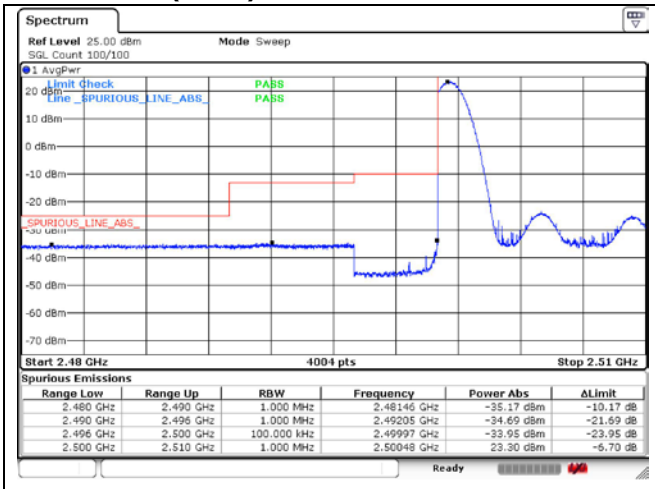
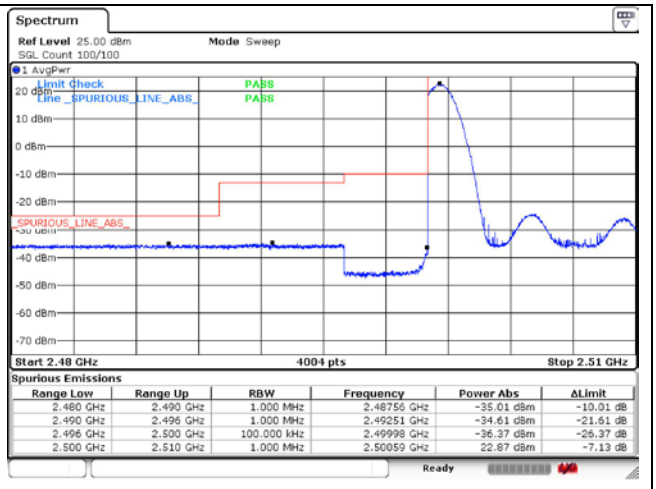
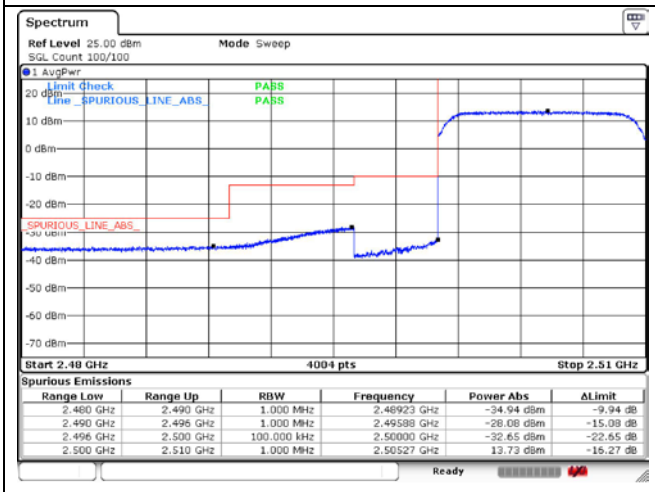
LTE band 7 (10 ㎒)



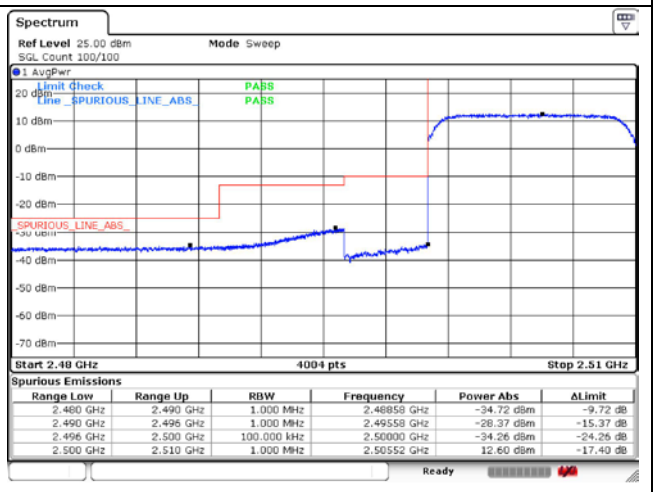
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

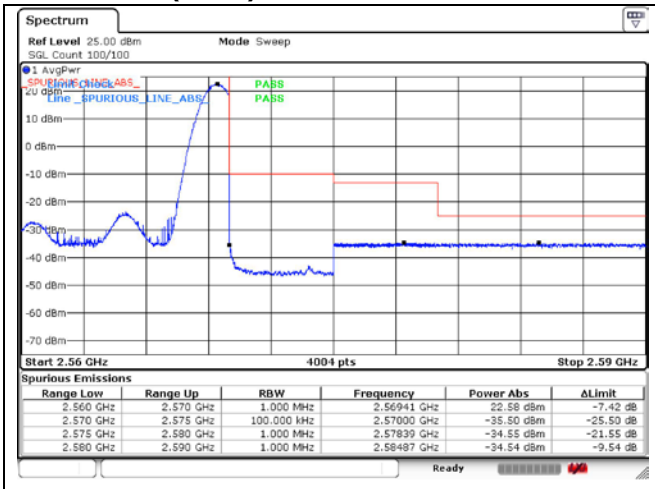


QPSK Low Channel - Full RB

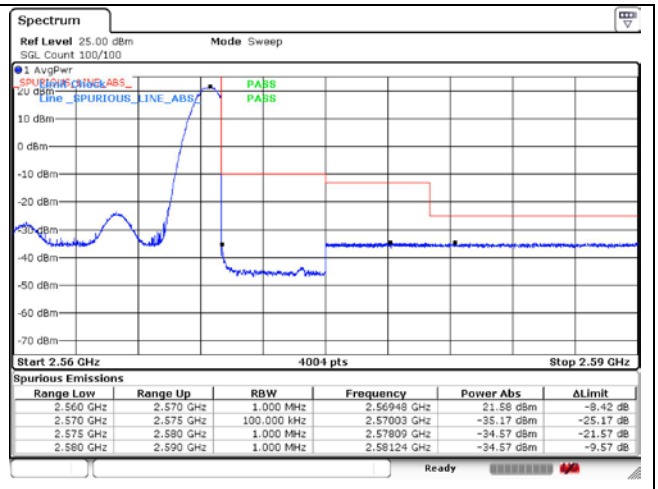


16QAM Low Channel - Full RB

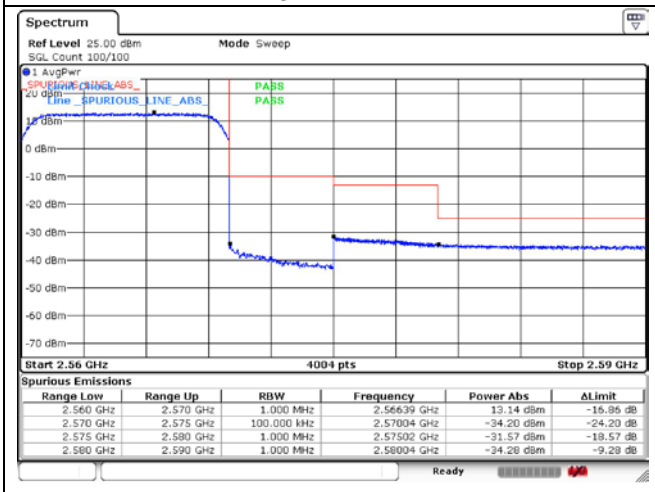
LTE band 7 (10 ㎒)



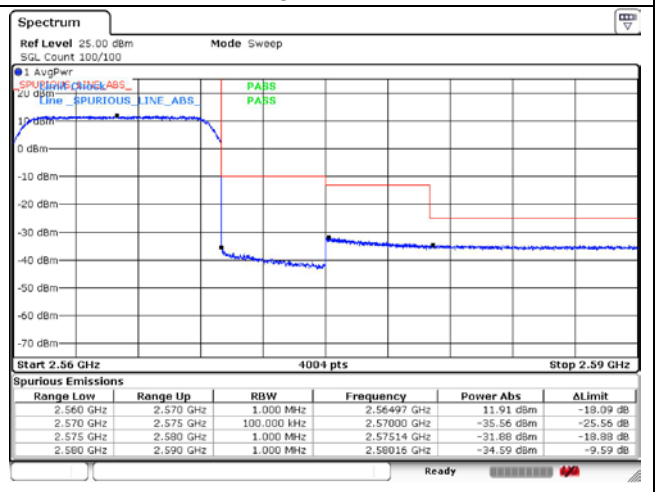
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

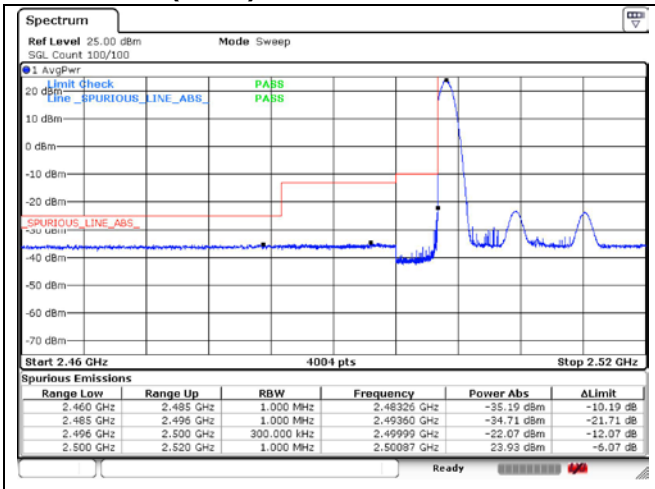


QPSK High Channel - Full RB

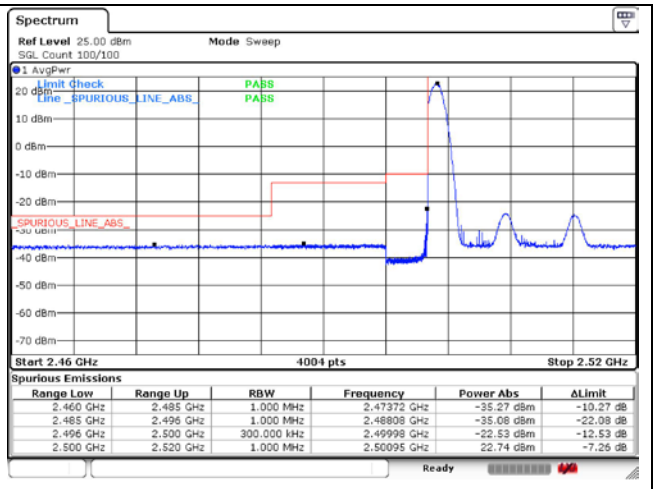


16QAM High Channel - Full RB

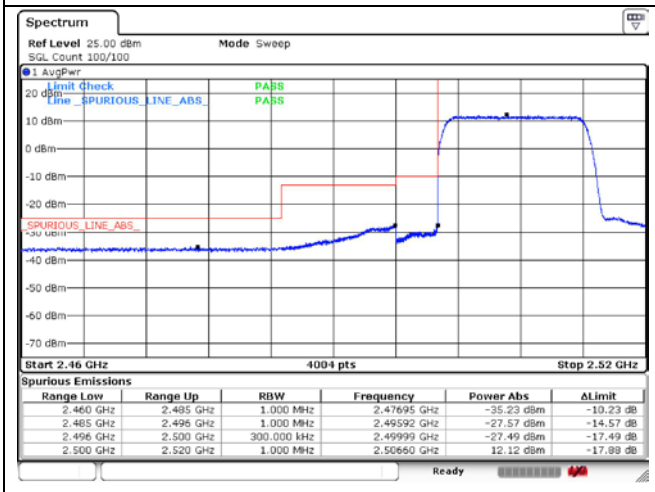
LTE band 7 (15 ㎒)



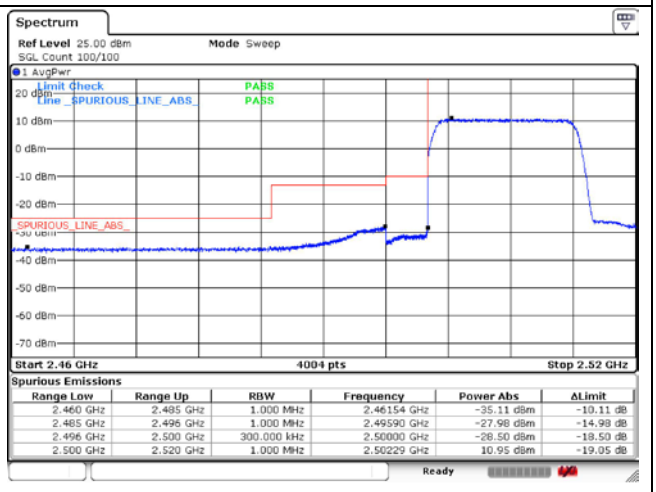
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

