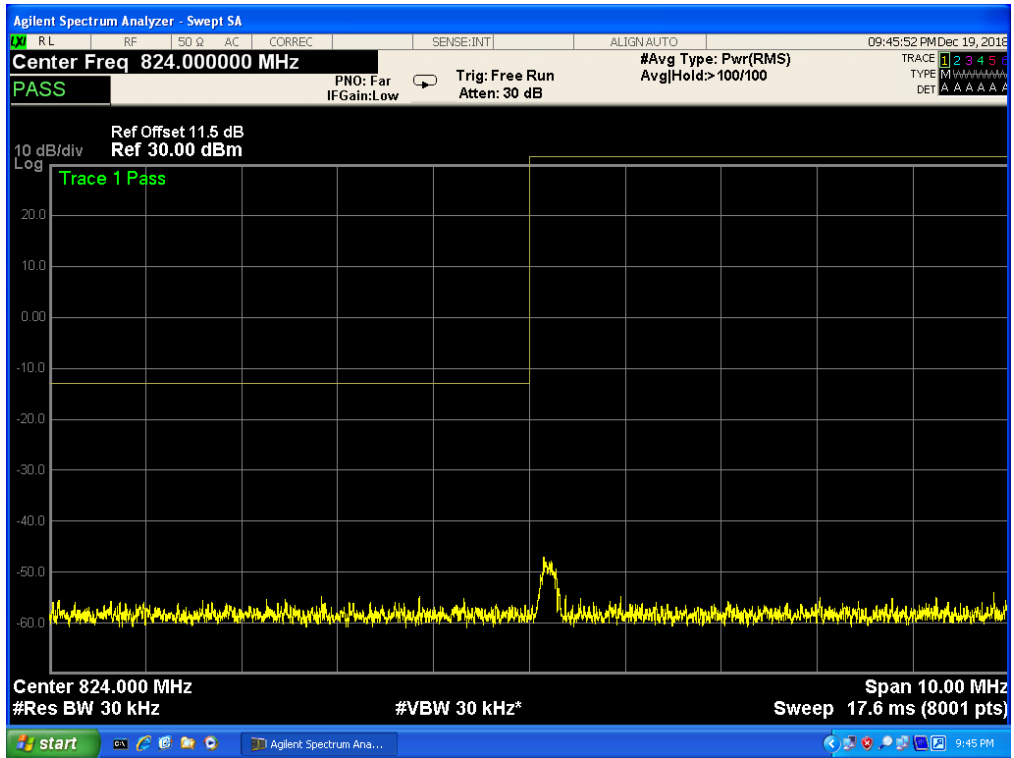
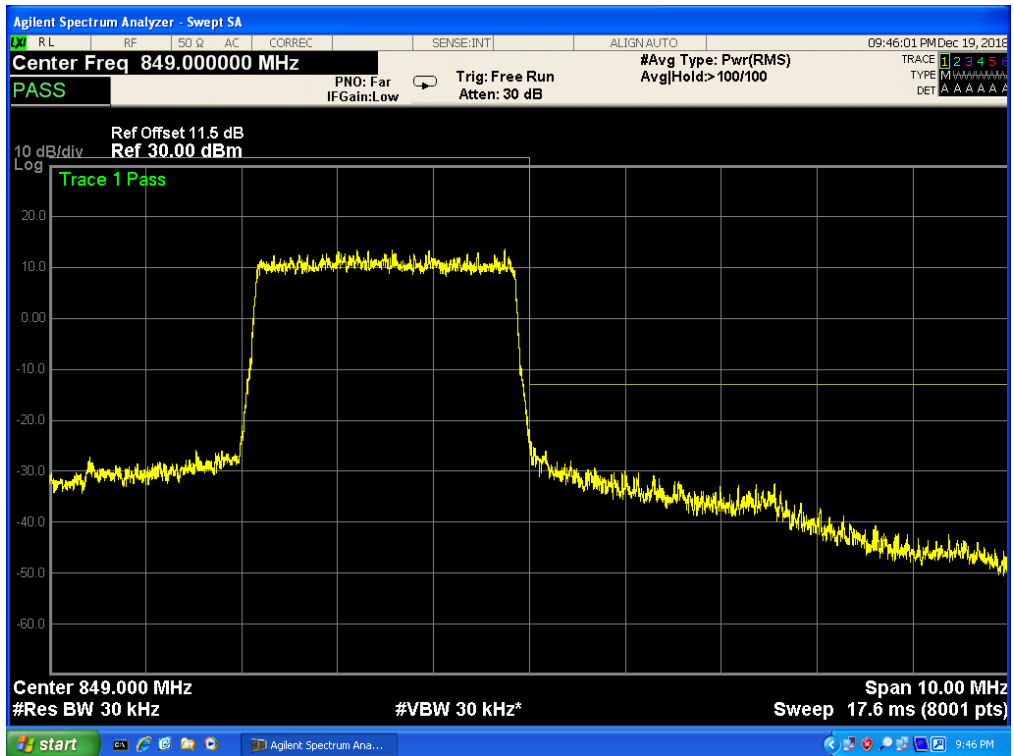


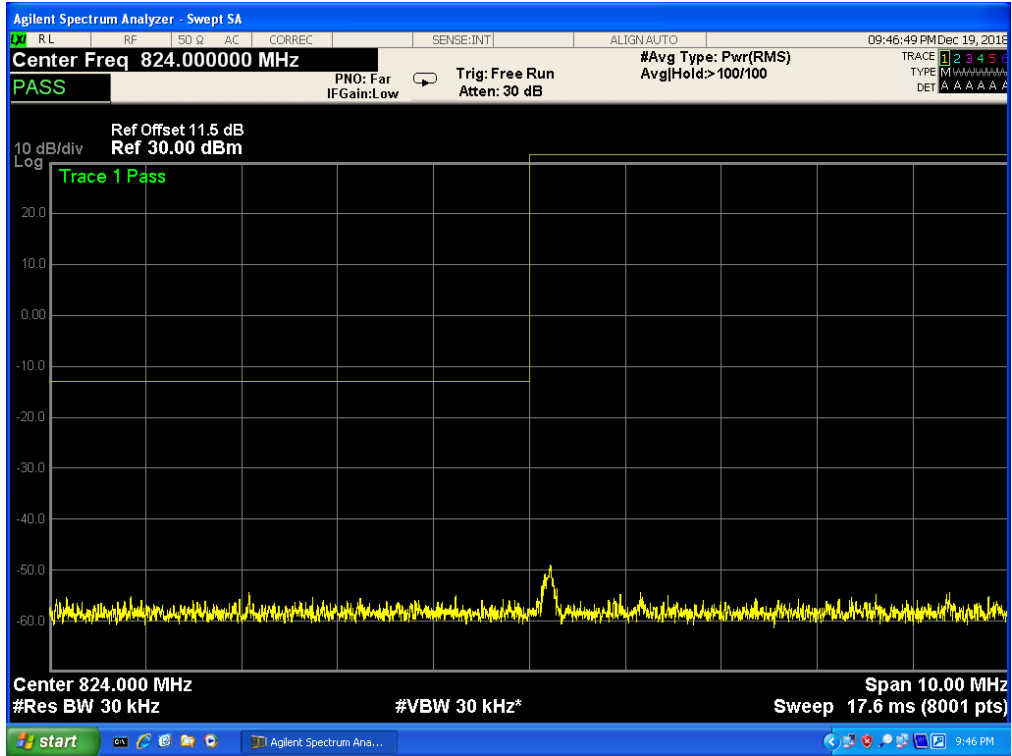
Band 5, UL Channel 20635, UL Frequency 847.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



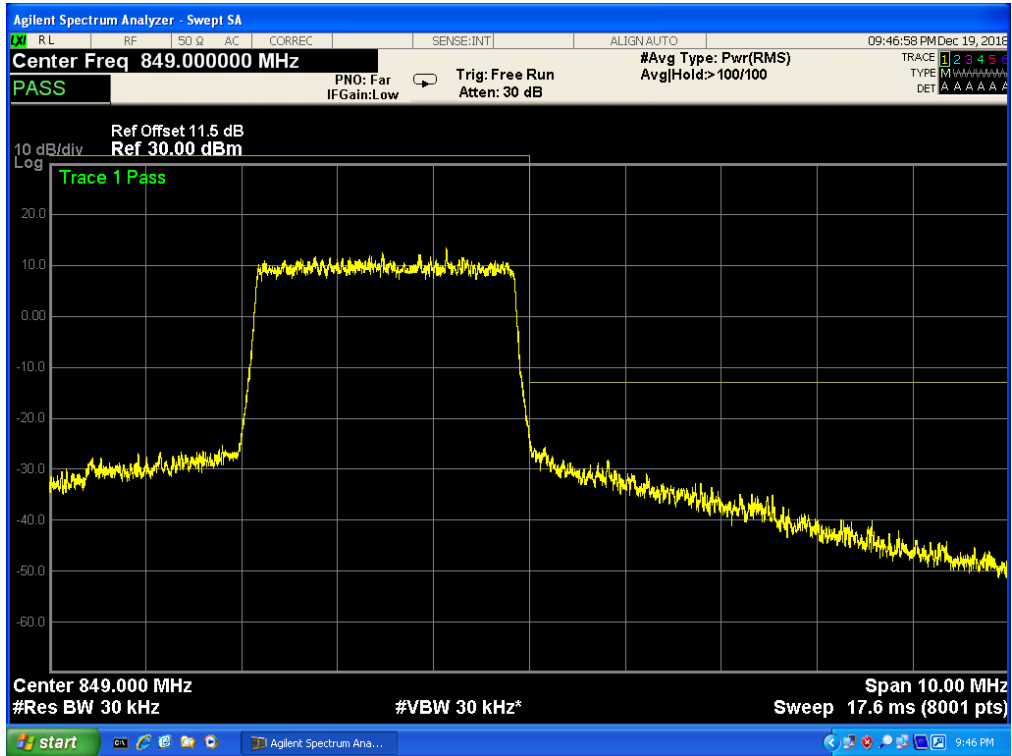
Band 5, UL Channel 20635, UL Frequency 847.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



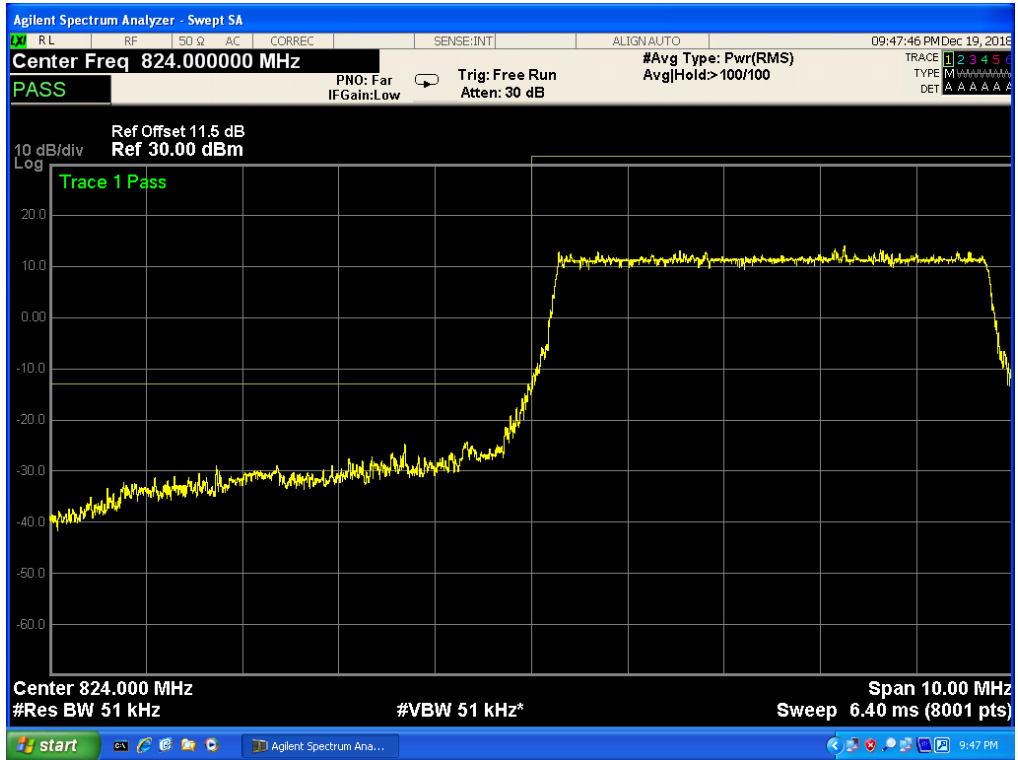
Band 5, UL Channel 20635, UL Frequency 847.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



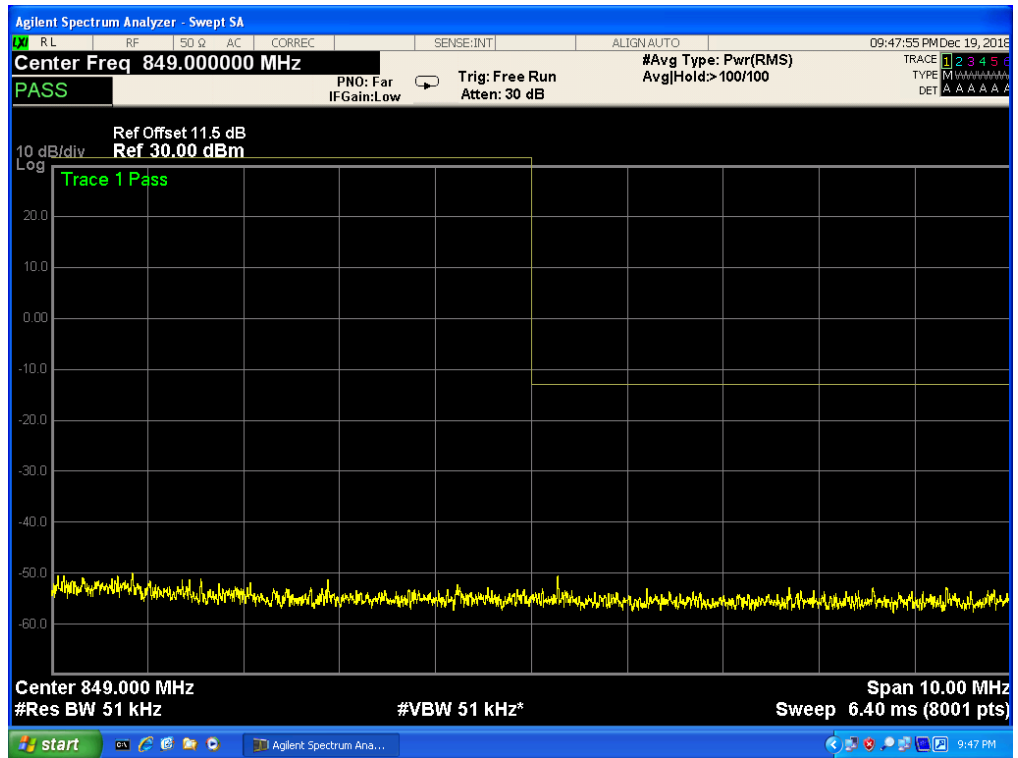
Band 5, UL Channel 20635, UL Frequency 847.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



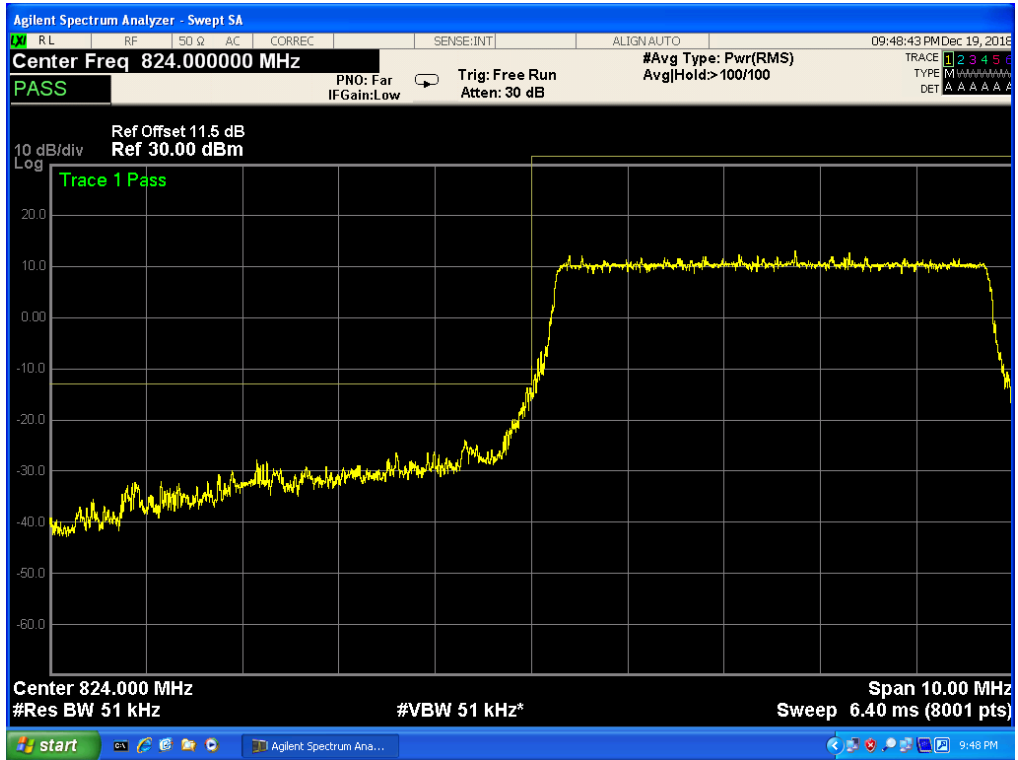
Band 5, UL Channel 20425, UL Frequency 826.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



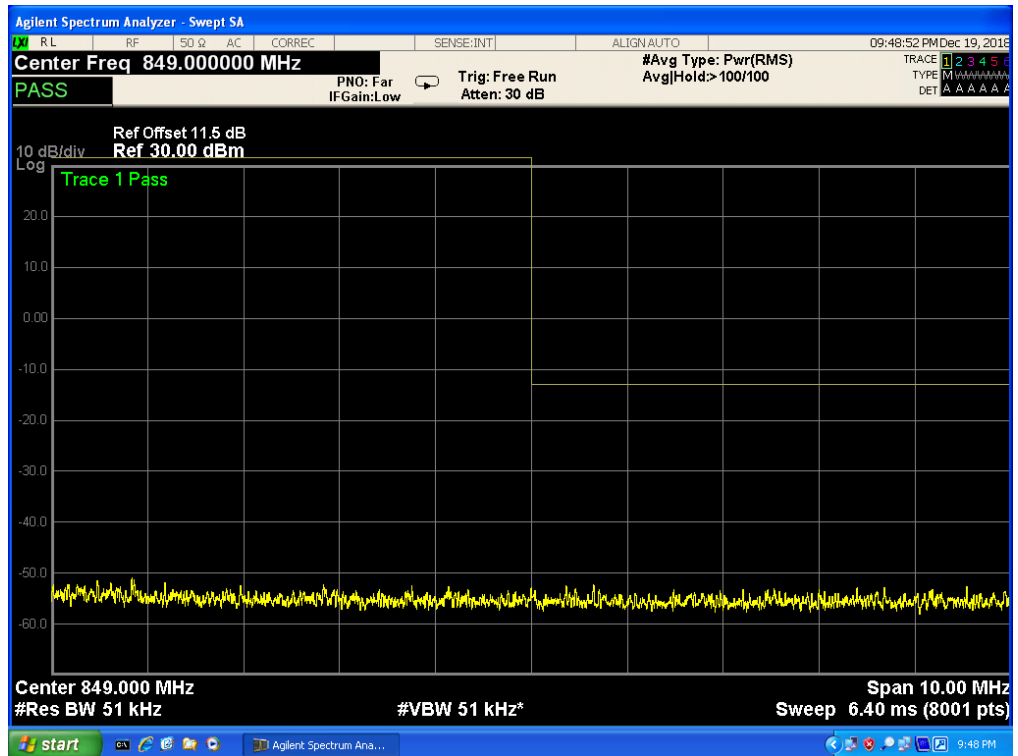
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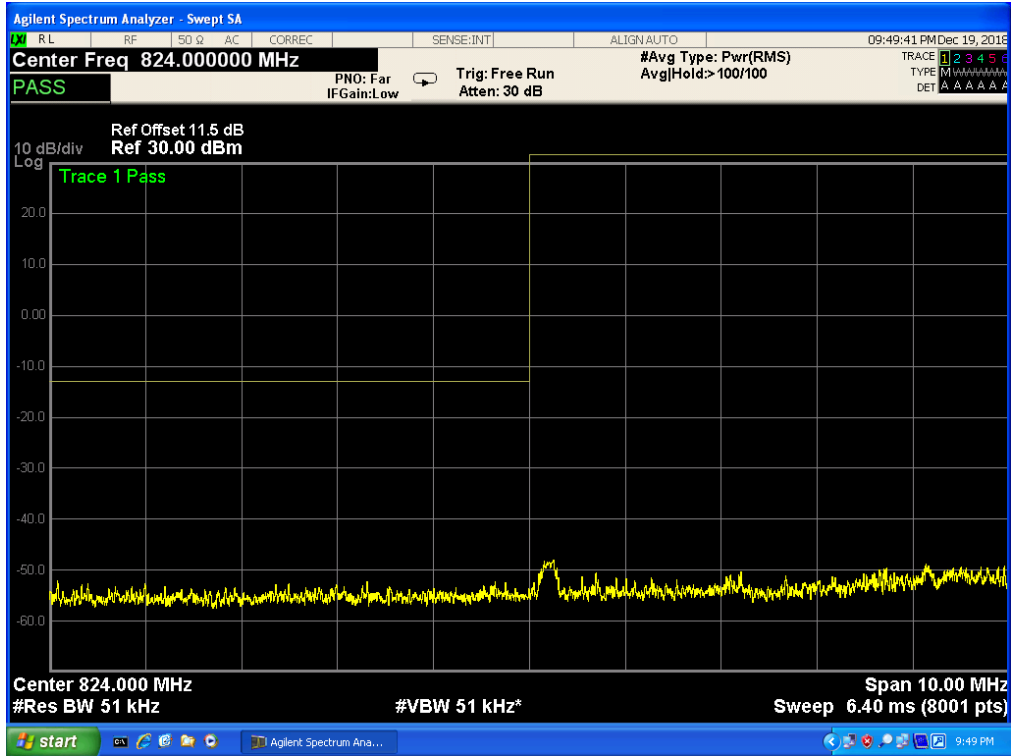
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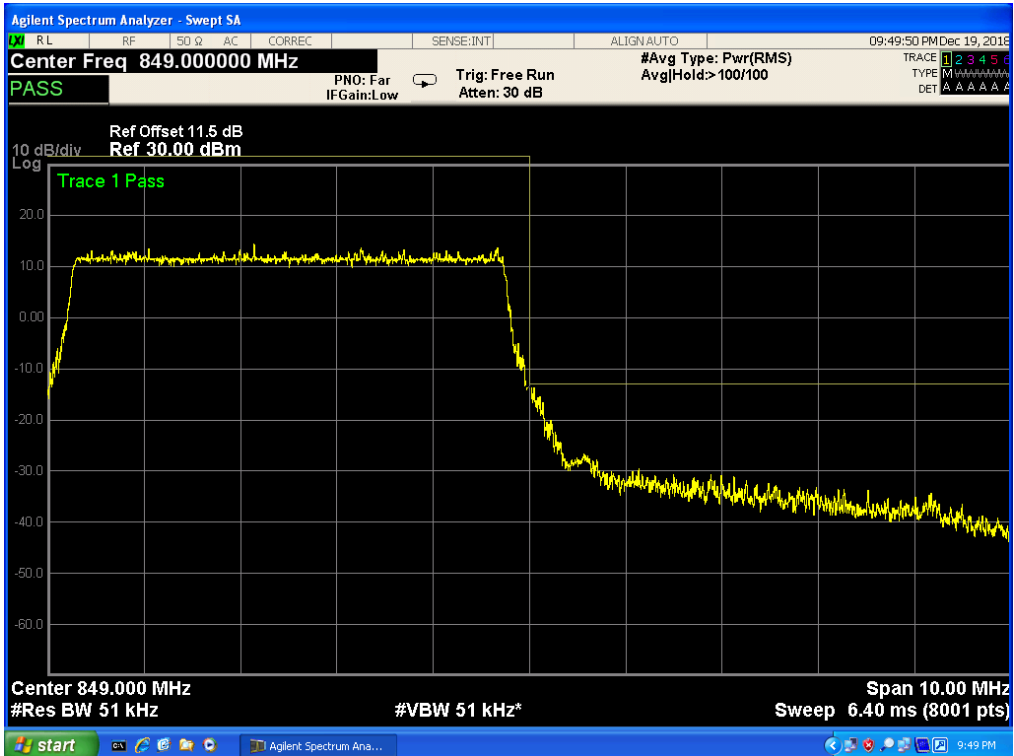
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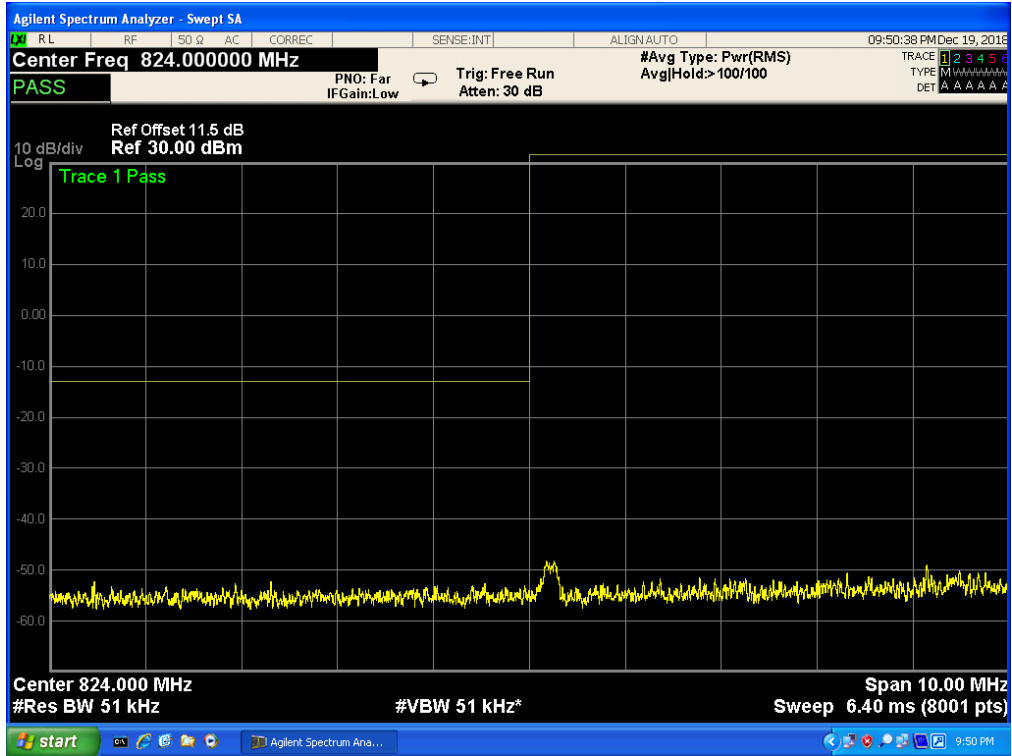
Band 5, UL Channel 20625, UL Frequency 846.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



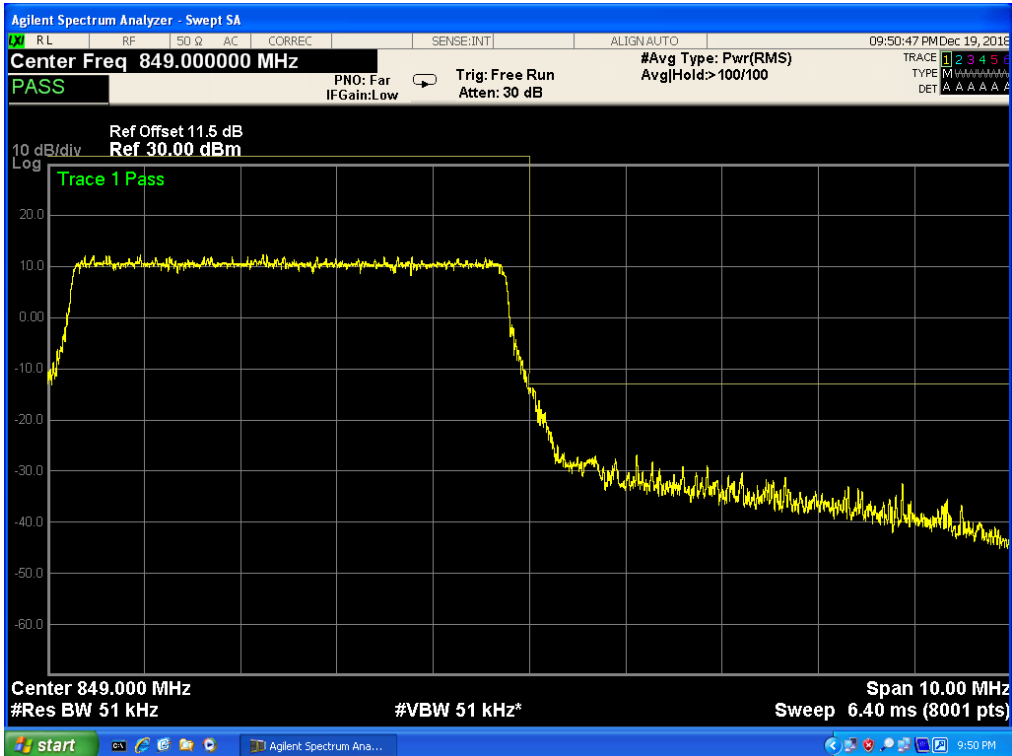
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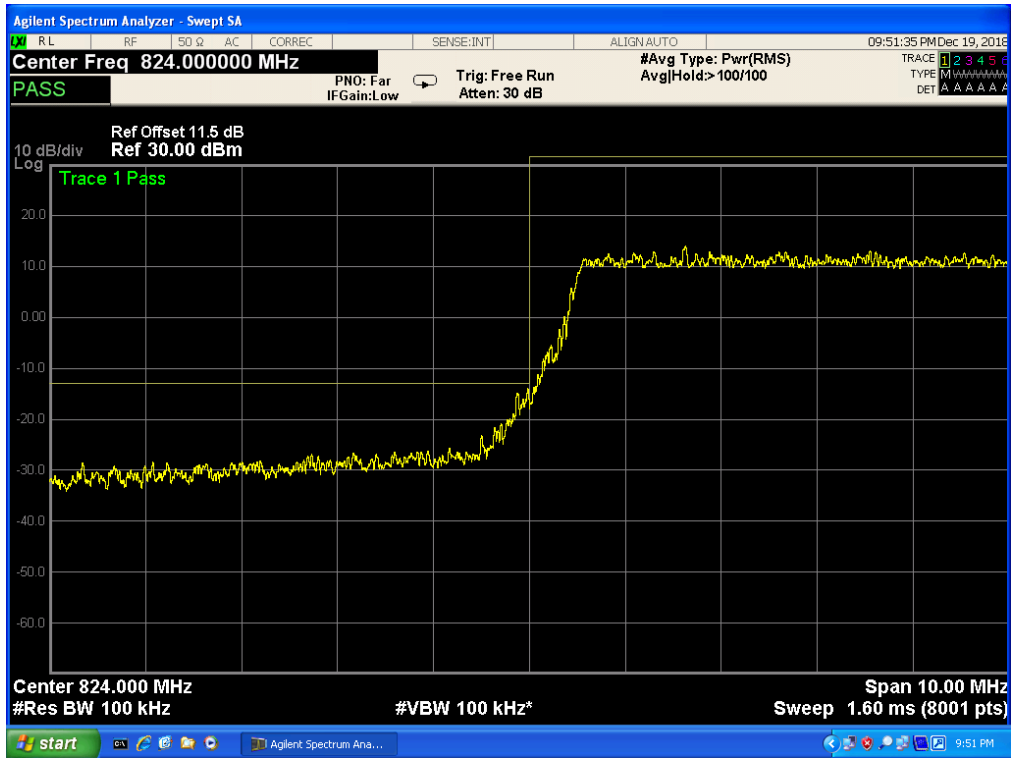
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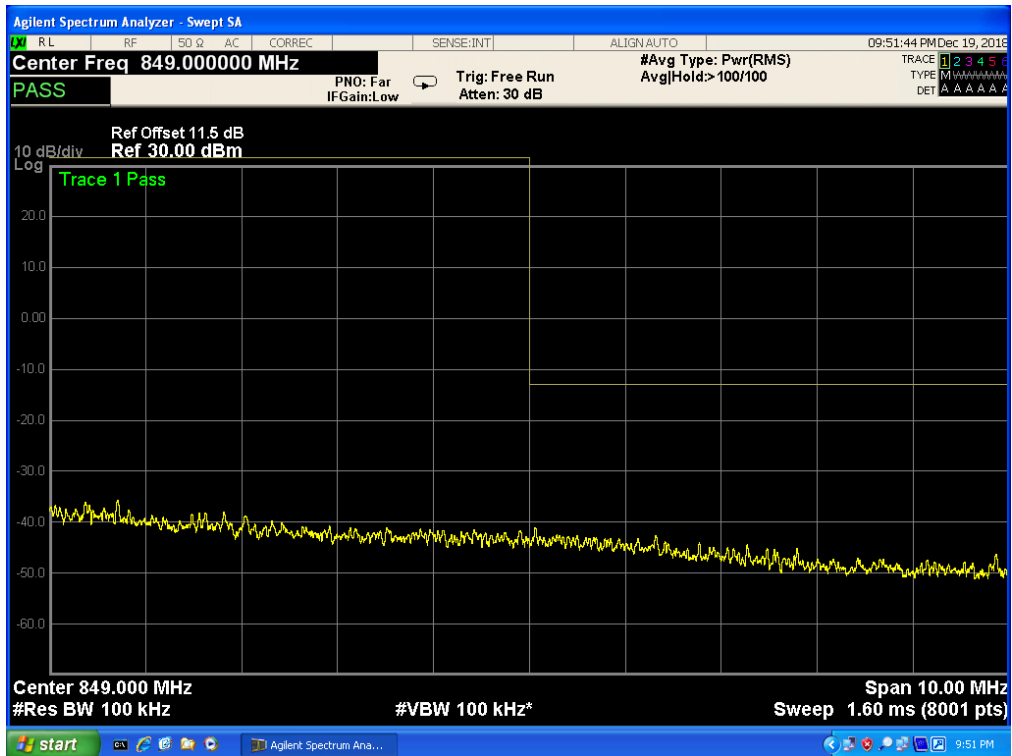
Band 5, UL Channel 20625, UL Frequency 846.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



