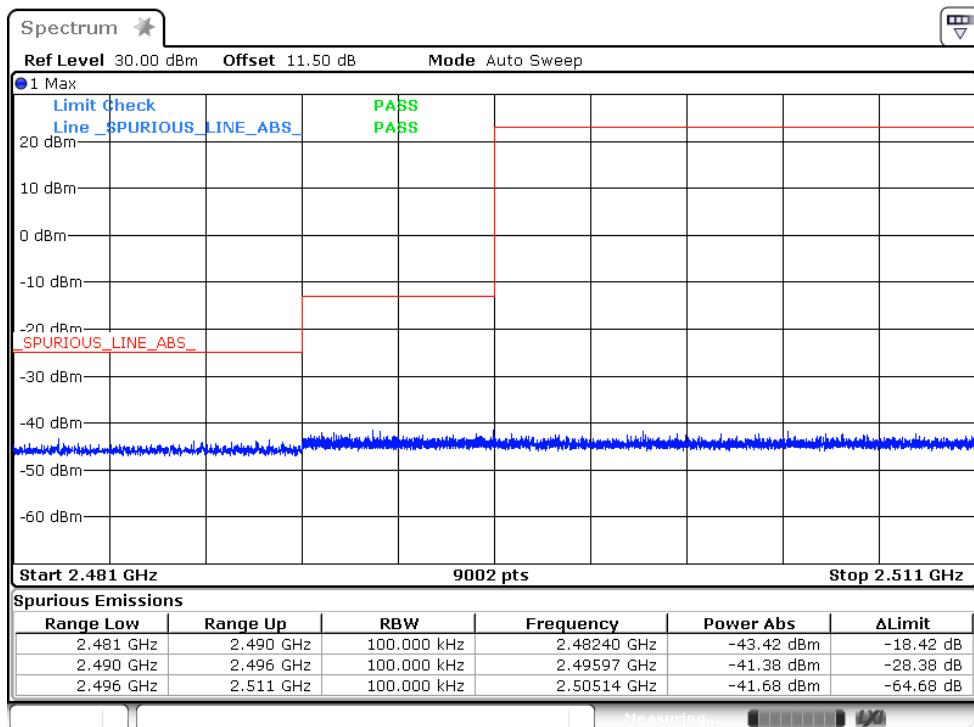
Band 41, UL Channel 40265, UL Frequency 2557.5, BW 10.0, NO. RB 1, RB POS. Low, 16QAM



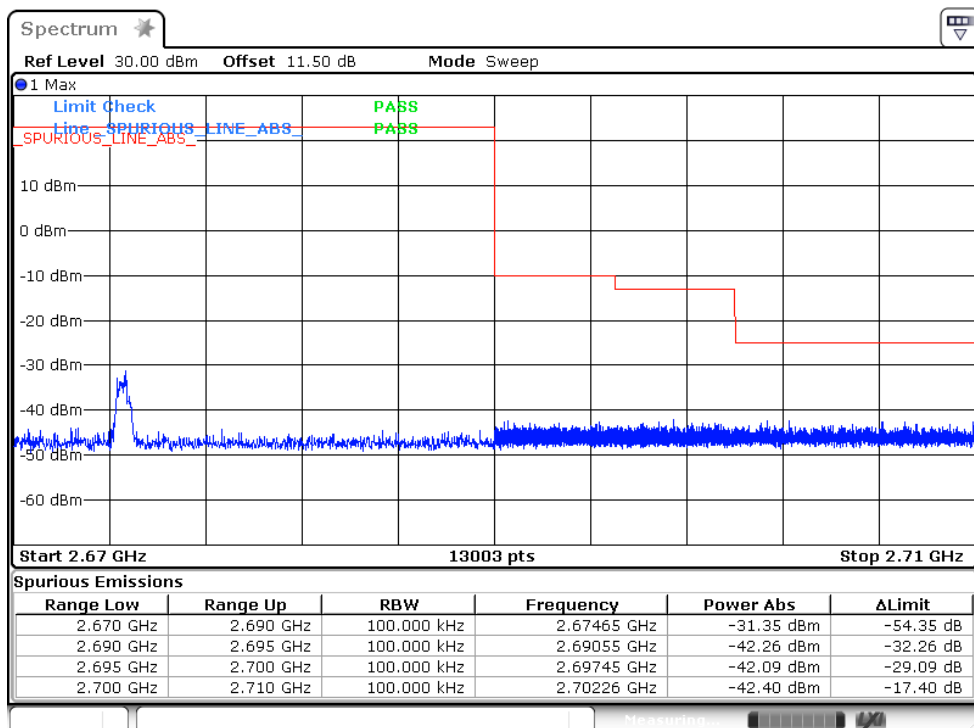
Band 41, UL Channel 40265, UL Frequency 2557.5, BW 10.0, NO. RB 50, RB POS. Low, QPSK



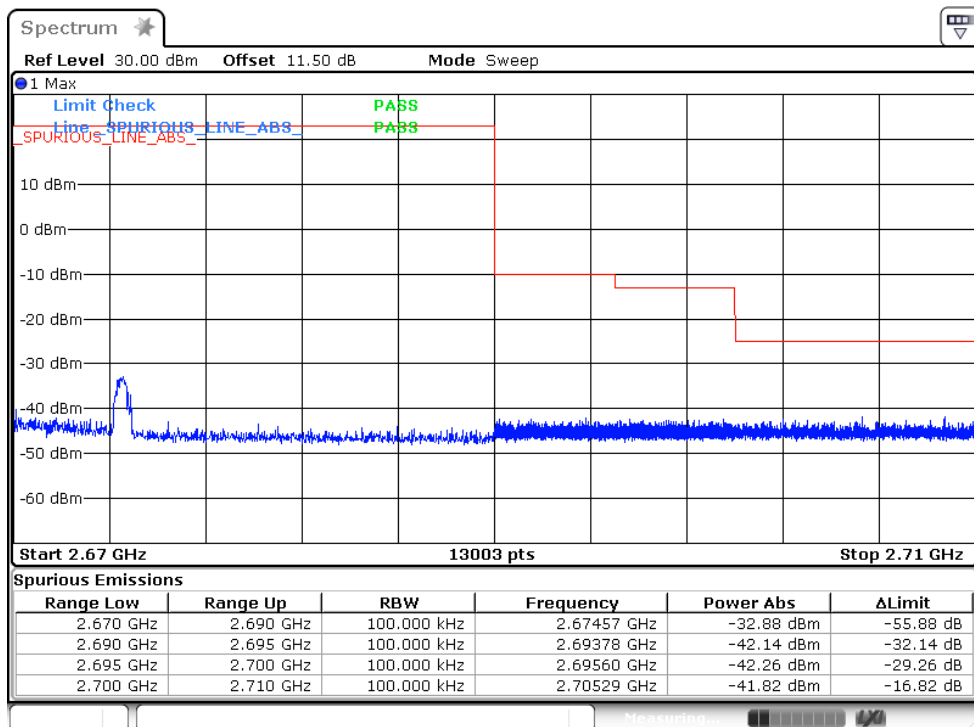
Band 41, UL Channel 40265, UL Frequency 2557.5, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



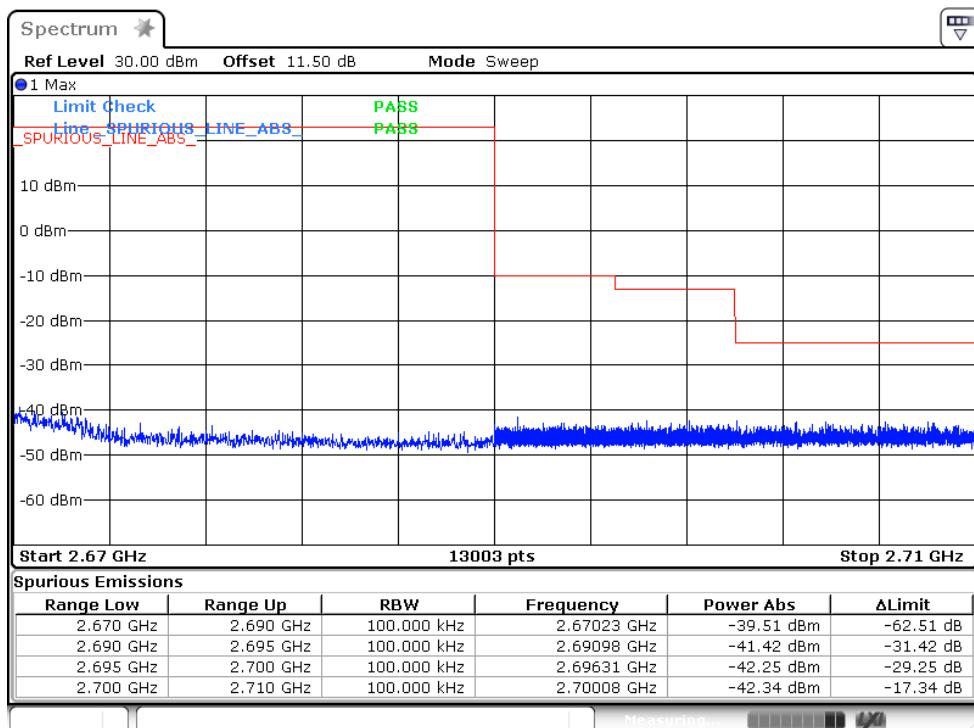
Band 41, UL Channel 41215, UL Frequency 2652.5, BW 10.0, NO. RB 1, RB POS. High, QPSK