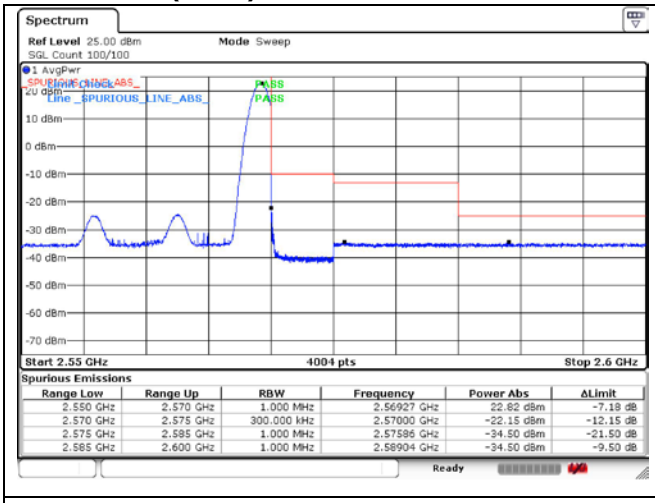


QPSK Low Channel - Full RB

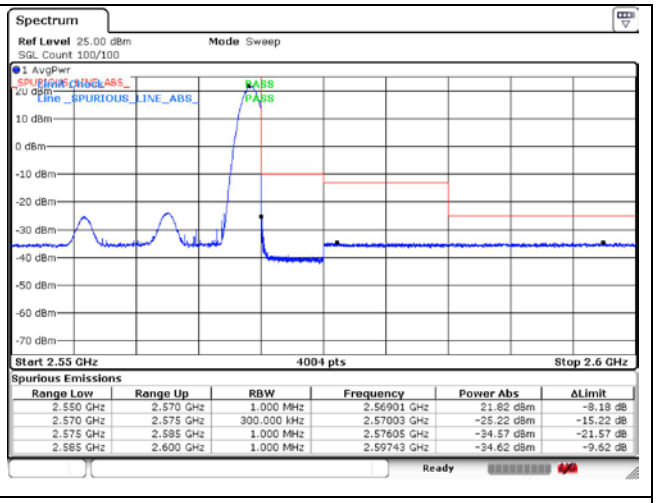


16QAM Low Channel - Full RB

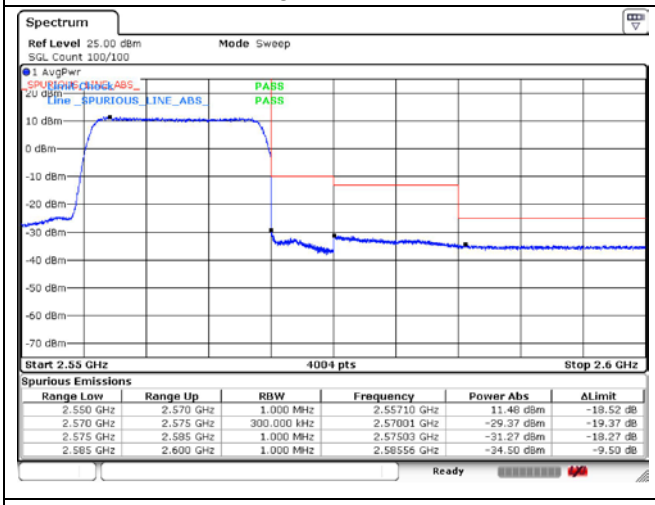
LTE band 7 (15 ㎒)



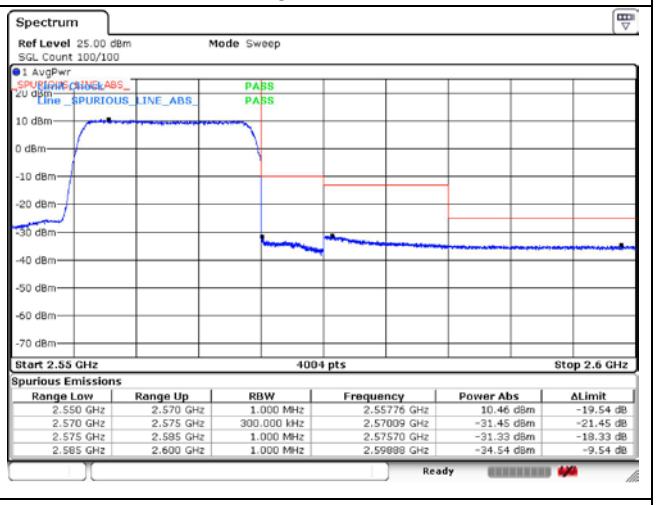
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

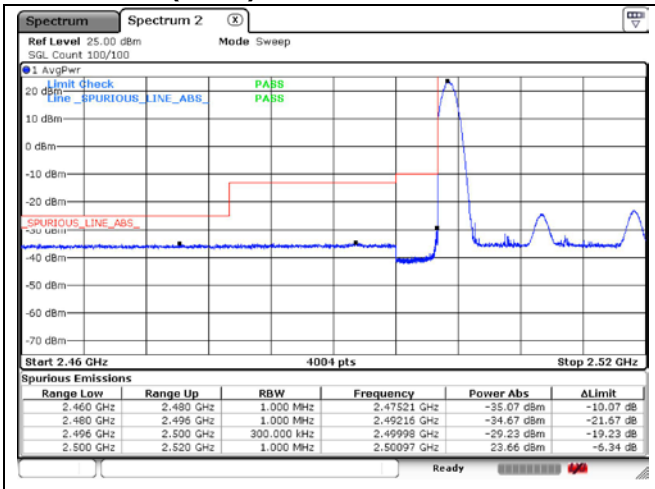


QPSK High Channel - Full RB

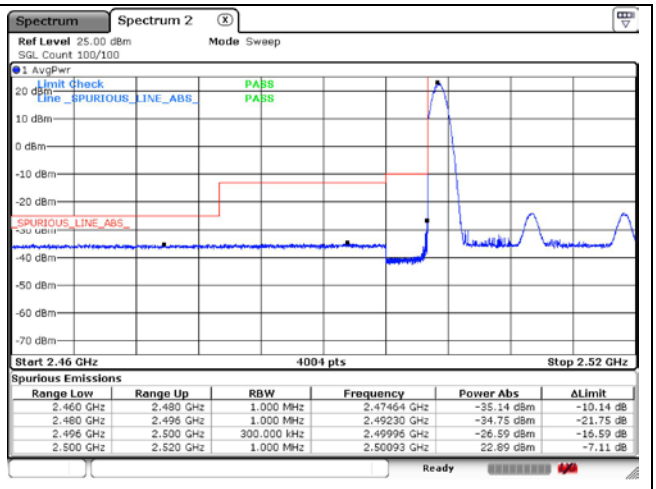


16QAM High Channel - Full RB

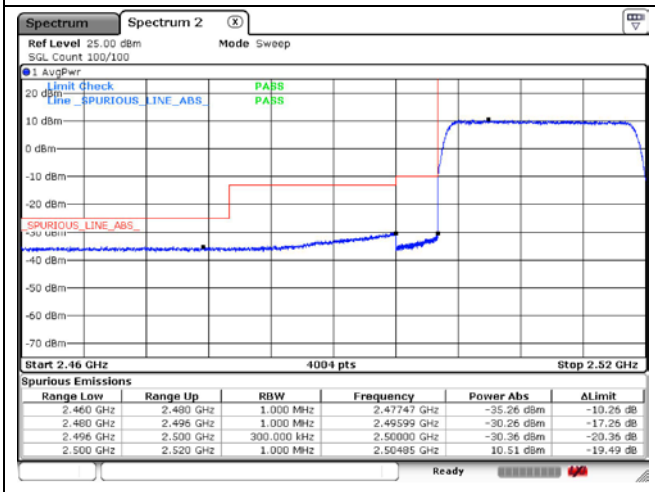
LTE band 7 (20 ㎒)



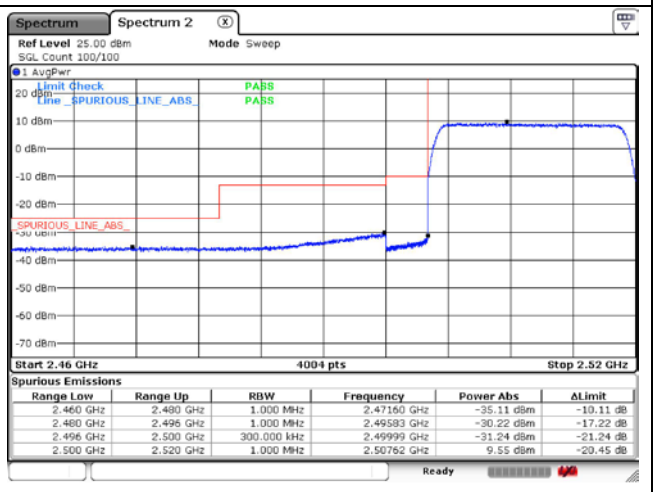
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

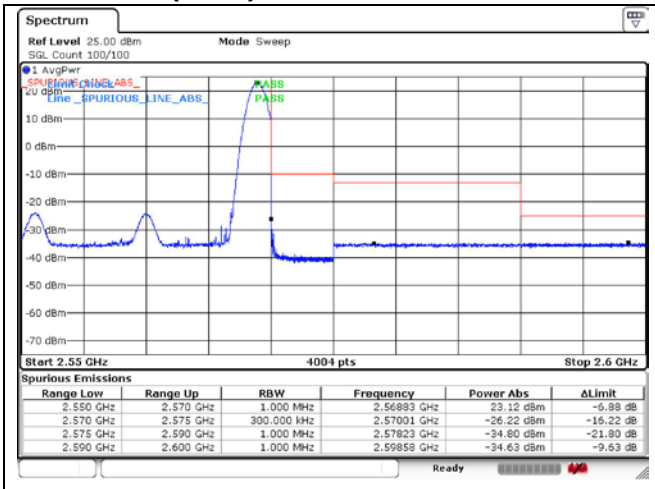


QPSK Low Channel - Full RB

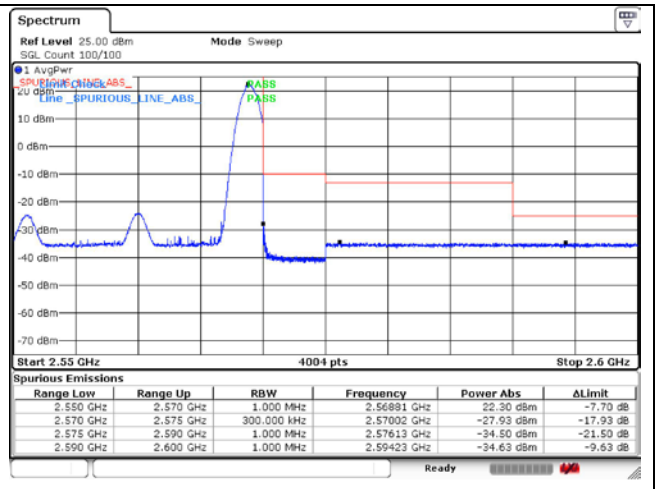


16QAM Low Channel - Full RB

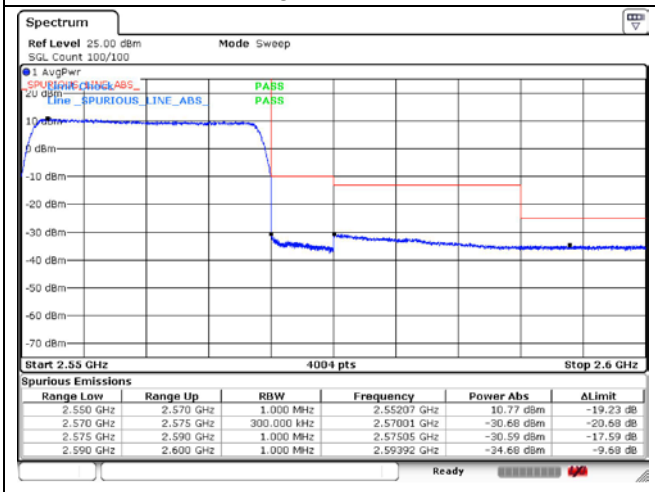
LTE band 7 (20 ㎒)