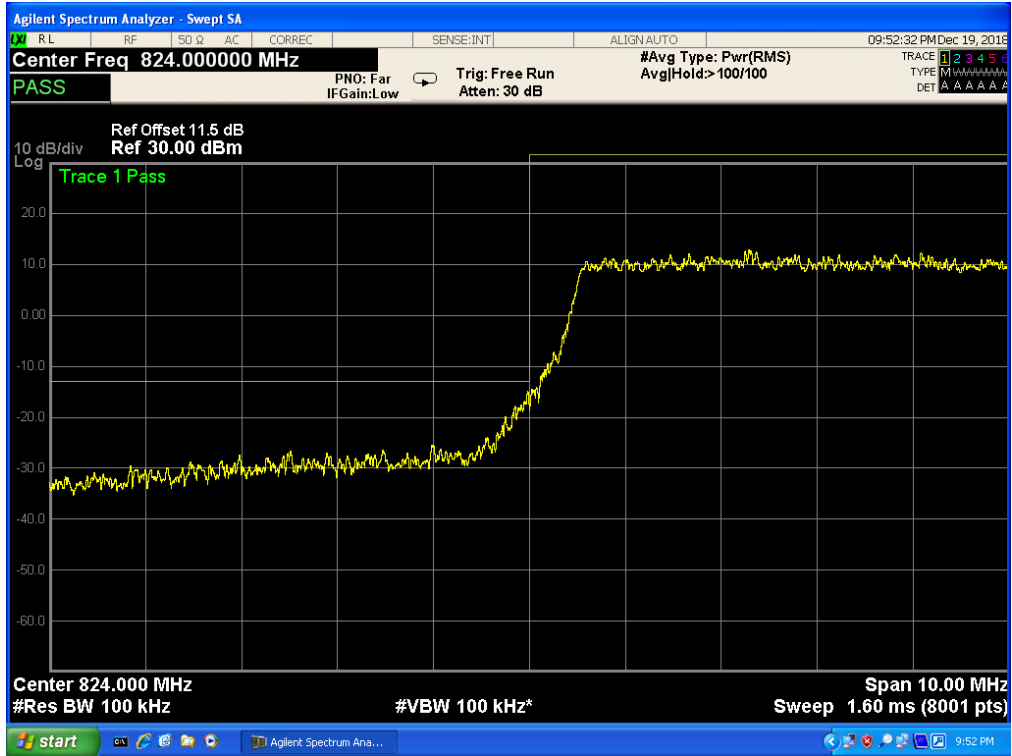
Band 5, UL Channel 20450, UL Frequency 829.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



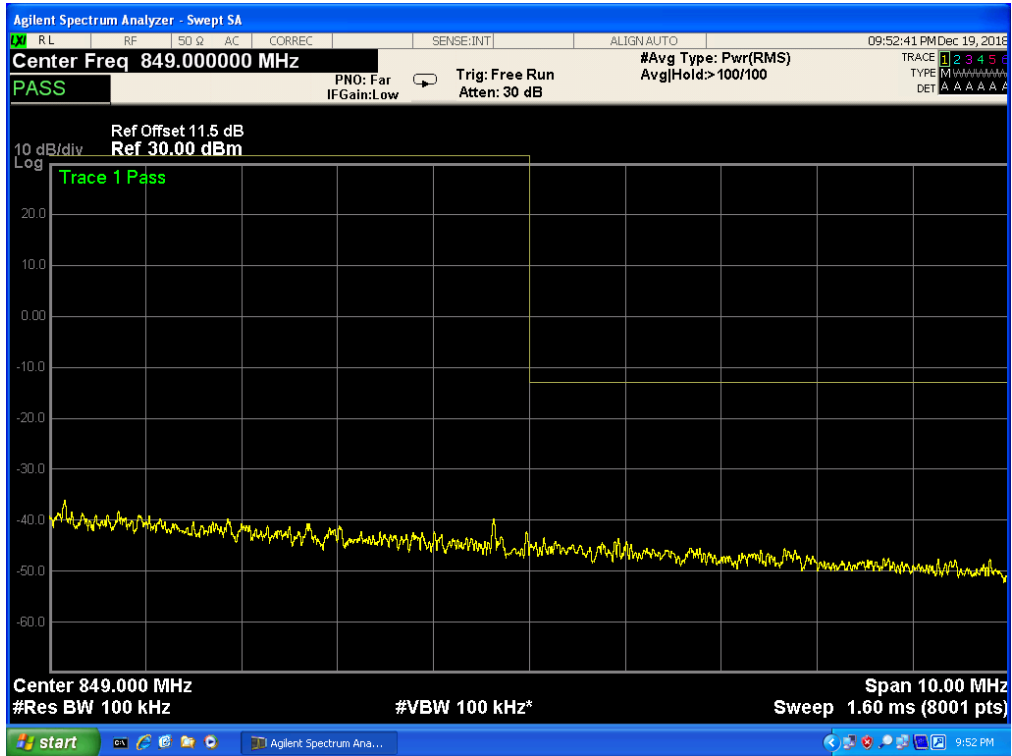
Band 5, UL Channel 20450, UL Frequency 829.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



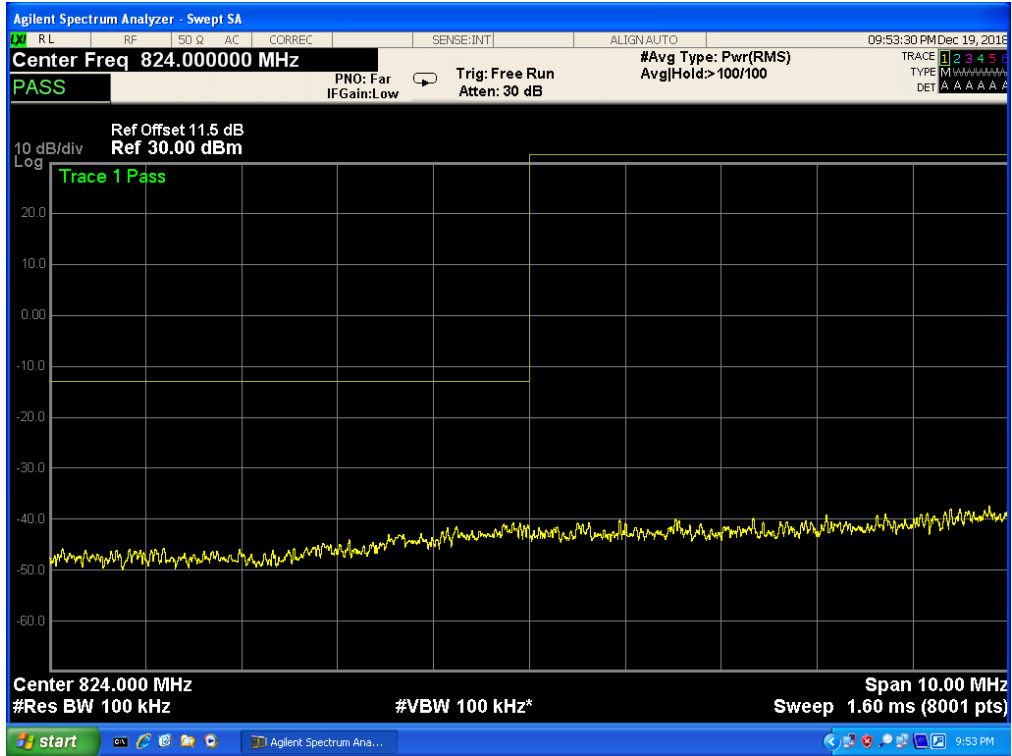
Band 5, UL Channel 20450, UL Frequency 829.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



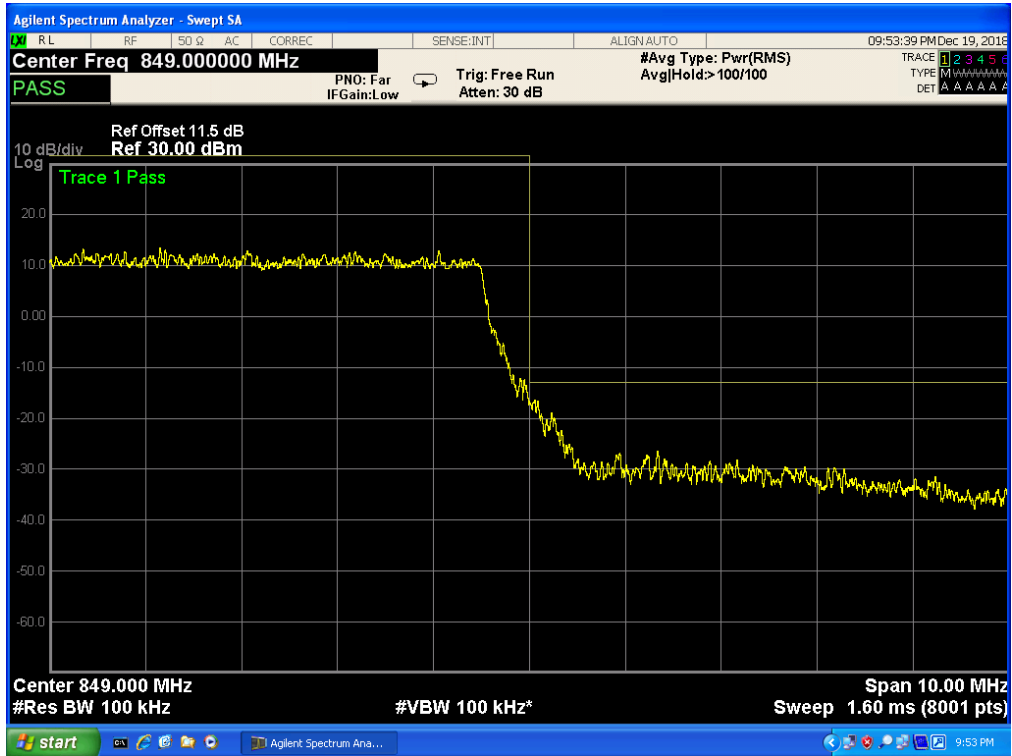
Band 5, UL Channel 20450, UL Frequency 829.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



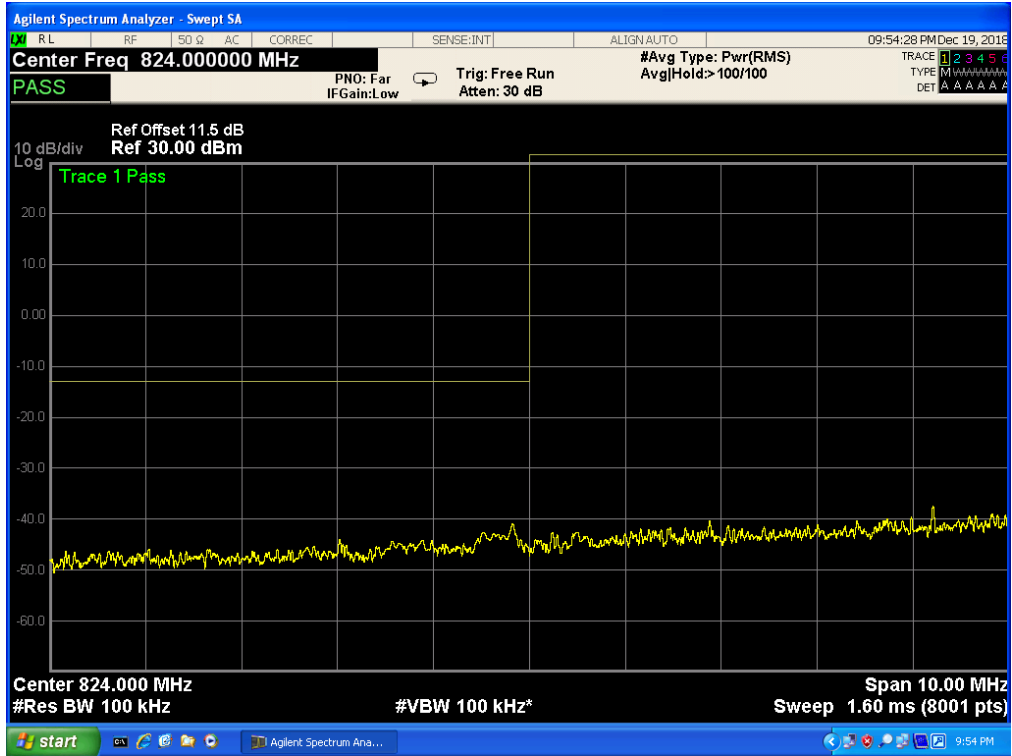
Band 5, UL Channel 20600, UL Frequency 844.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



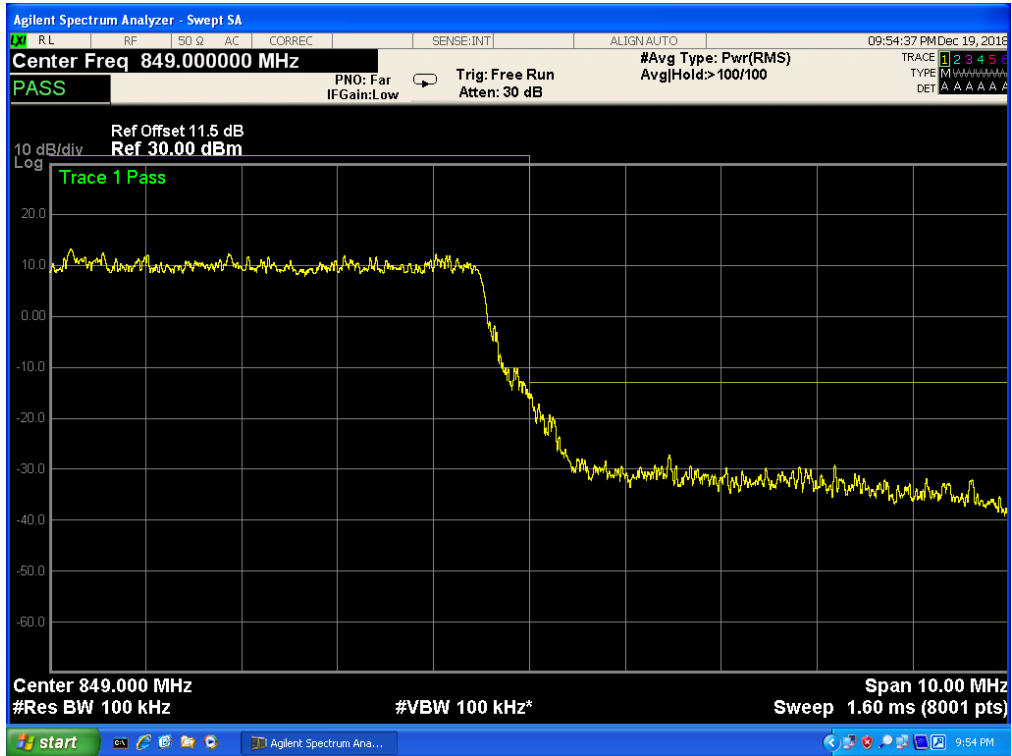
Band 5, UL Channel 20600, UL Frequency 844.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



Band 5, UL Channel 20600, UL Frequency 844.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM

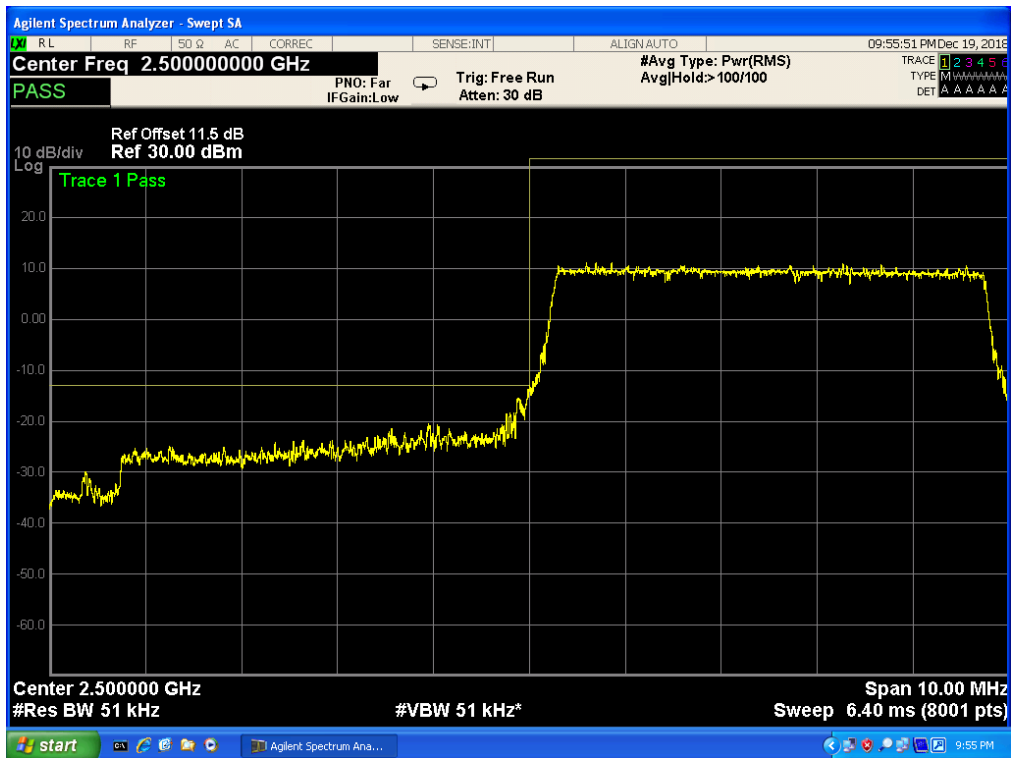


Band 5, UL Channel 20600, UL Frequency 844.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM

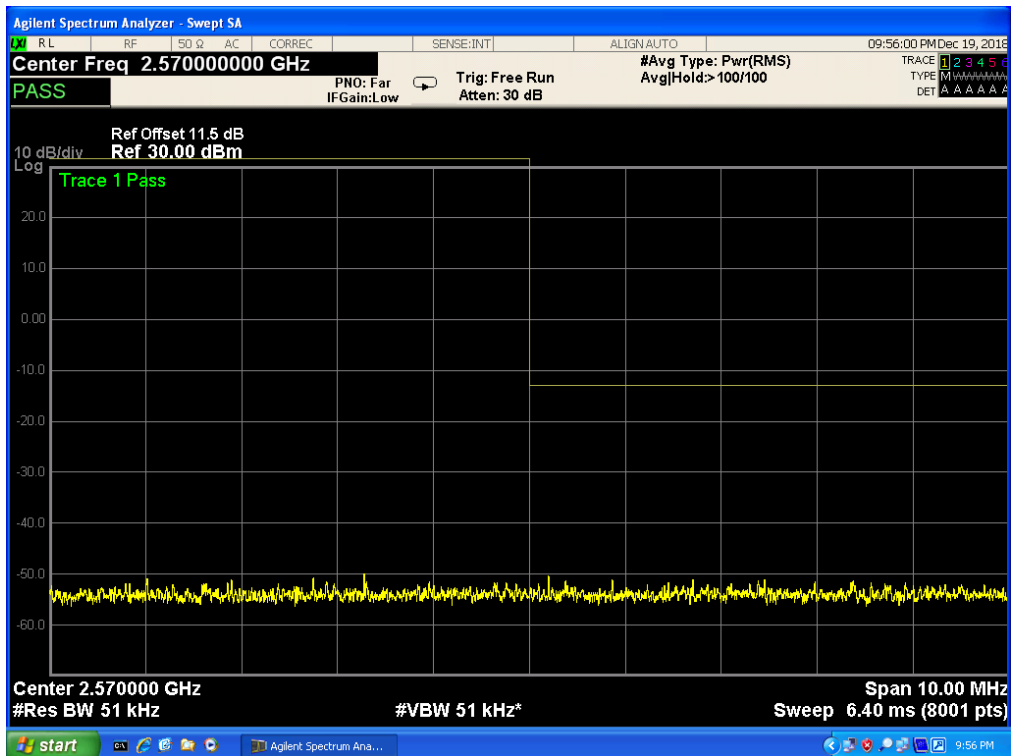


6.4 LTE BAND 7

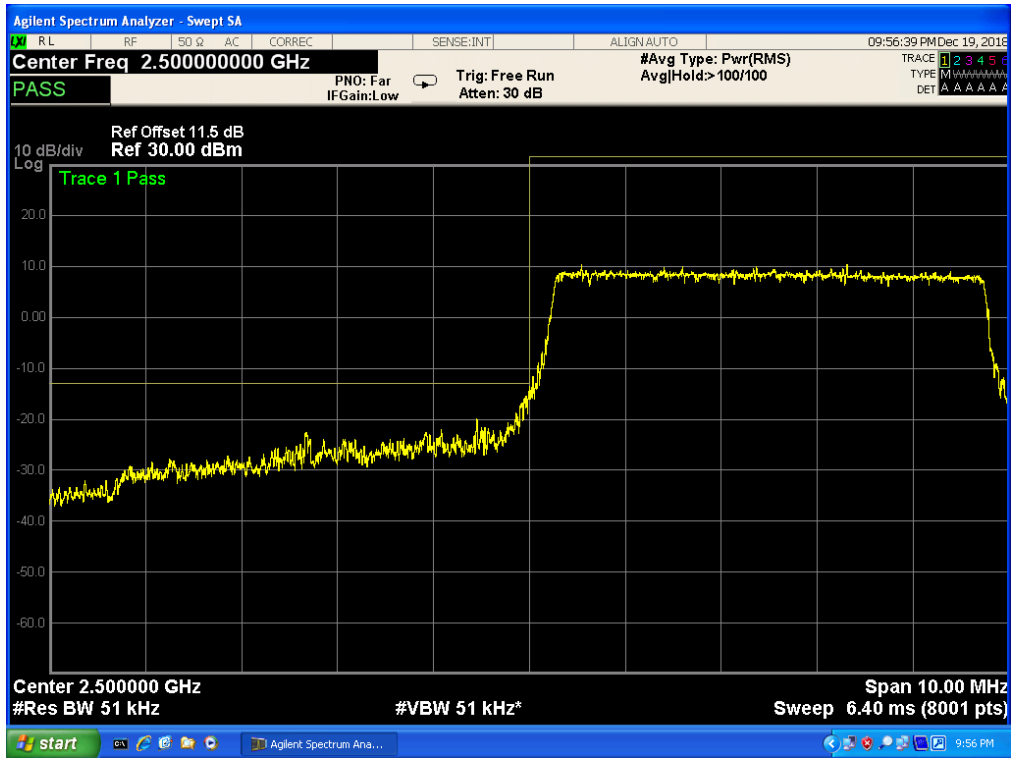
Band 7, UL Channel 20775, UL Frequency 2502.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



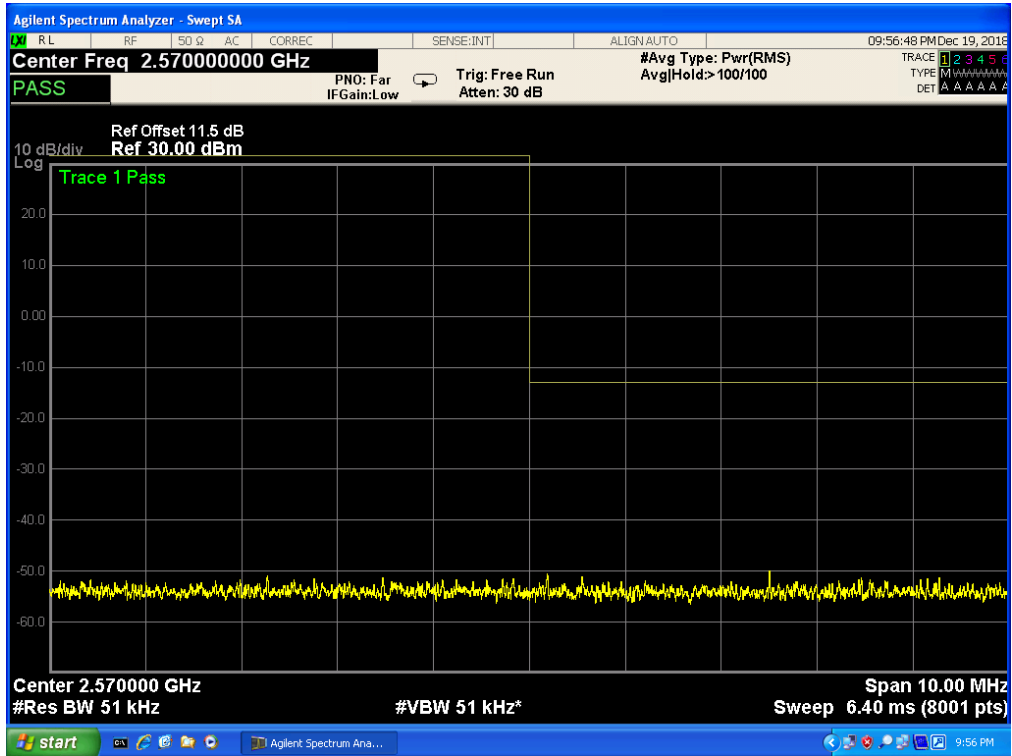
Band 7, UL Channel 20775, UL Frequency 2502.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



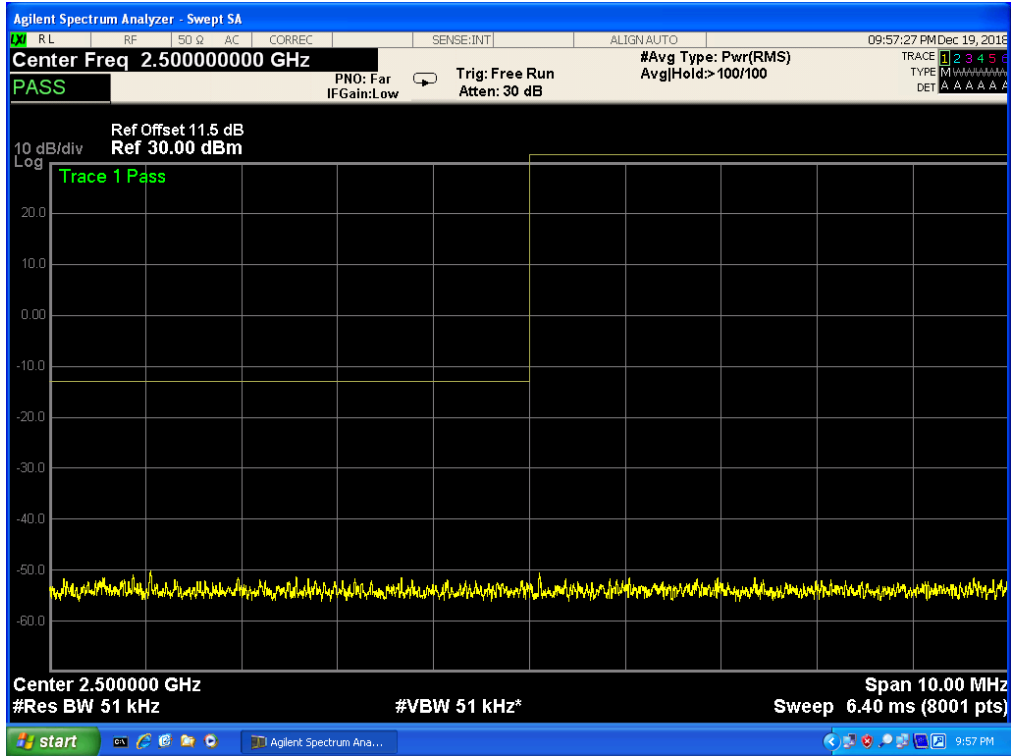
Band 7, UL Channel 20775, UL Frequency 2502.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



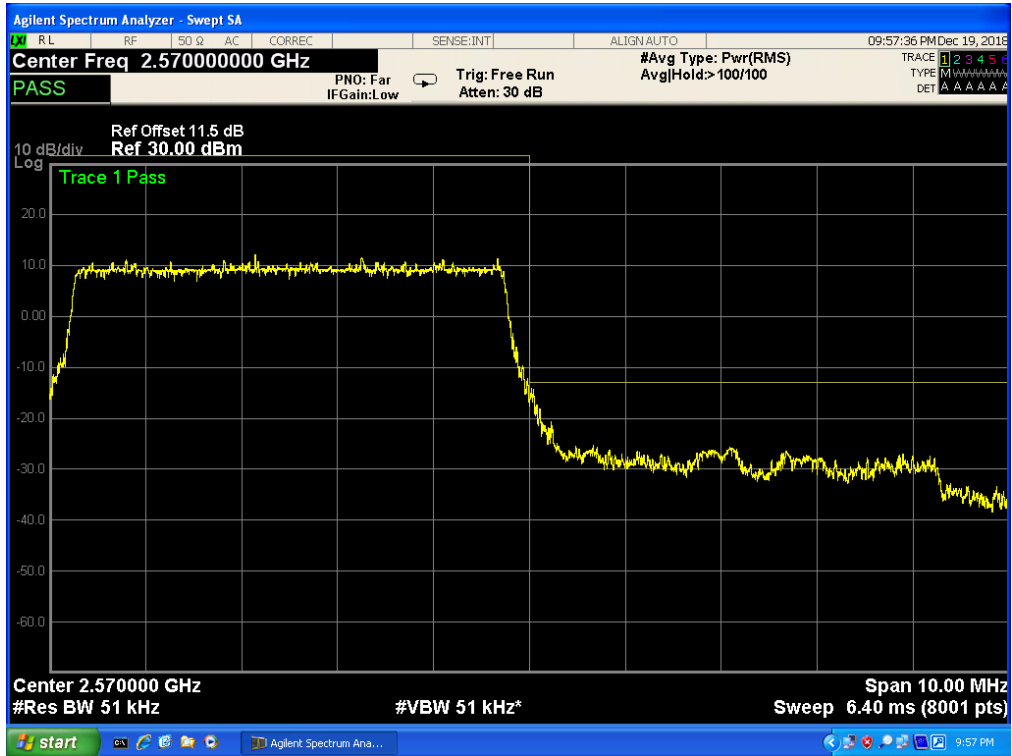
Band 7, UL Channel 20775, UL Frequency 2502.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