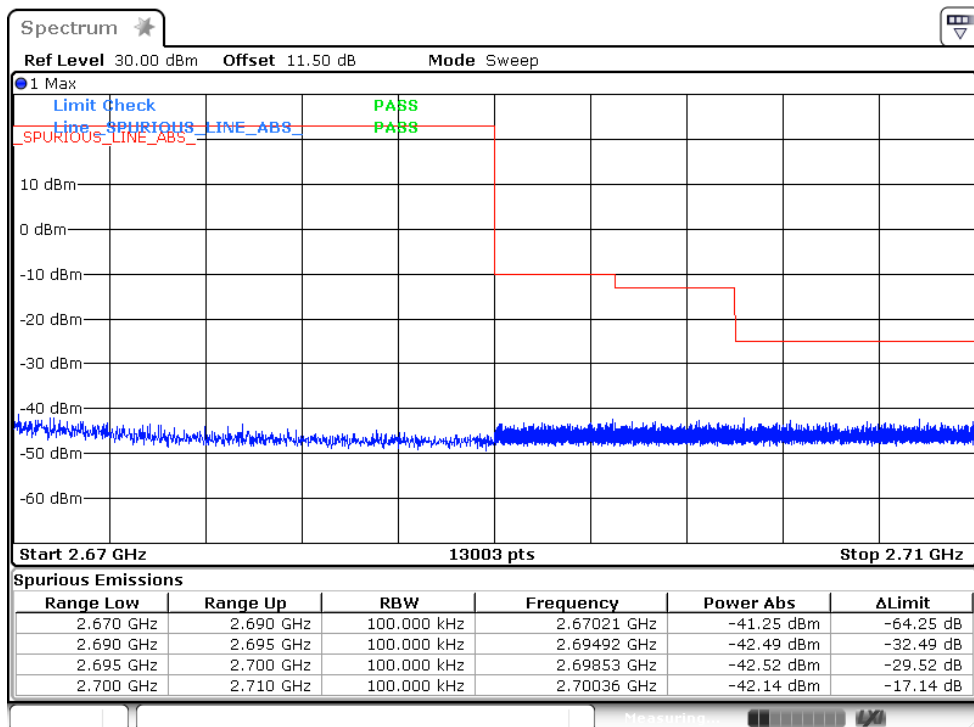
Band 41, UL Channel 41215, UL Frequency 2652.5, BW 10.0, NO. RB 1, RB POS. High, 16QAM



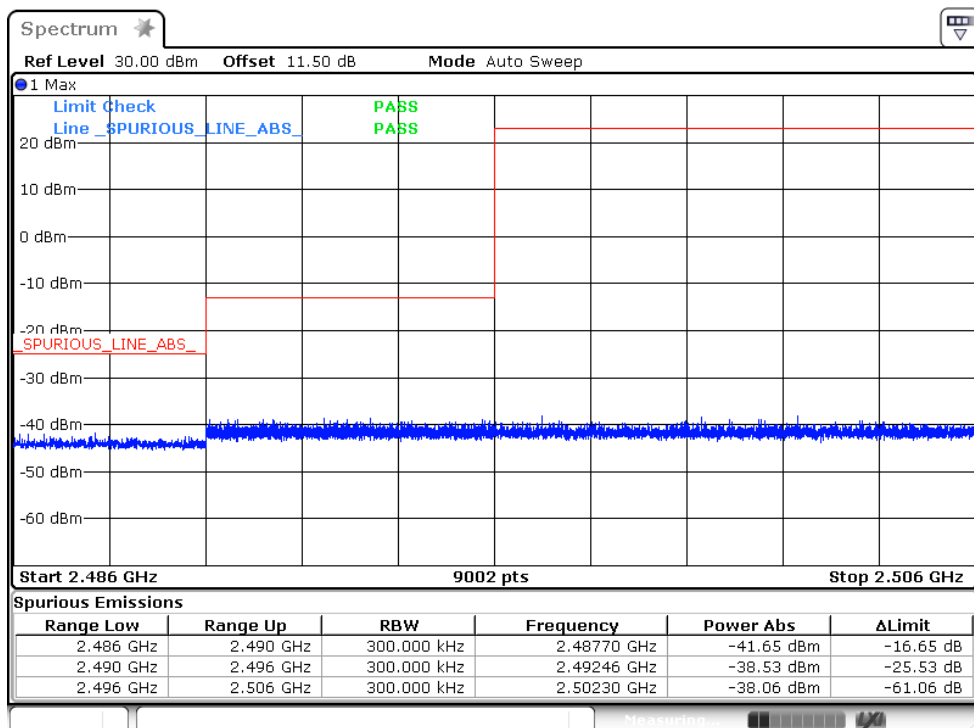
Band 41, UL Channel 41215, UL Frequency 2652.5, BW 10.0, NO. RB 50, RB POS. High, QPSK



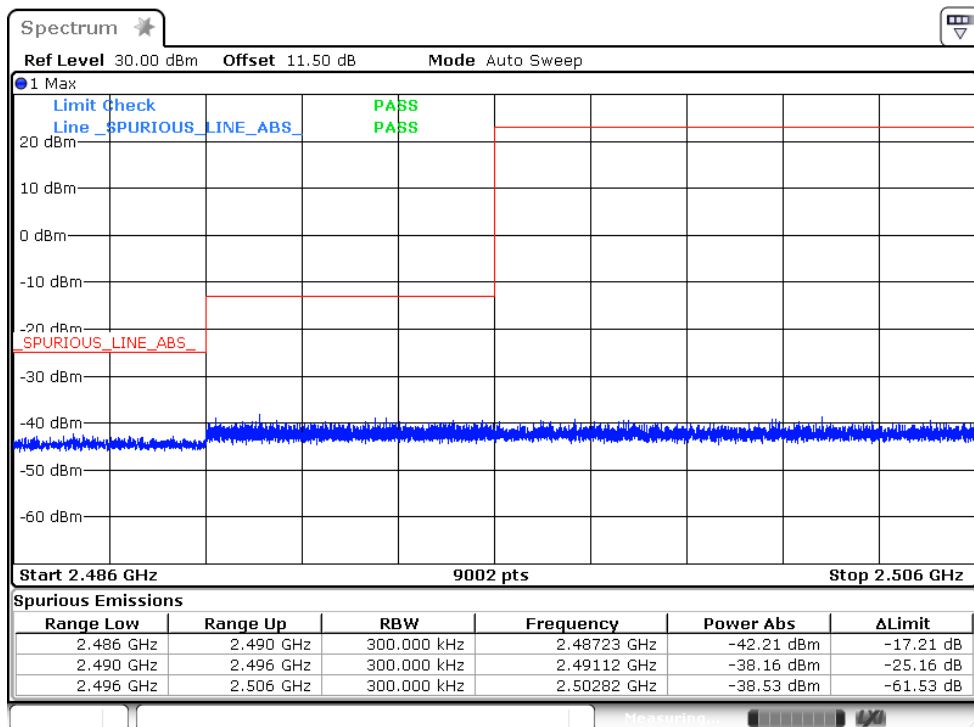
Band 41, UL Channel 41215, UL Frequency 2652.5, BW 10.0, NO. RB 50, RB POS. High, 16QAM



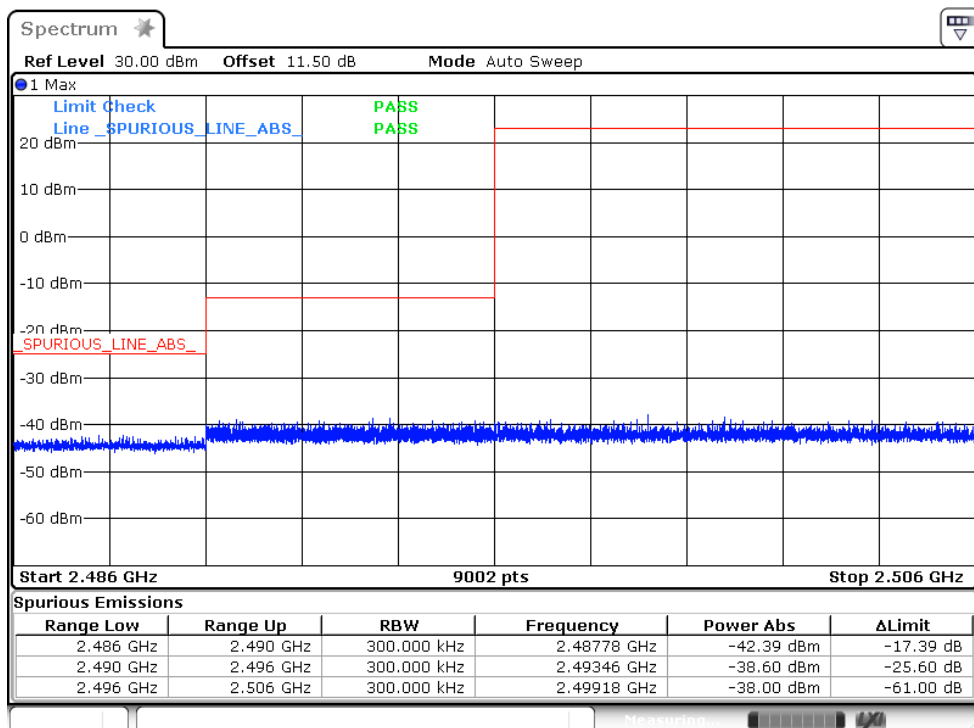
Band 41, UL Channel 40290, UL Frequency 2560.0, BW 15.0, NO. RB 1, RB POS. Low, QPSK