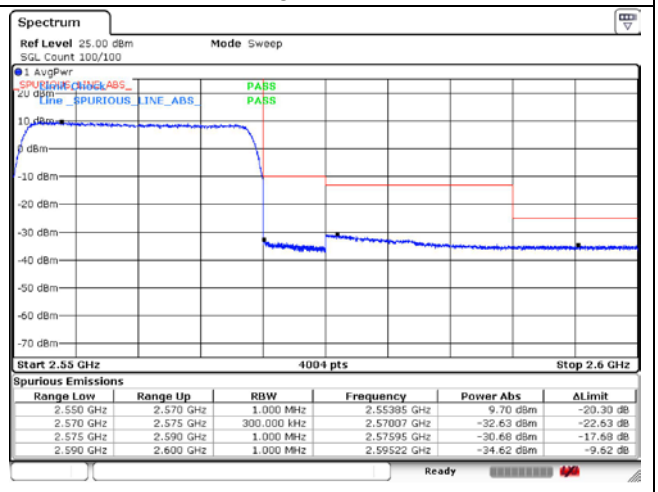
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

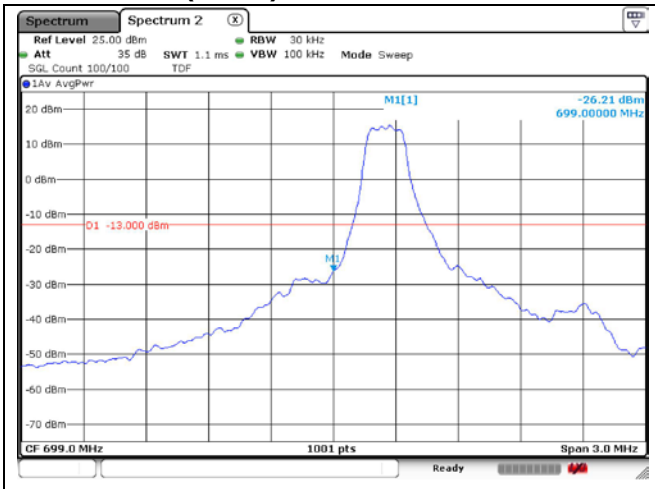


QPSK High Channel - Full RB

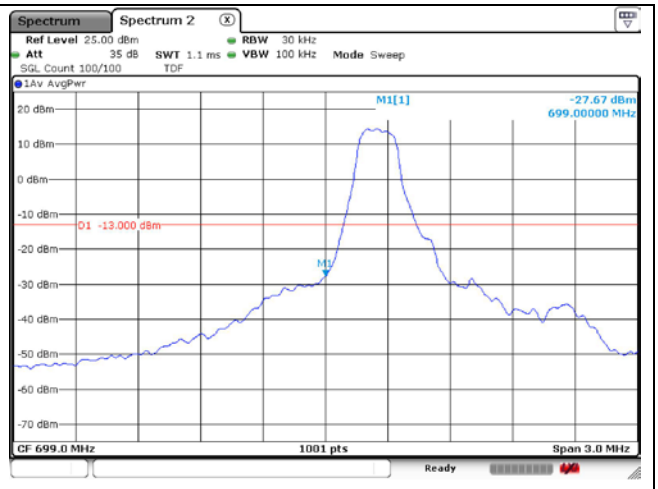


16QAM High Channel - Full RB

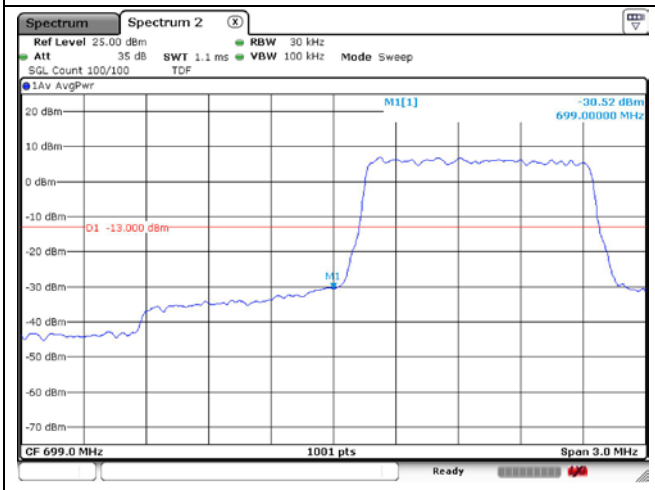
LTE band 12 (1.4 ㎒)



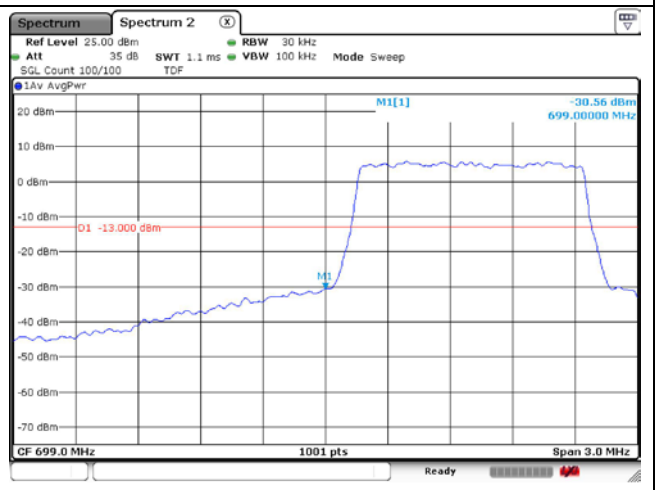
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

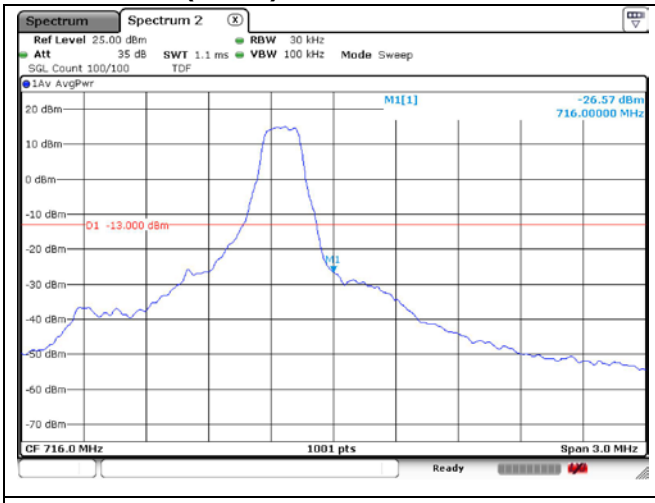


QPSK Low Channel - Full RB

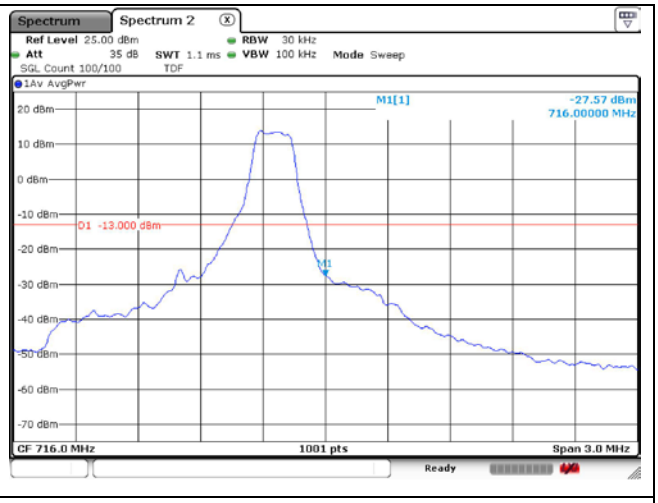


16QAM Low Channel - Full RB

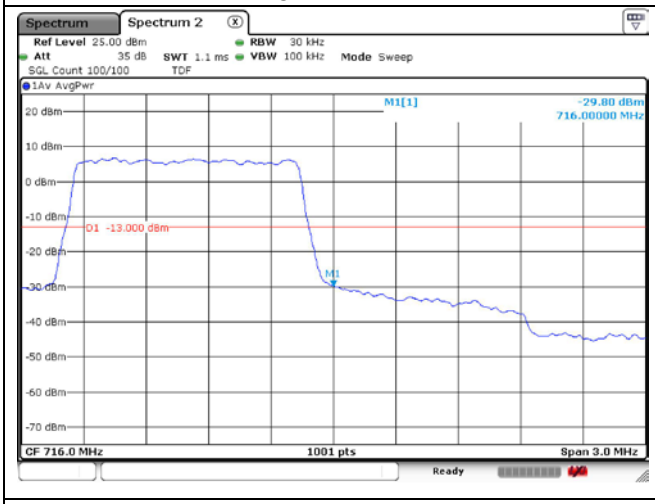
LTE band 12 (1.4 ㎒)



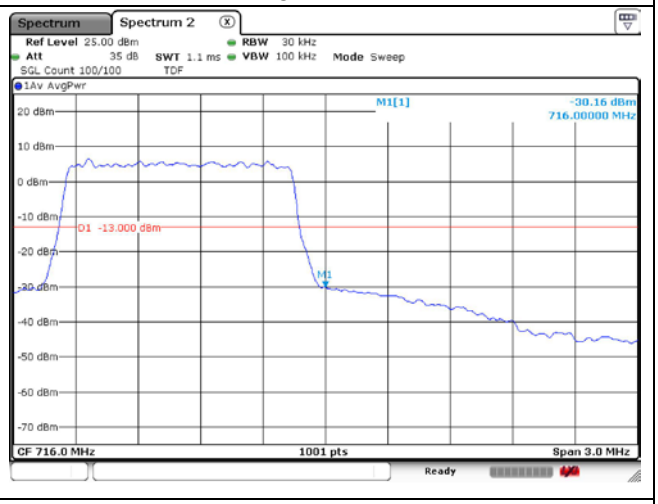
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

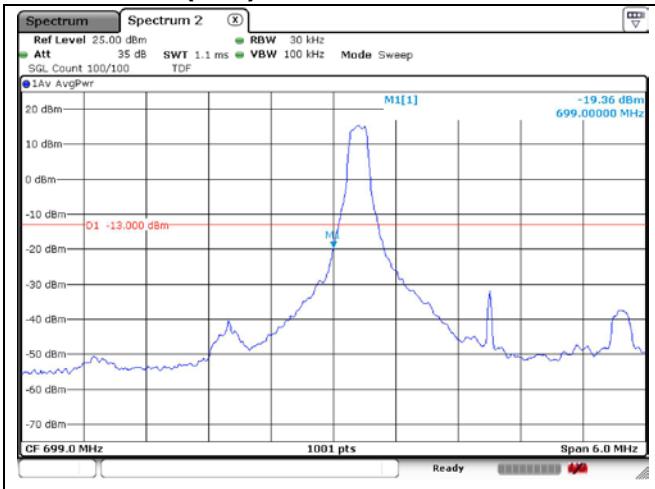


QPSK High Channel - Full RB

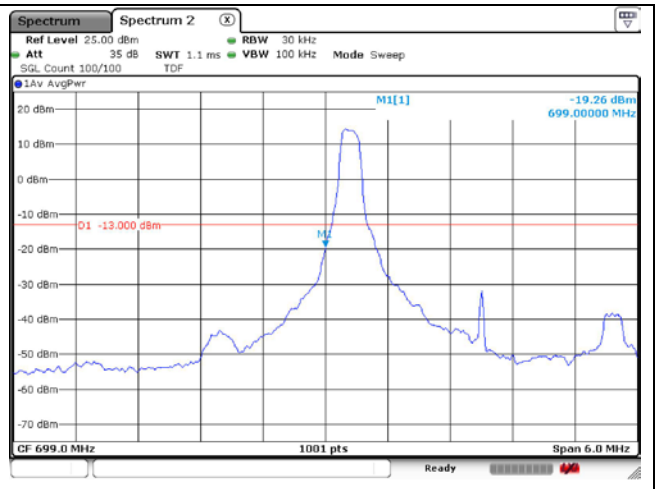


16QAM High Channel - Full RB

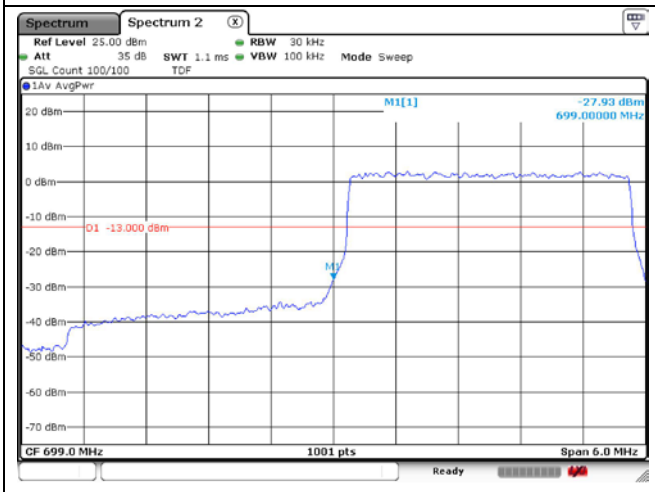
LTE band 12 (3 ㎒)