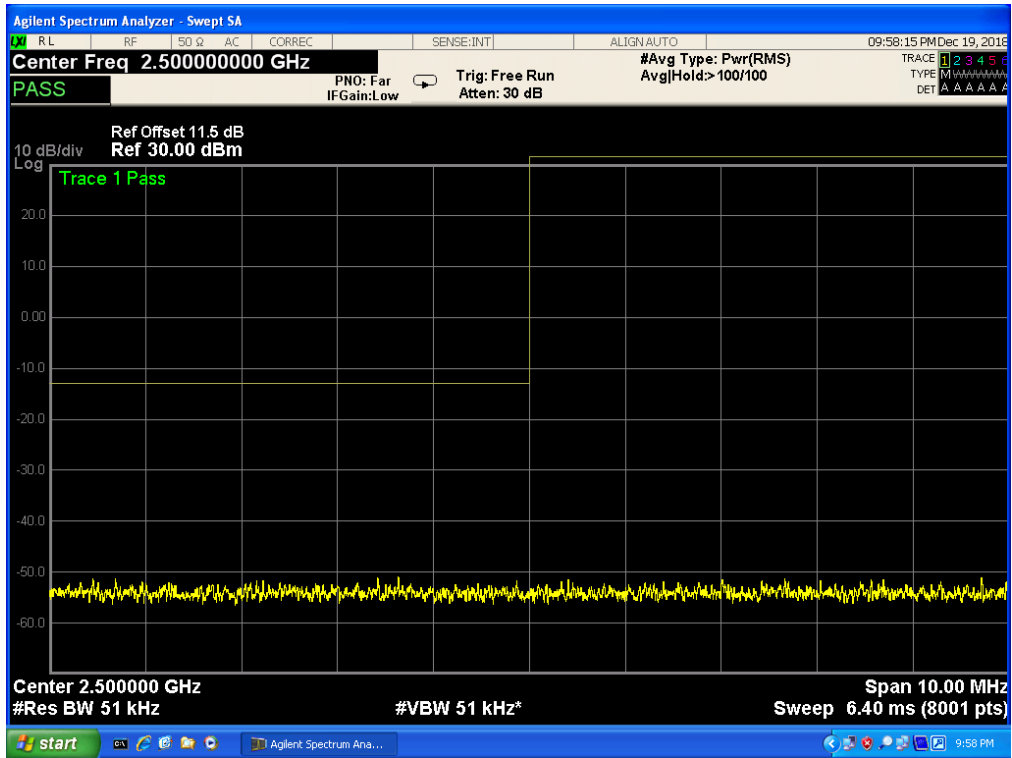
Band 7, UL Channel 21425, UL Frequency 2567.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



Band 7, UL Channel 21425, UL Frequency 2567.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



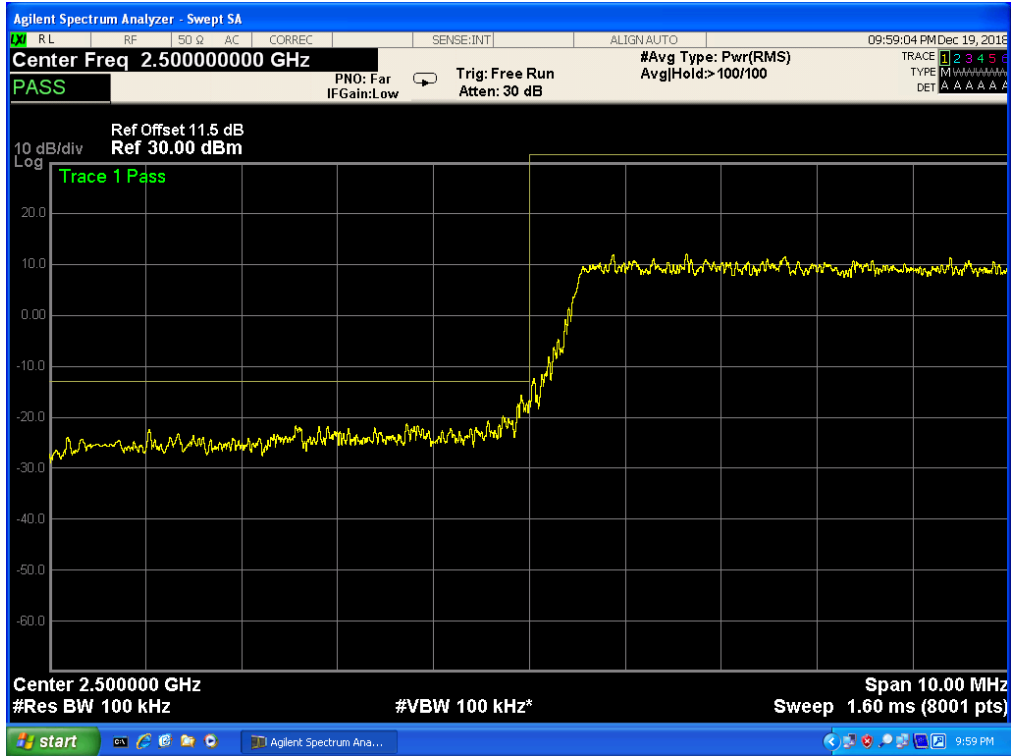
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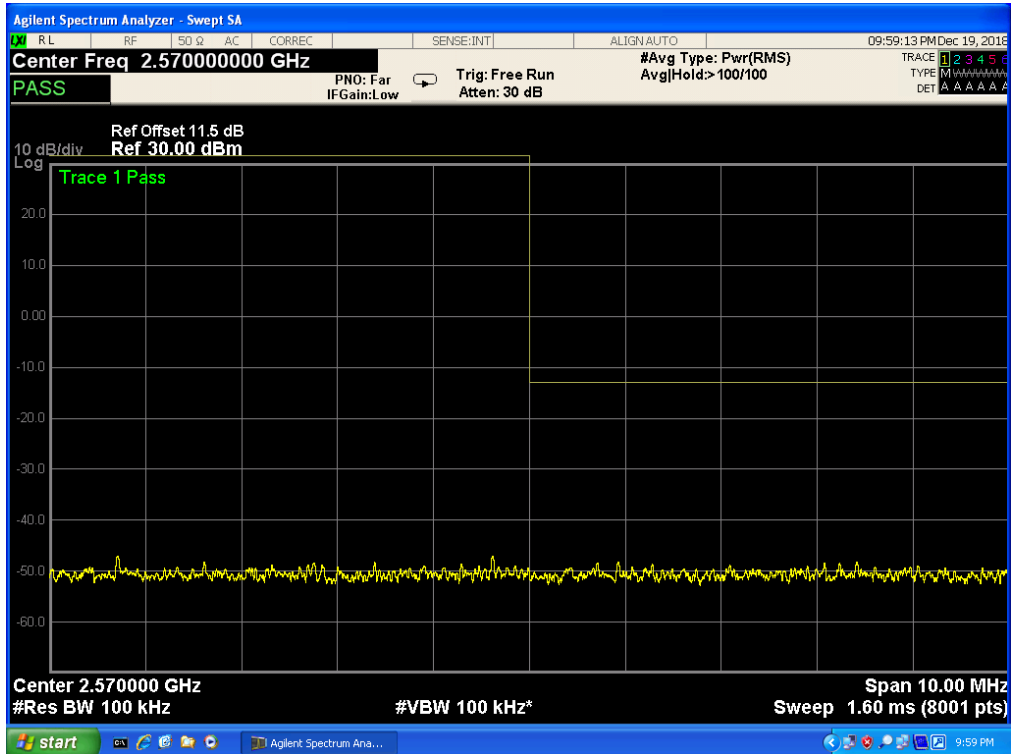
Band 7, UL Channel 21425, UL Frequency 2567.5, BW 5.0, NO. RB 25, RB POS. Low, 16QAM



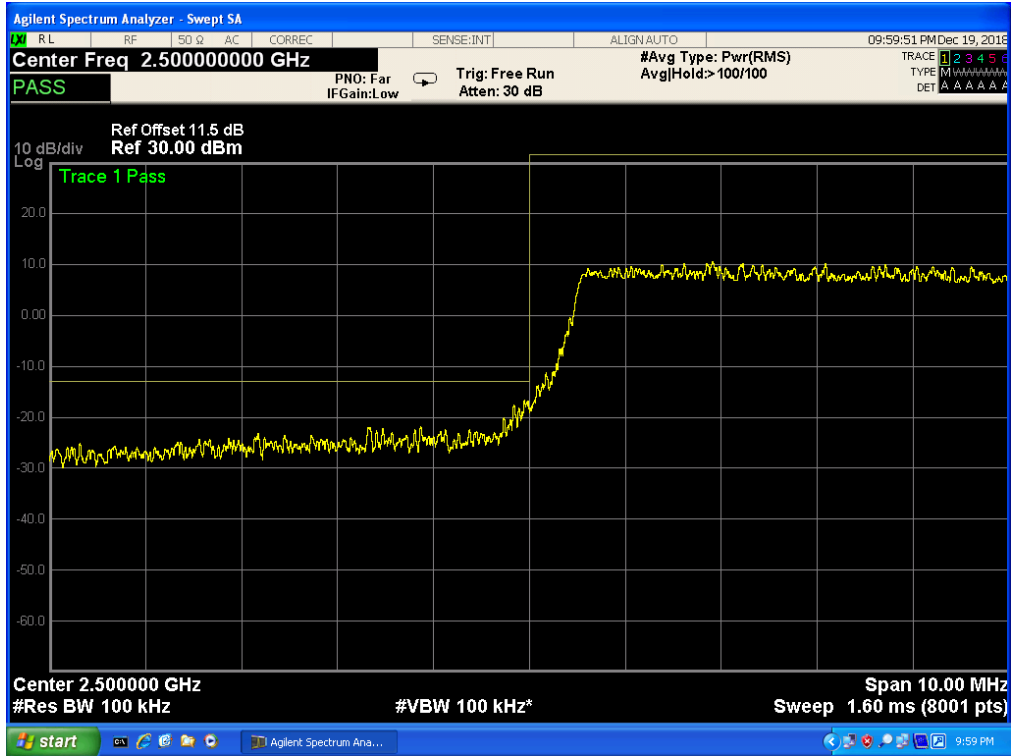
Band 7, UL Channel 20800, UL Frequency 2505.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



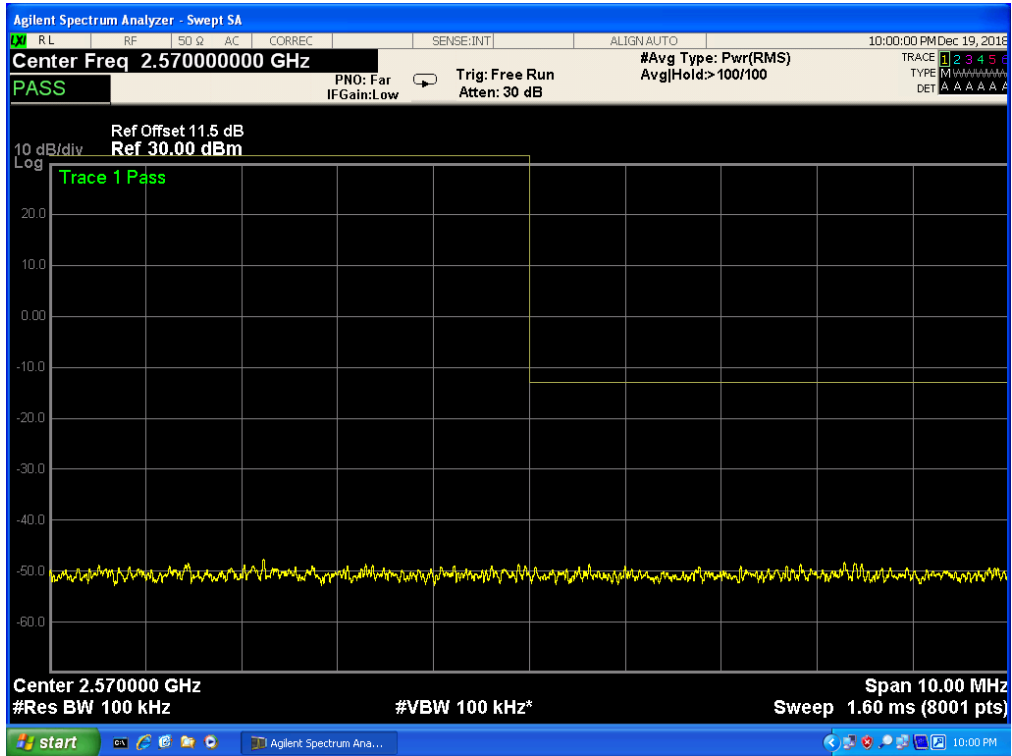
Band 7, UL Channel 20800, UL Frequency 2505.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



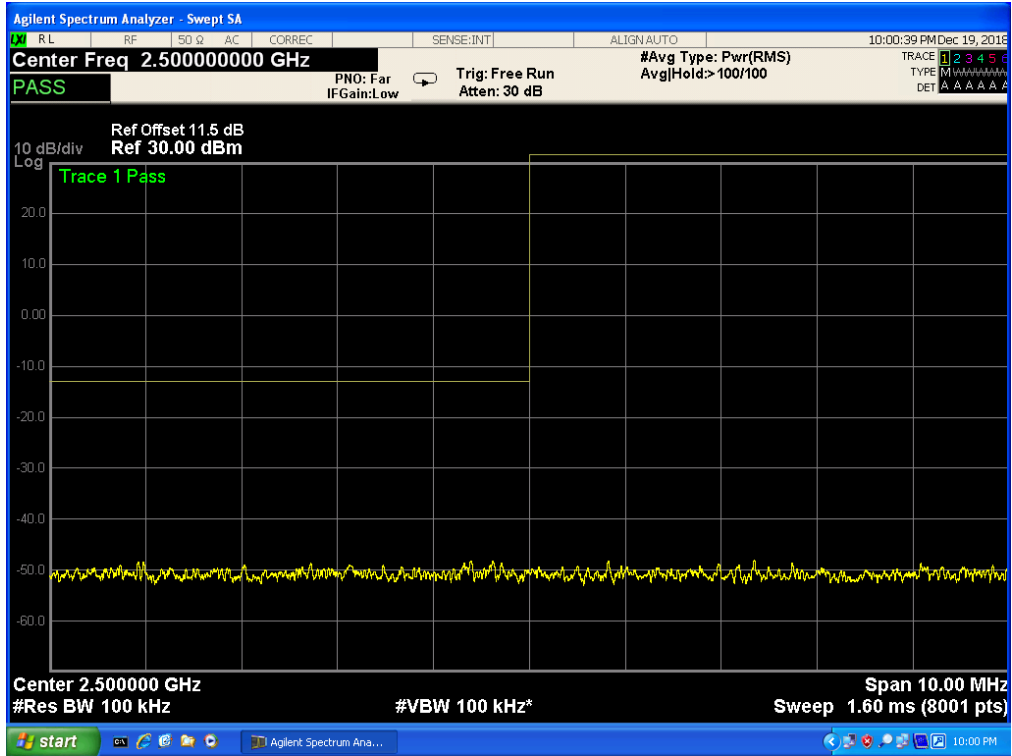
Band 7, UL Channel 20800, UL Frequency 2505.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



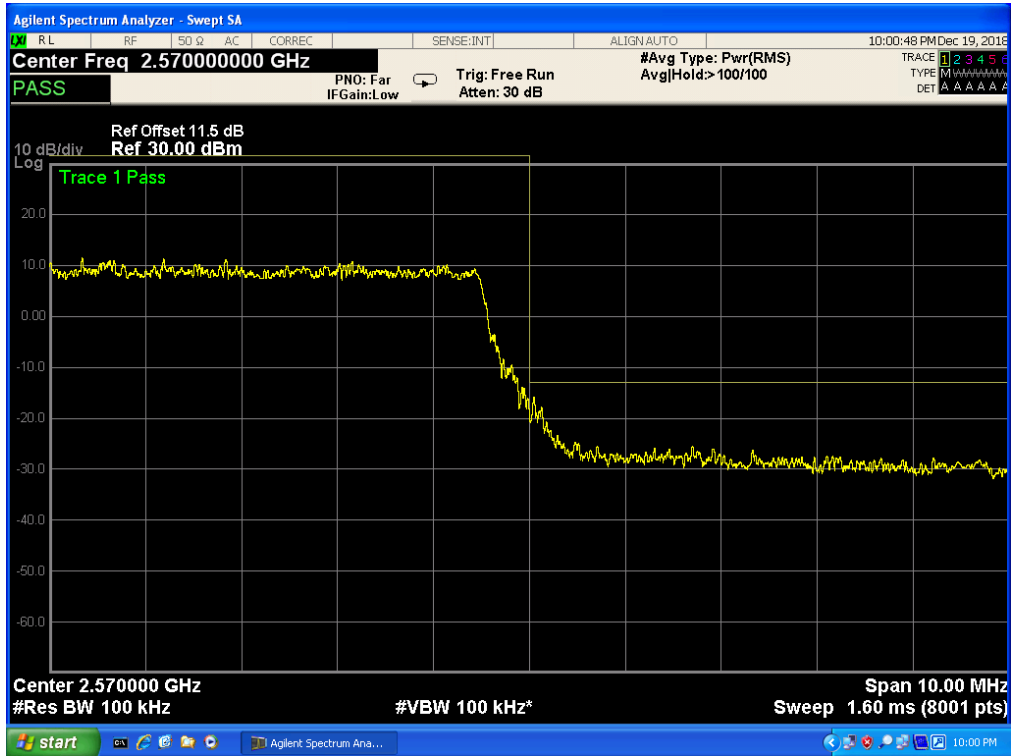
Band 7, UL Channel 20800, UL Frequency 2505.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



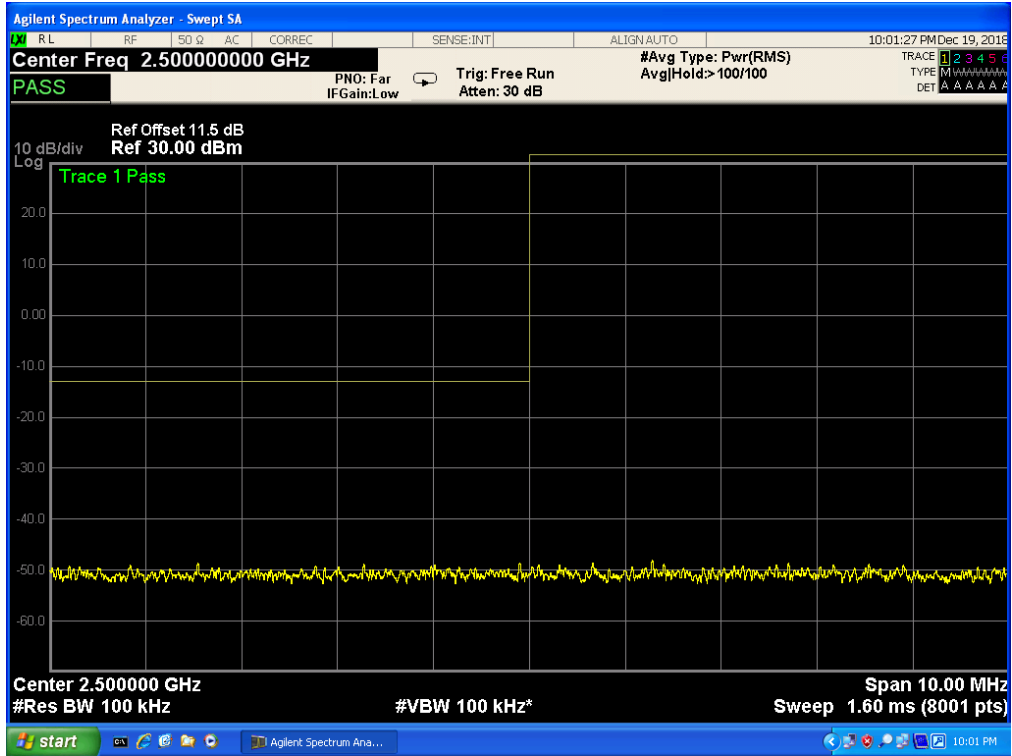
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



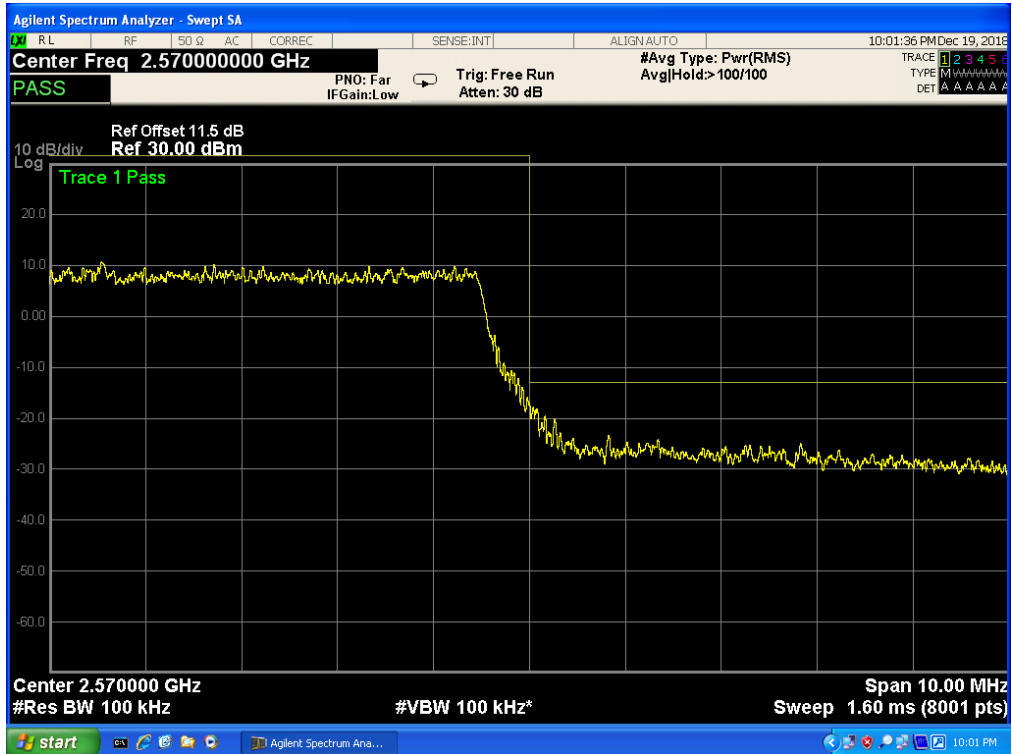
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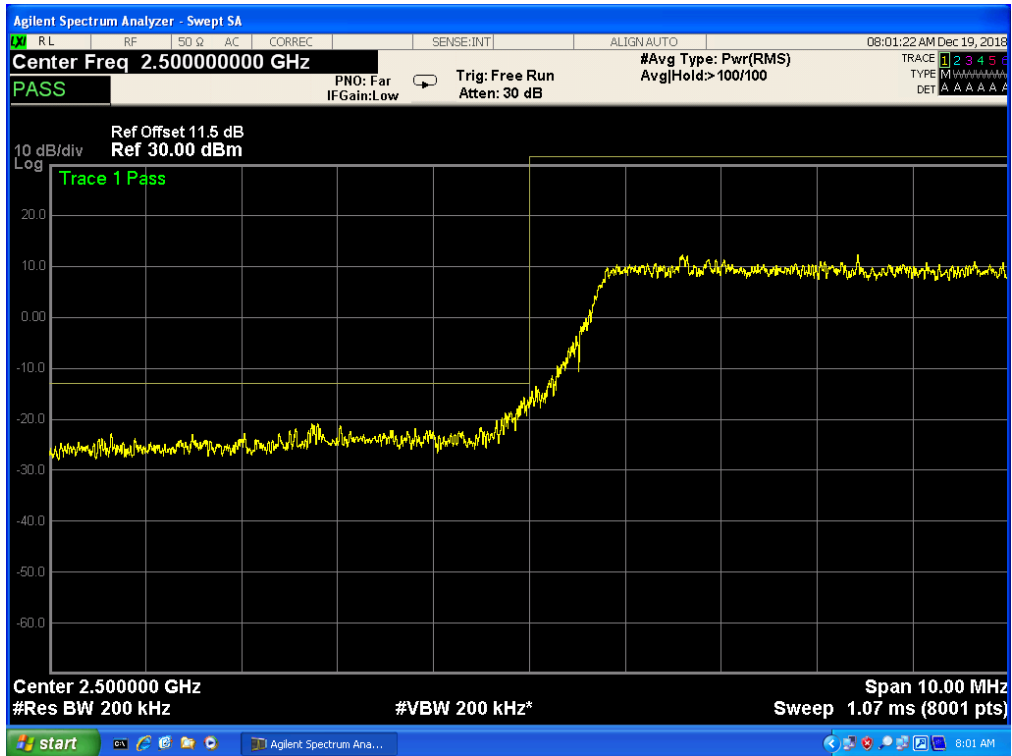
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



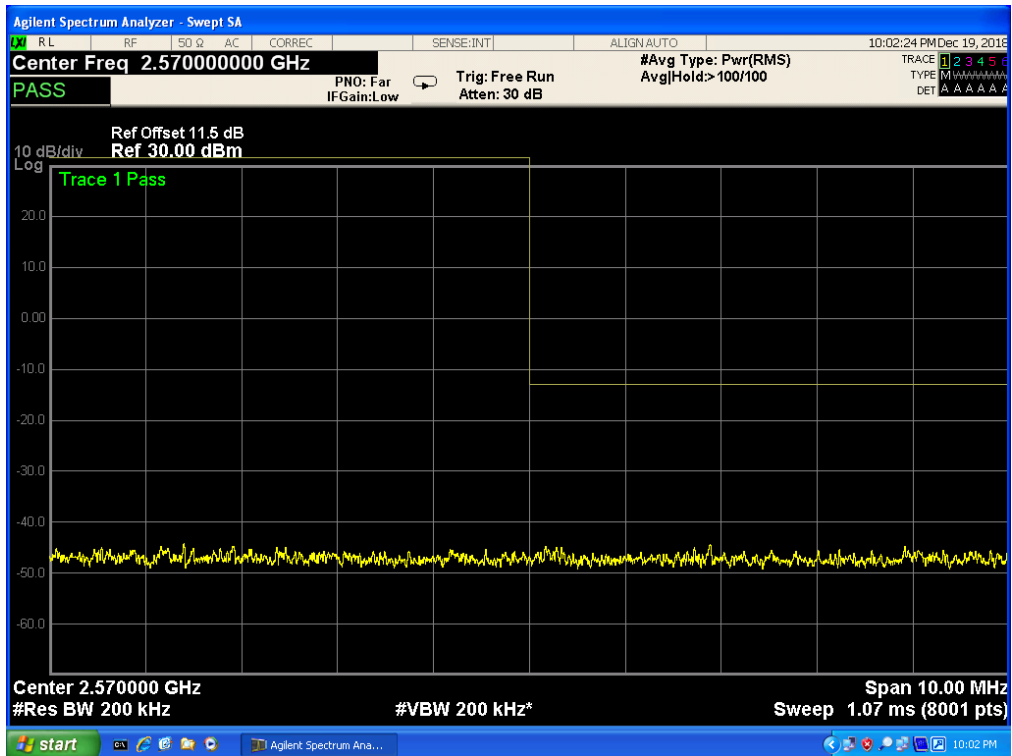
Band 7, UL Channel 21400, UL Frequency 2565.0, BW 10.0, NO. RB 50, RB POS. Low, 16QAM



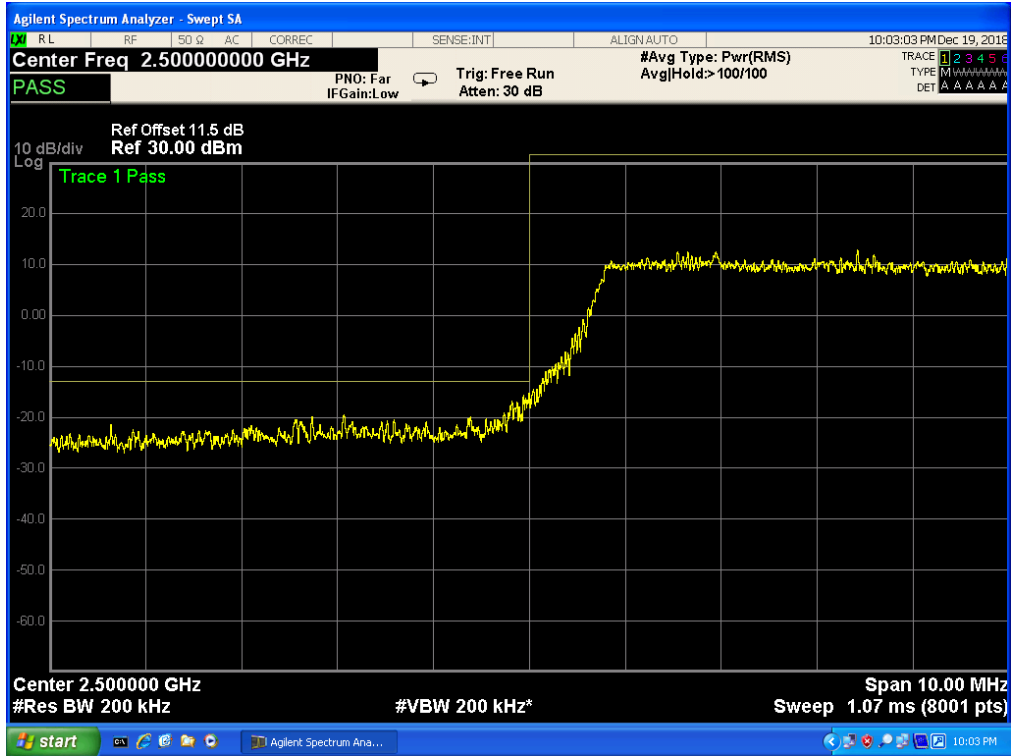
Band 7, UL Channel 20825, UL Frequency 2507.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