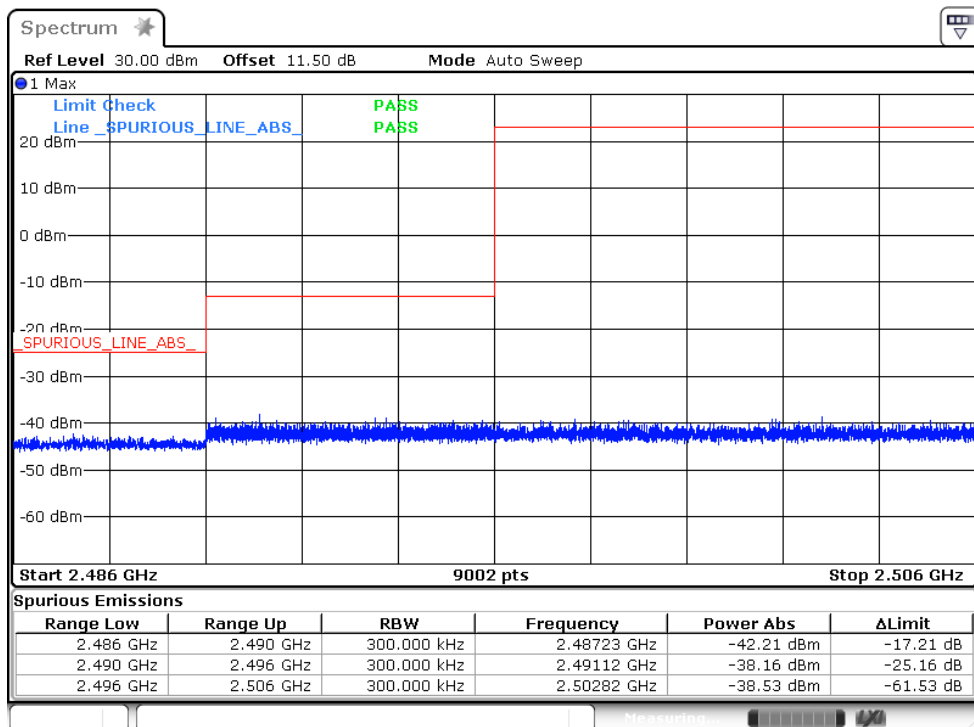
Band 41, UL Channel 40290, UL Frequency 2560.0, BW 15.0, NO. RB 1, RB POS. Low, 16QAM



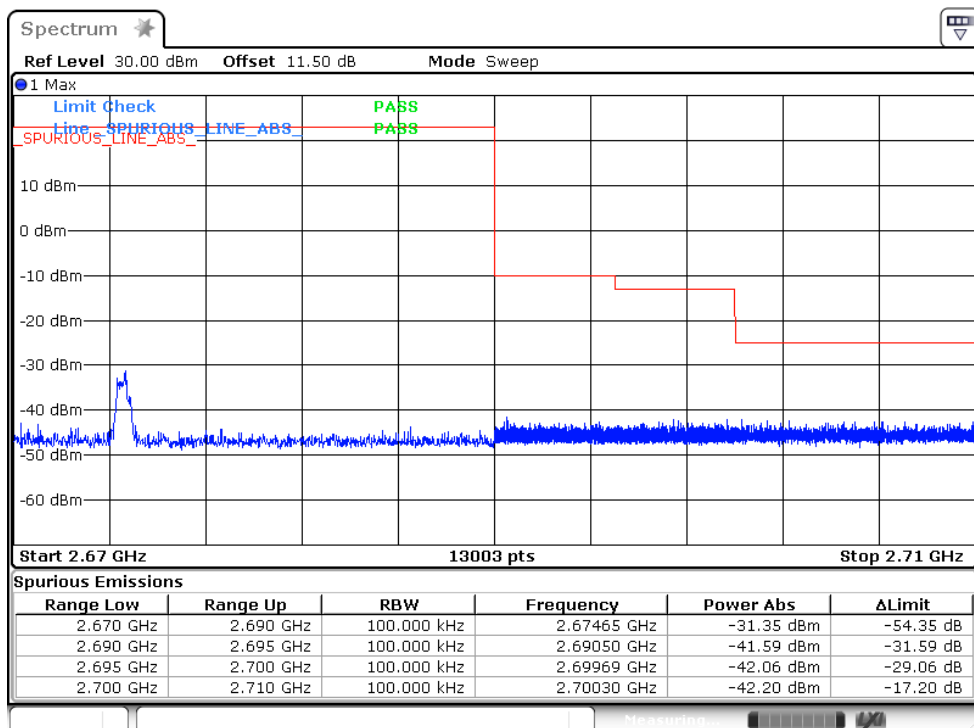
Band 41, UL Channel 40290, UL Frequency 2560.0, BW 15.0, NO. RB 75, RB POS. Low, QPSK



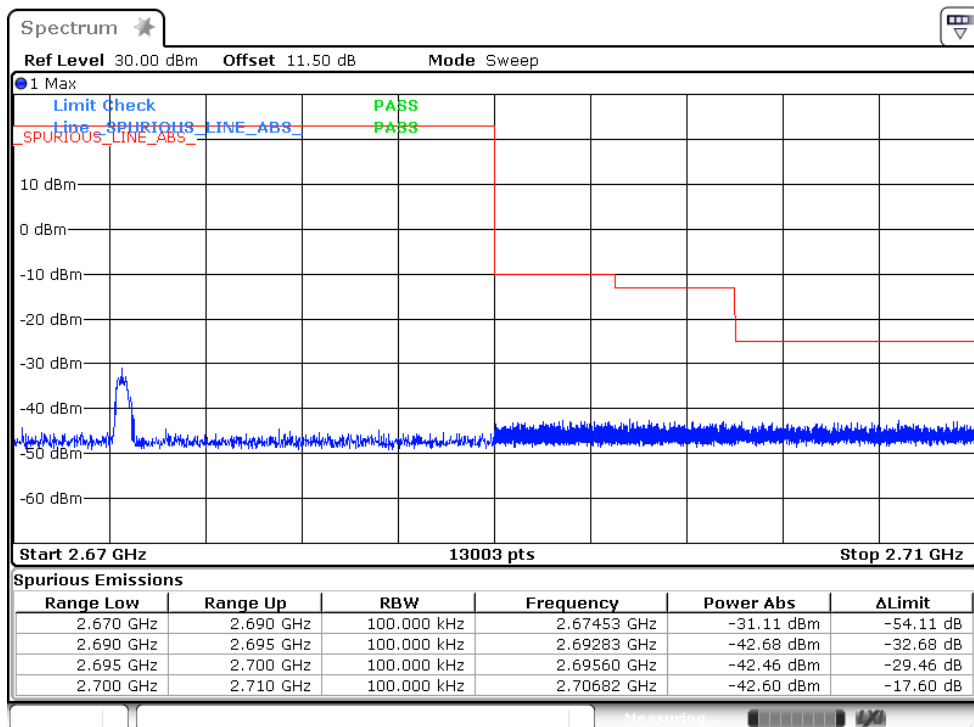
Band 41, UL Channel 40290, UL Frequency 2560.0, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



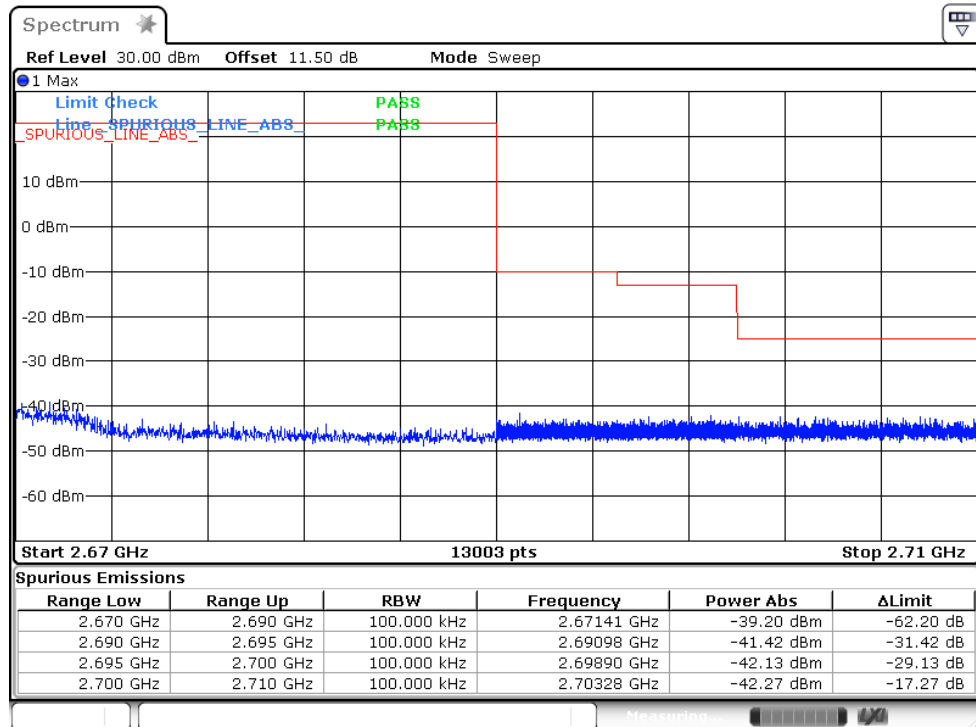
Band 41, UL Channel 41190, UL Frequency 2650.0, BW 15.0, NO. RB 1, RB POS. Low, QPSK