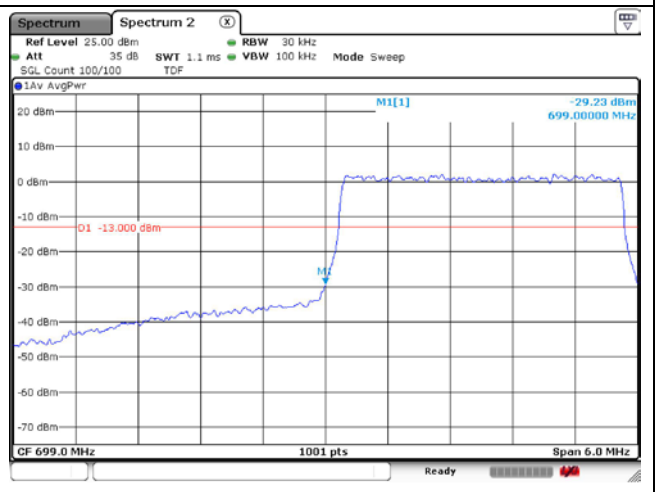
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

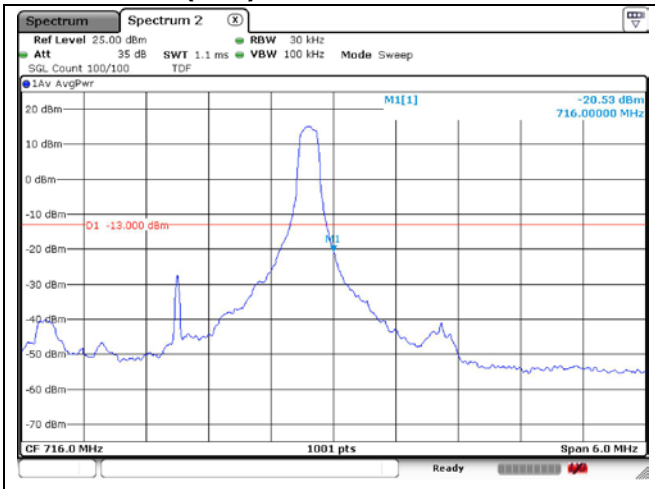


QPSK Low Channel - Full RB

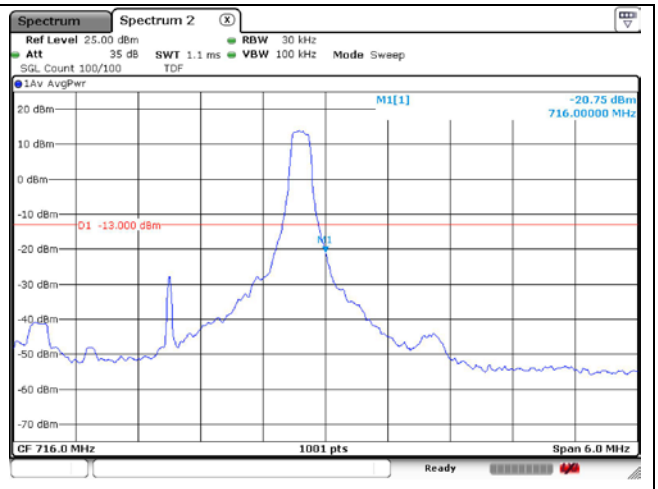


16QAM Low Channel - Full RB

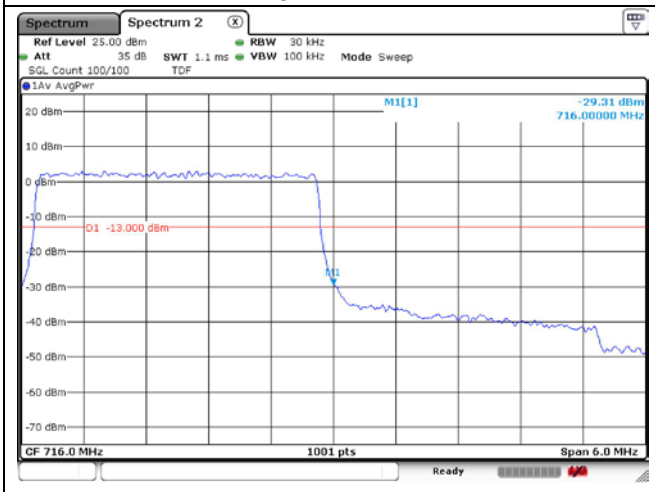
LTE band 12 (3 ㎒)



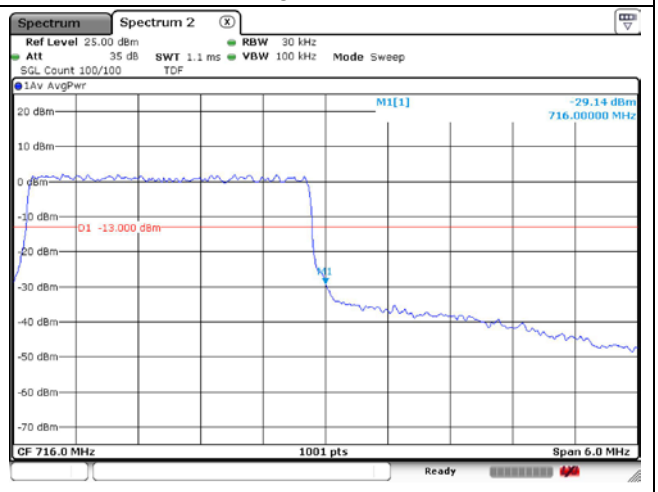
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

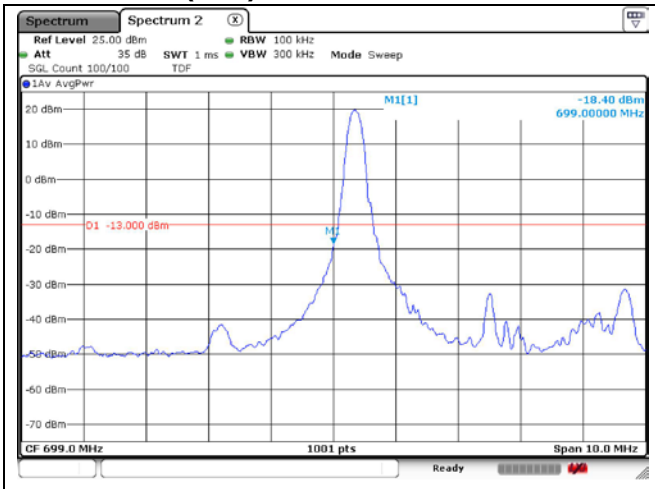


QPSK High Channel - Full RB

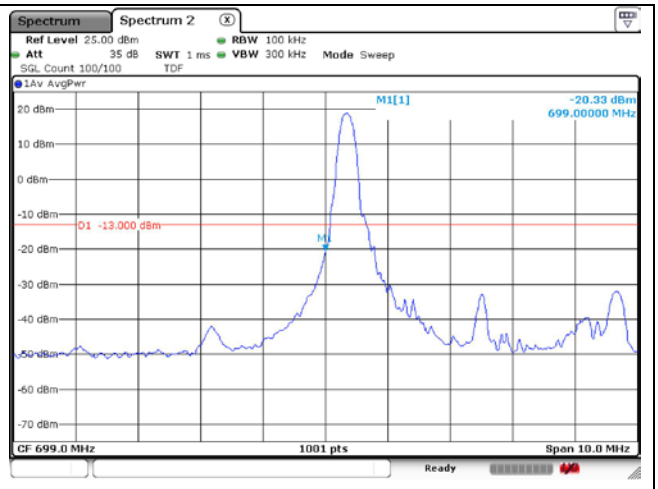


16QAM High Channel - Full RB

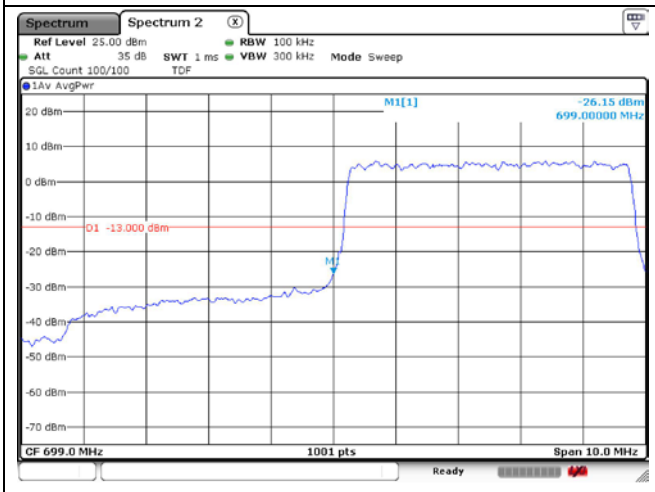
LTE band 12 (5 ㎒)



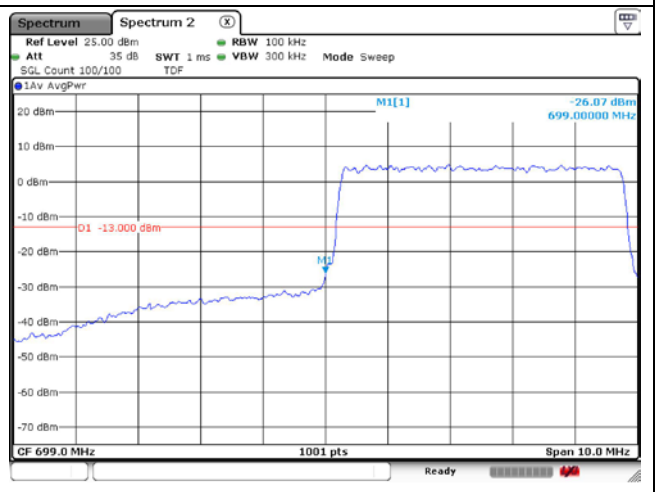
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

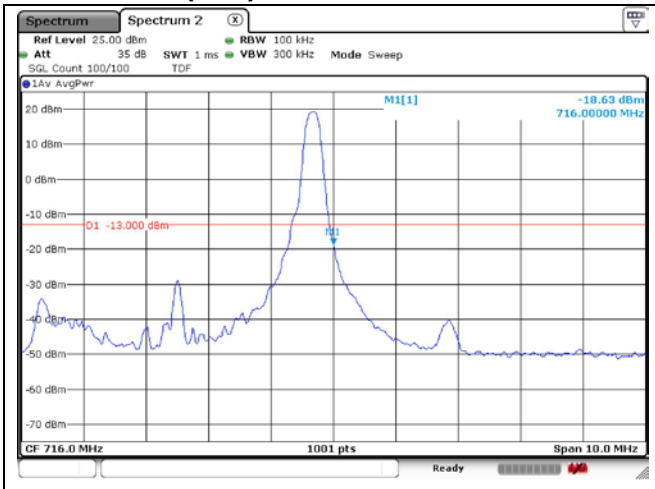


QPSK Low Channel - Full RB



16QAM Low Channel - Full RB

LTE band 12 (5 ㎒)