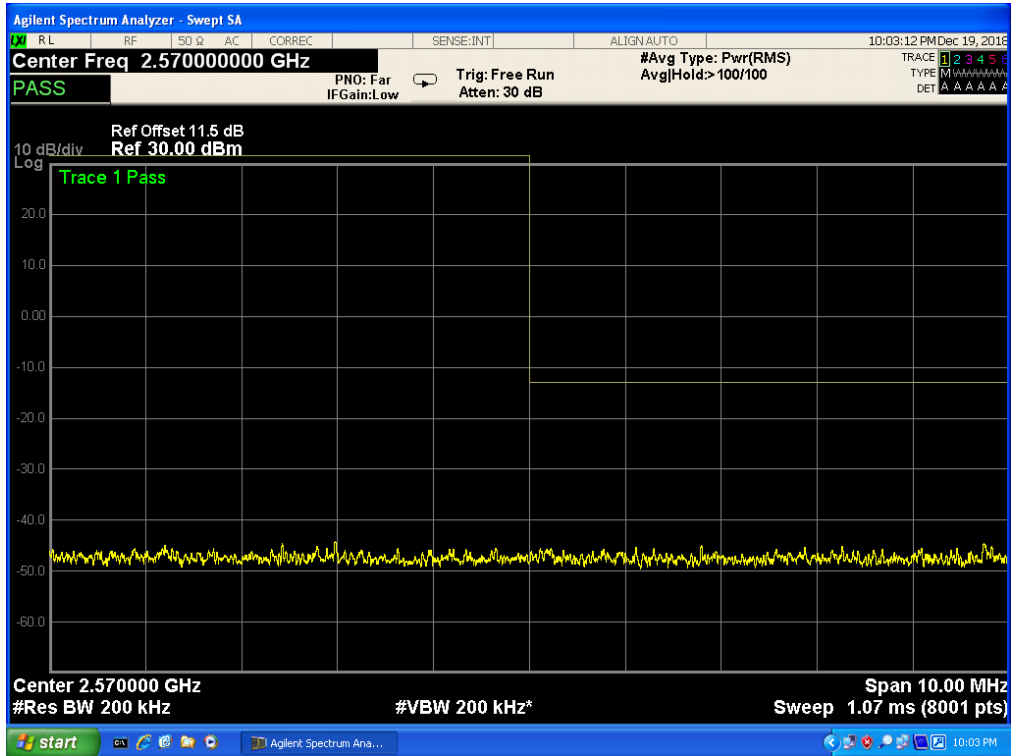
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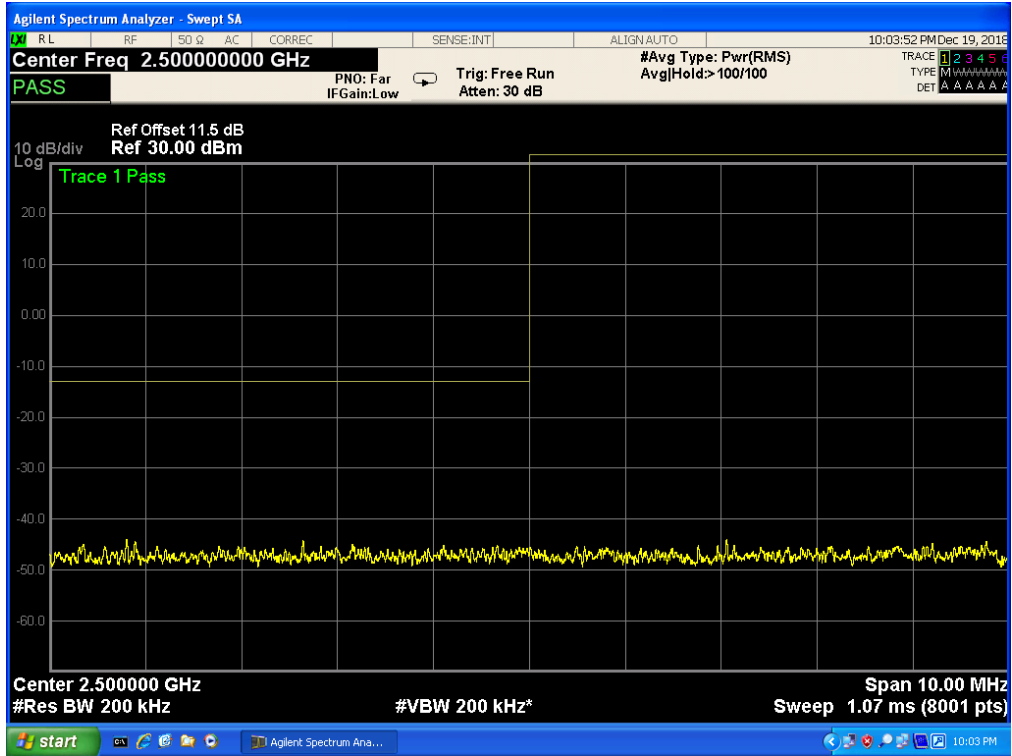
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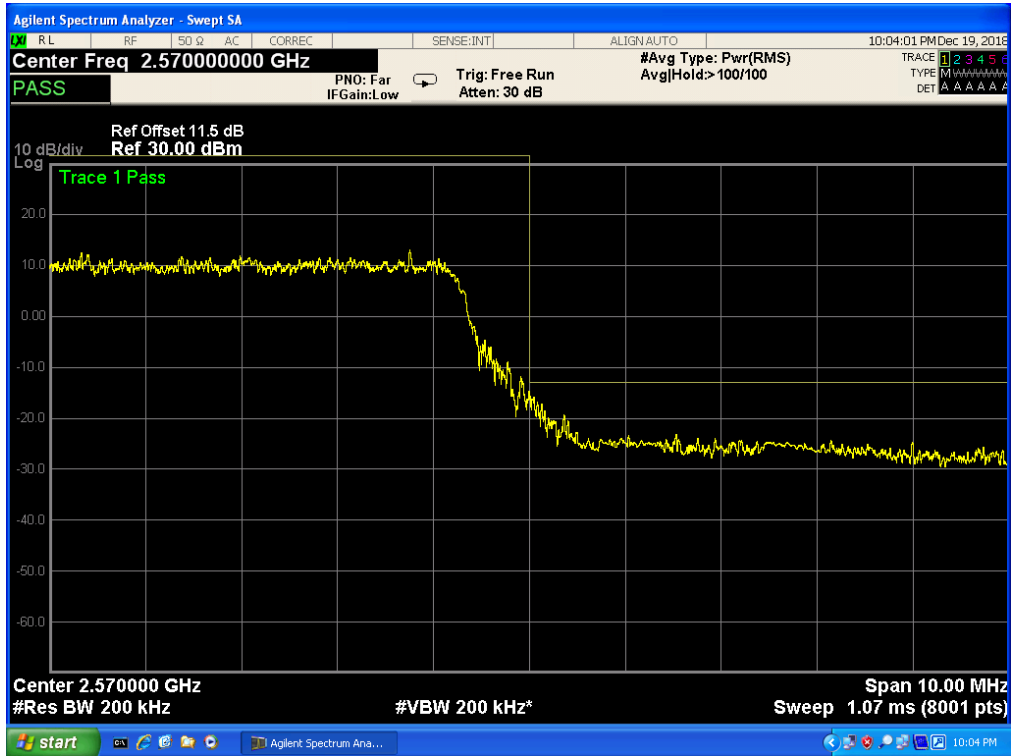
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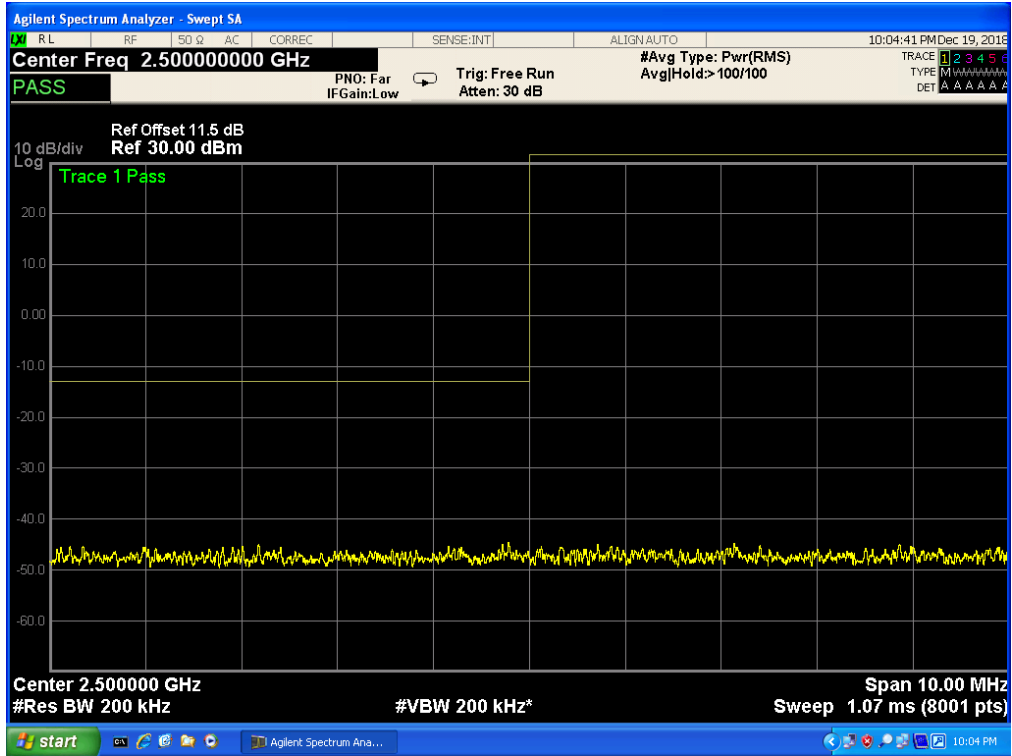
Band 7, UL Channel 21375, UL Frequency 2562.5, BW 15.0, NO. RB 75, RB POS. Low, QPSK



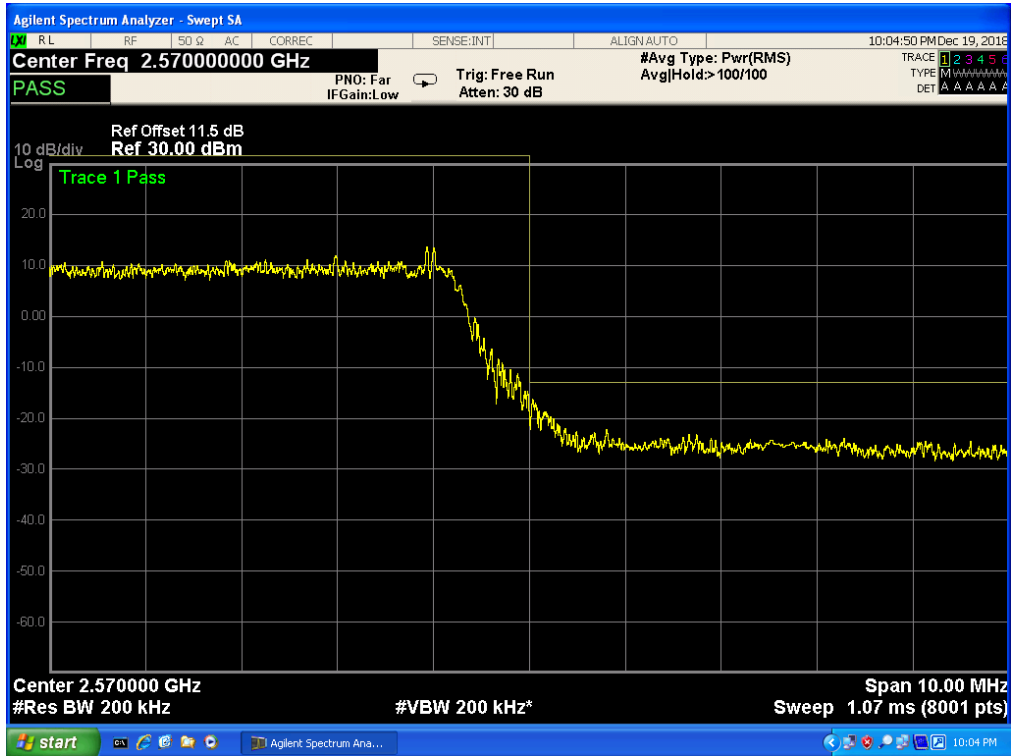
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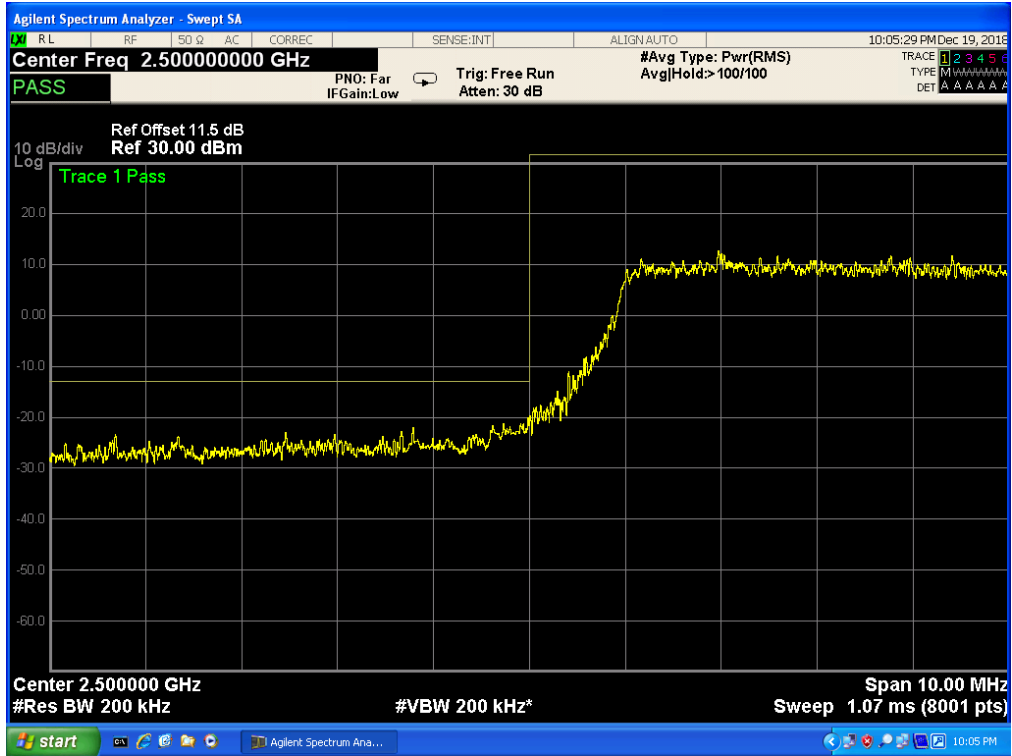
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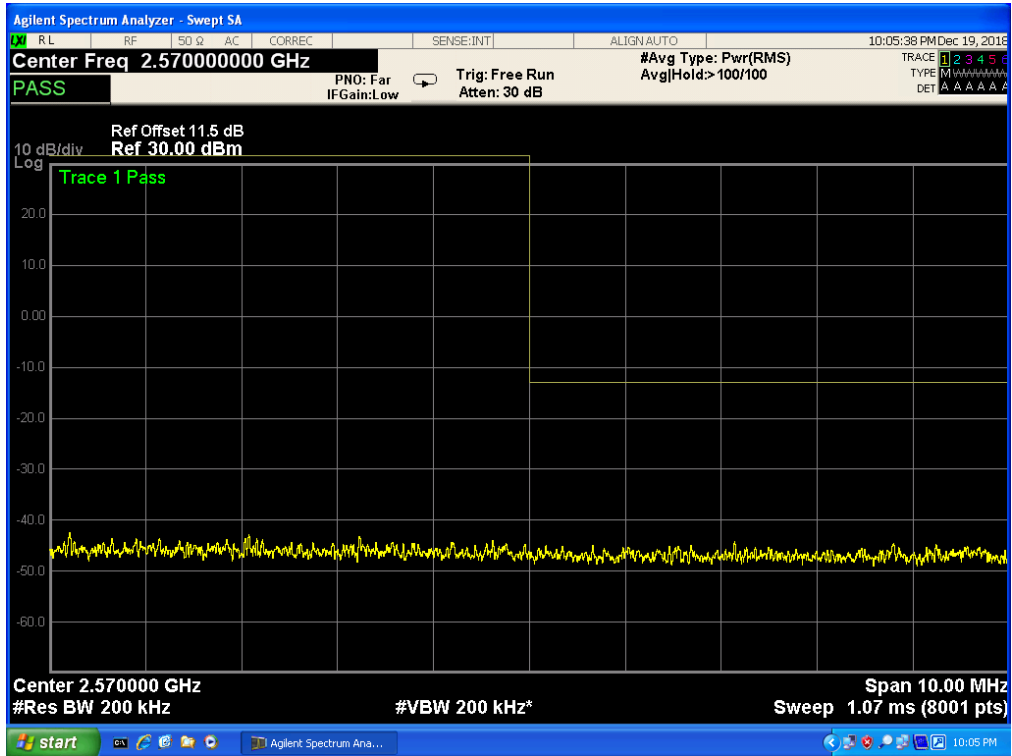
Band 7, UL Channel 21375, UL Frequency 2562.5, BW 15.0, NO. RB 75, RB POS. Low, 16QAM



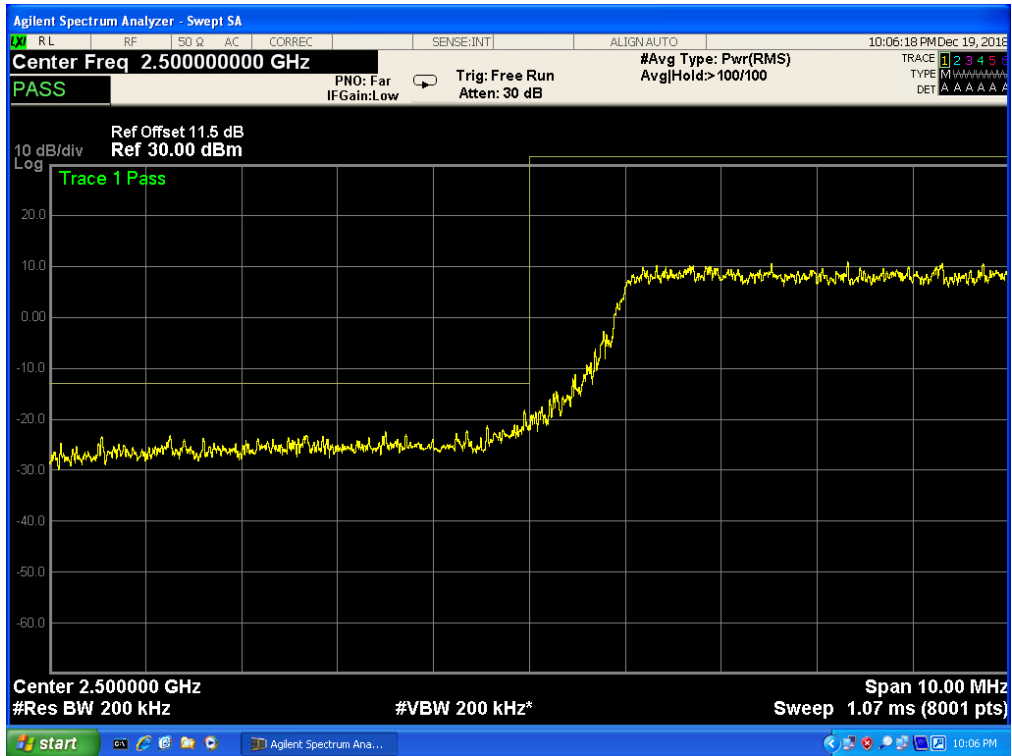
Band 7, UL Channel 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



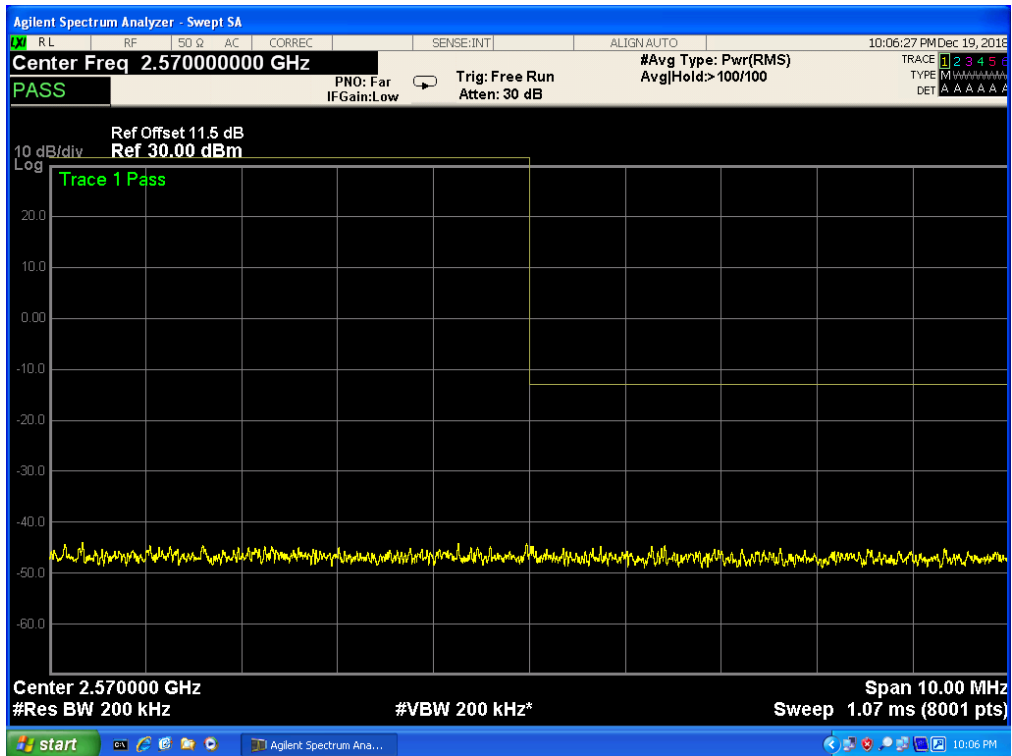
Band 7, UL Channel 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



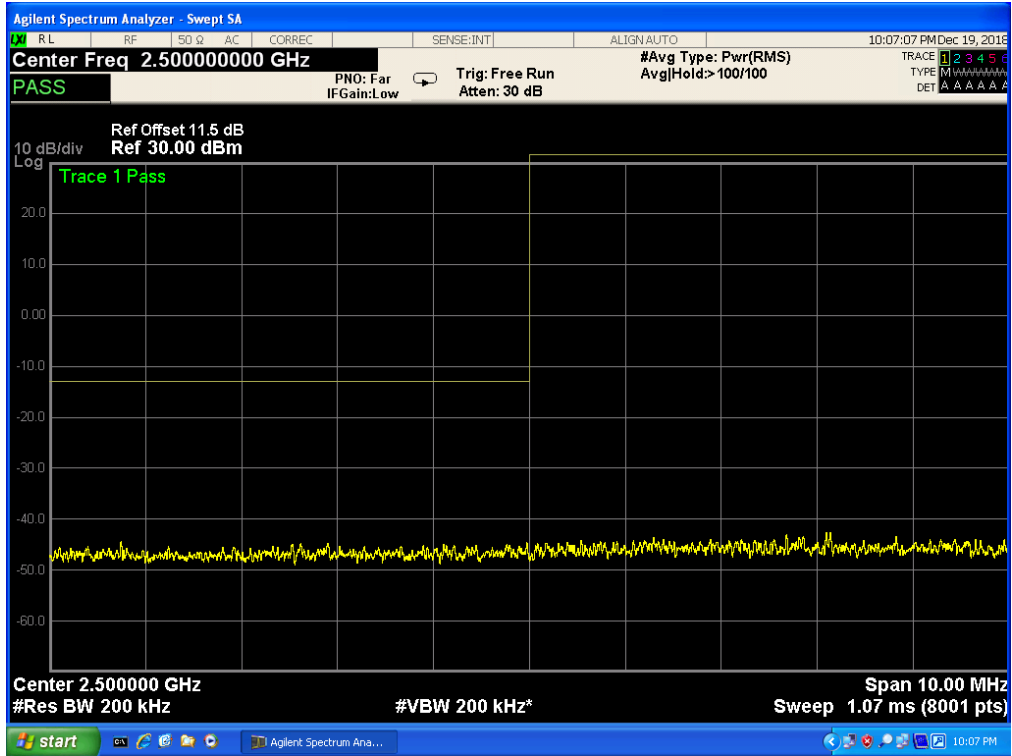
Band 7, UL Channel 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



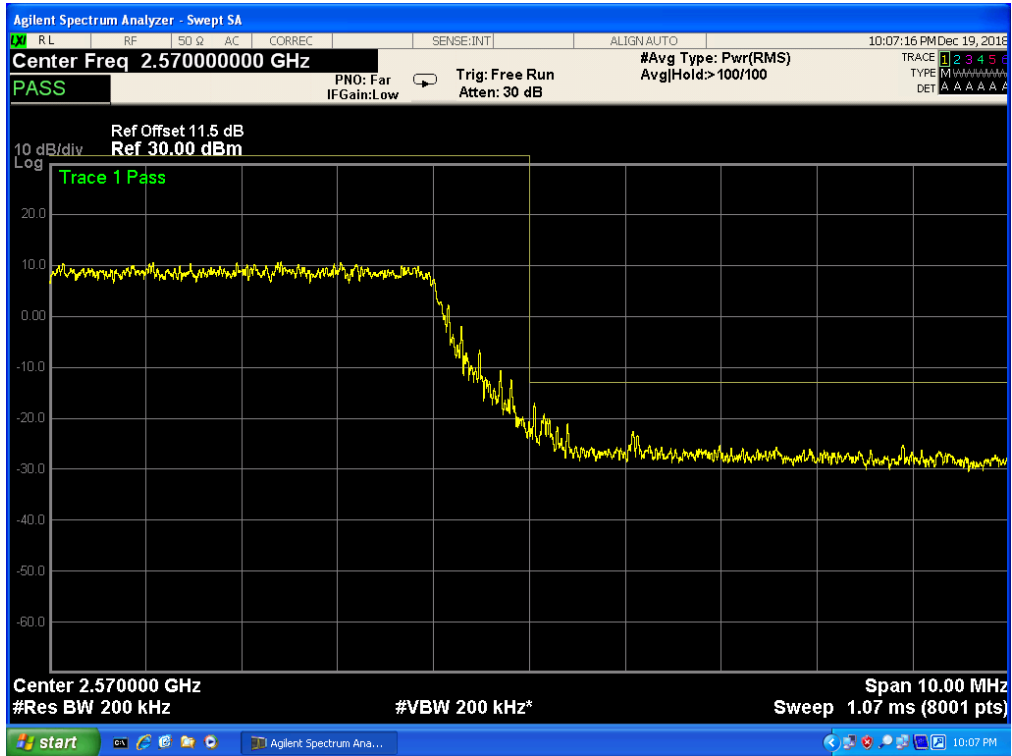
Band 7, UL Channel 20850, UL Frequency 2510.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM



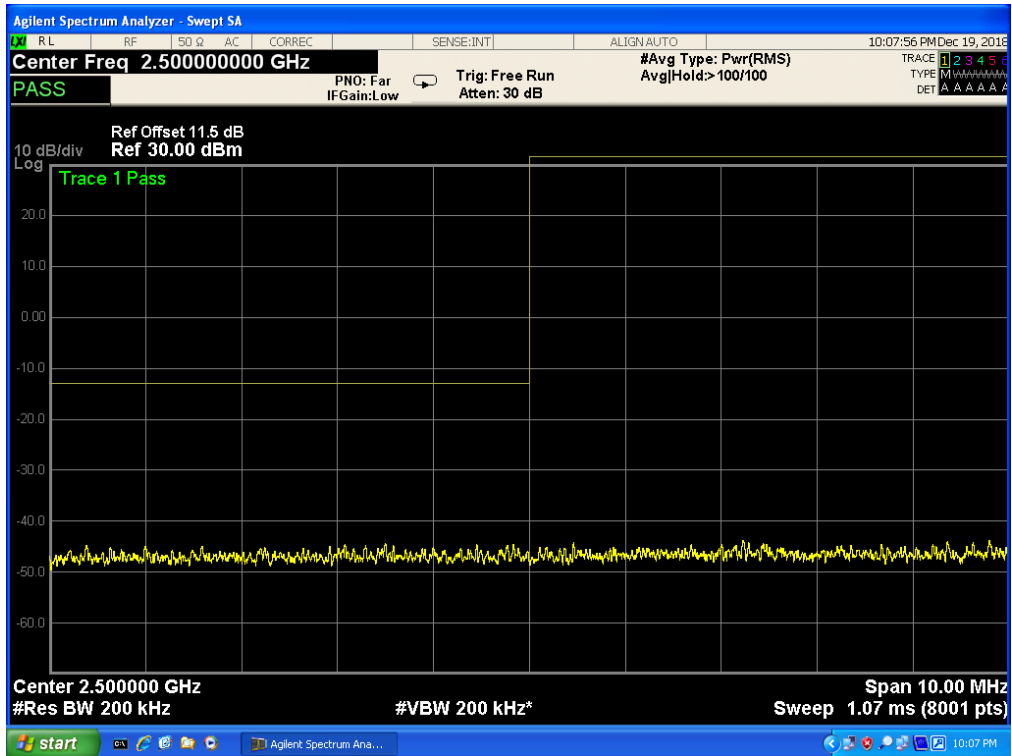
Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



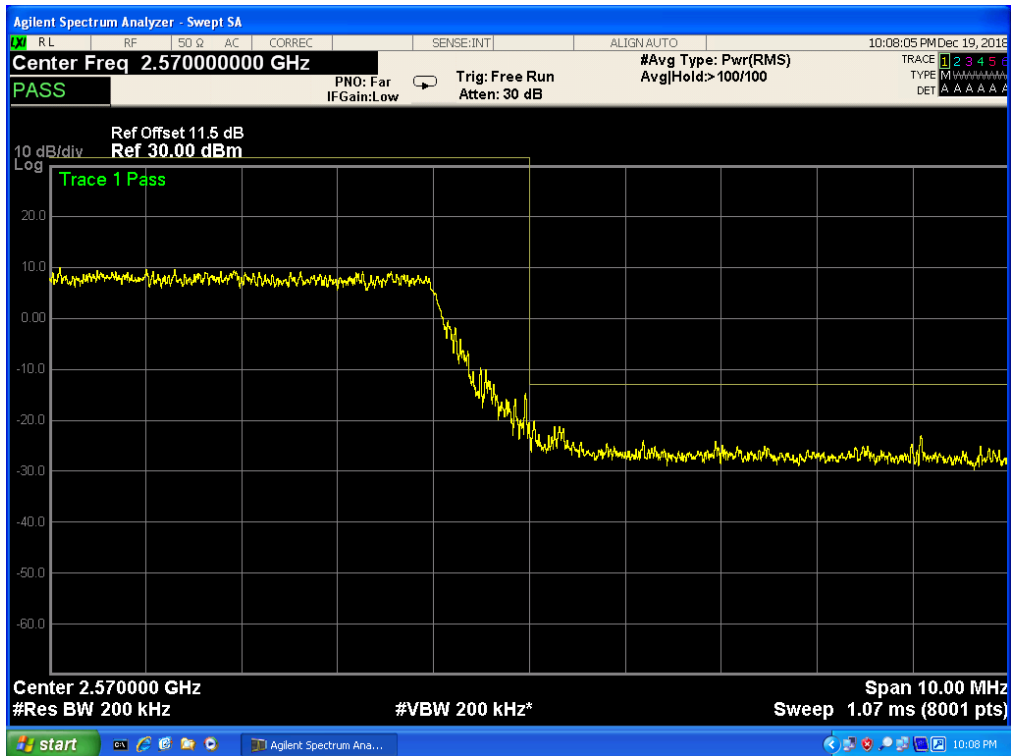
Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, QPSK



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

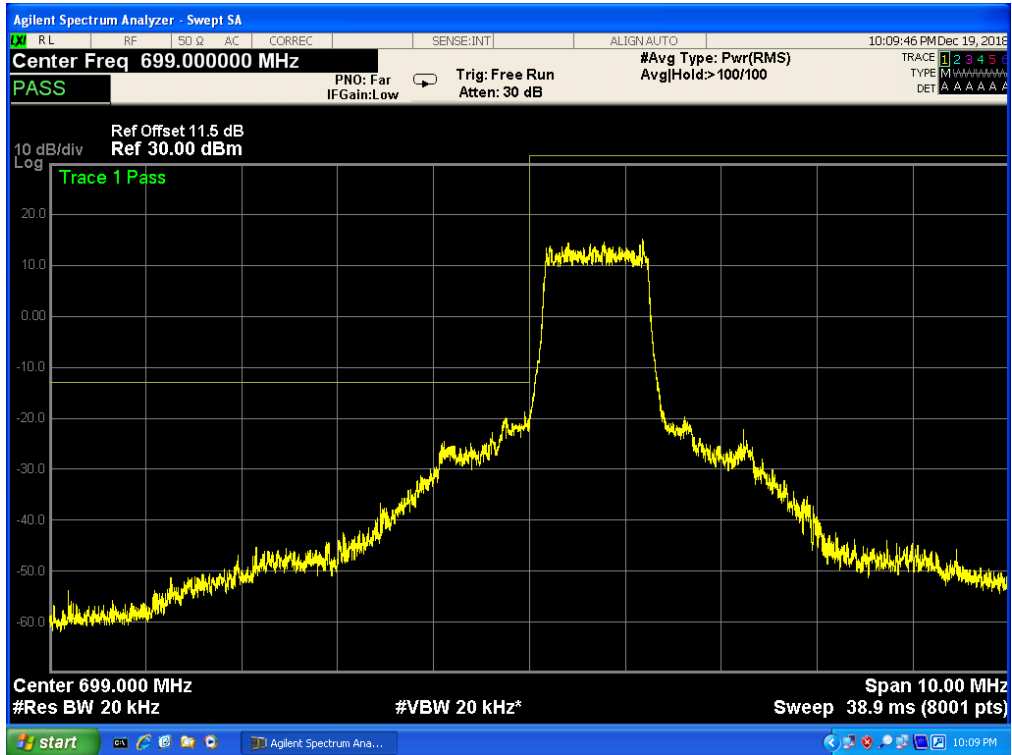


Band 7, UL Channel 21350, UL Frequency 2560.0, BW 20.0, NO. RB 100, RB POS. Low, 16QAM