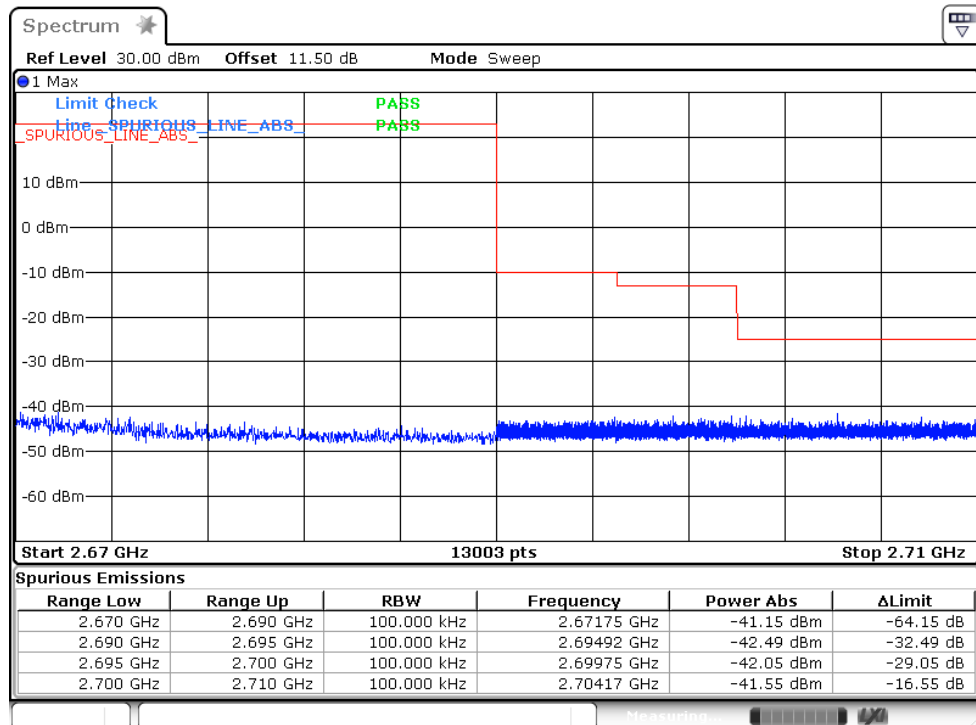
Band 41, UL Channel 41190, UL Frequency 2650.0, BW 15.0, NO. RB 1, RB POS. Low, 16QAM



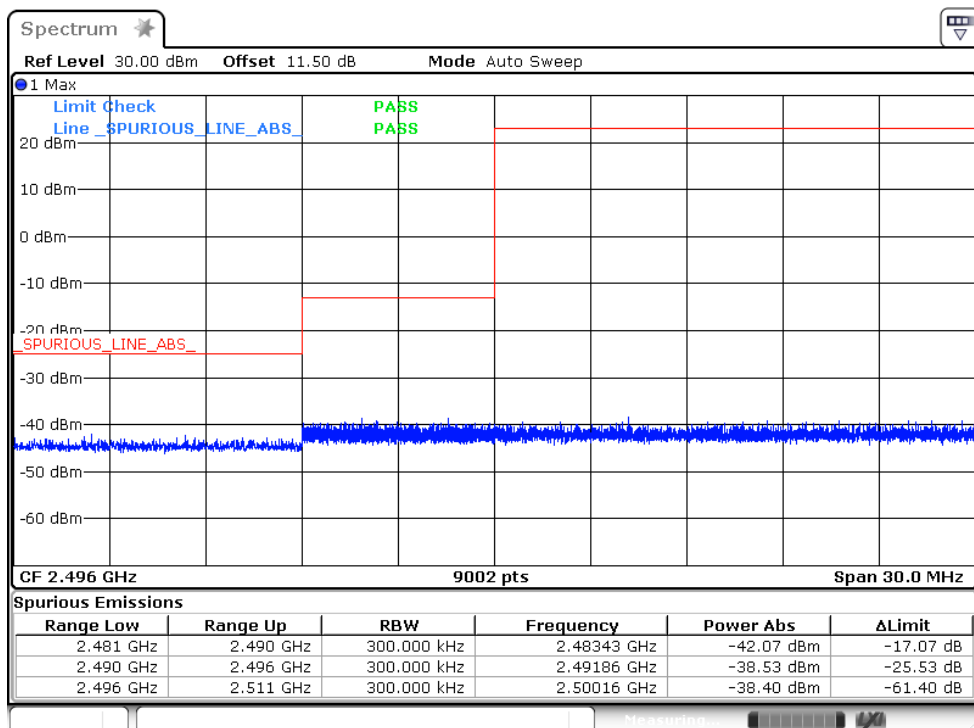
Band 41, UL Channel 41190, UL Frequency 2650.0, BW 15.0, NO. RB 75, RB POS. Low, QPSK



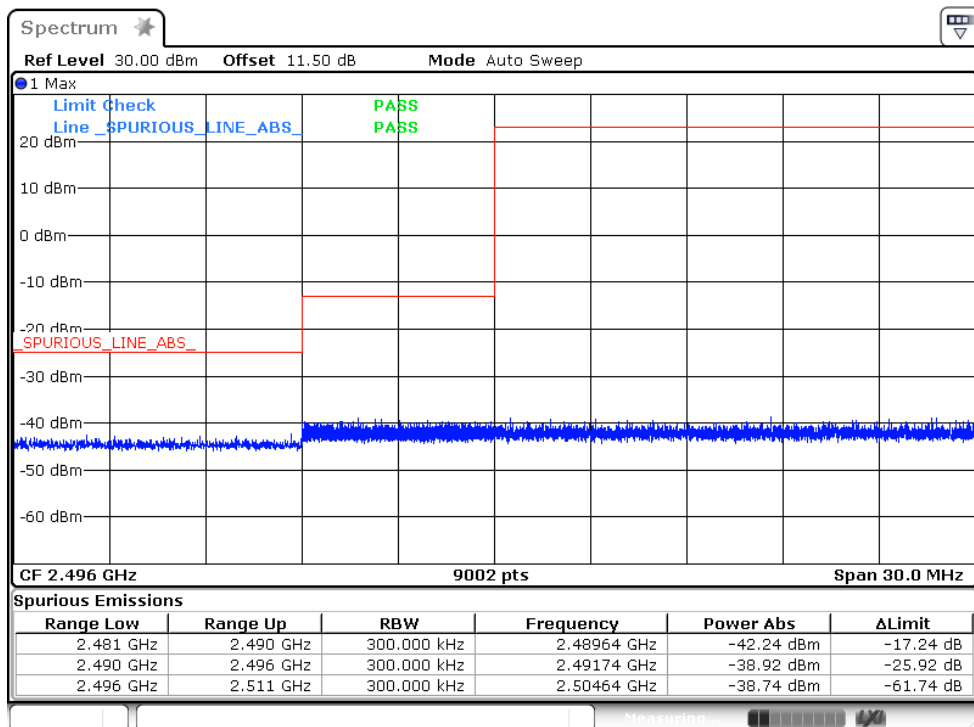
Band 41, UL Channel 41190, UL Frequency 2650.0, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



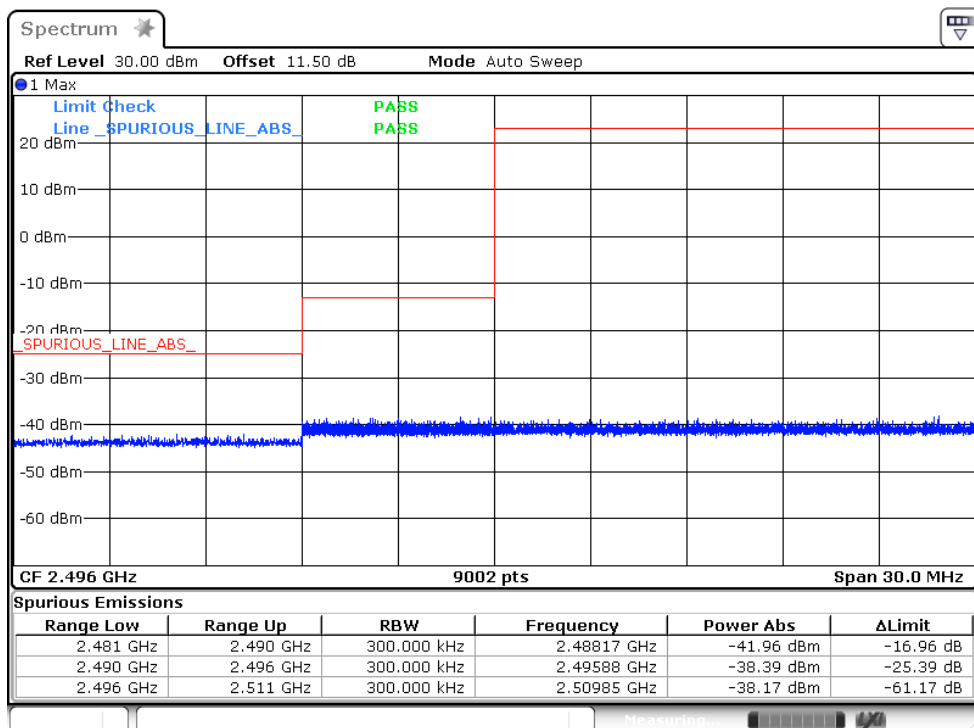
Band 41, UL Channel 40315, UL Frequency 2562.5, BW 20.0, NO. RB 1, RB POS. Low, QPSK