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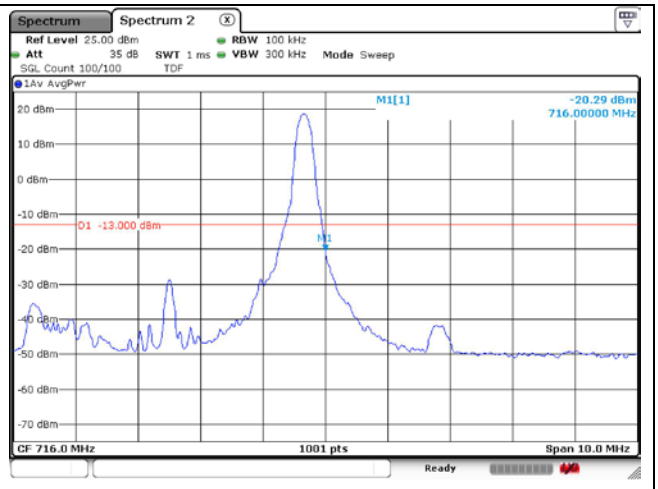
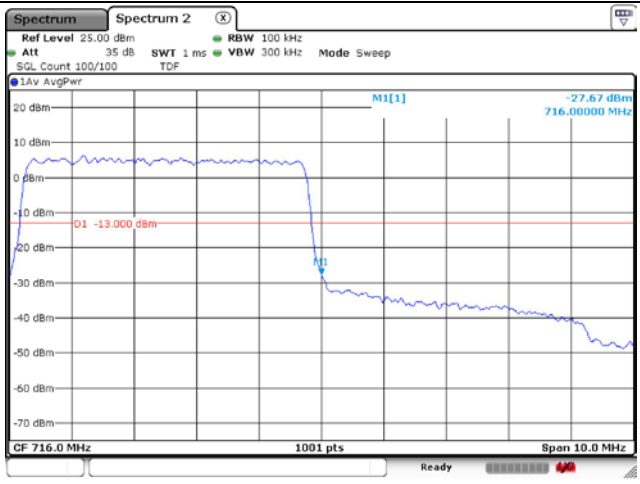
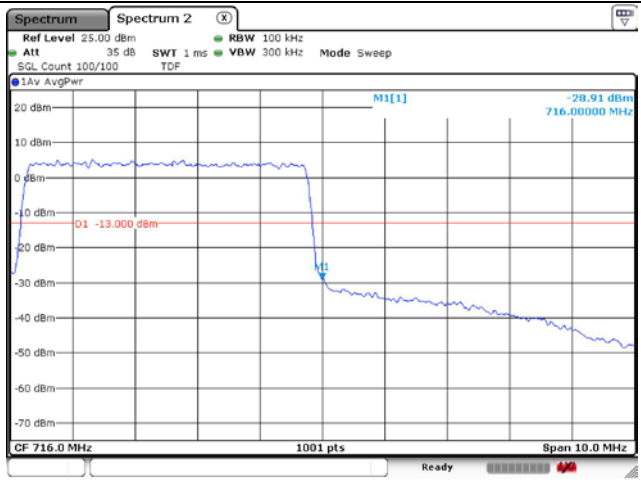


16QAM High Channel - 1 RB

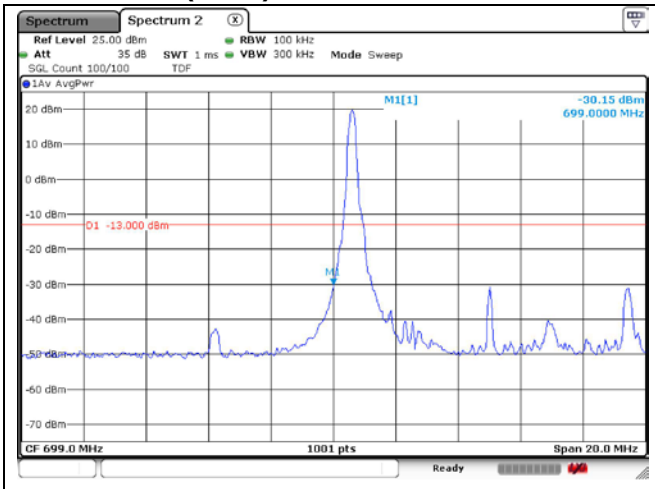


QPSK High Channel - Full RB

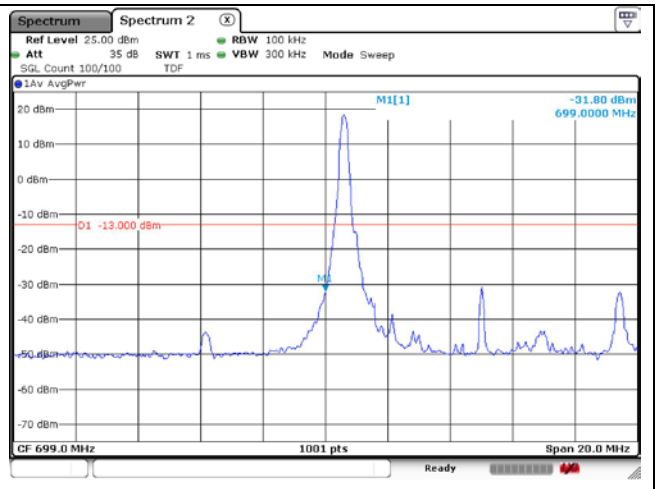


16QAM High Channel - Full RB

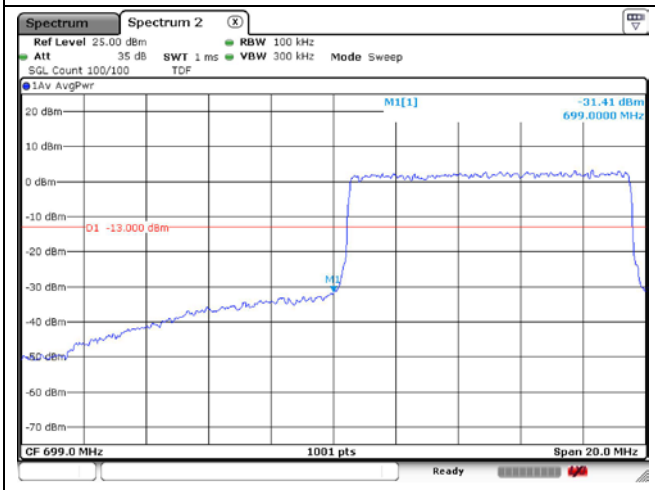
LTE band 12 (10 ㎒)



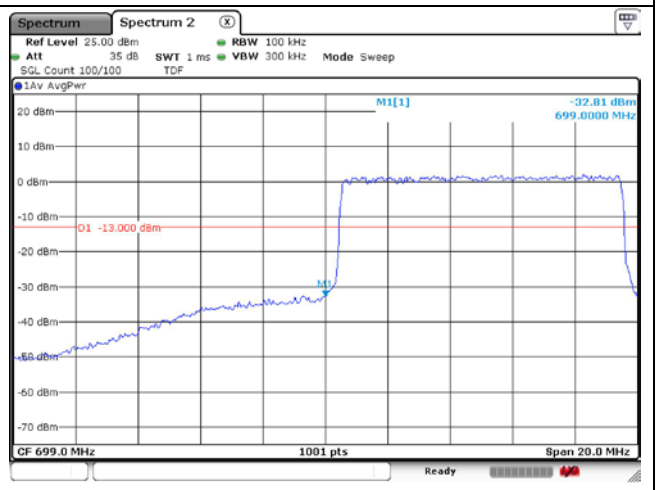
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

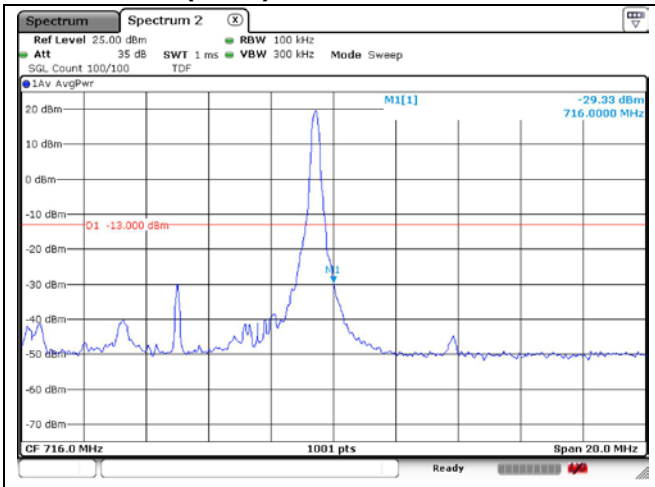


QPSK Low Channel - Full RB



16QAM Low Channel - Full RB

LTE band 12 (10 ㎒)



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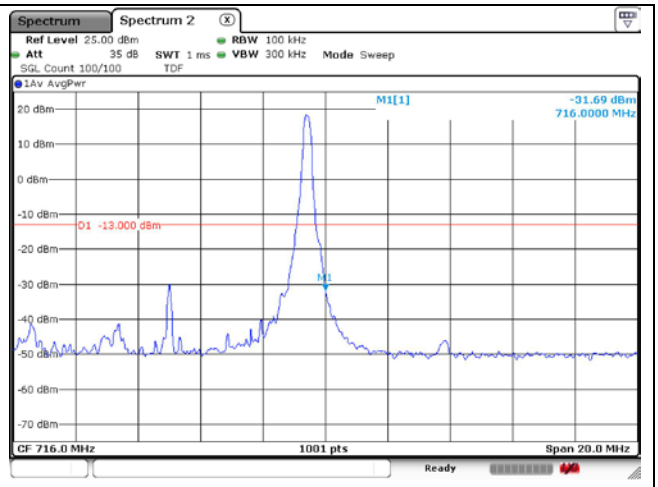
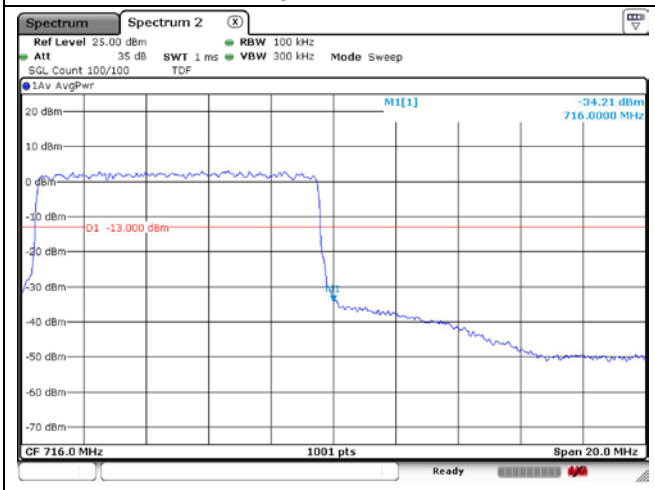
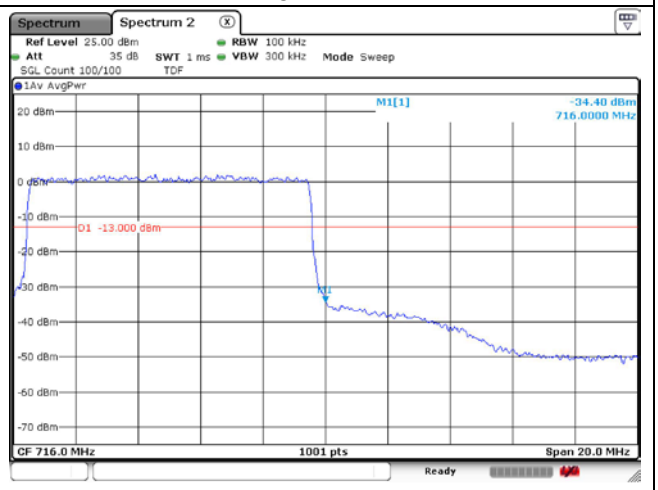


16QAM High Channel - 1 RB

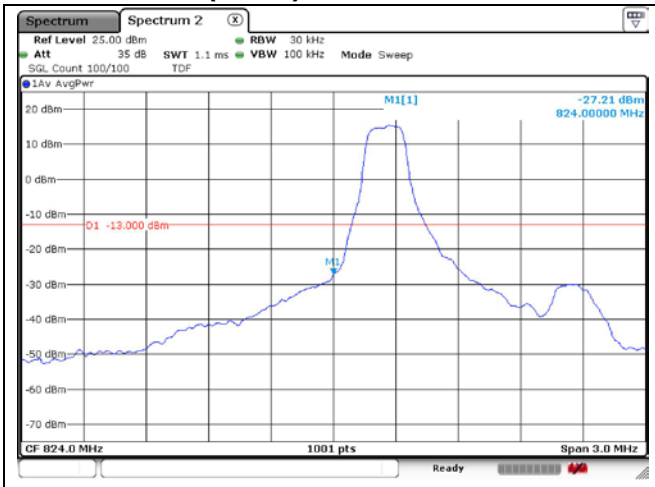


QPSK High Channel - Full RB

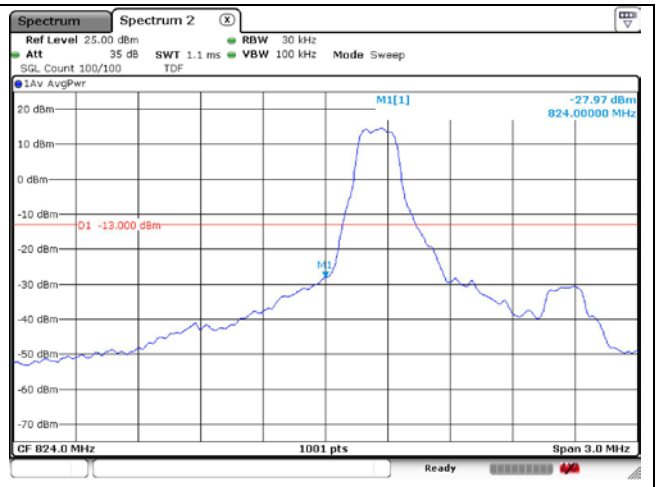


16QAM High Channel - Full RB

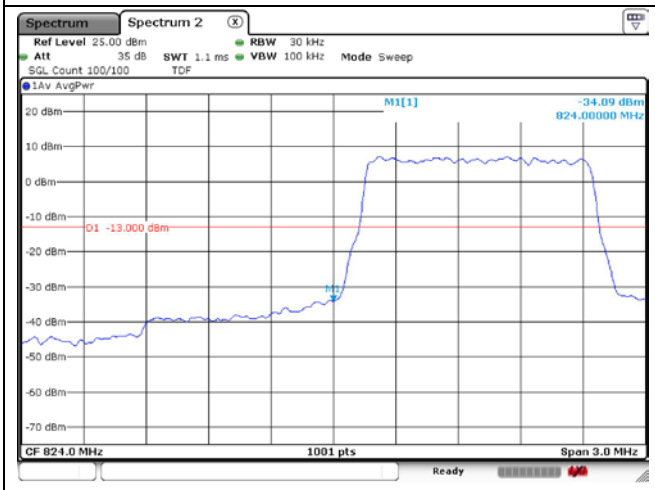
LTE band 26/5 (1.4 ㎒)