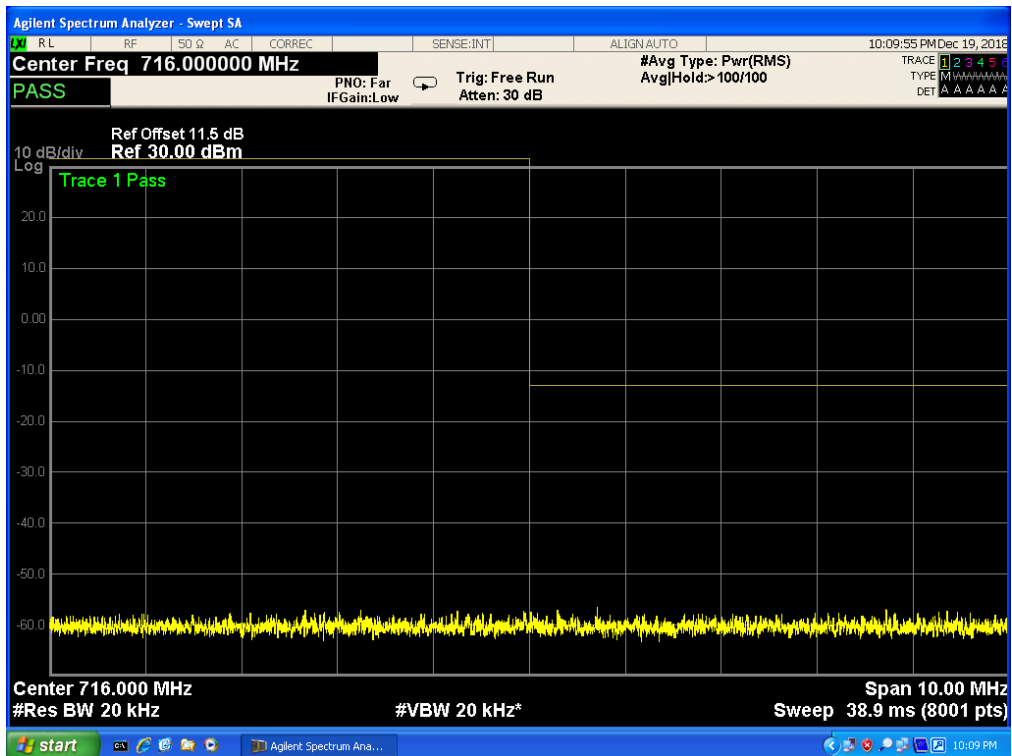


6.5 LTE BAND 12

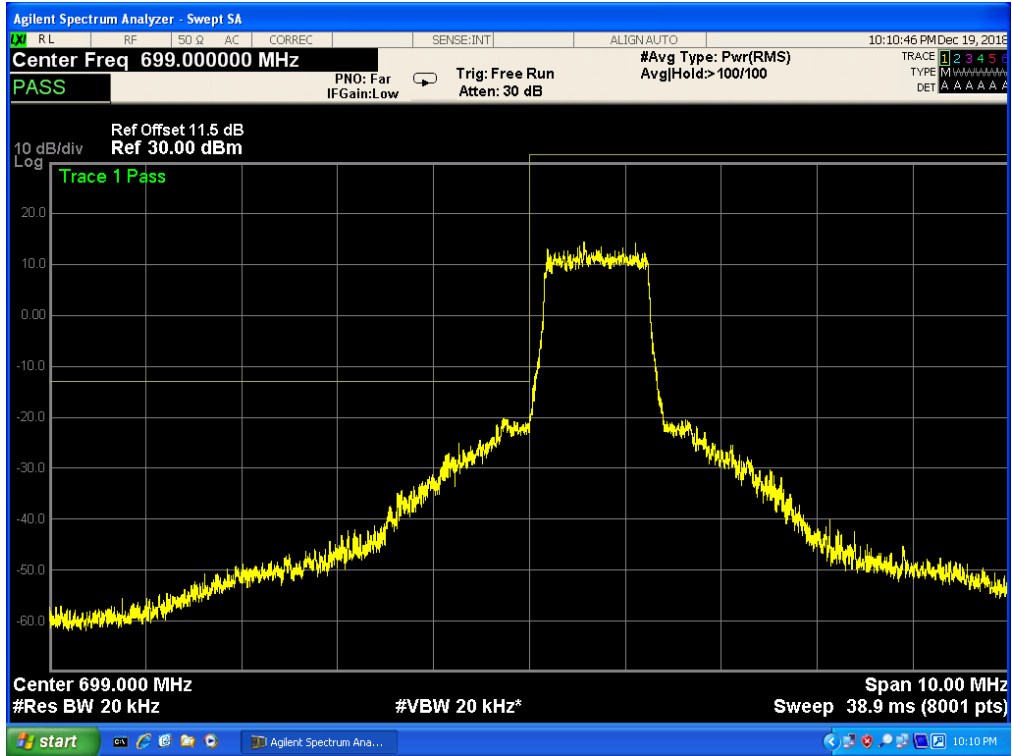
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



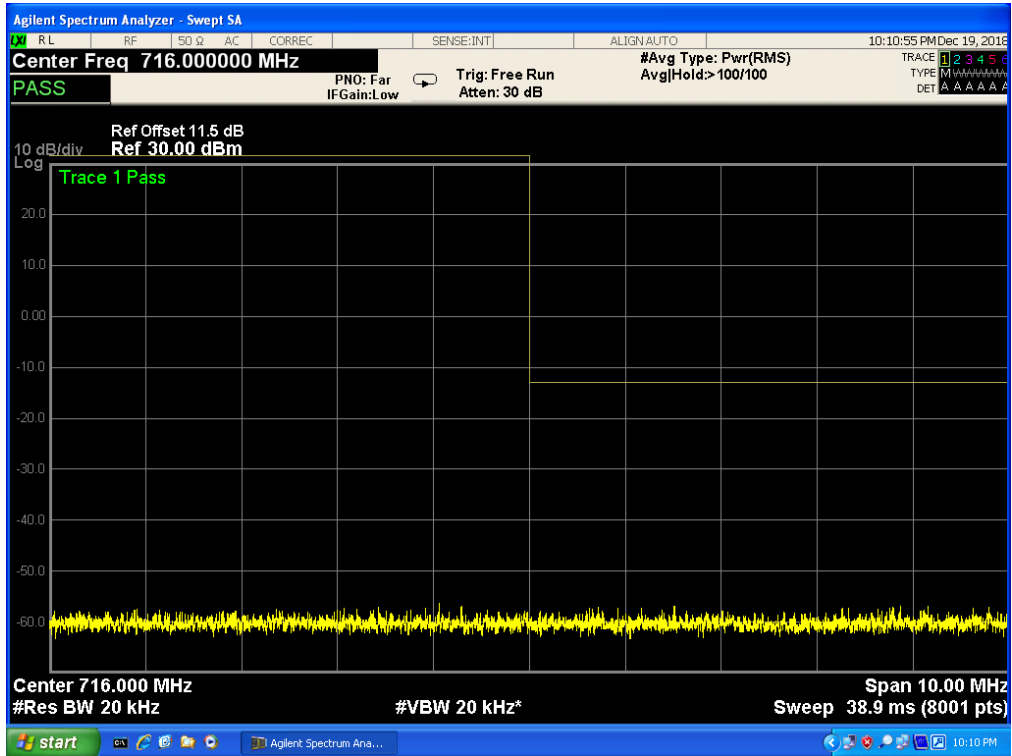
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



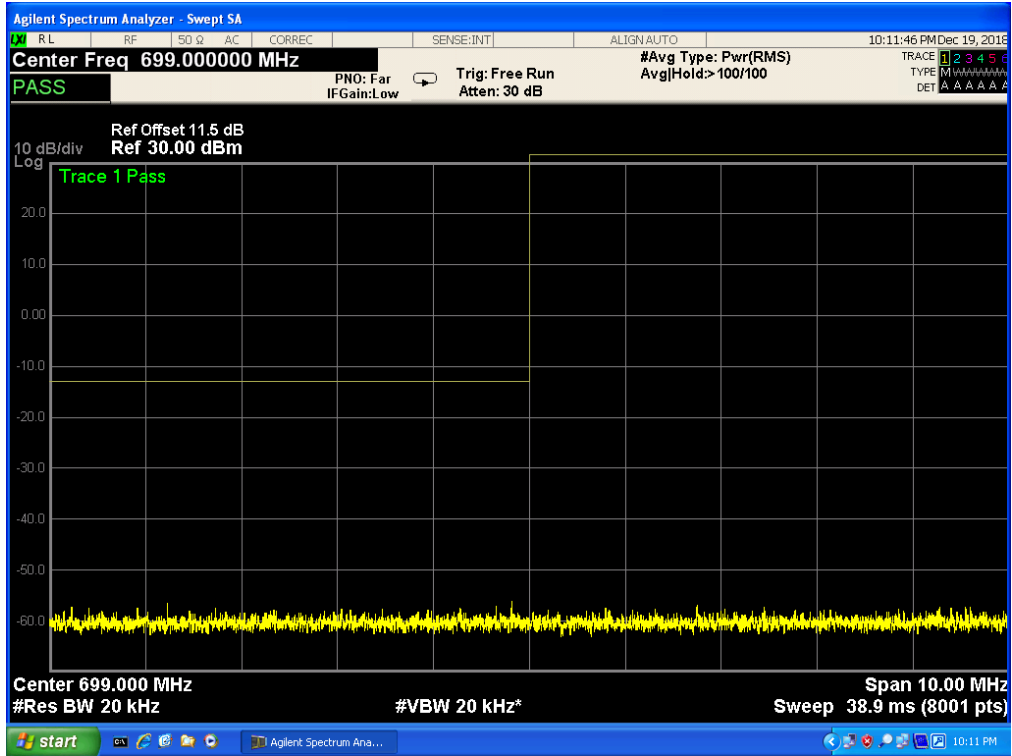
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



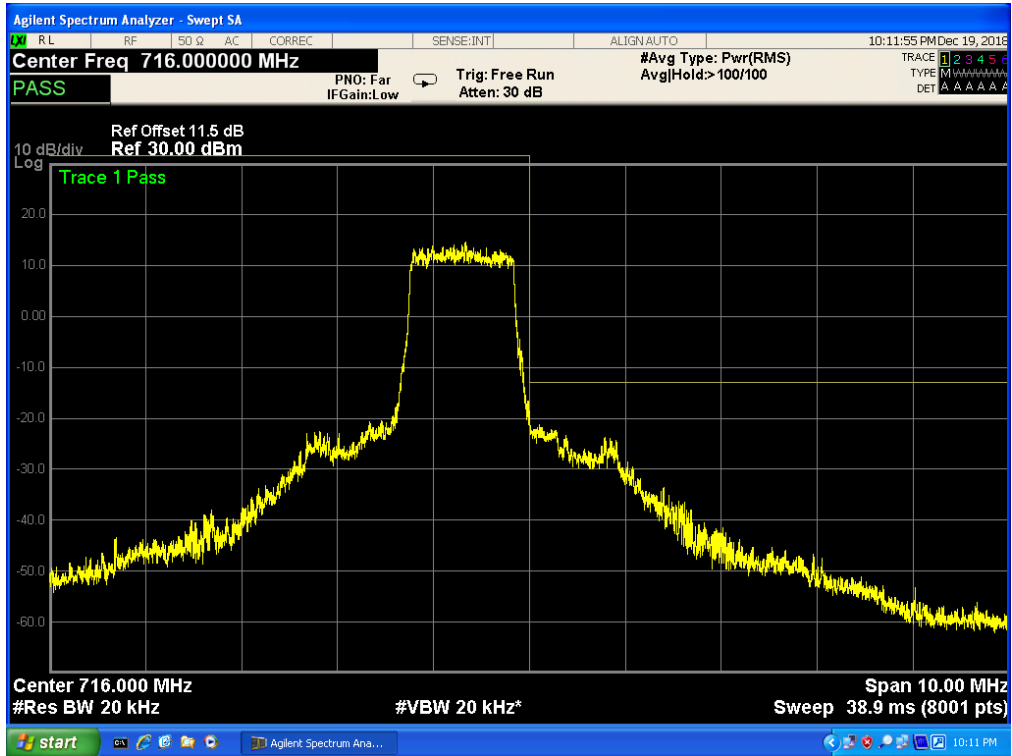
Band 12, UL Channel 23017, UL Frequency 699.7, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



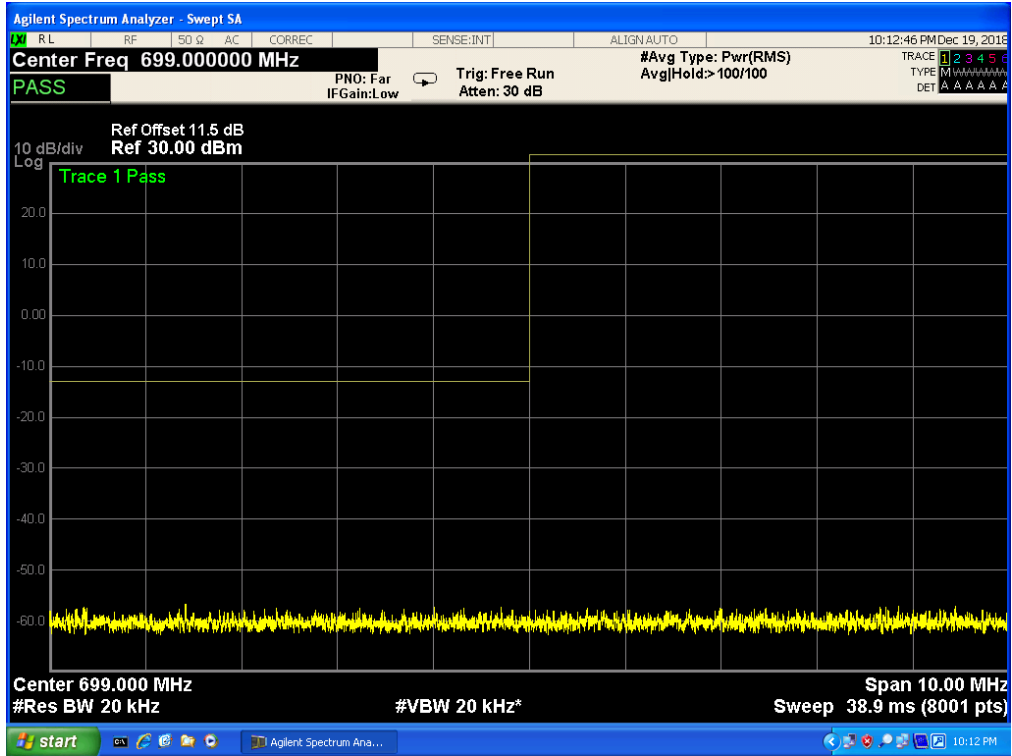
Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



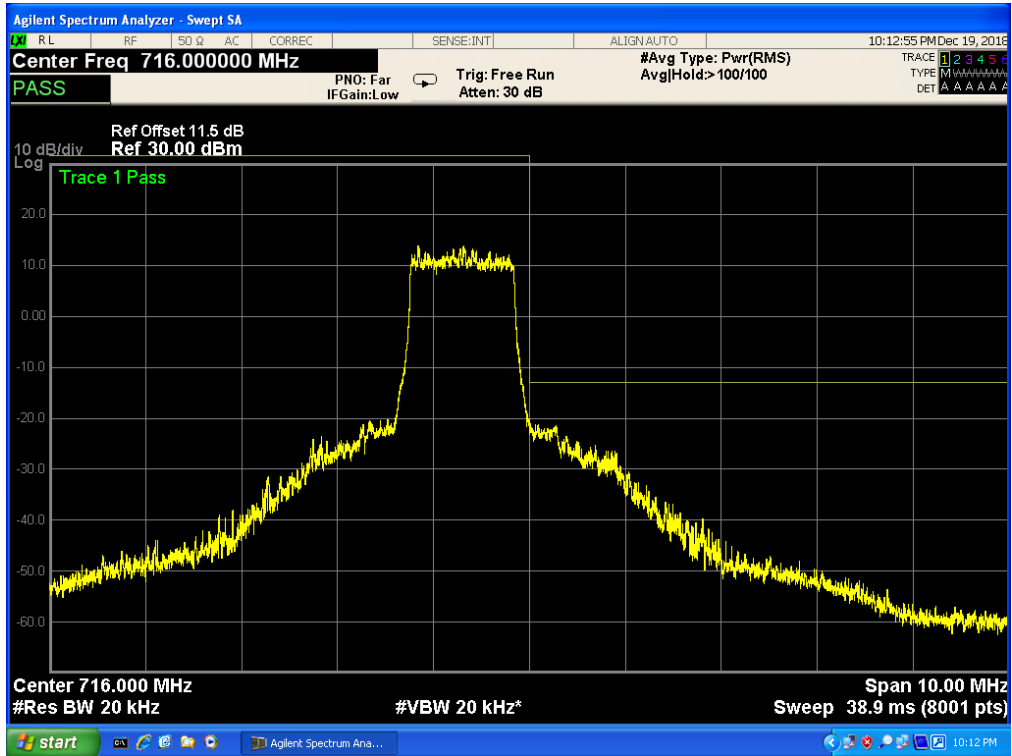
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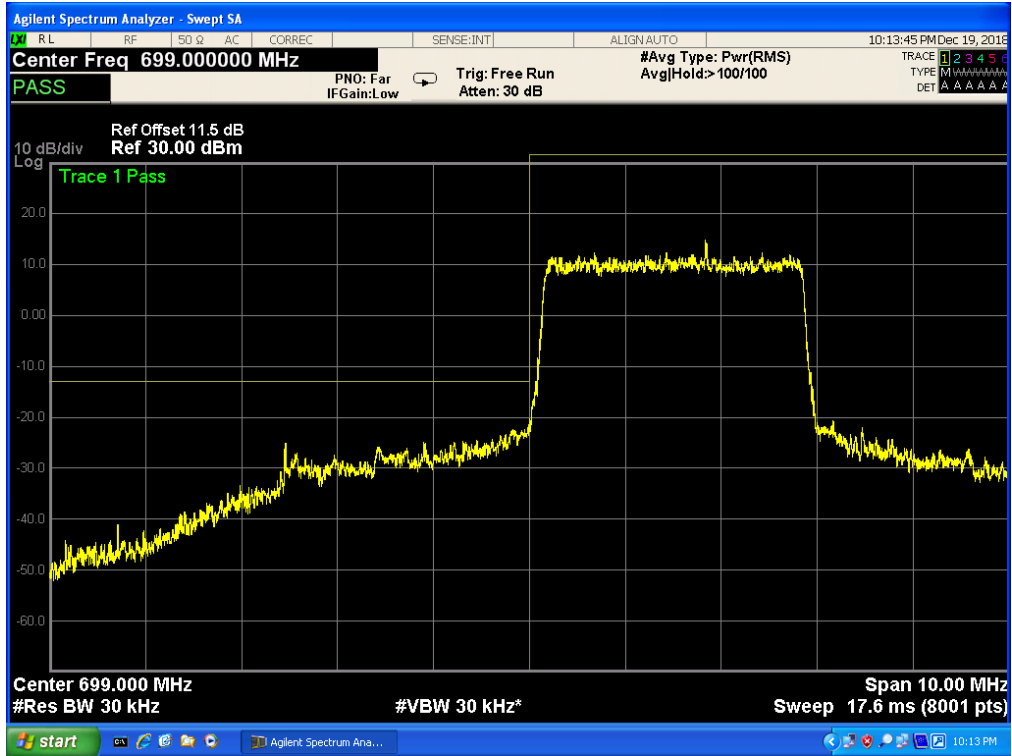
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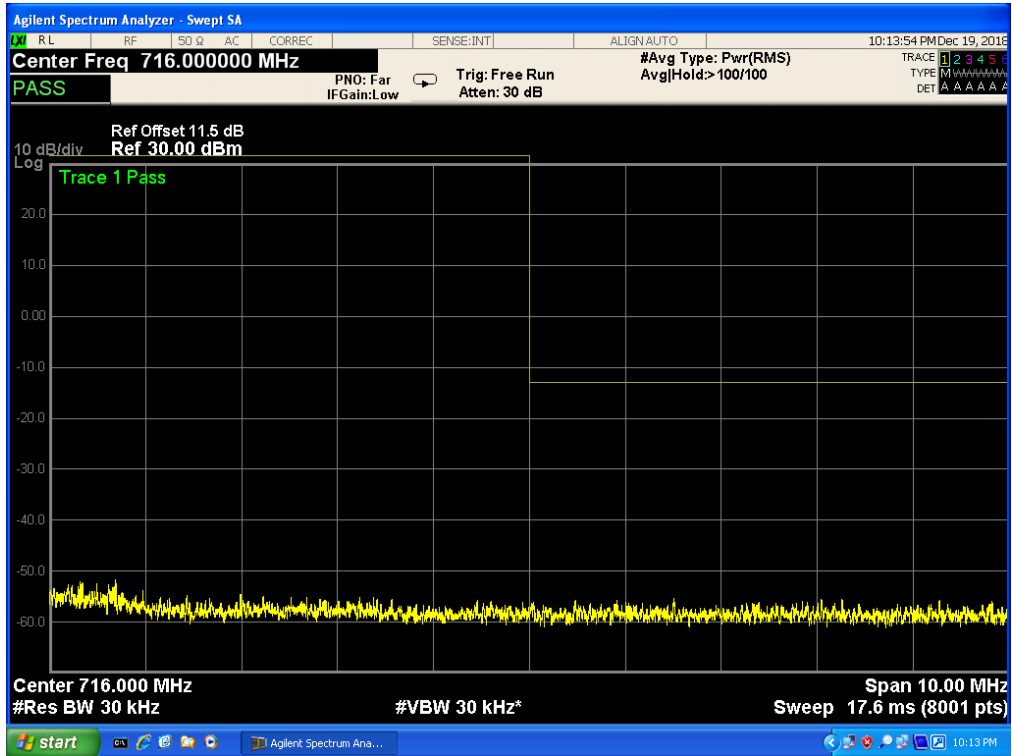
Band 12, UL Channel 23173, UL Frequency 715.3, BW 1.4, NO. RB 6, RB POS. Low, 16-QAM



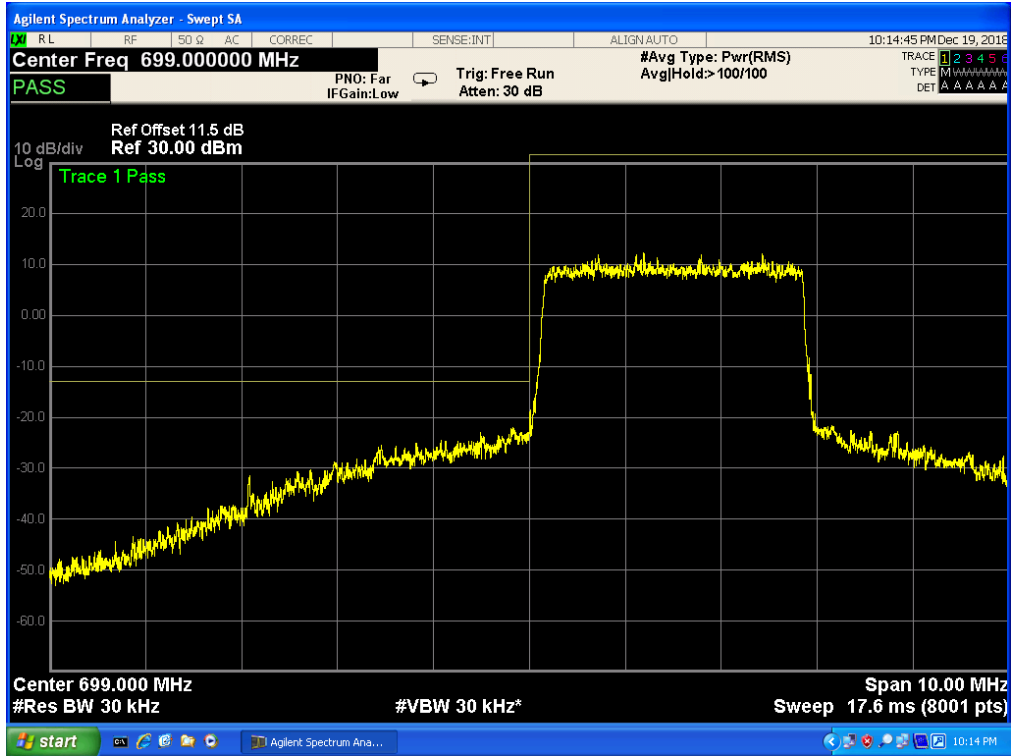
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



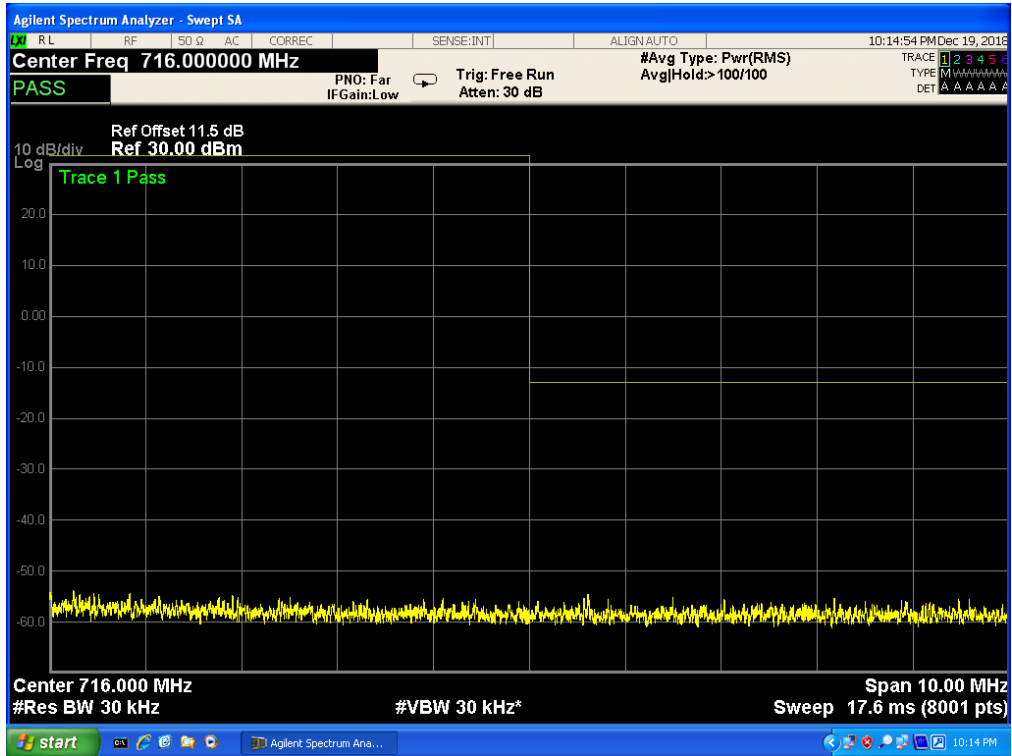
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



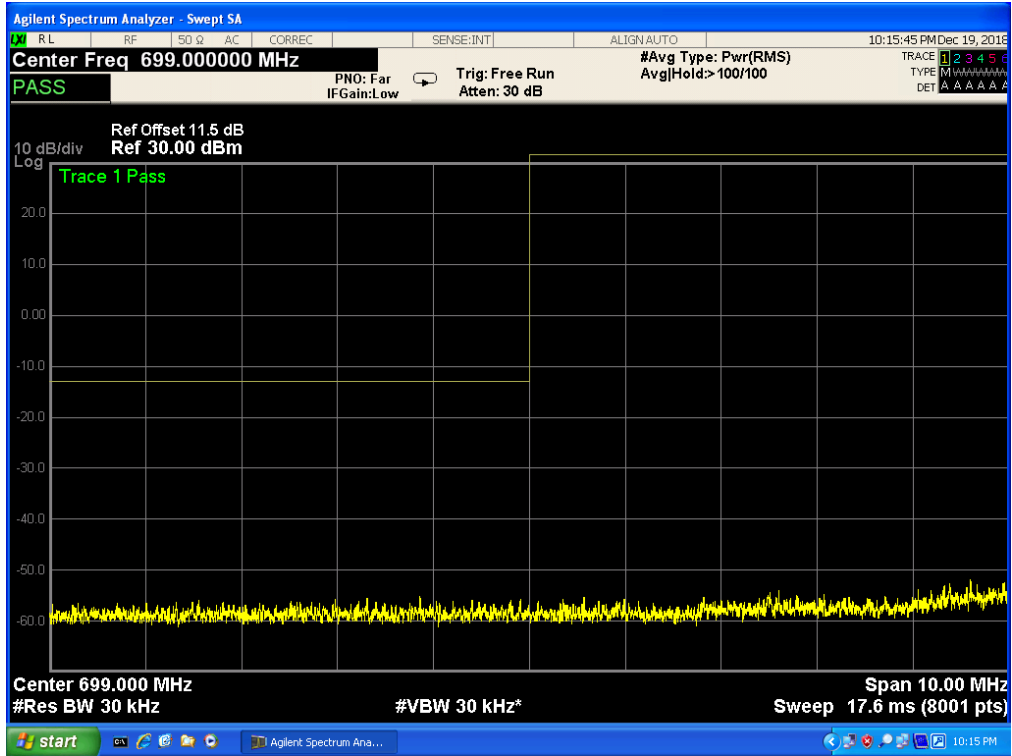
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



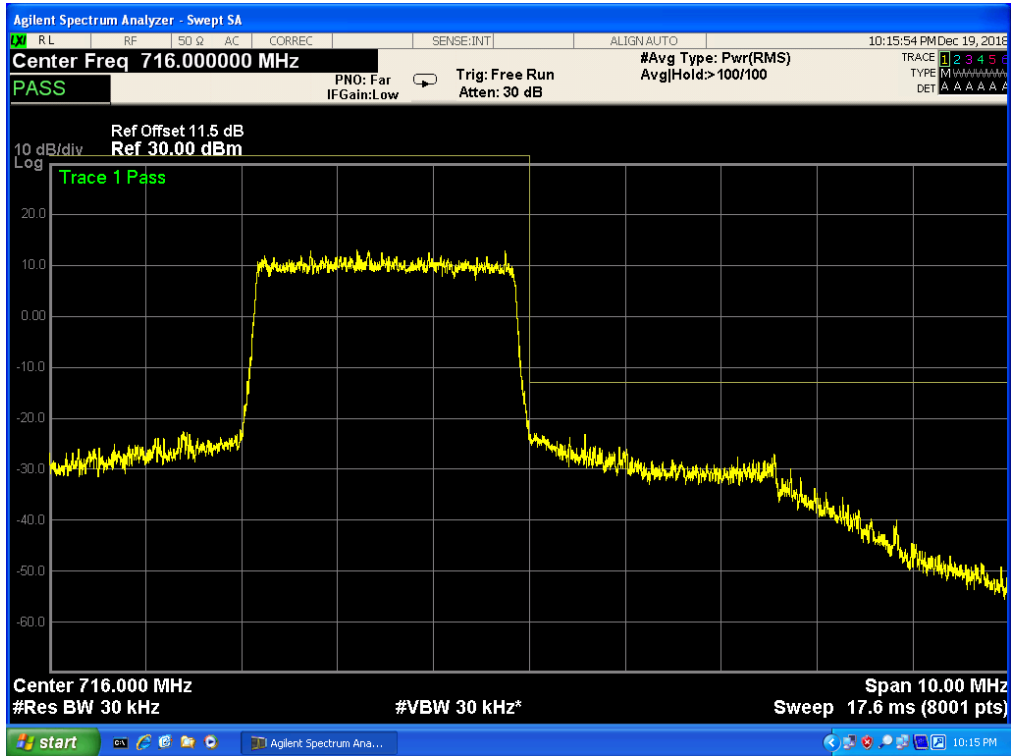
Band 12, UL Channel 23025, UL Frequency 700.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