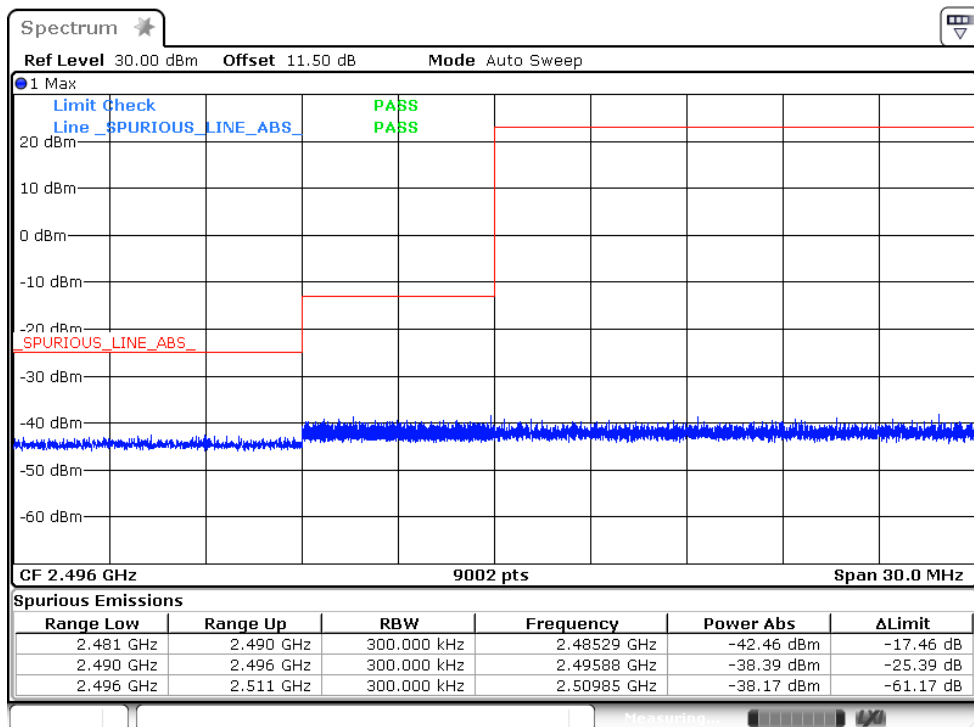
Band 41, UL Channel 40315, UL Frequency 2562.5, BW 20.0, NO. RB 1, RB POS. Low, 16QAM



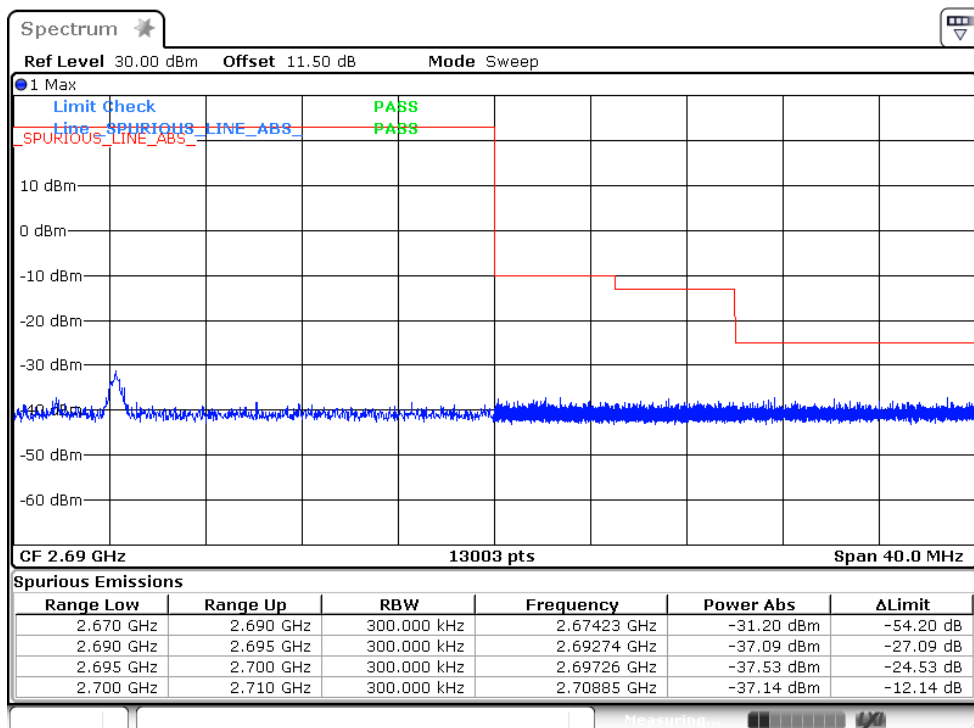
Band 41, UL Channel 40315, UL Frequency 2562.5, BW 20.0, NO. RB 100, RB POS. Low, QPSK



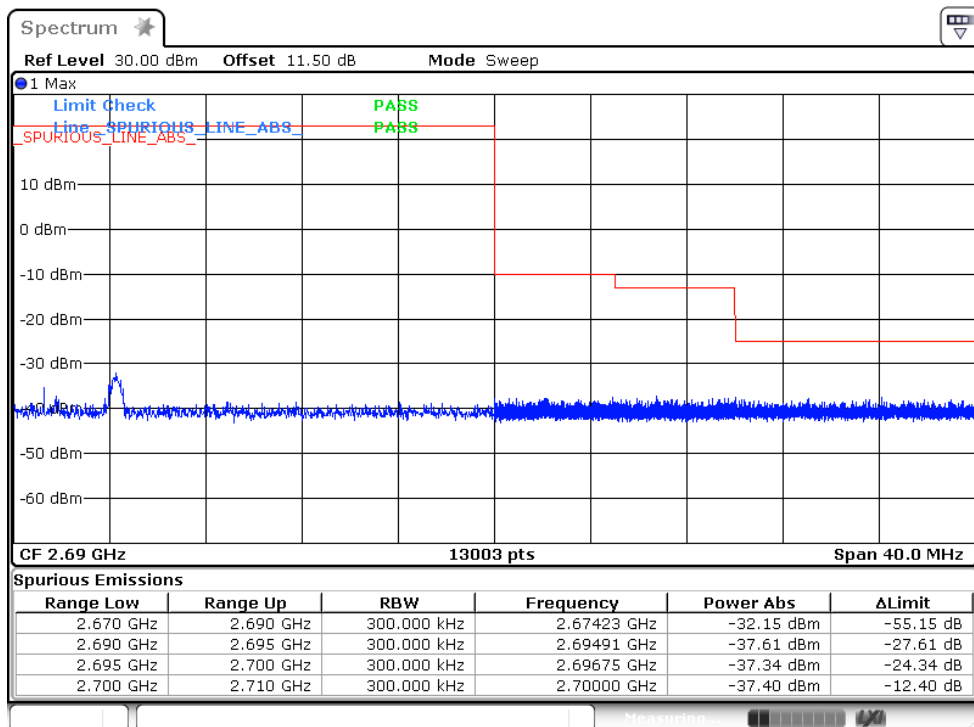
Band 41, UL Channel 40315, UL Frequency 2562.5, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



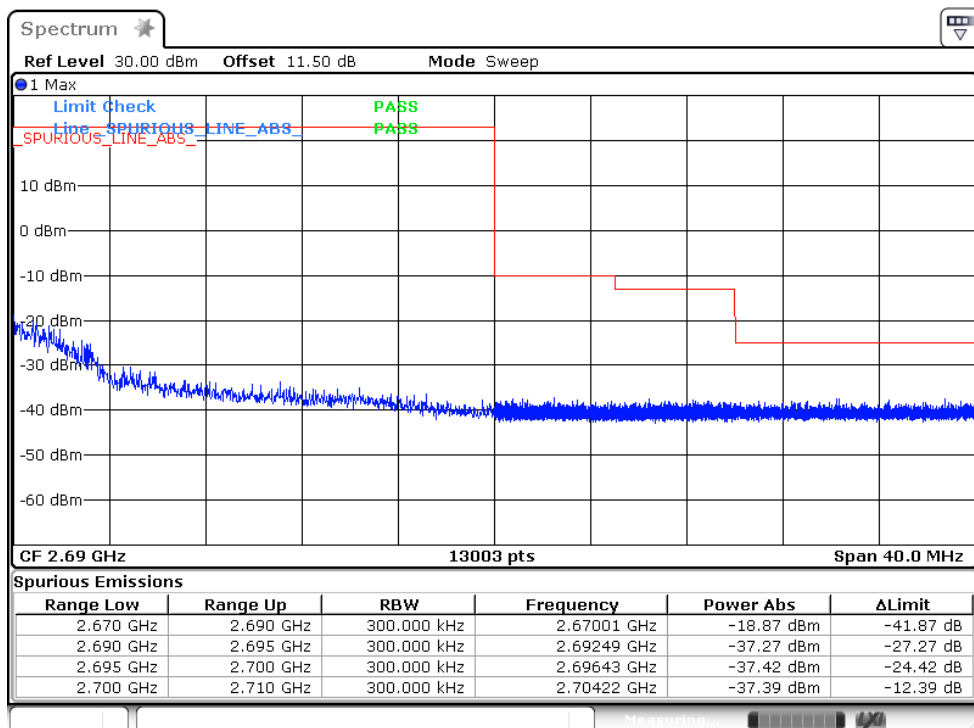
Band 41, UL Channel 41165, UL Frequency 2647.5, BW 20.0, NO. RB 1, RB POS. Low, QPSK