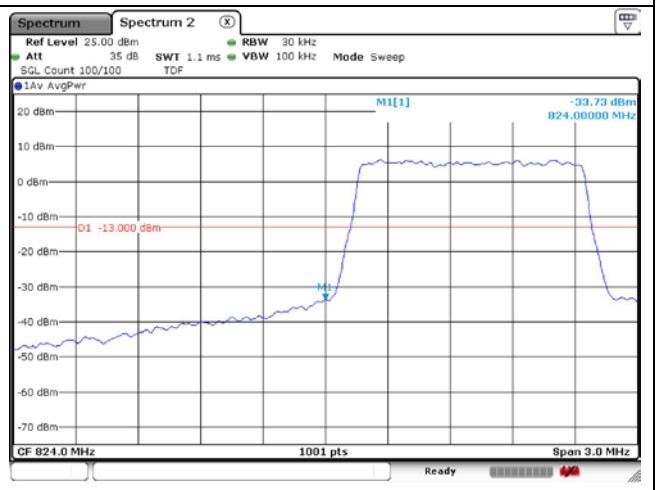
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB



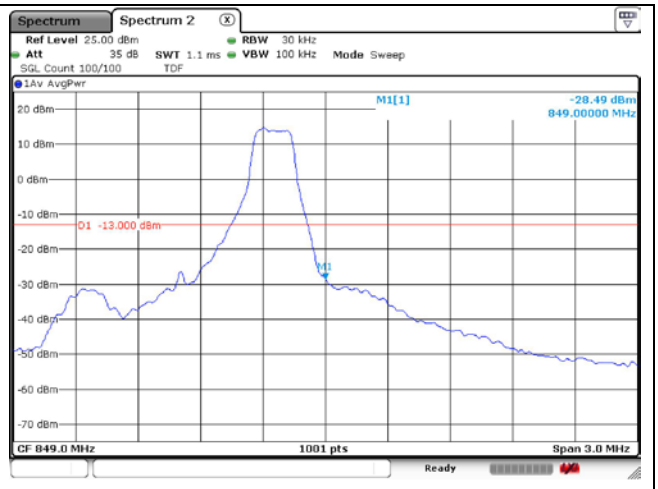
QPSK Low Channel - Full RB



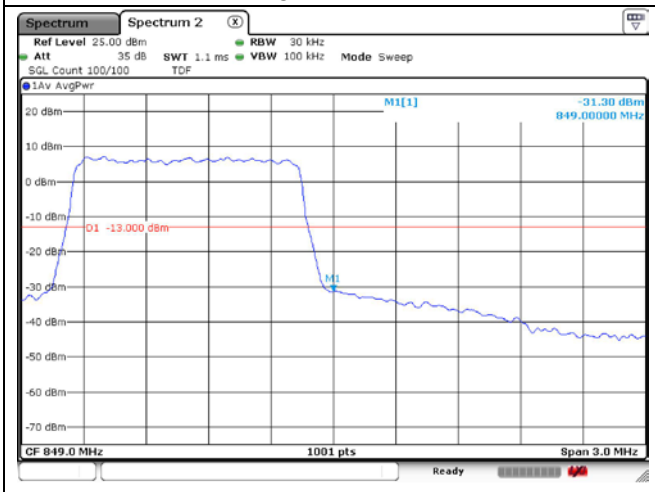
16QAM Low Channel - Full RB

LTE band 26.5 (1.4 ㎒)

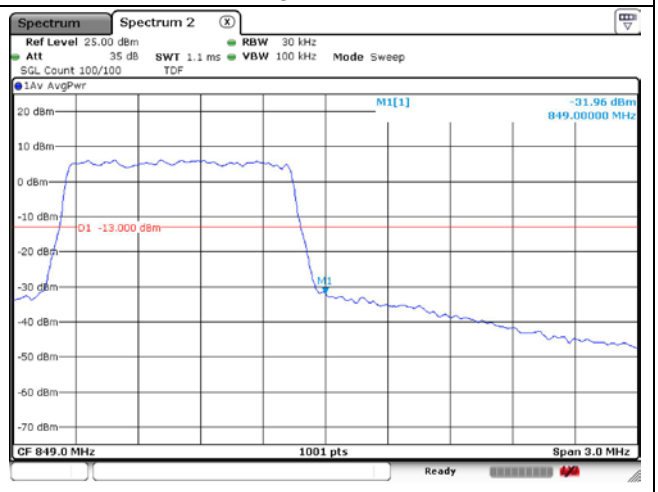
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

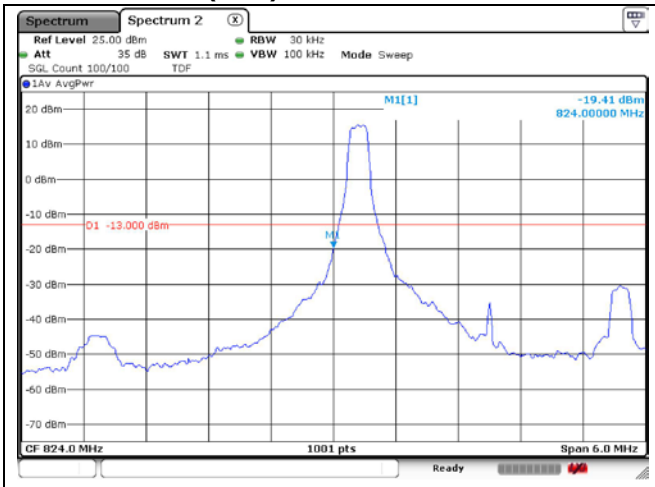


QPSK High Channel - Full RB

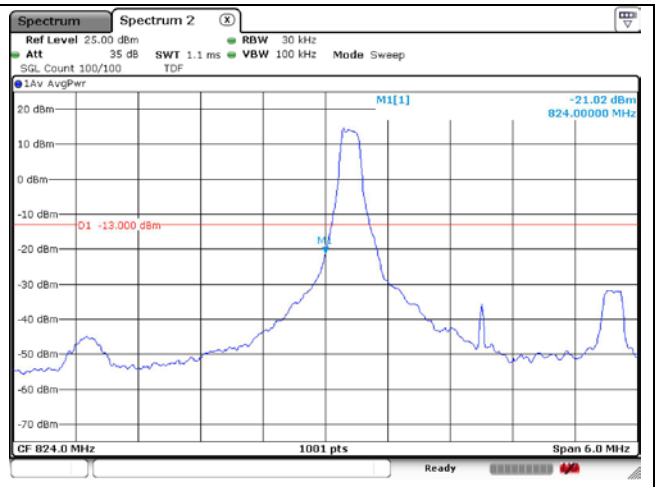


16QAM High Channel - Full RB

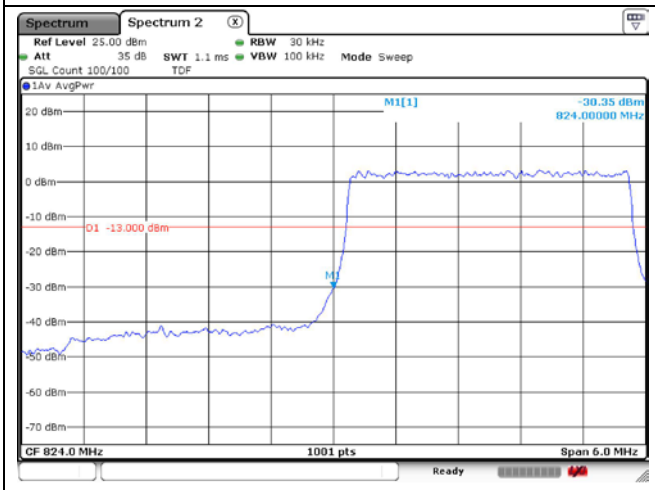
LTE band 26/5 (3 ㎒)



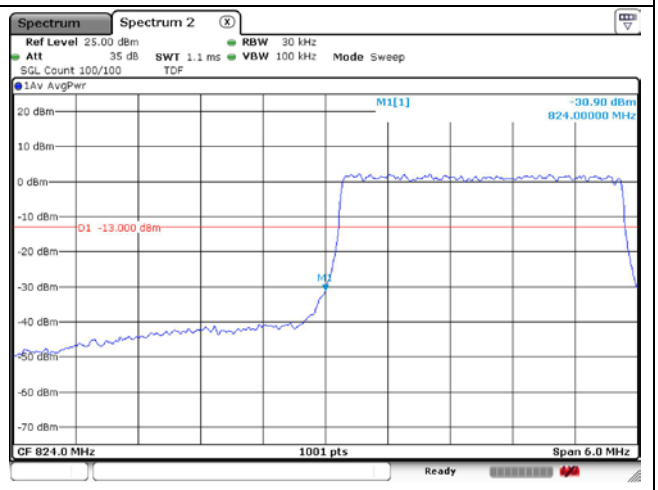
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

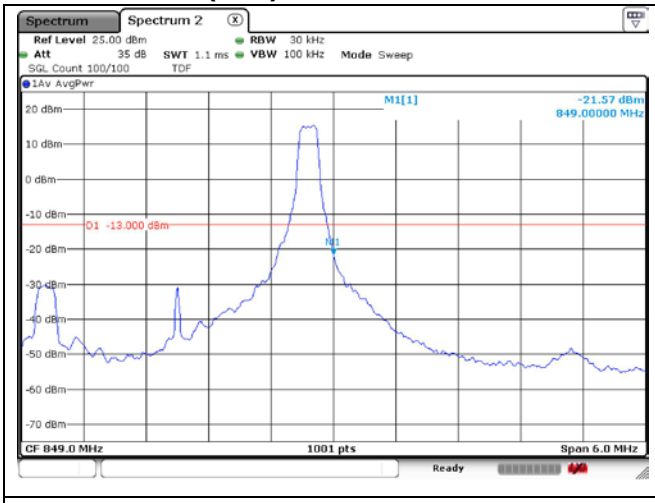


QPSK Low Channel - Full RB

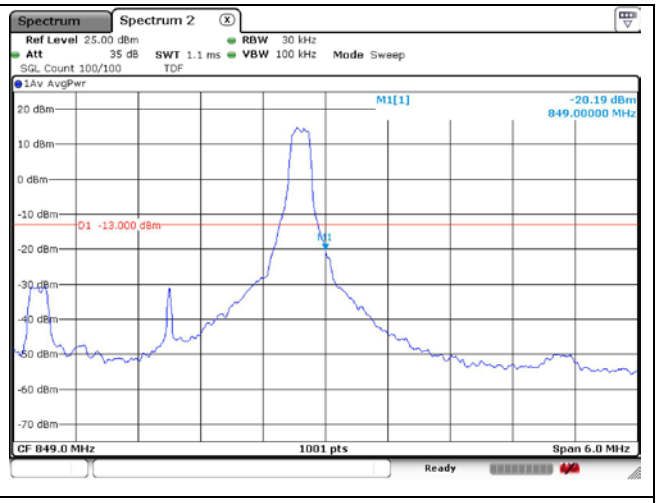


16QAM Low Channel - Full RB

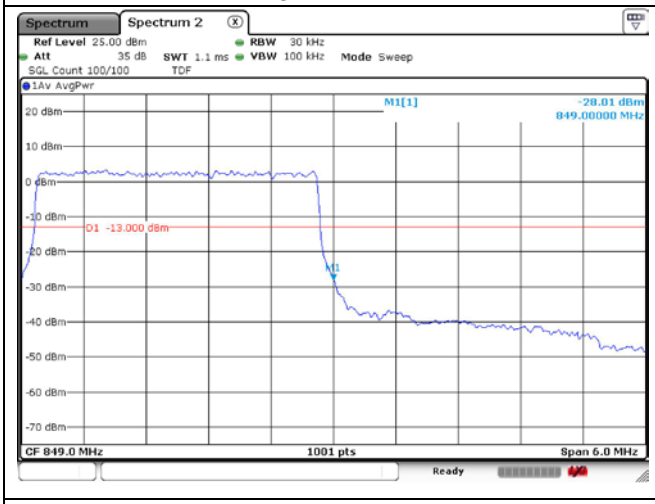
LTE band 26/5 (3 ㎒)