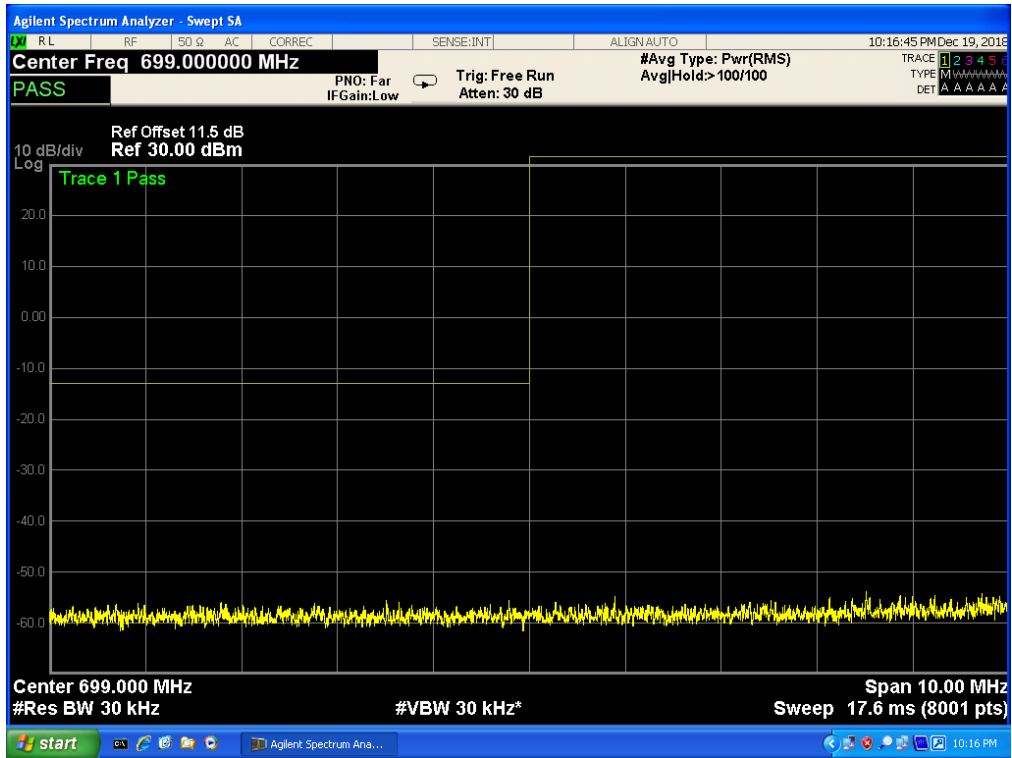
Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



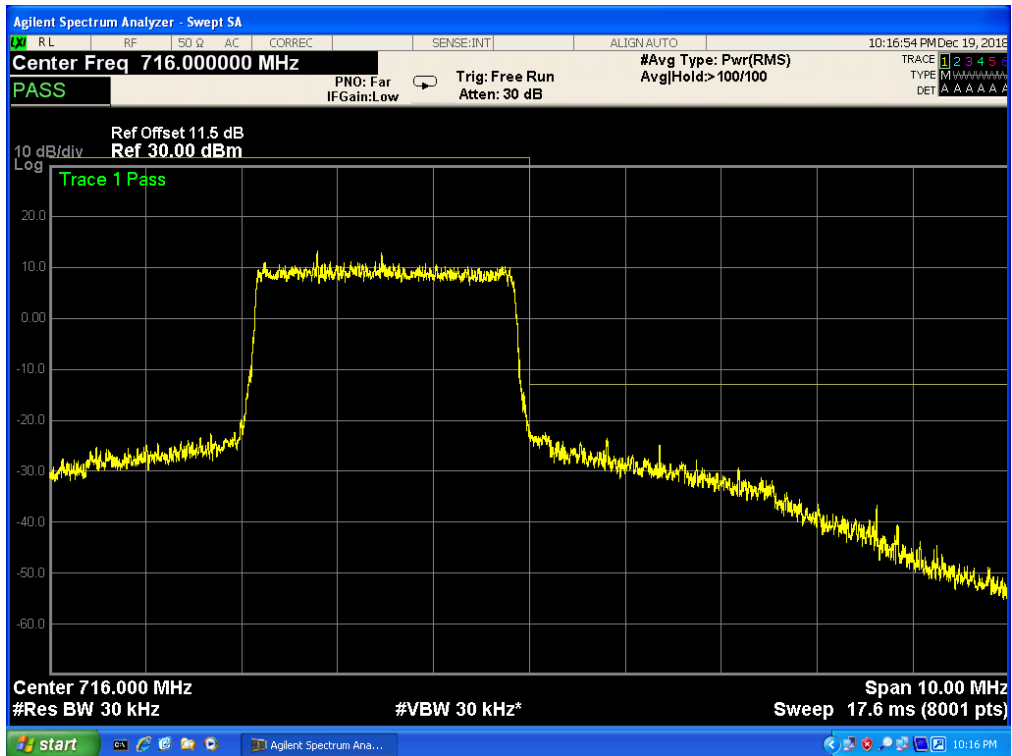
Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, QPSK



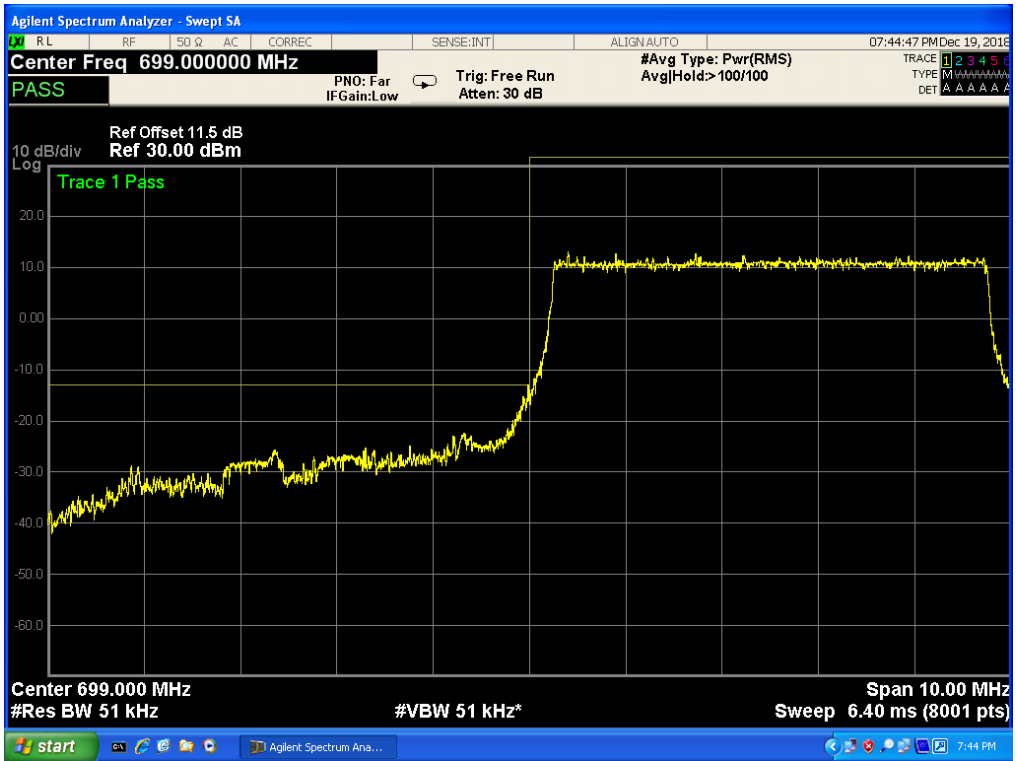
Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



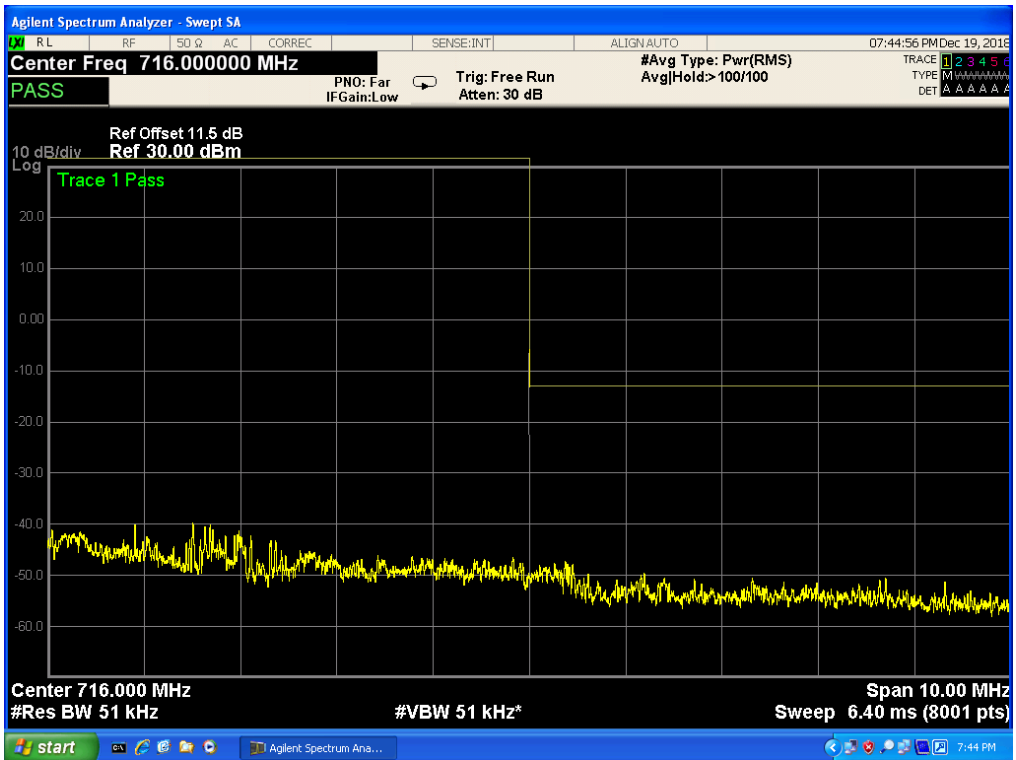
Band 12, UL Channel 23165, UL Frequency 714.5, BW 3.0, NO. RB 15, RB POS. Low, 16-QAM



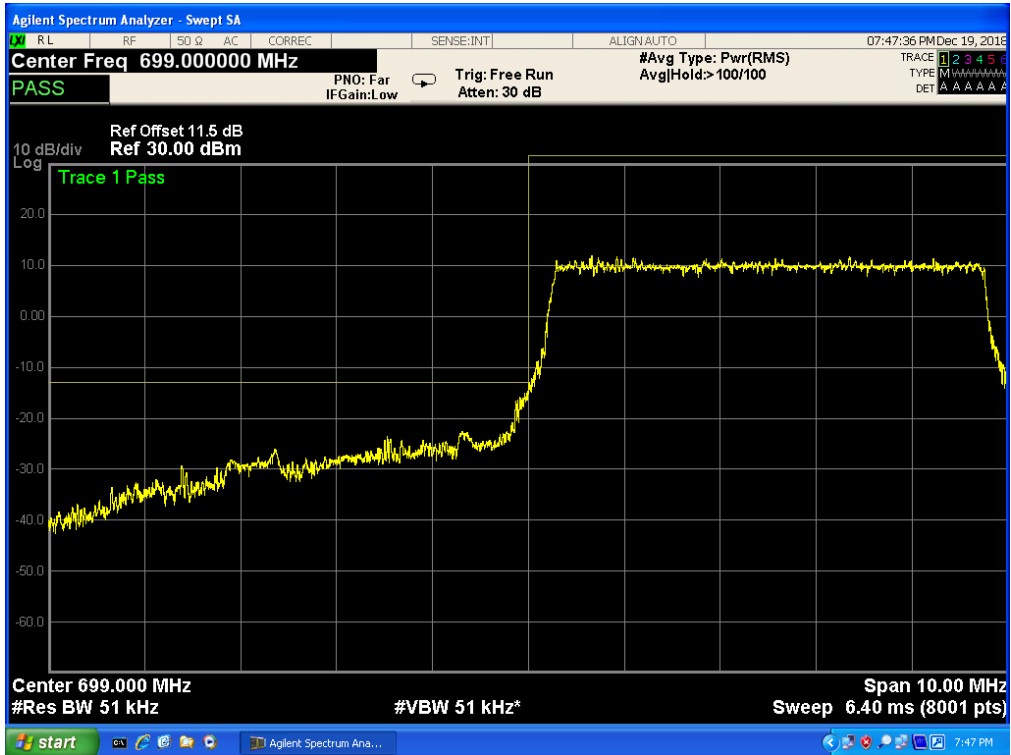
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



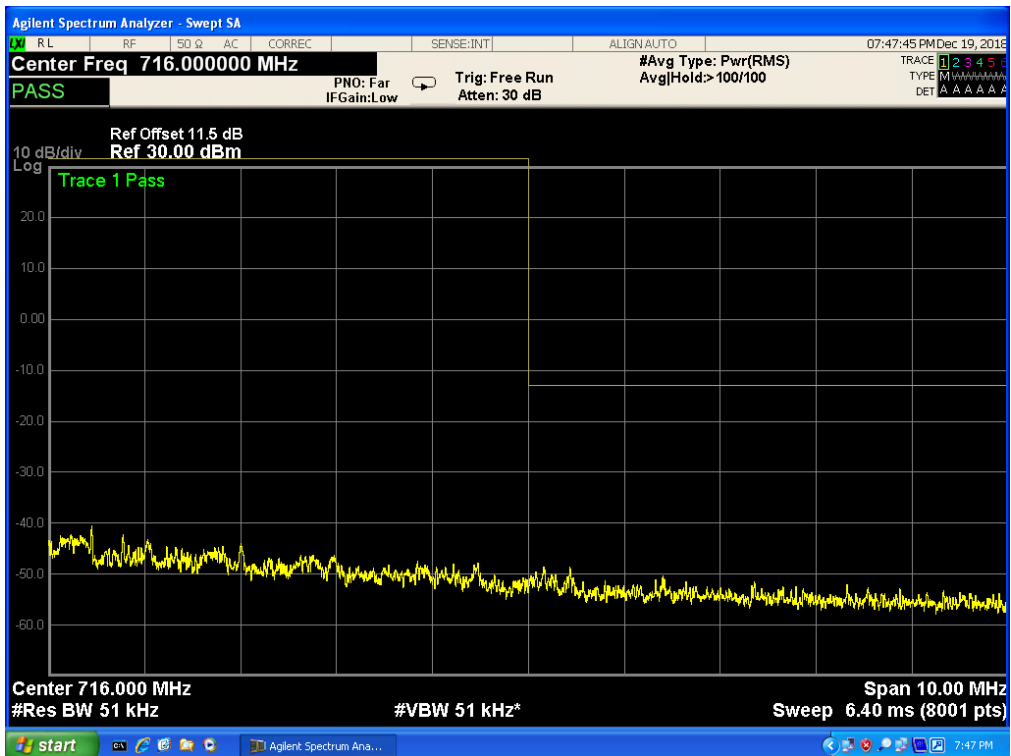
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



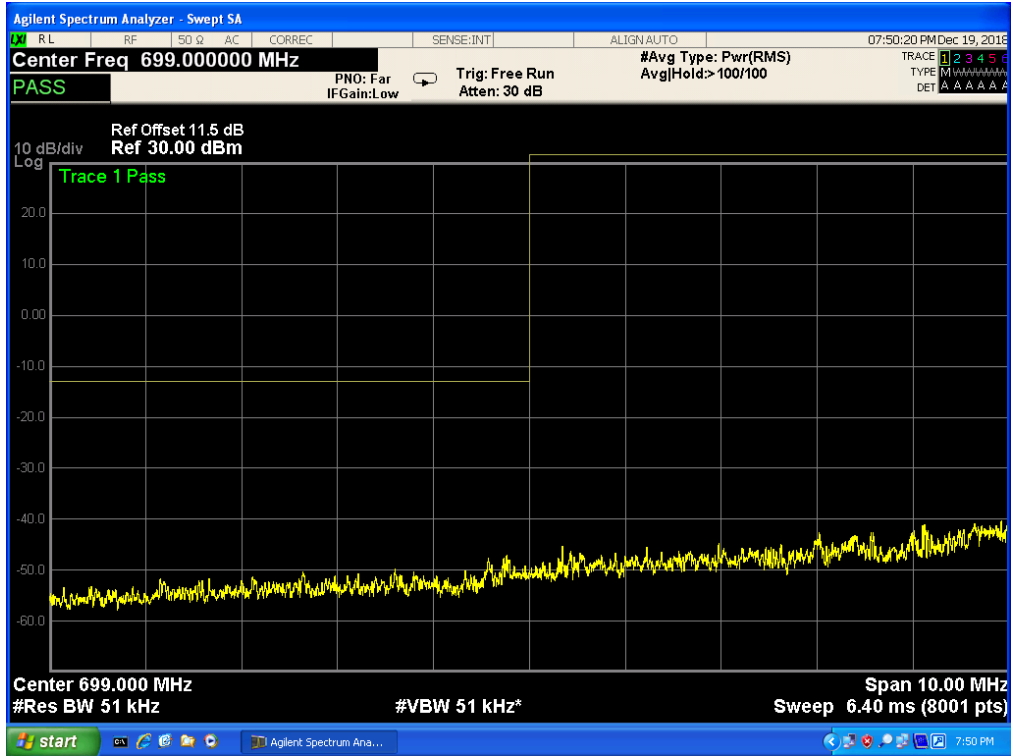
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



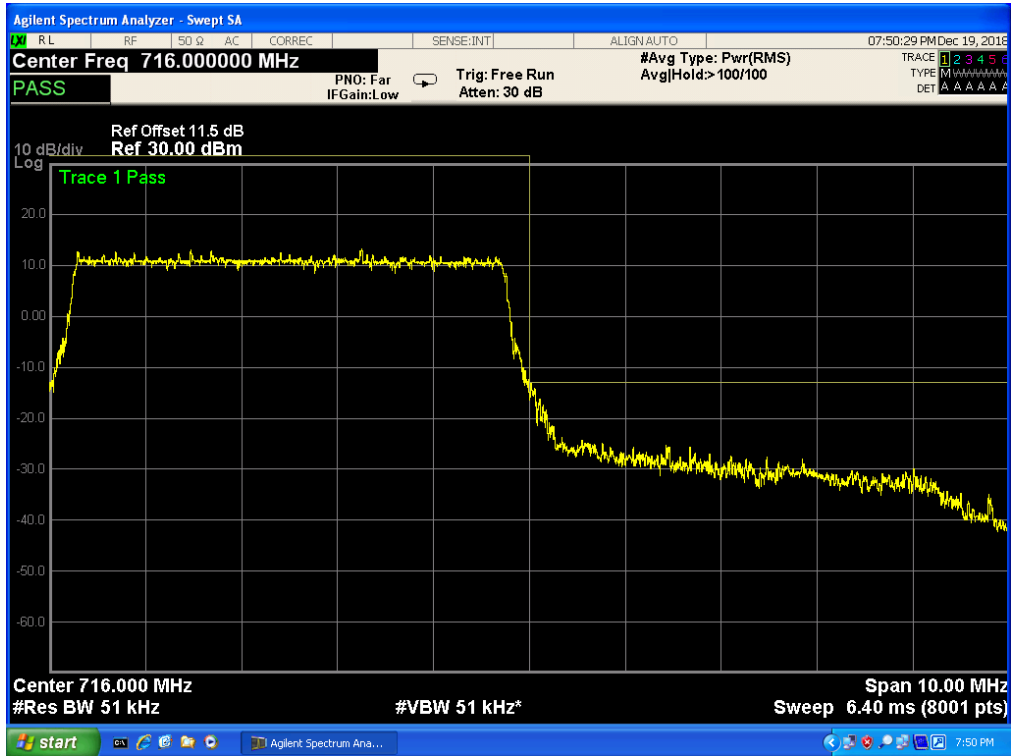
Band 12, UL Channel 23035, UL Frequency 701.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



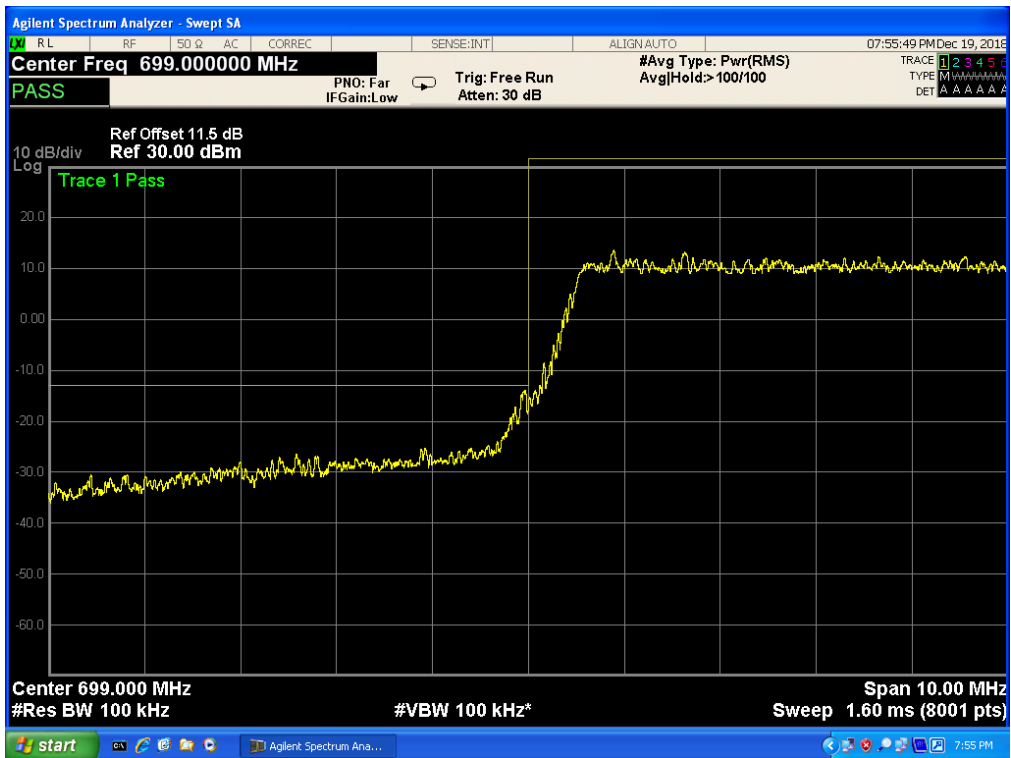
Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



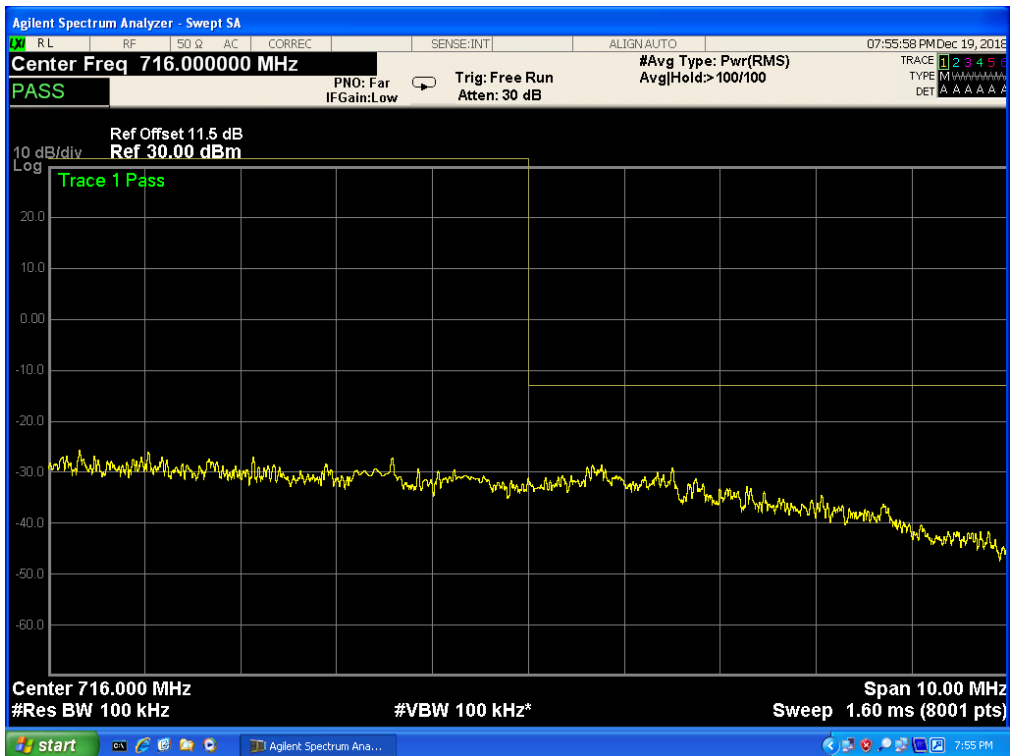
Band 12, UL Channel 23155, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



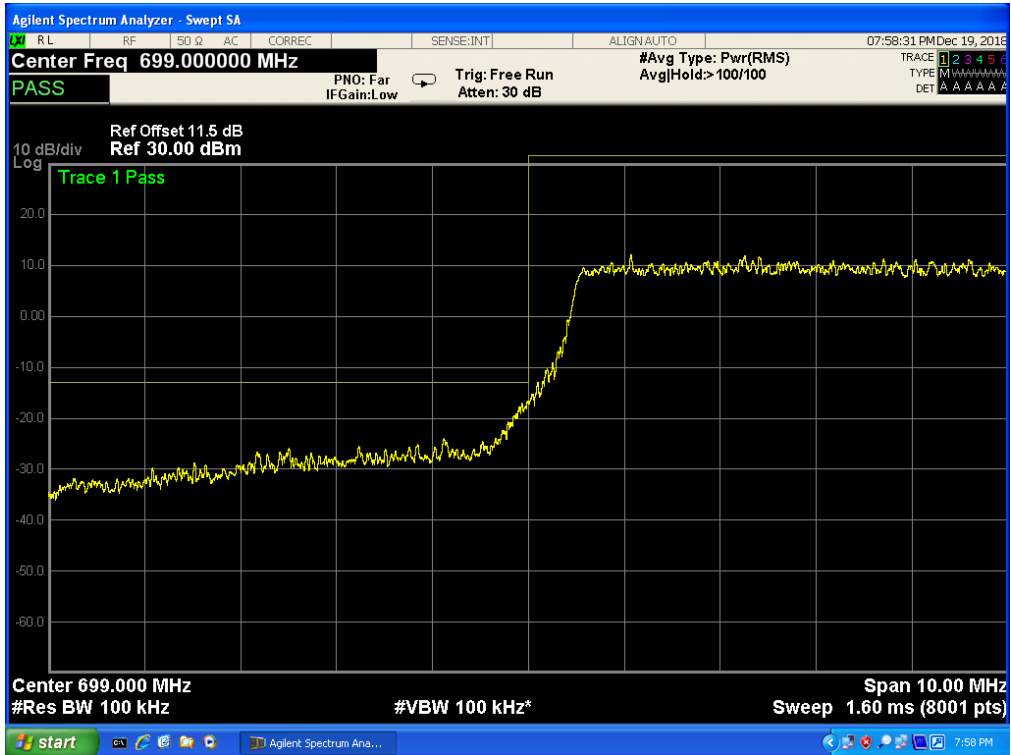
Band 12, UL Channel 23060, UL Frequency 704.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



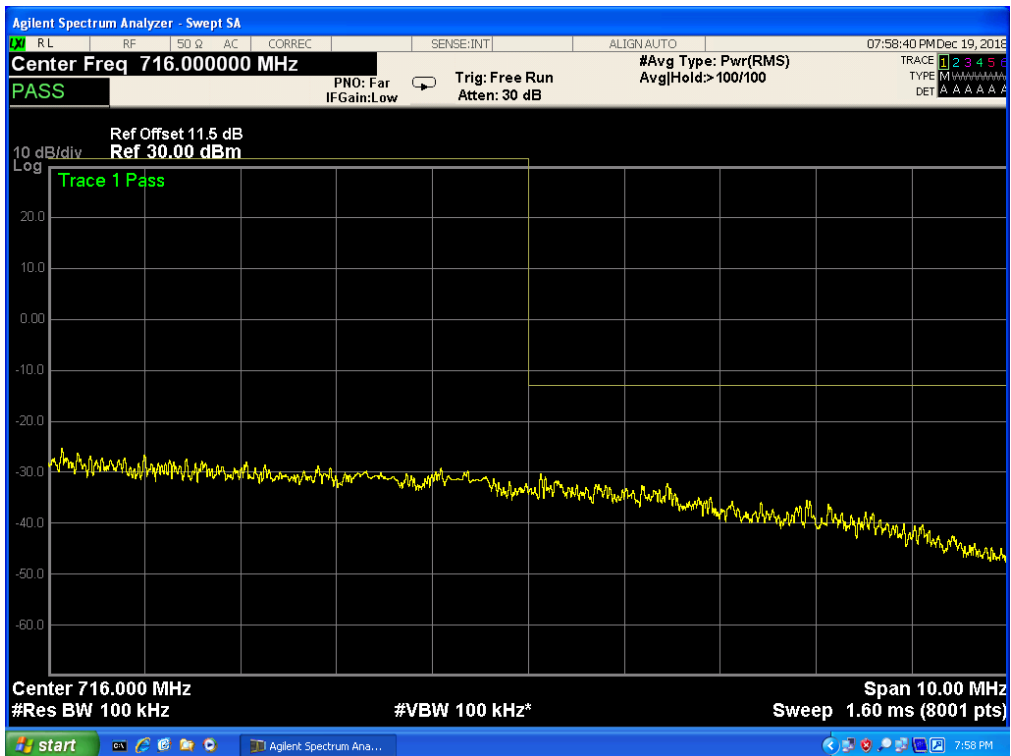
Band 12, UL Channel 23060, UL Frequency 704.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



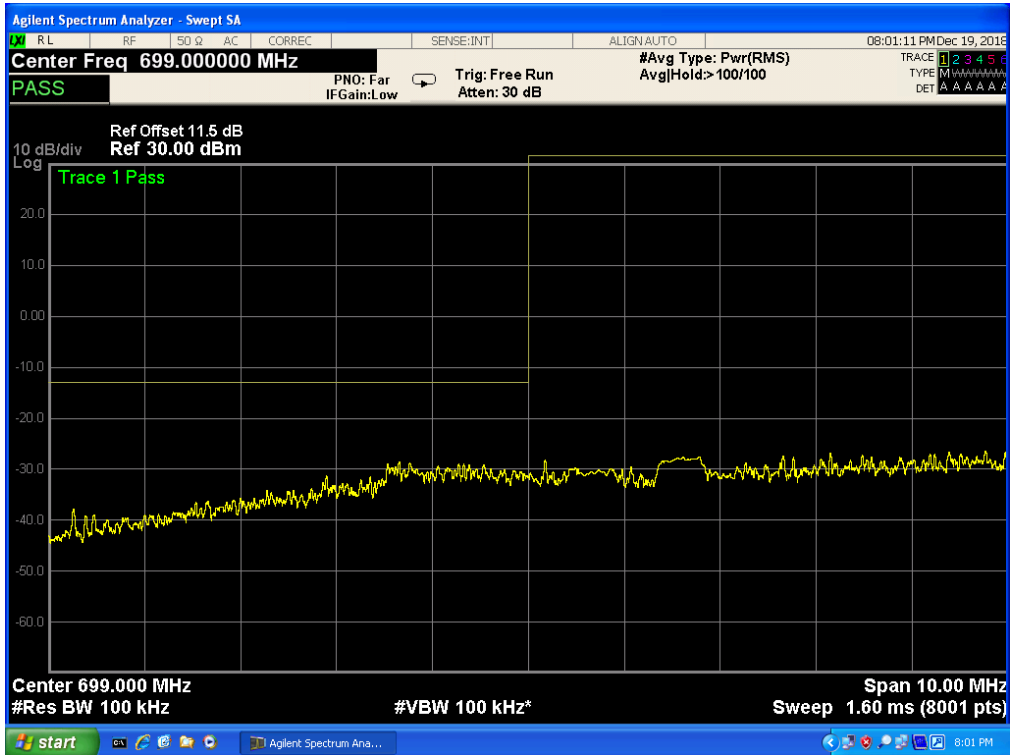
Band 12, UL Channel 23060, UL Frequency 704.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