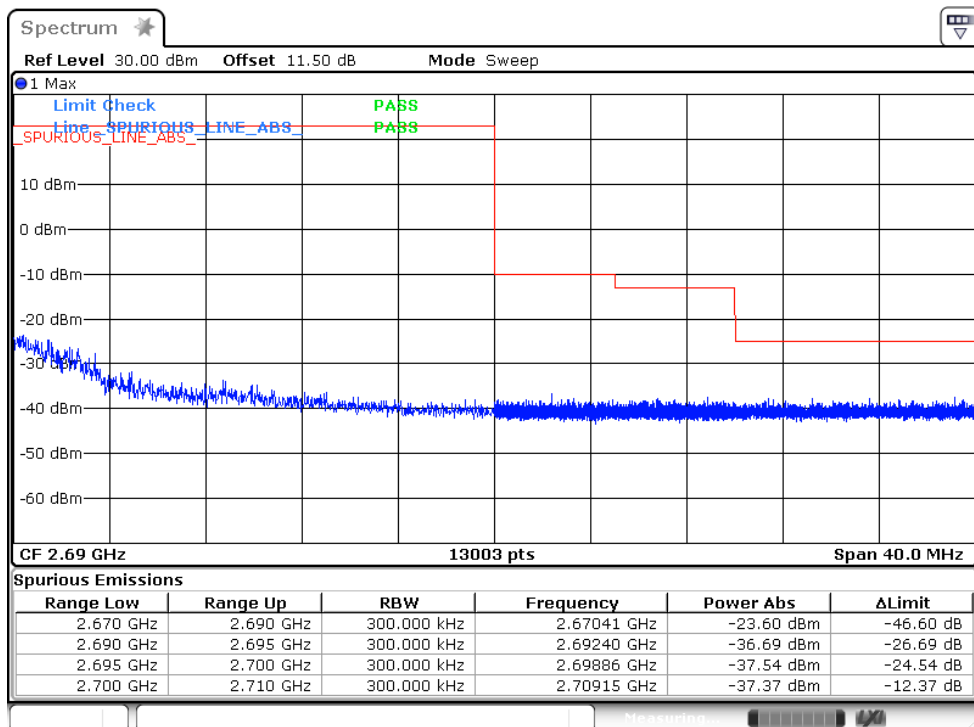
Band 41, UL Channel 41165, UL Frequency 2647.5, BW 20.0, NO. RB 1, RB POS. Low, 16QAM



Band 41, UL Channel 41165, UL Frequency 2647.5, BW 20.0, NO. RB 100, RB POS. Low, QPSK



Band 41, UL Channel 41165, UL Frequency 2647.5, BW 20.0, NO. RB 100, RB POS. Low, 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

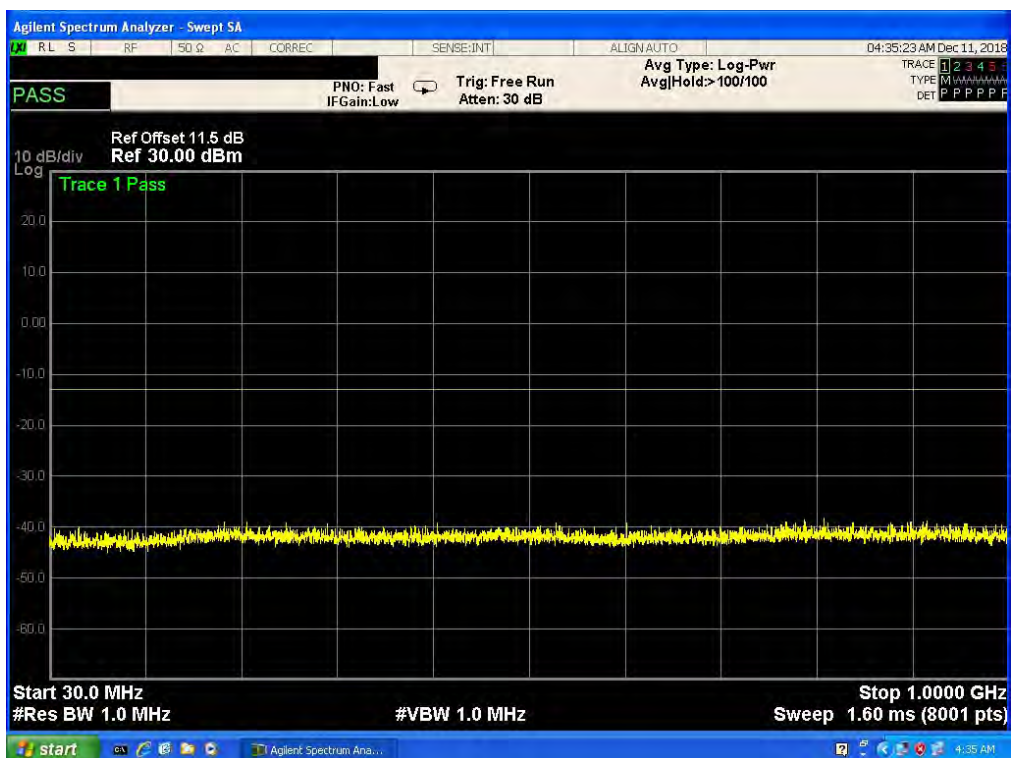
LTE Band 2
LTE Band 4
LTE Band 5
LTE Band 7
LTE Band 41
LTE Band 12
LTE Band 17

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

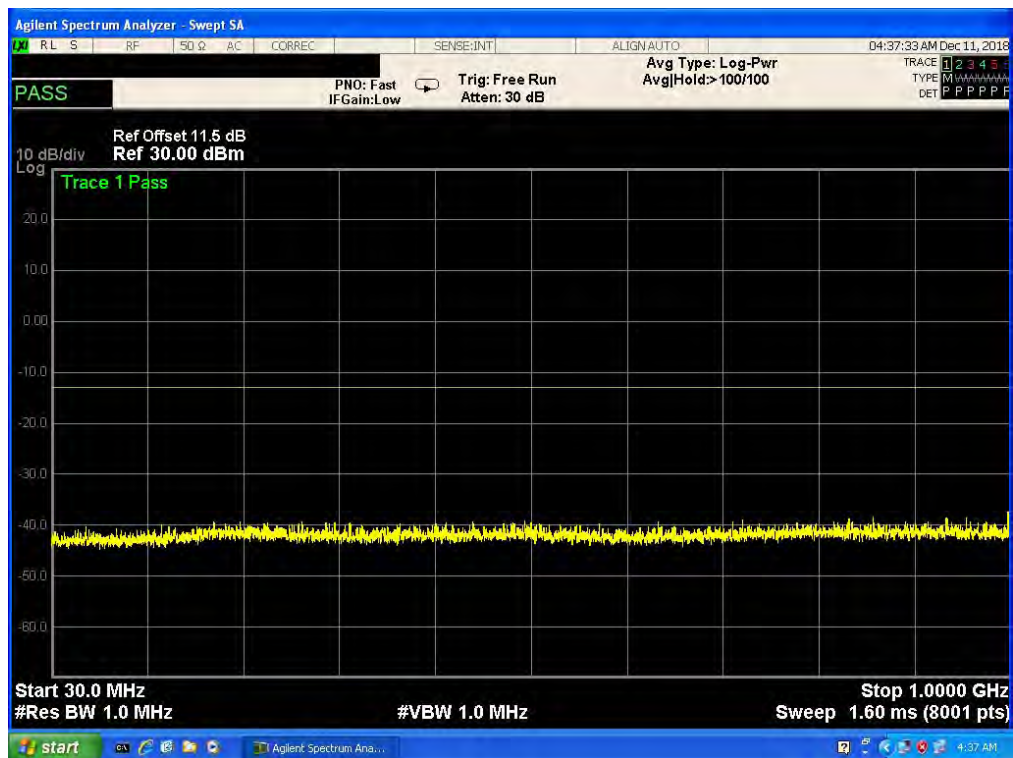
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



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



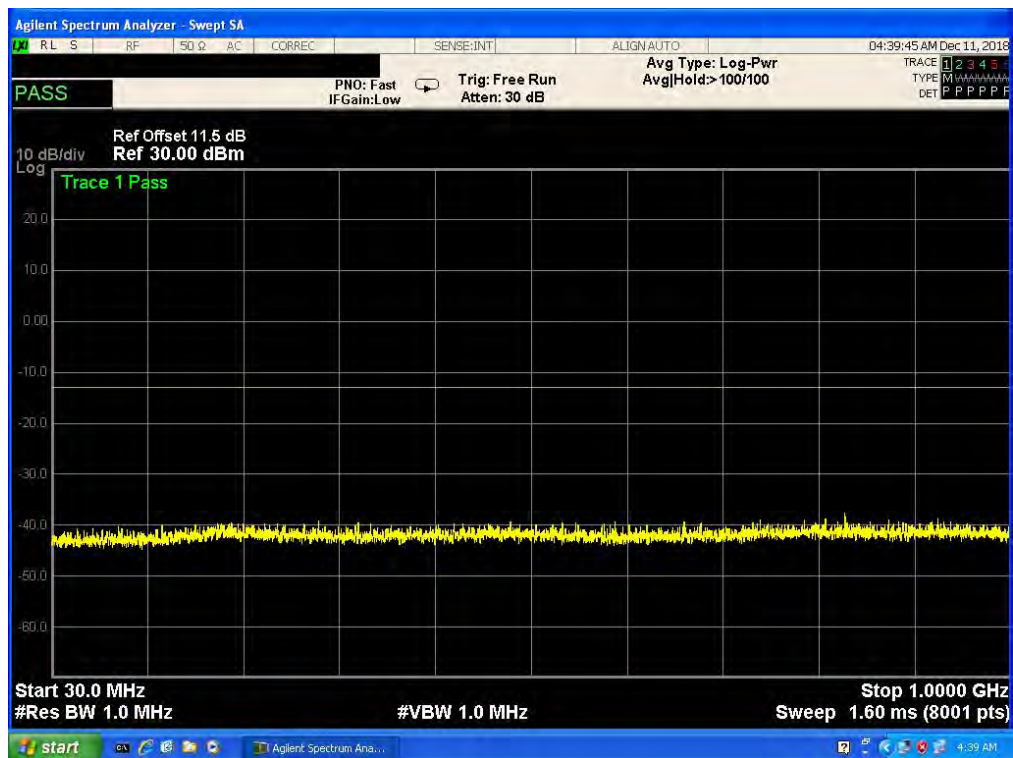
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, 16QAM