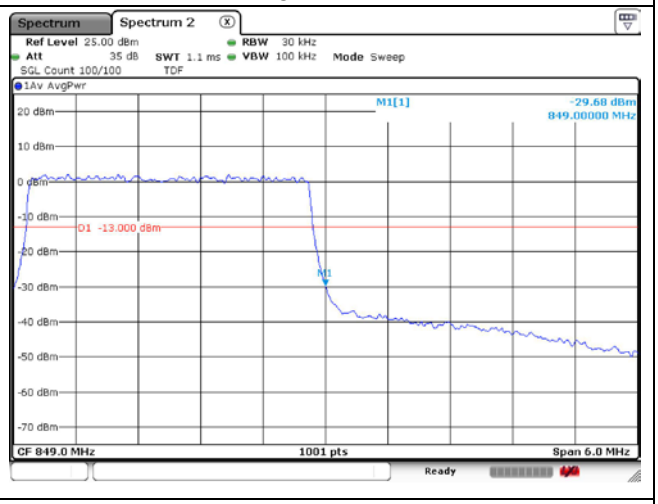
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

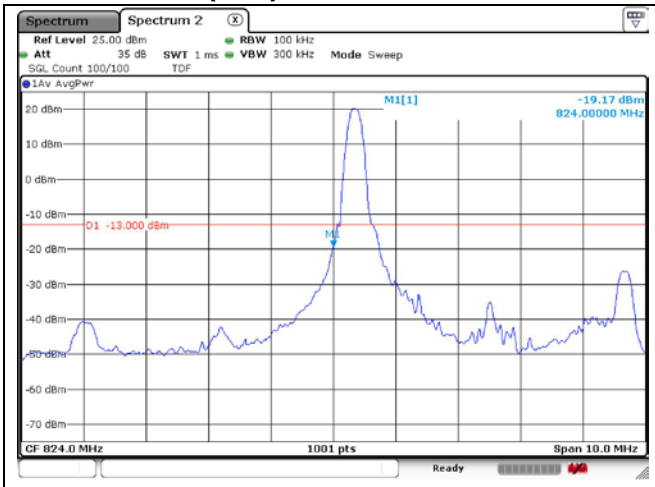


QPSK High Channel - Full RB

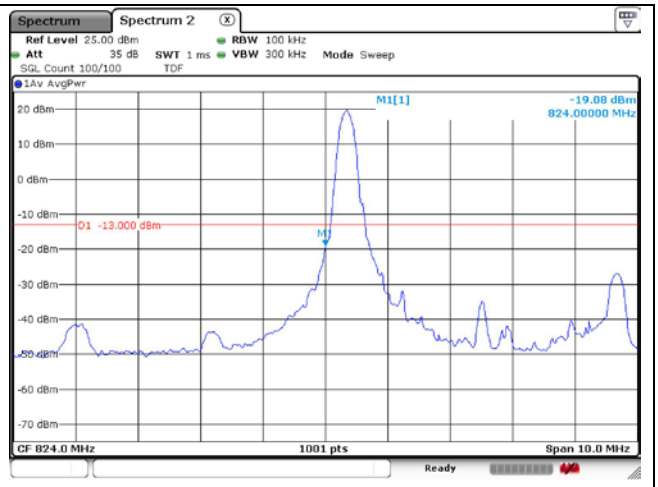


16QAM High Channel - Full RB

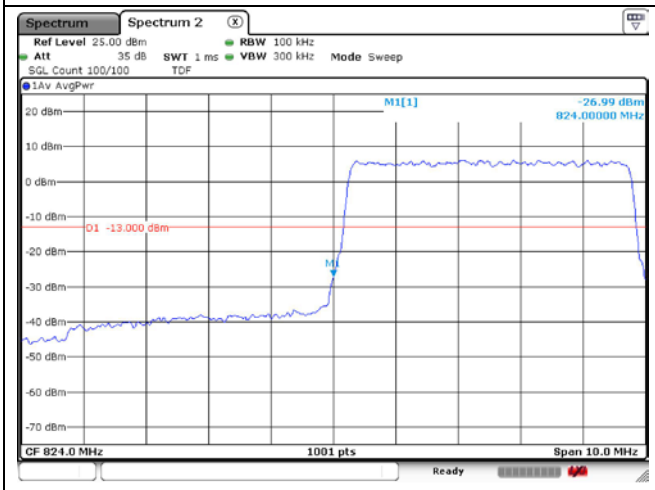
LTE band 26/5 (5 ㎒)



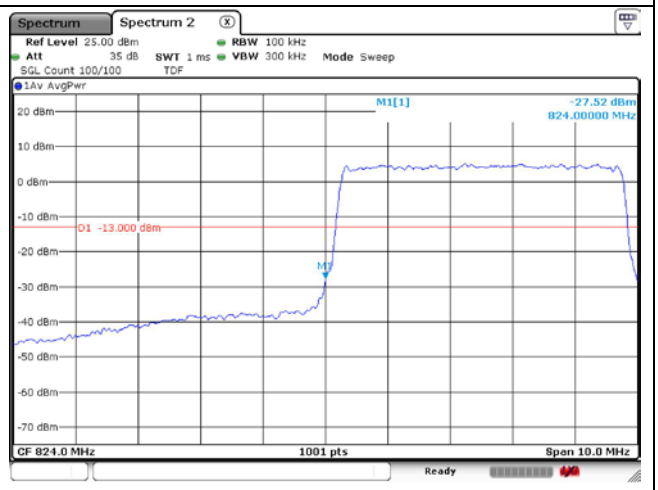
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

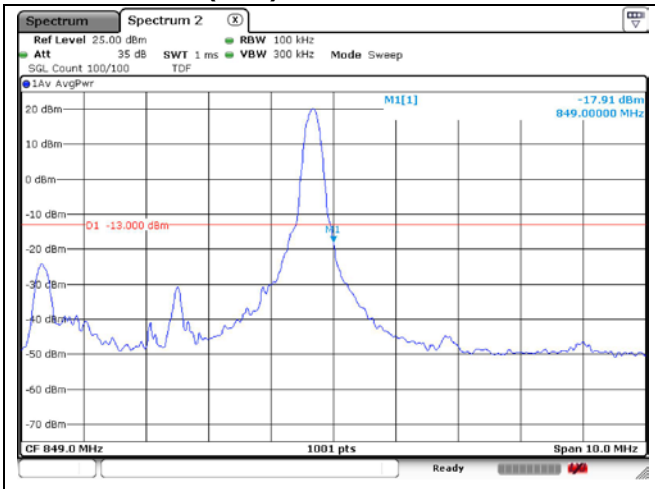


QPSK Low Channel - Full RB

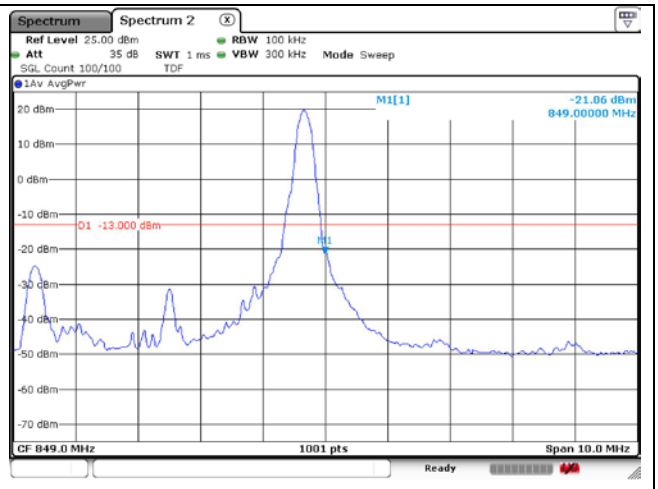


16QAM Low Channel - Full RB

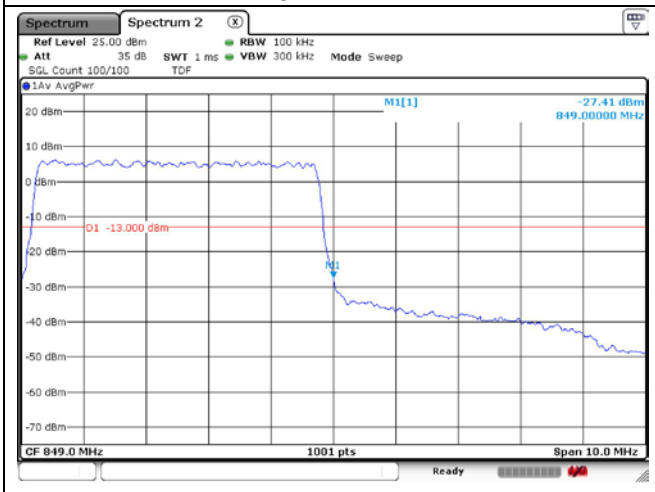
LTE band 26/5 (5 ㎒)



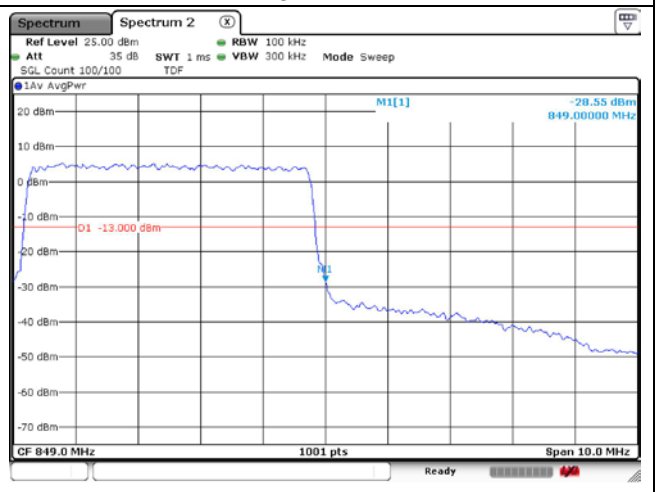
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

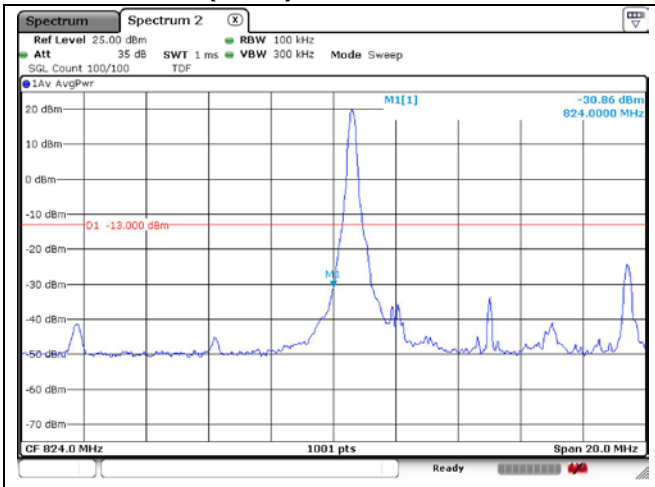


QPSK High Channel - Full RB

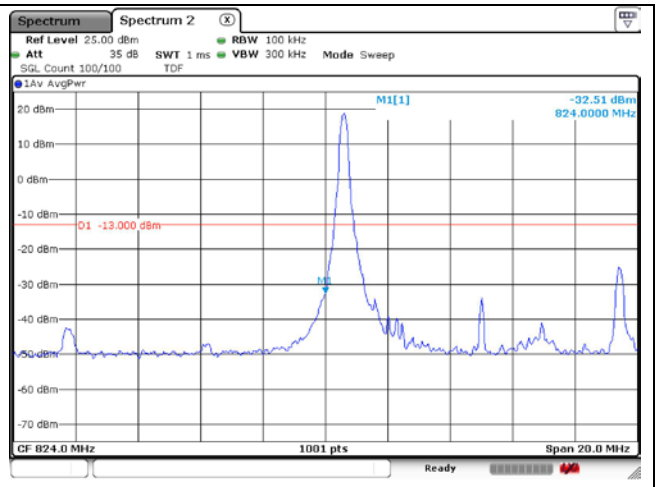


16QAM High Channel - Full RB

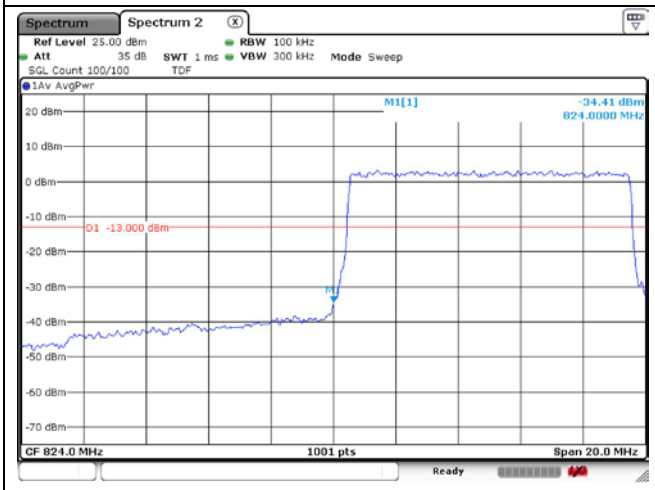
LTE band 26/5 (10 ㎒)