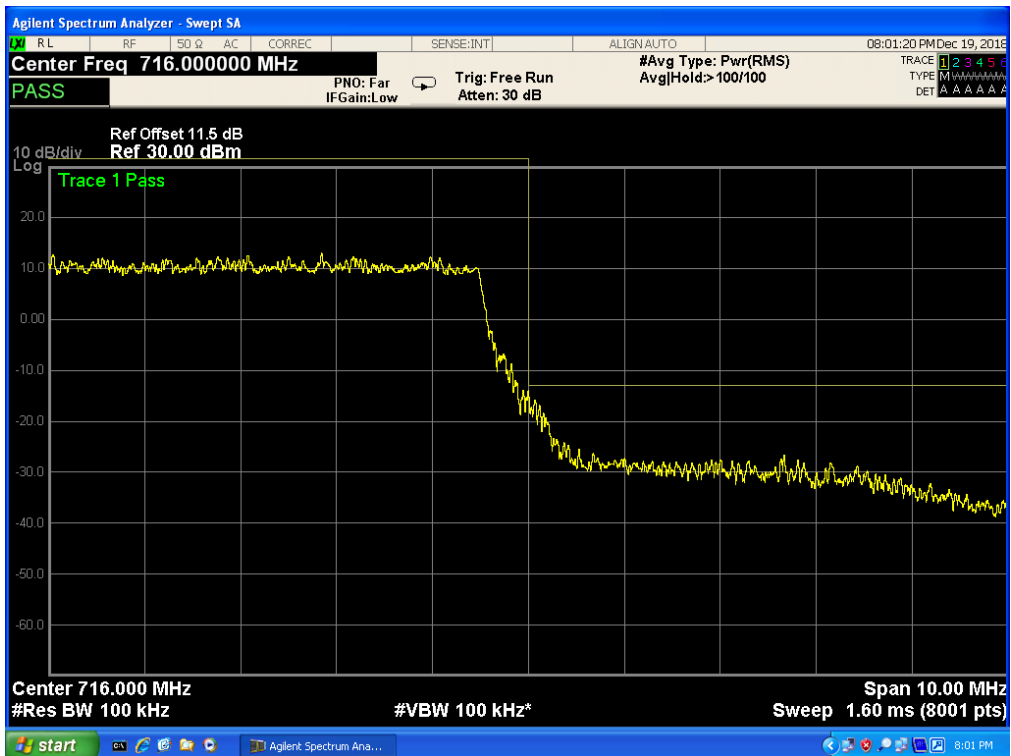
Band 12, UL Channel 23060, UL Frequency 704.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



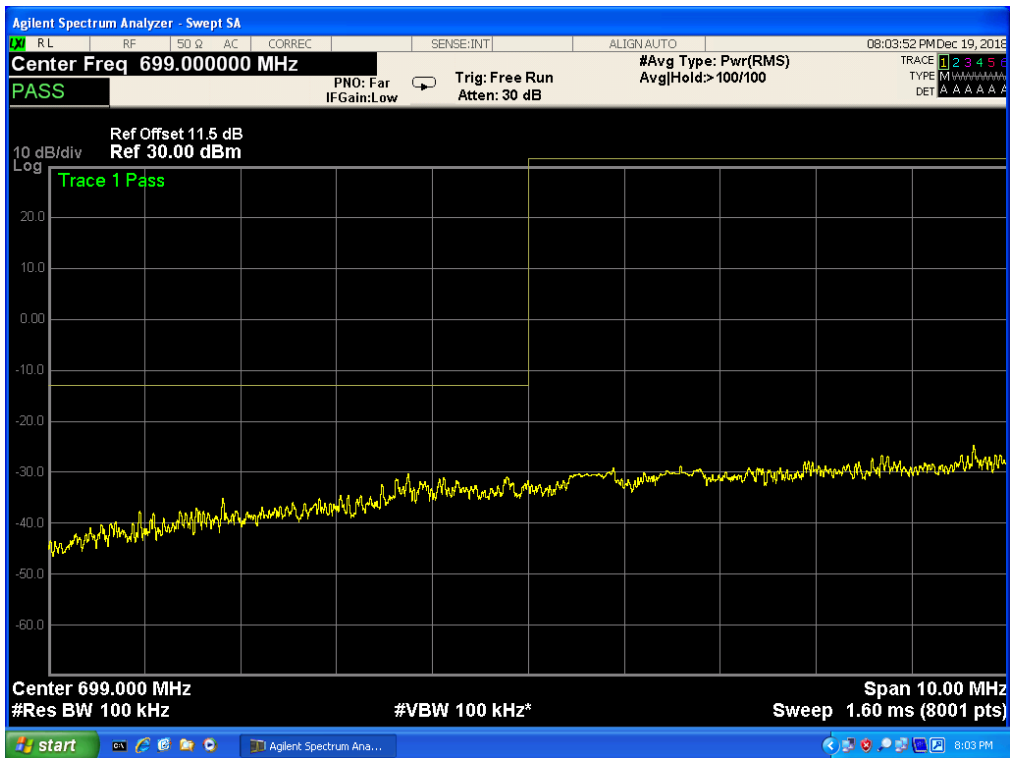
Band 12, UL Channel 23130, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



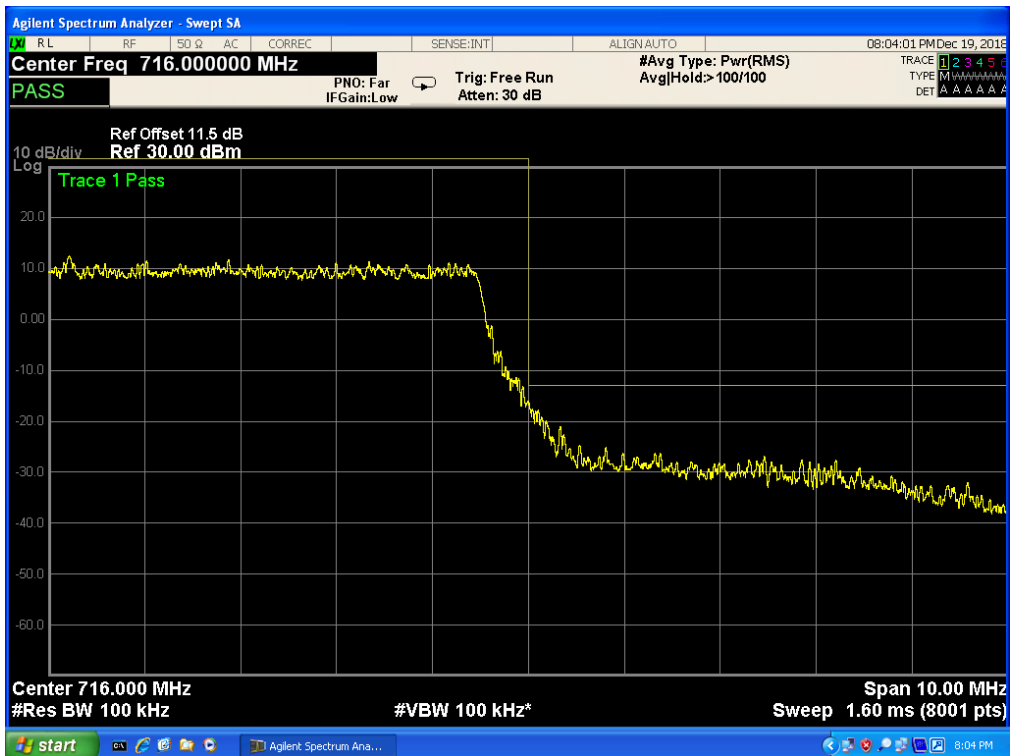
Band 12, UL Channel 23130, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



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

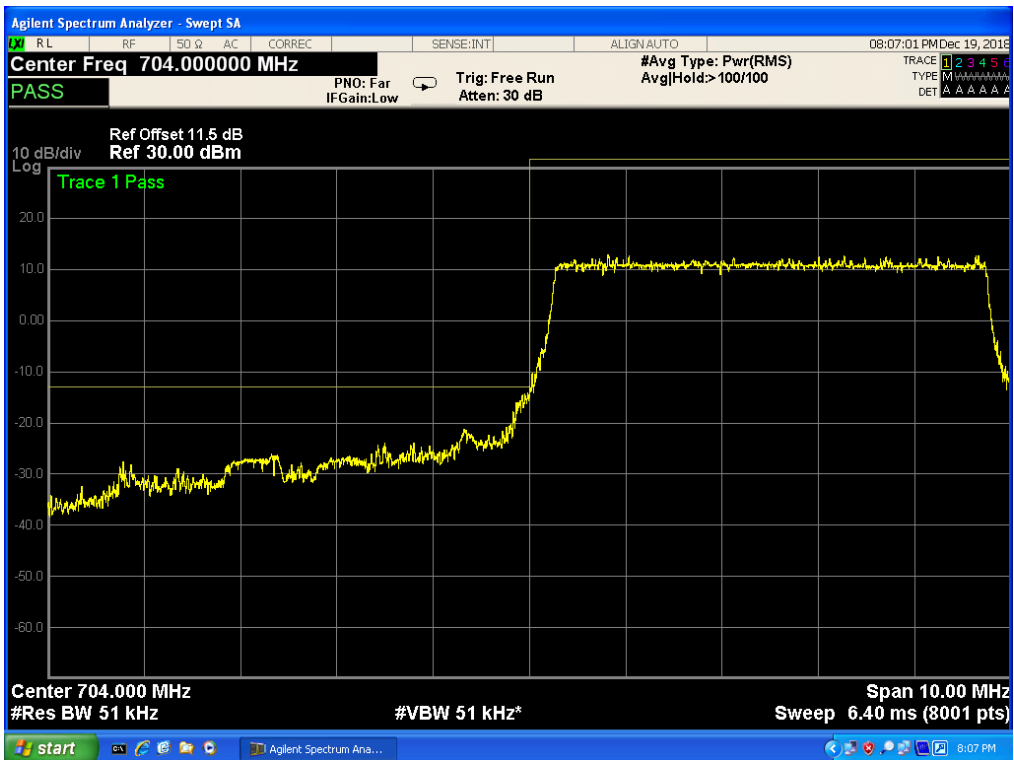


Band 12, UL Channel 23130, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM

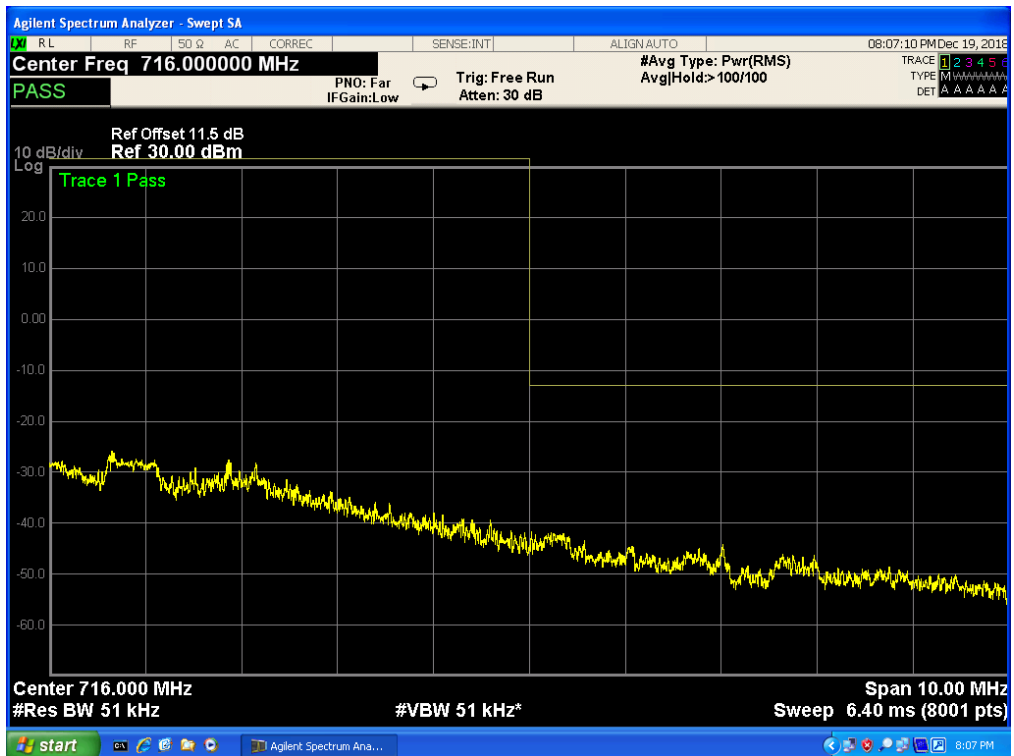


6.6 LTE BAND 17

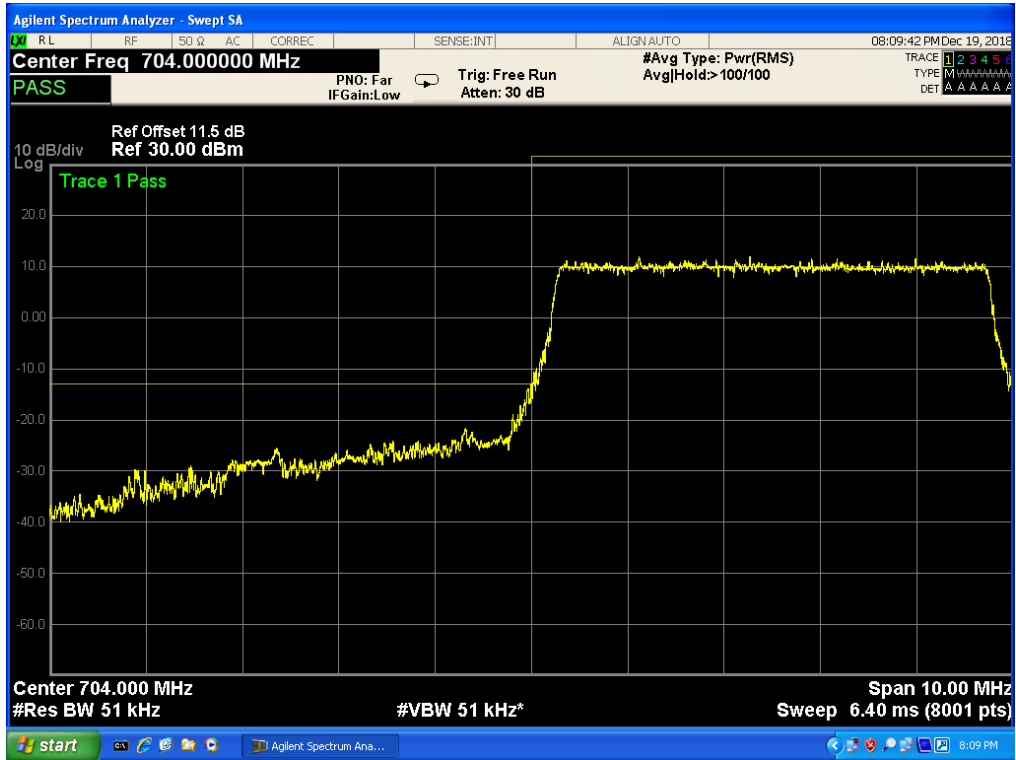
Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



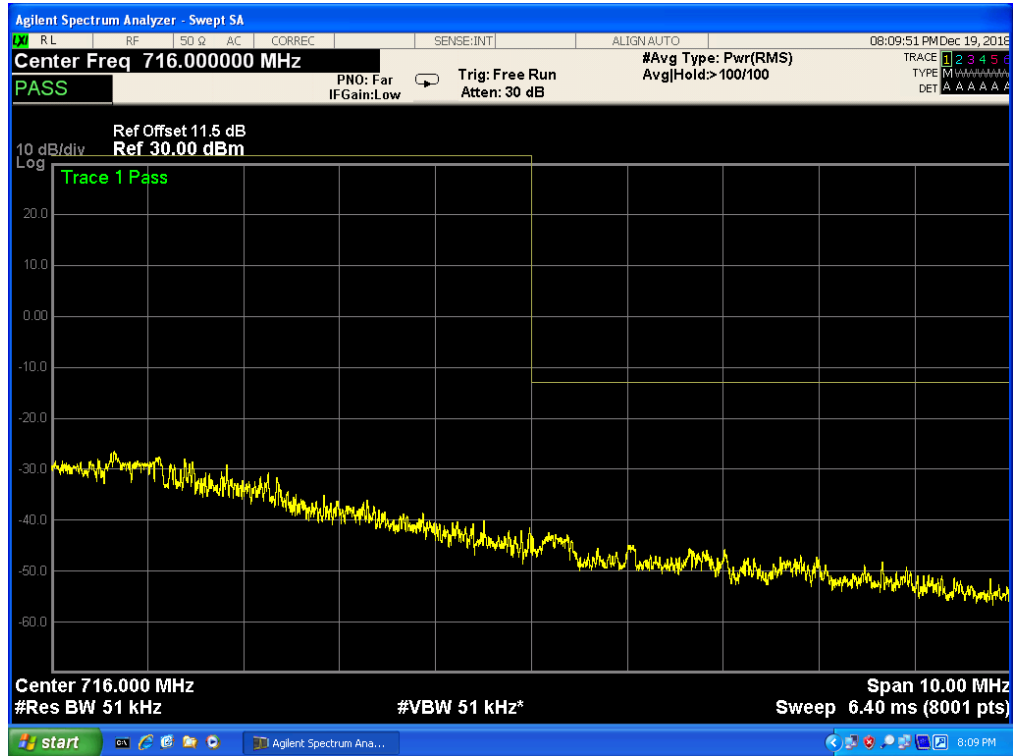
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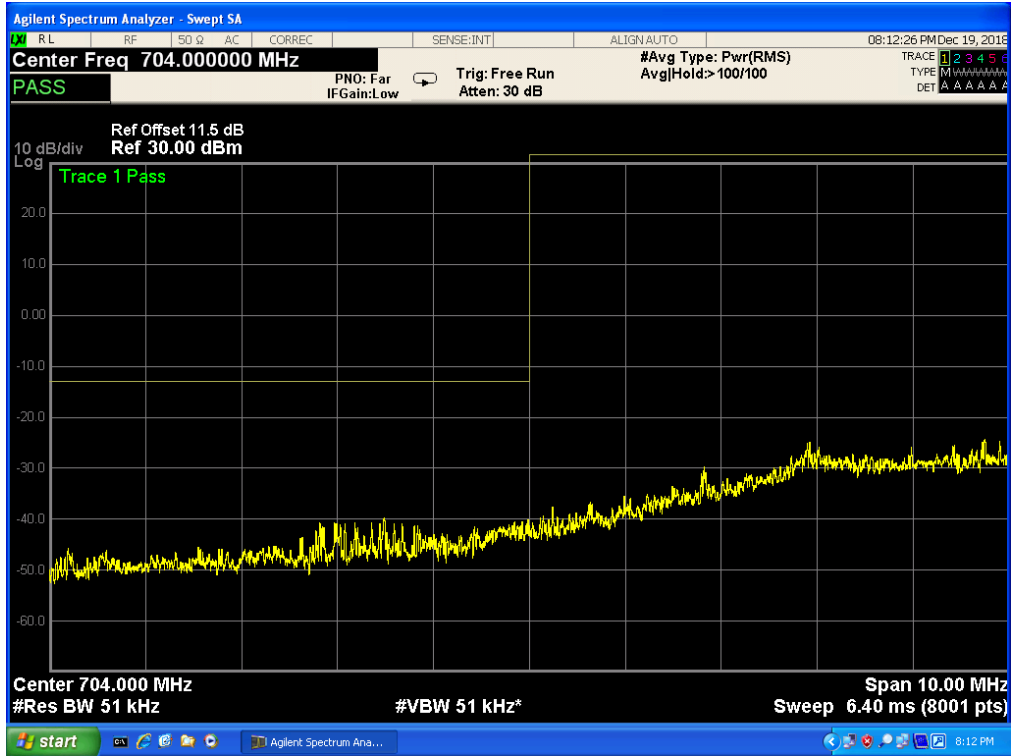
Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



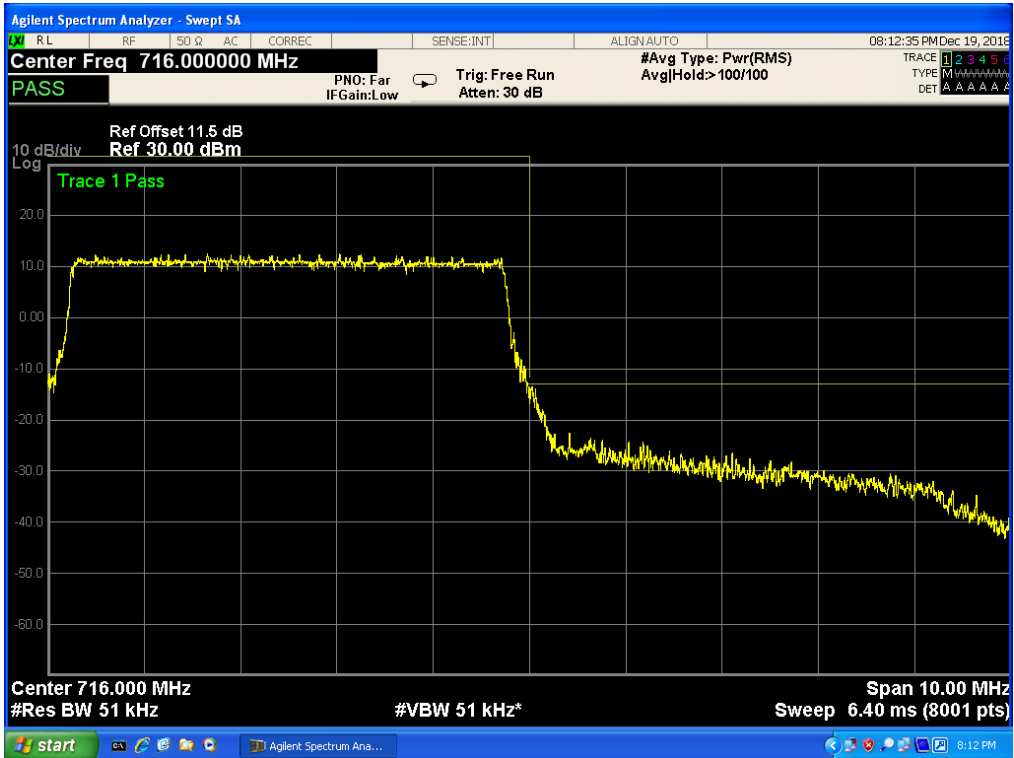
Band 17, UL Channel 23755, UL Frequency 706.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



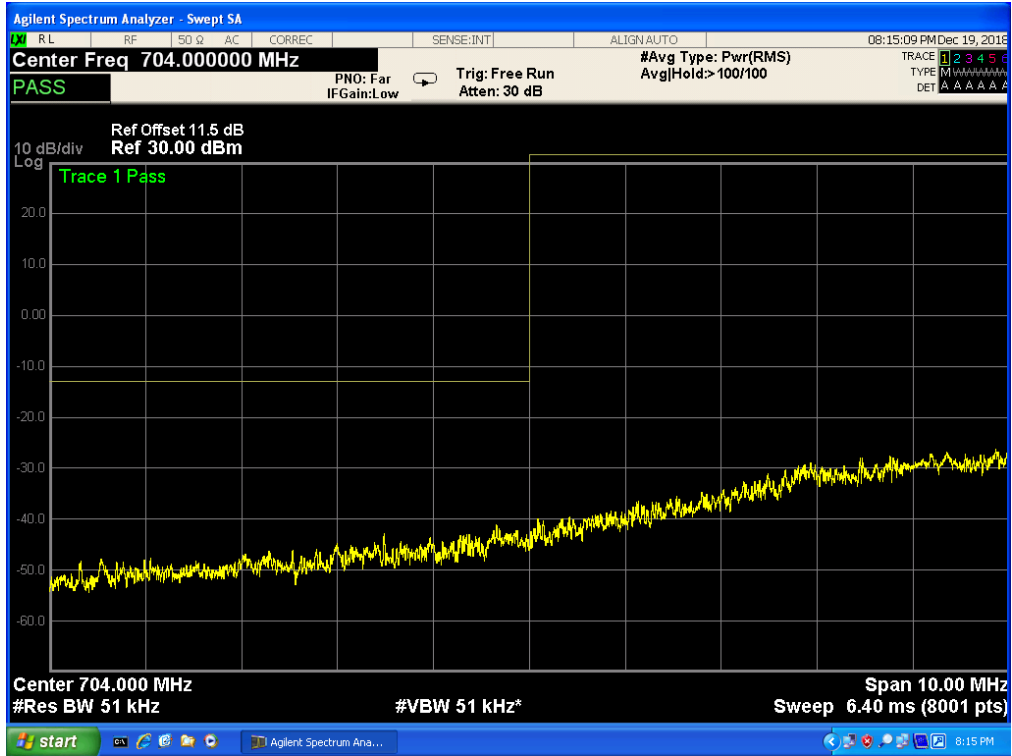
Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



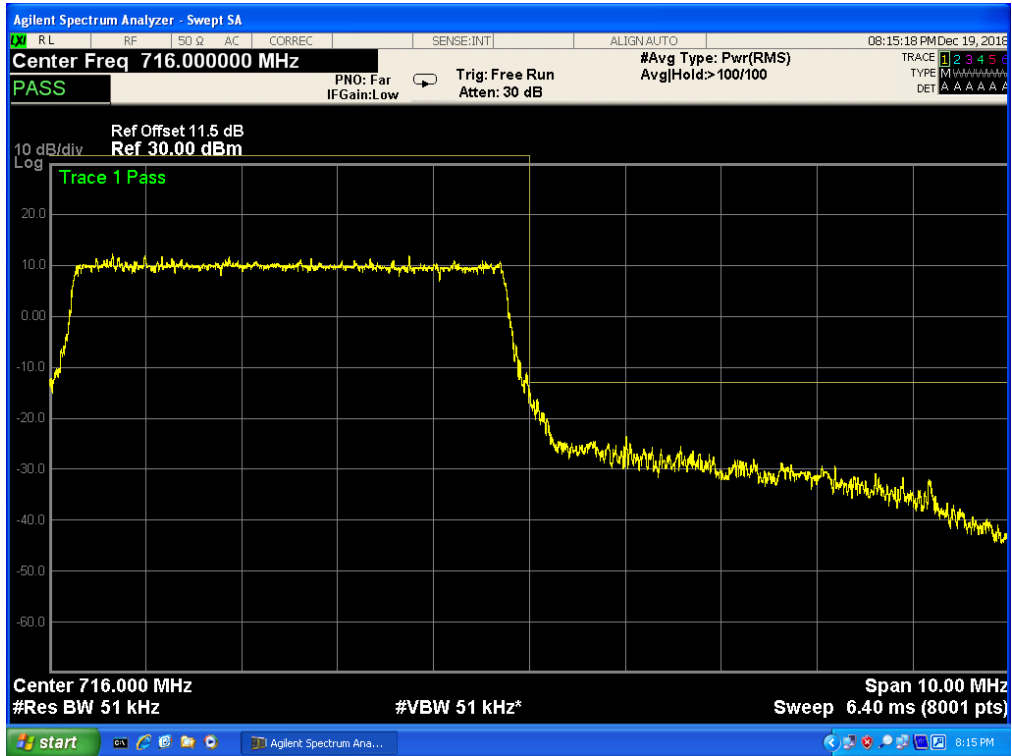
Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, QPSK



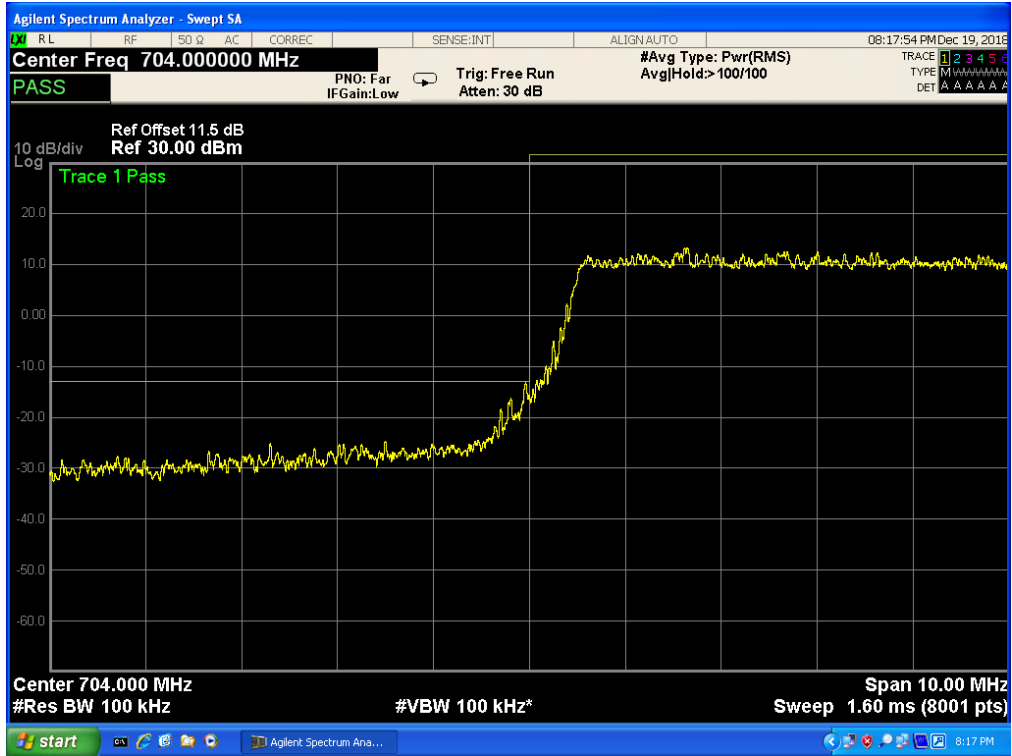
Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



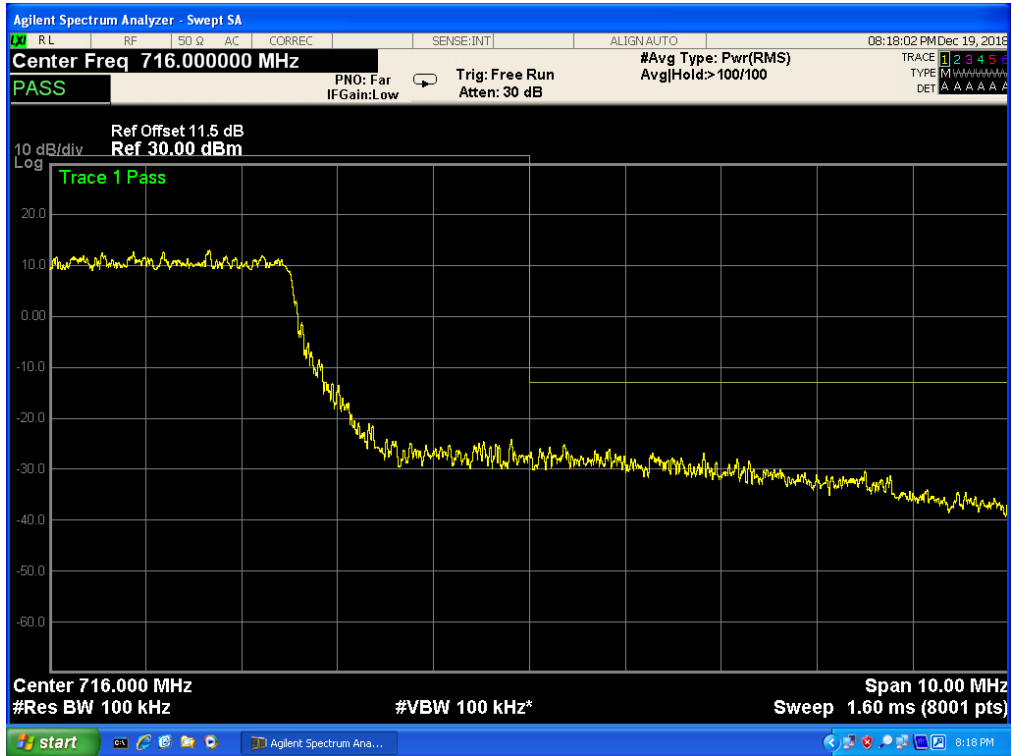
Band 17, UL Channel 23825, UL Frequency 713.5, BW 5.0, NO. RB 25, RB POS. Low, 16-QAM