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



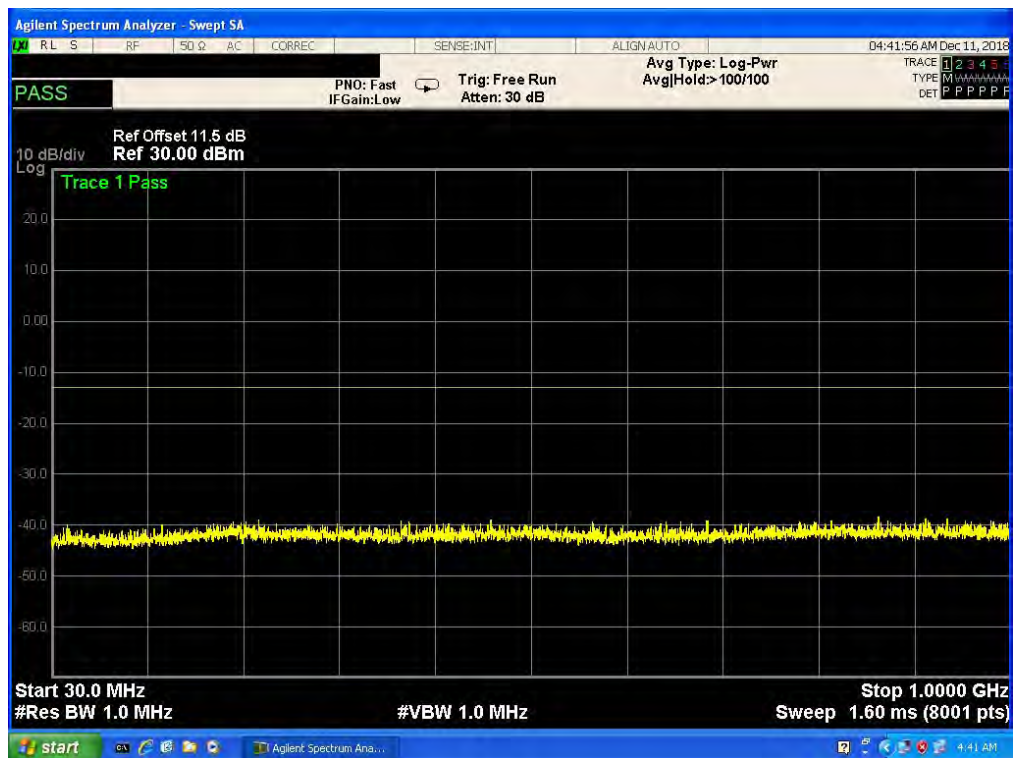
Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



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



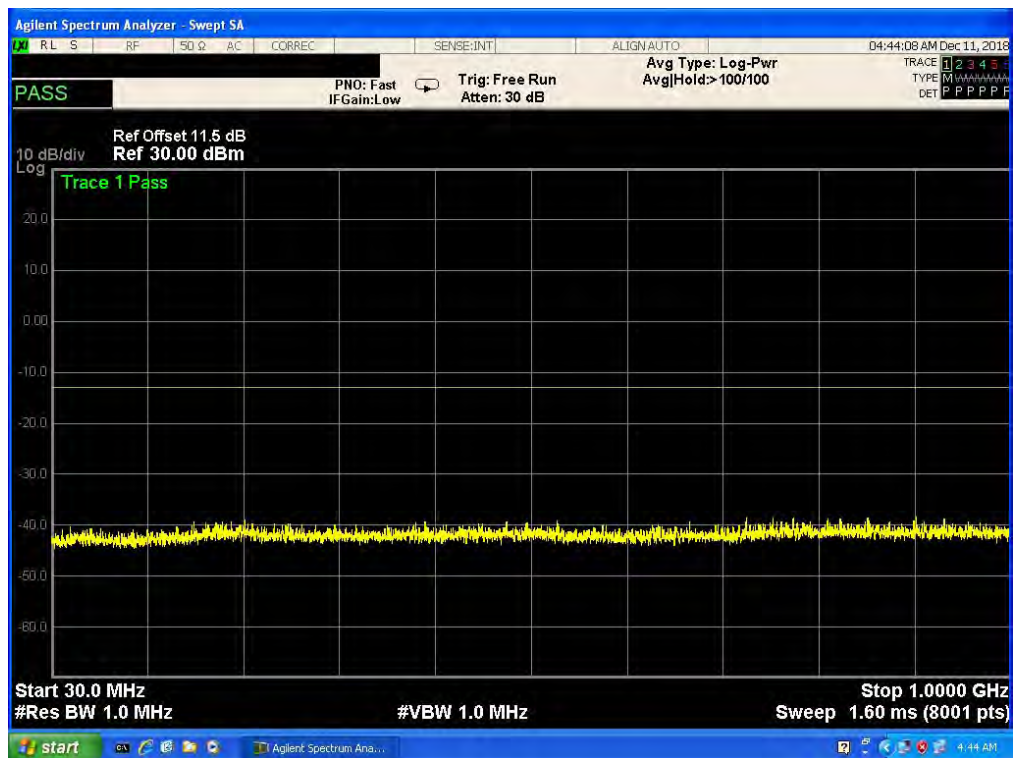
Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, 16QAM



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



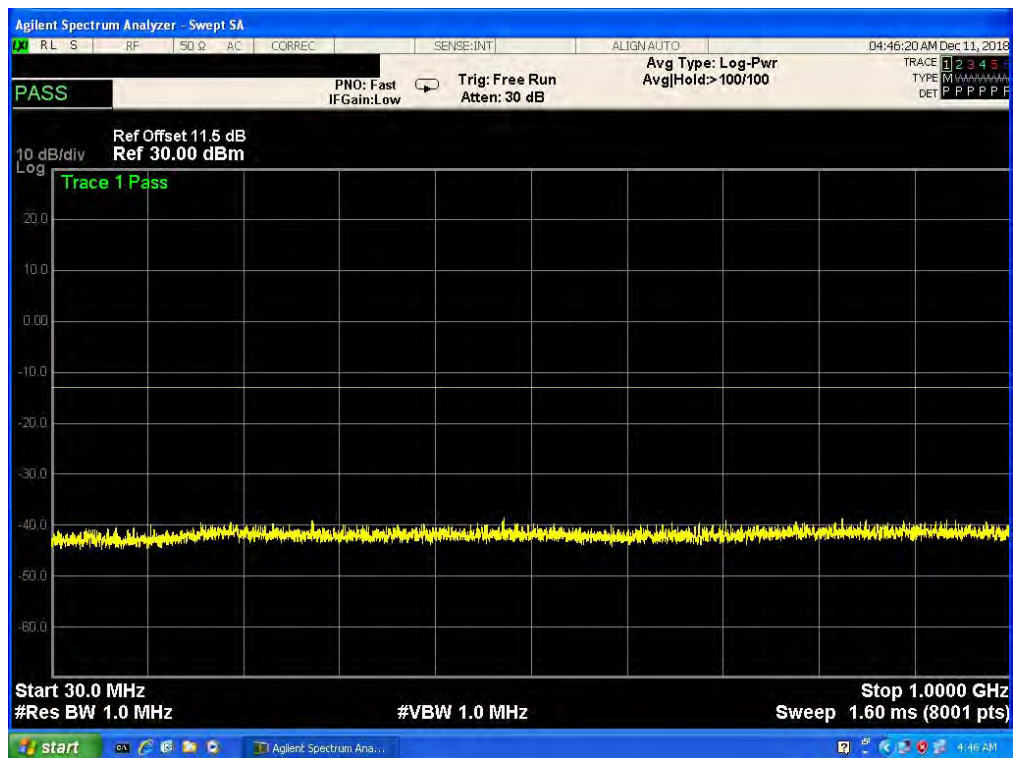
Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