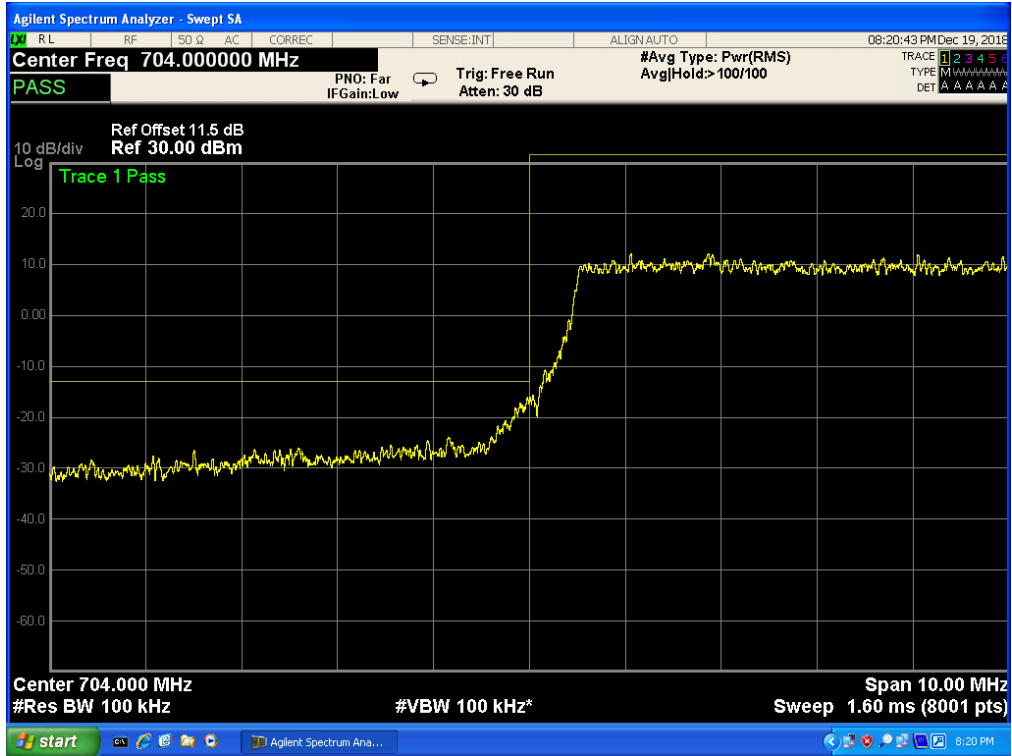
Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



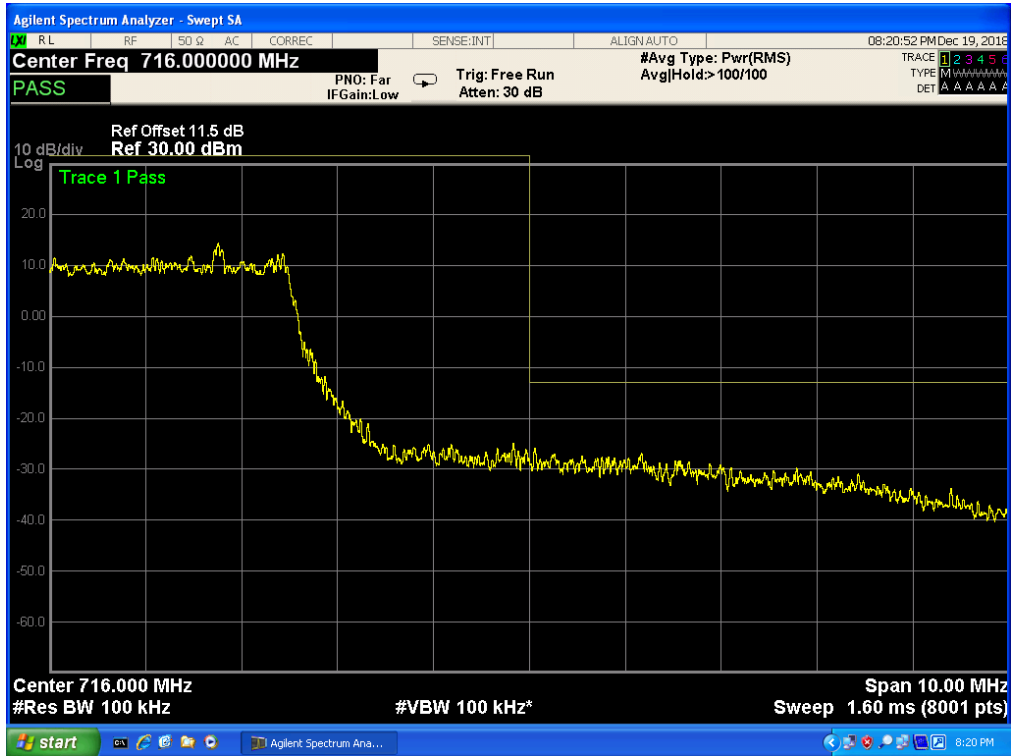
Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



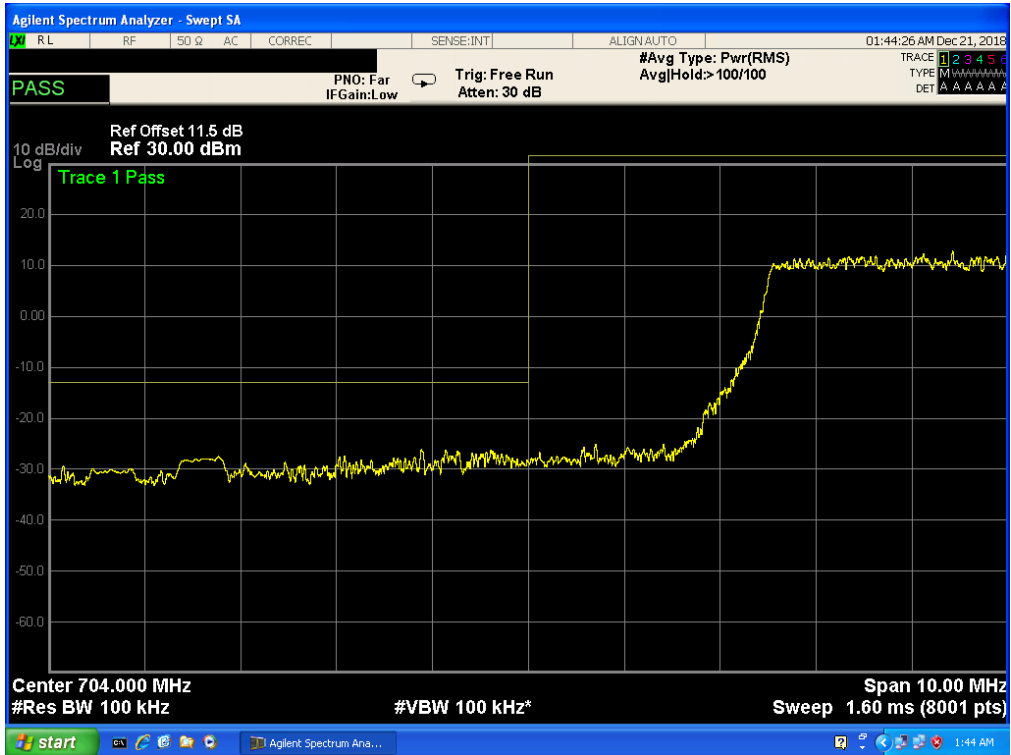
Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



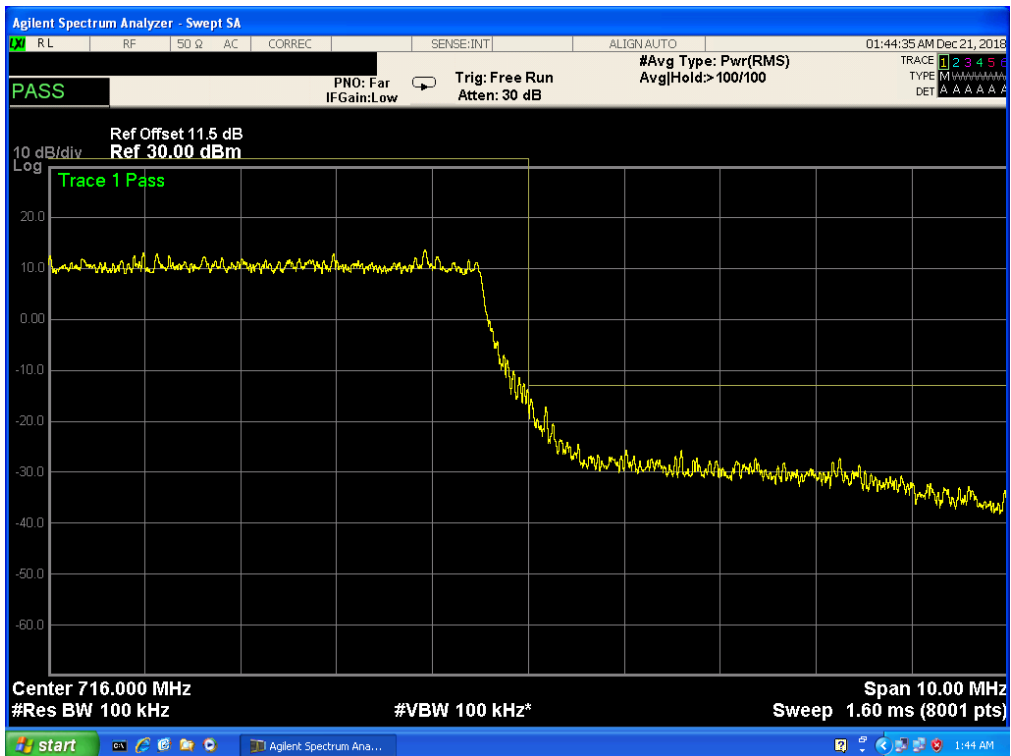
Band 17, UL Channel 23780, UL Frequency 709.0, BW 10.0, NO. RB 50, RB POS. Low, 16-QAM



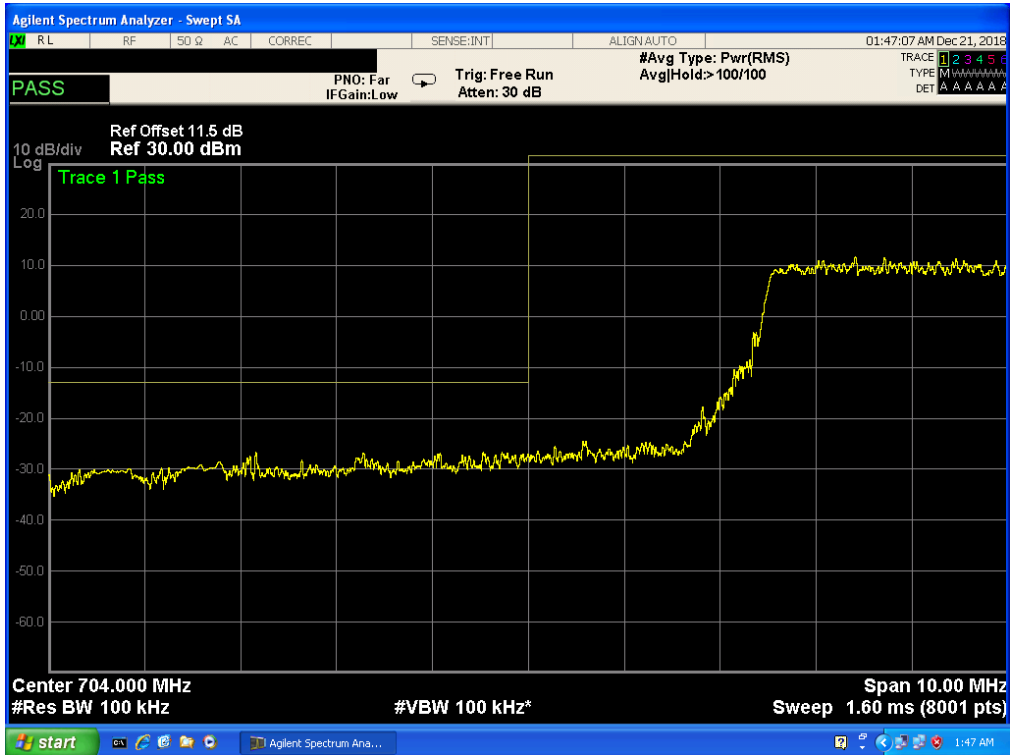
Band 17, UL Channel 23800, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



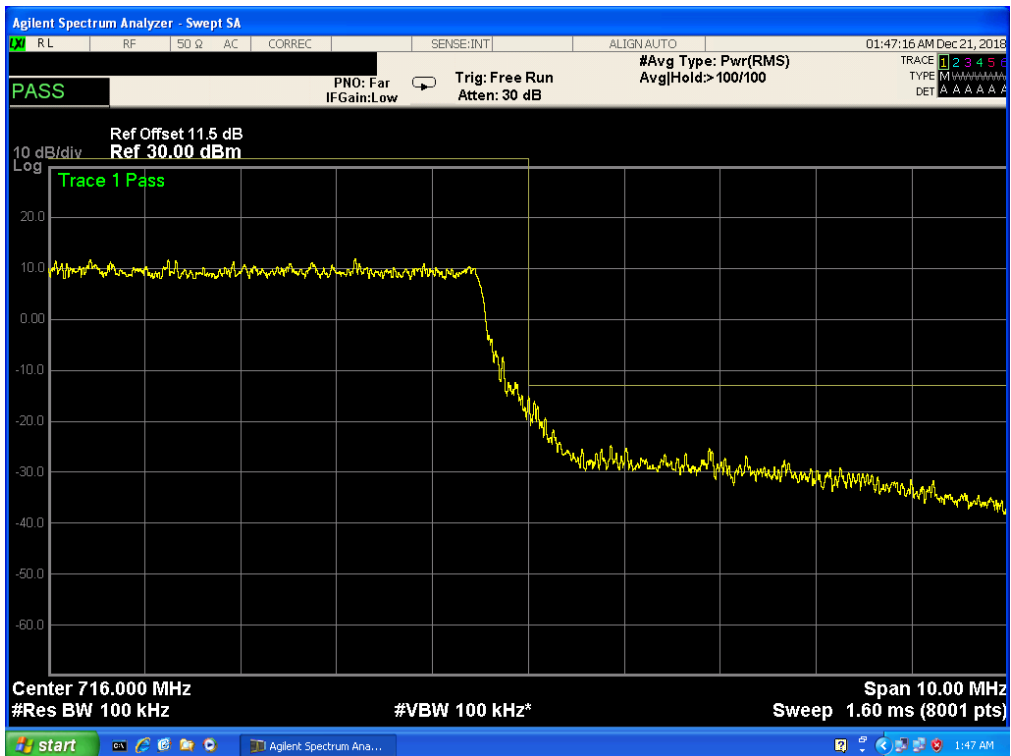
Band 17, UL Channel 23800, UL Frequency 711.0, BW 10.0, NO. RB 50, RB POS. Low, QPSK



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

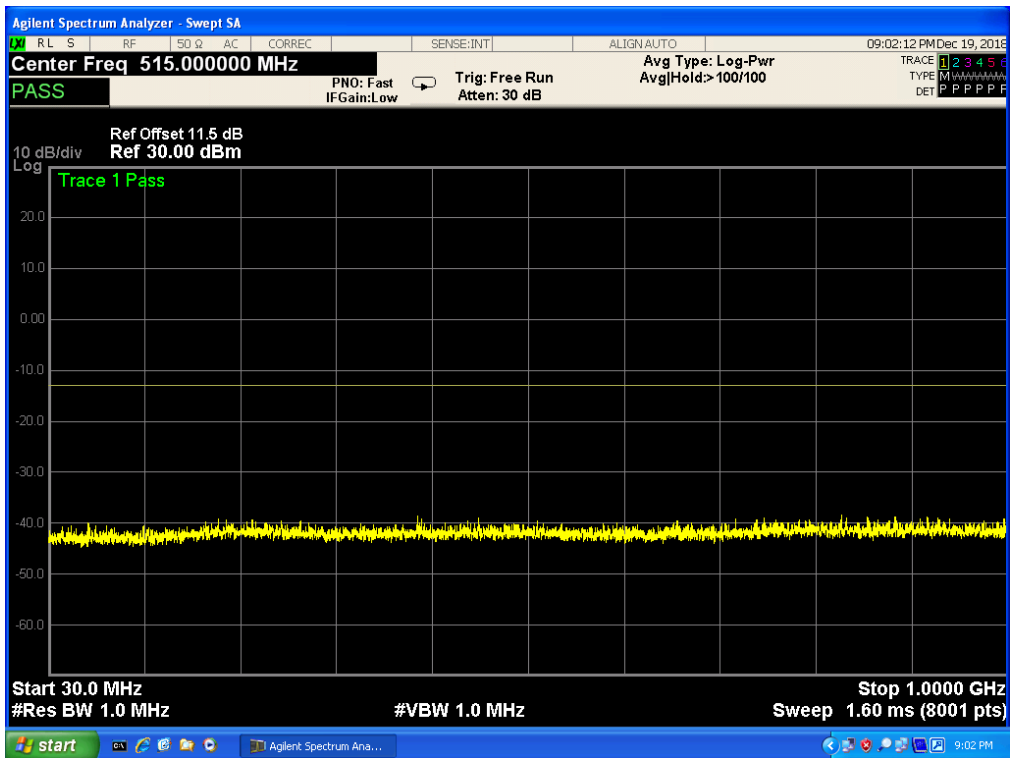
- LTE Band 2
LTE Band 4
- LTE Band 5
LTE Band 7
LTE Band 12
LTE Band 17

7.1 MEASUREMENT METHOD

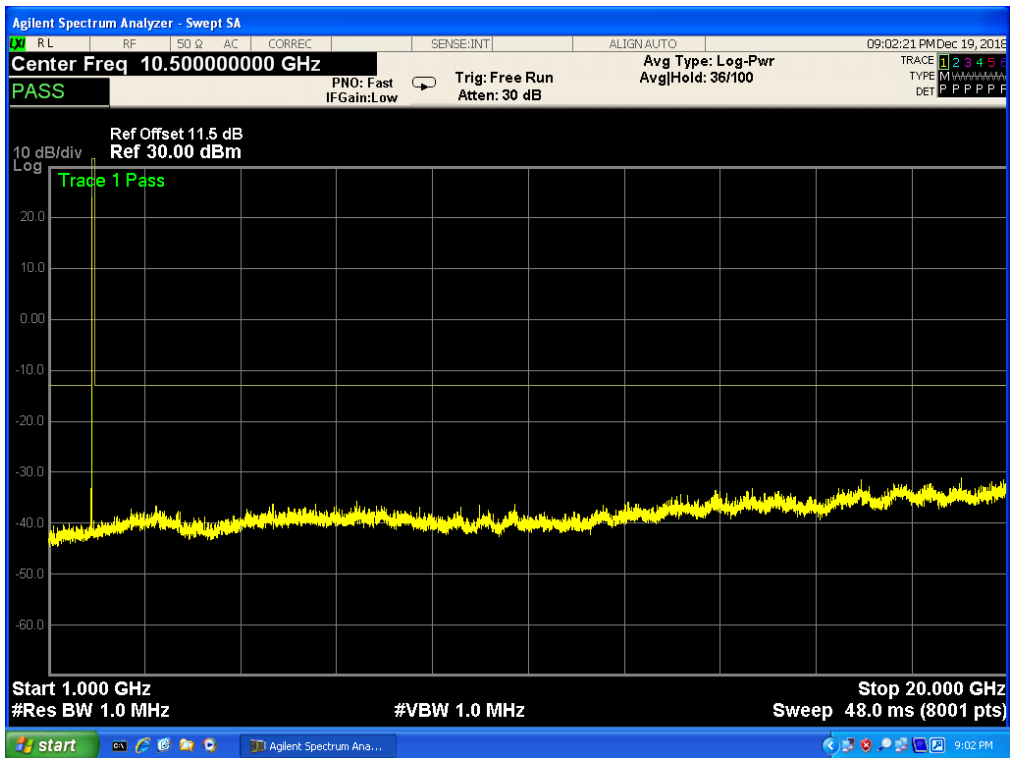
The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

7.1 LTE BAND 2

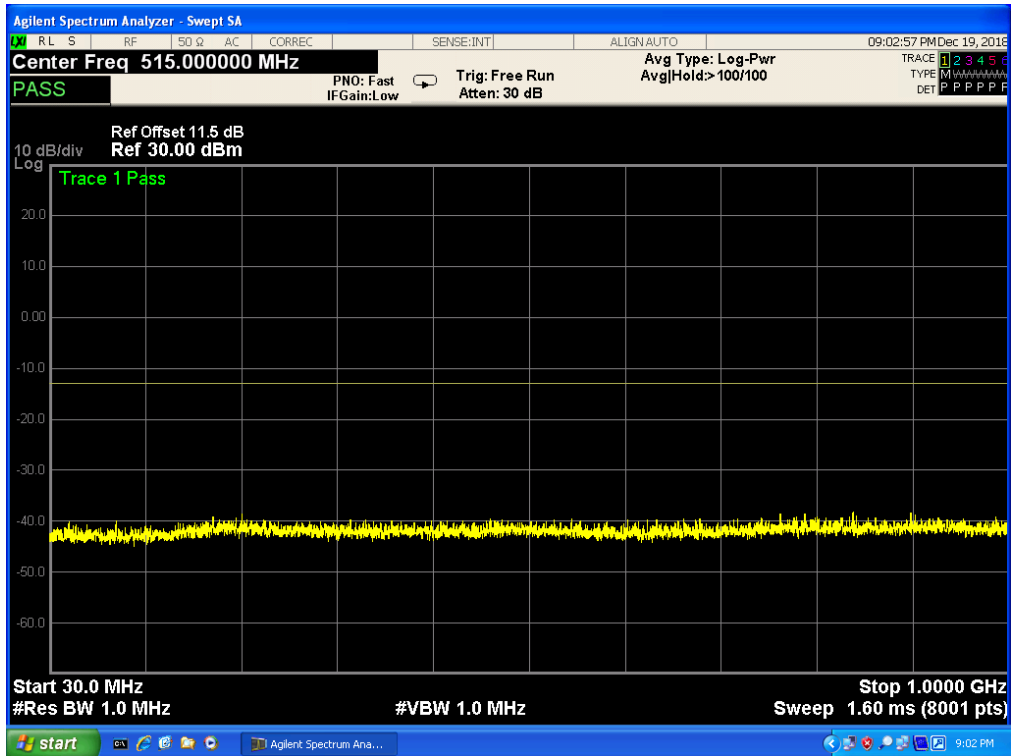
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



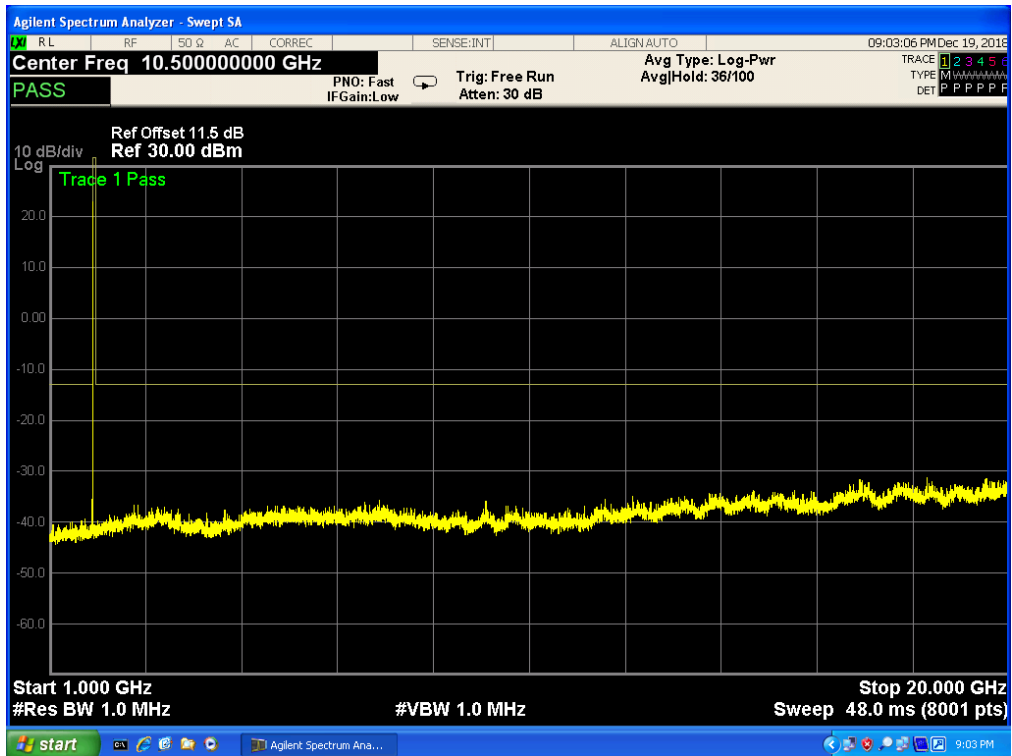
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, QPSK



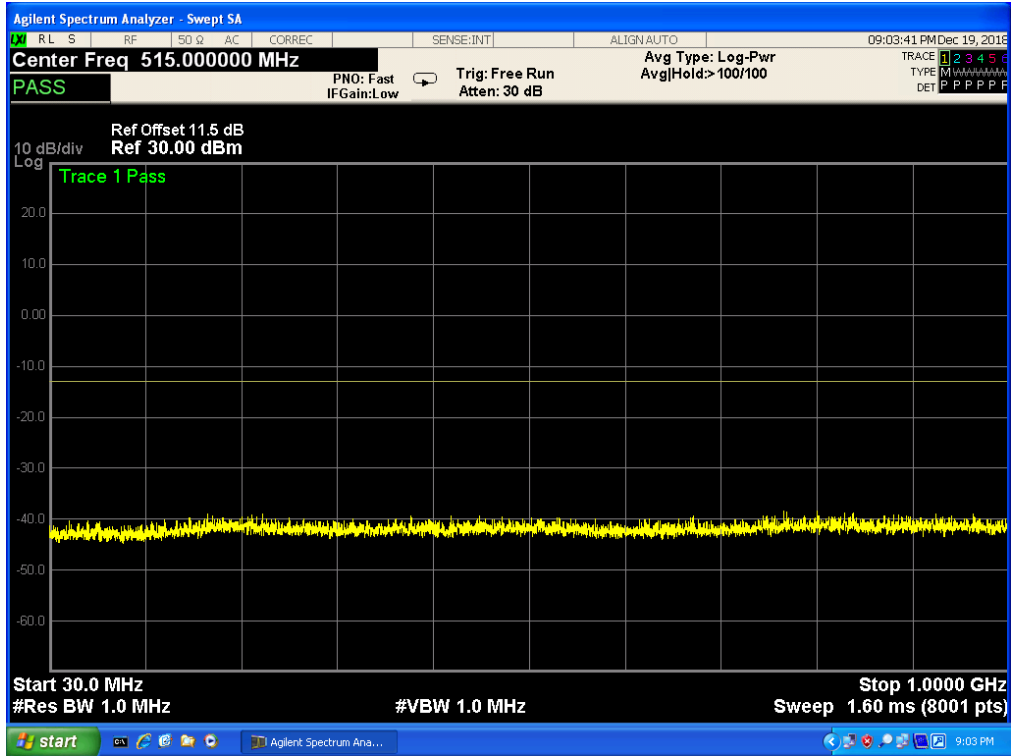
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, 16QAM



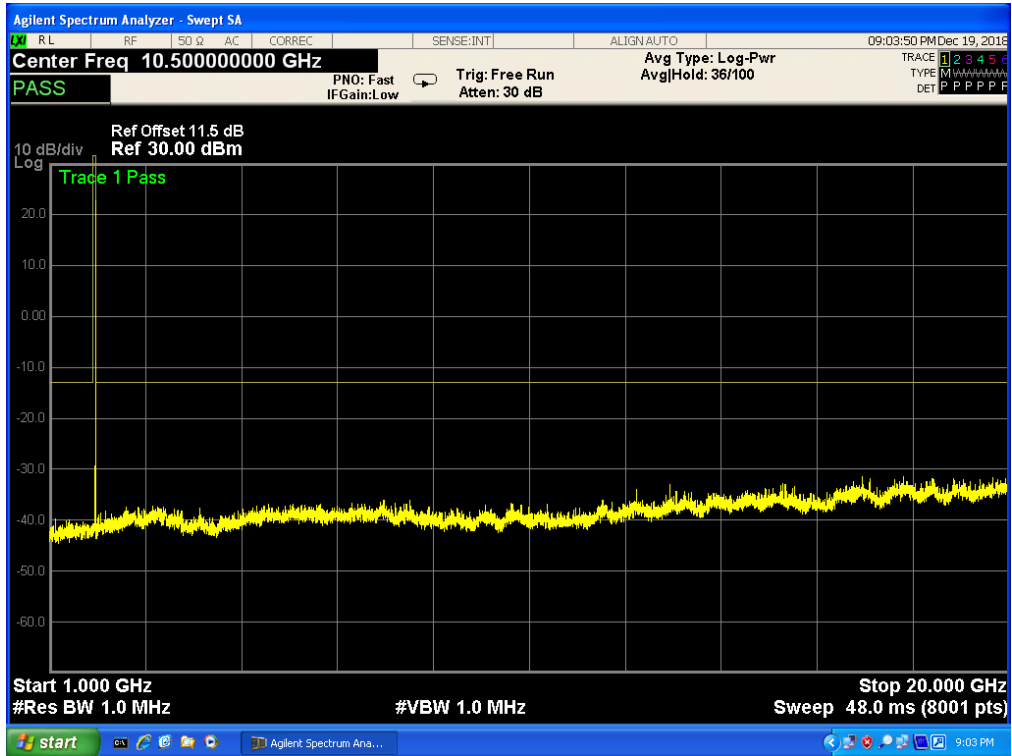
Band 2, UL Channel 18607, UL Frequency 1850.7, BW 1.4, NO. RB 6, RB POS. Low, 16QAM



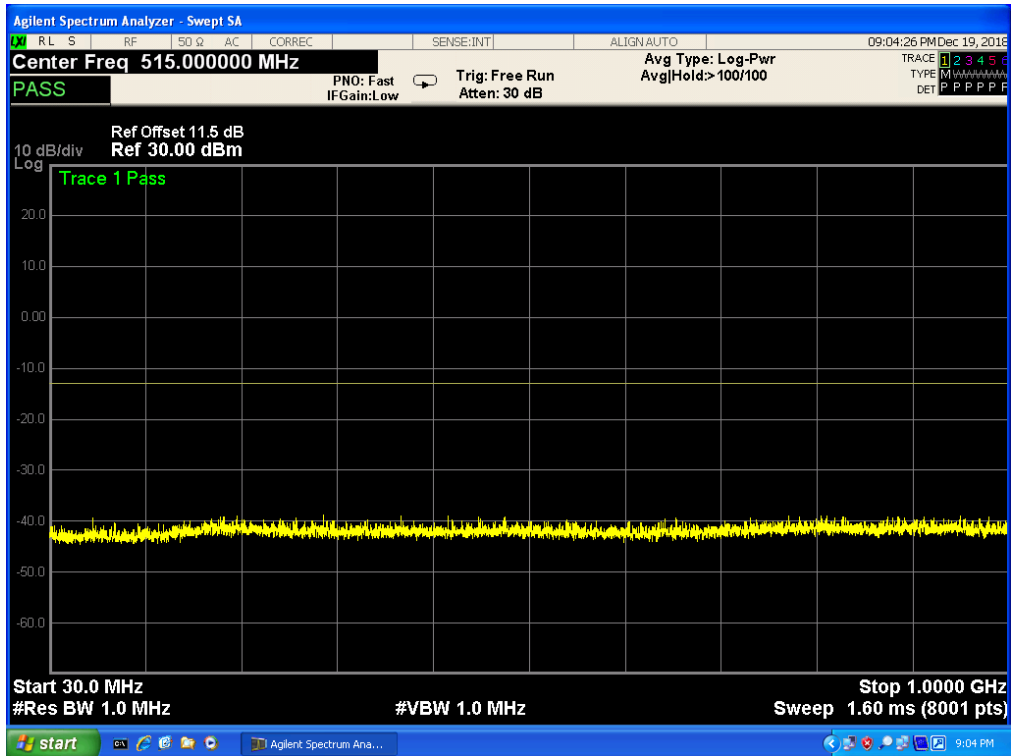
Band 2, UL Channel 19193, UL Frequency 1909.3, BW 1.4, NO. RB 6, RB POS. Low, QPSK



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