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



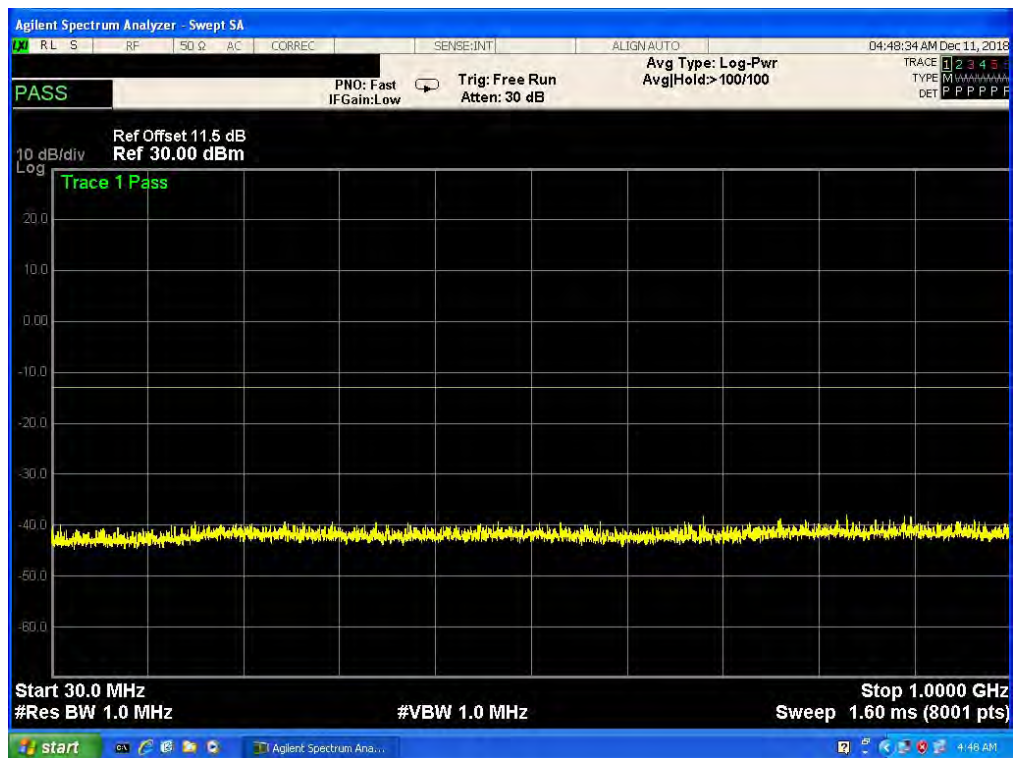
Band 2, UL Channel 18615, UL Frequency 1851.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM



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



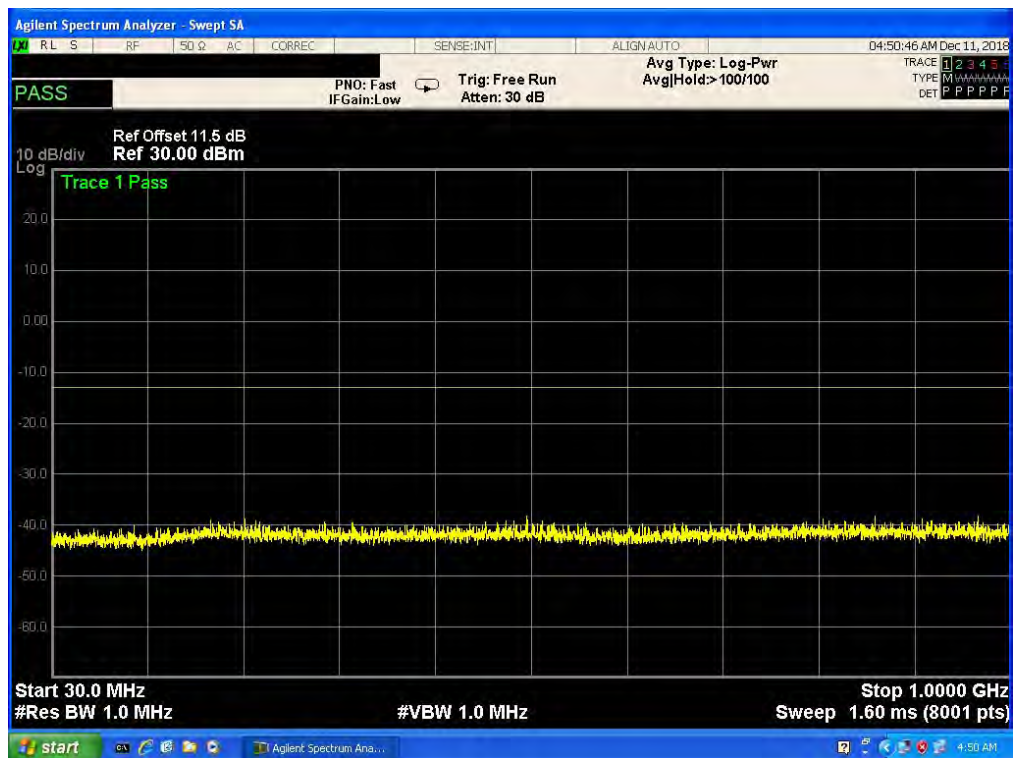
Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



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



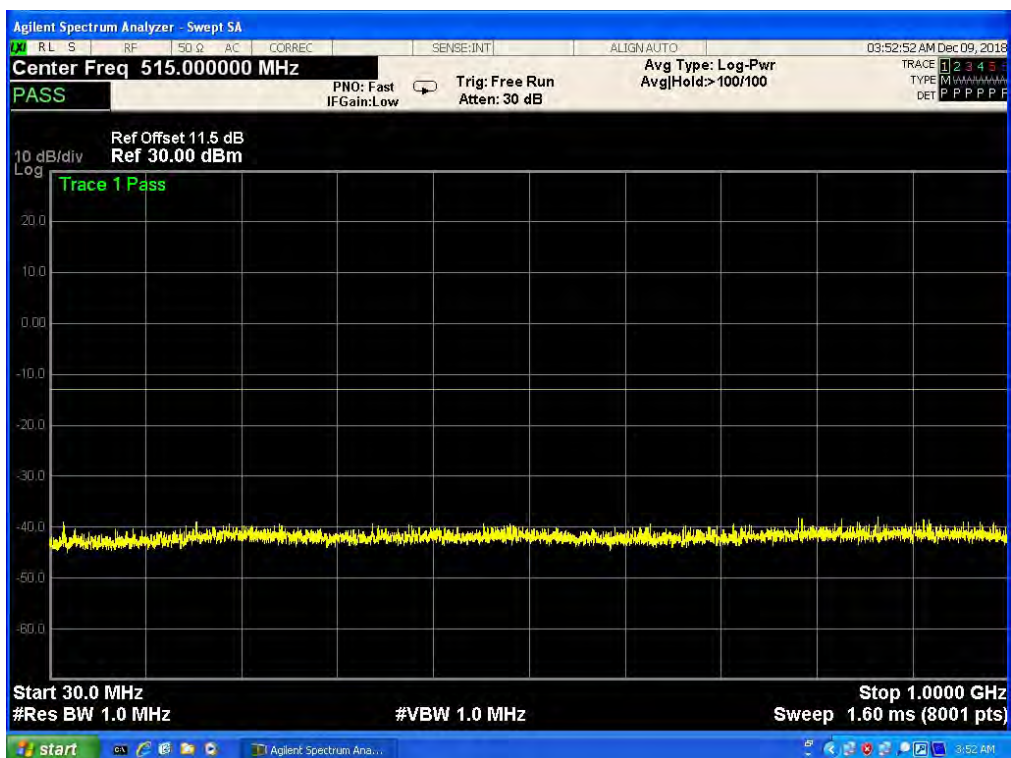
Band 2, UL Channel 19185, UL Frequency 1908.5, BW 3.0, NO. RB 15, RB POS. Low, 16QAM



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



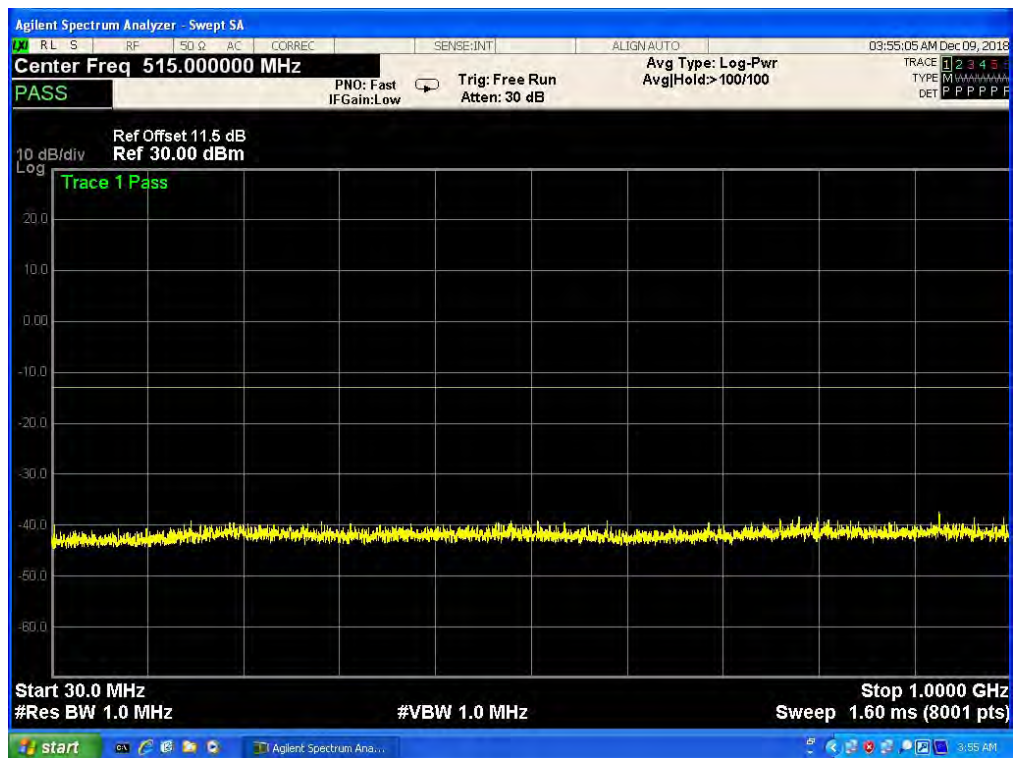
Band 2,UL Channel 18625,UL Frequency 1852.5,BW 5.0,N0. RB 25,RB POS. Low,QPSK



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