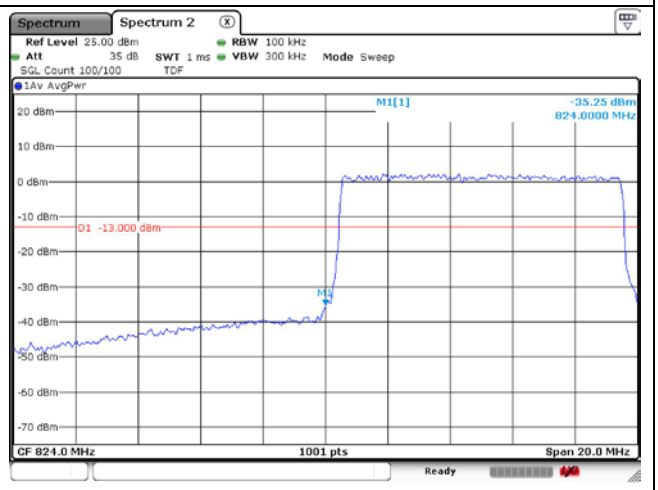
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

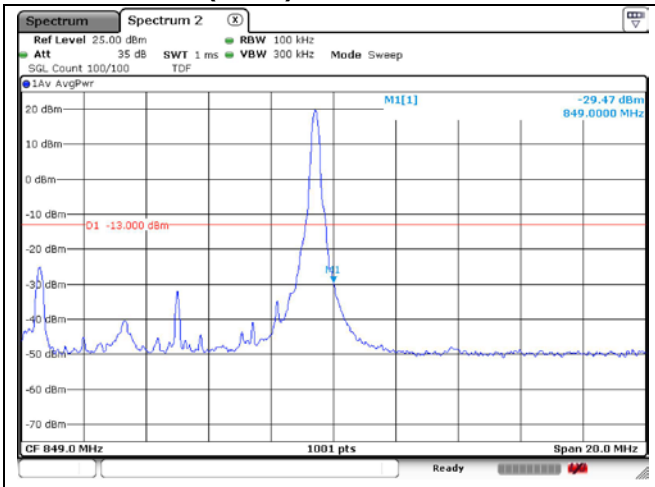


QPSK Low Channel - Full RB

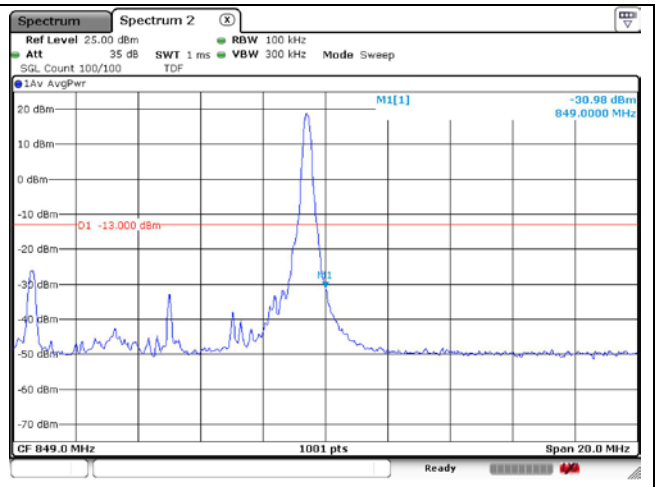


16QAM Low Channel - Full RB

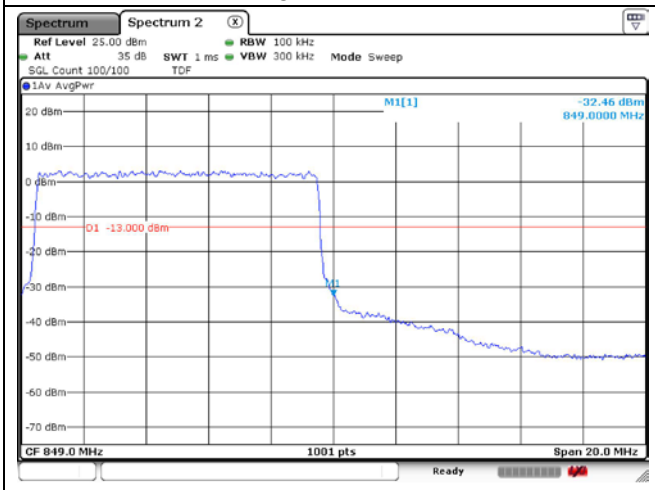
LTE band 26/5 (10 ㎒)



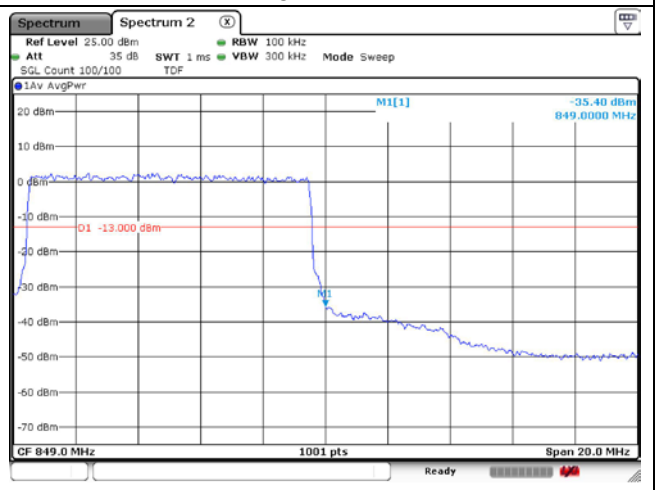
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB

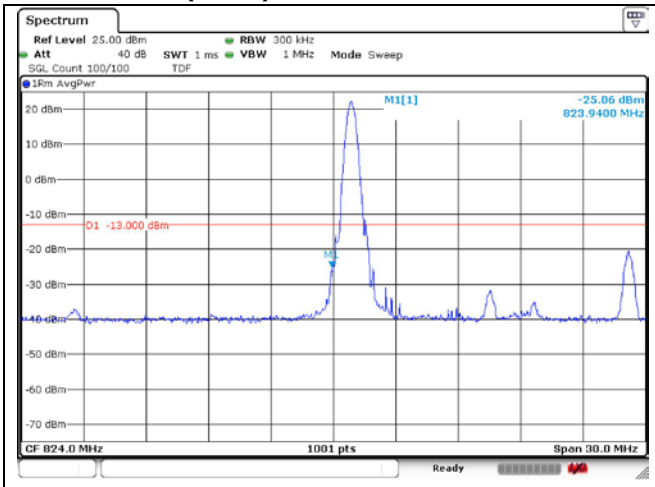


QPSK High Channel - Full RB

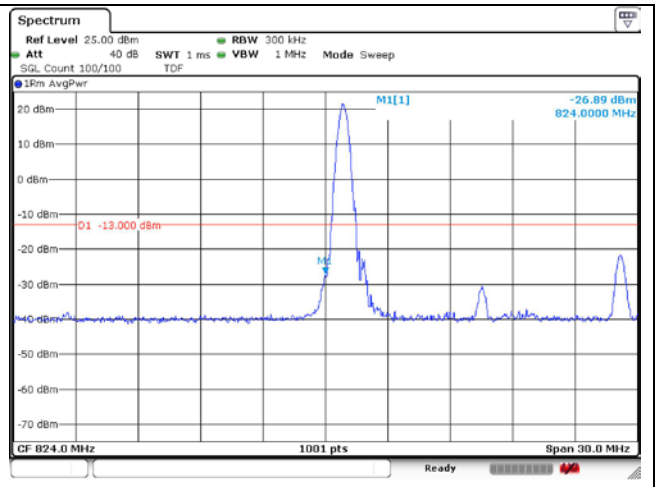


16QAM High Channel - Full RB

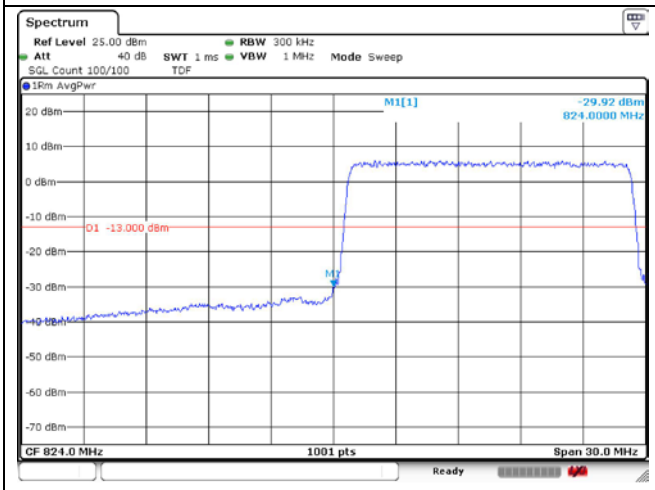
LTE band 26 (15 ㎒)



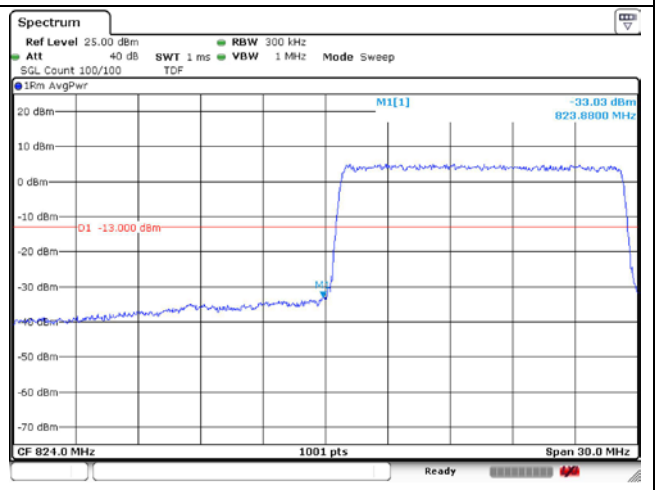
QPSK Low Channel - 1 RB



16QAM Low Channel - 1 RB

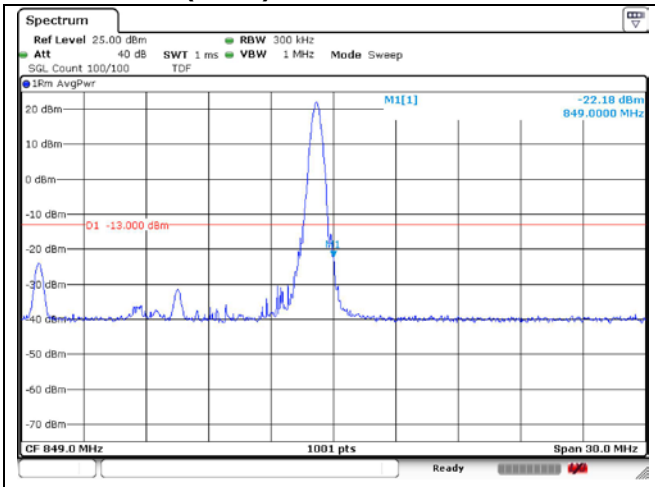


QPSK Low Channel - Full RB

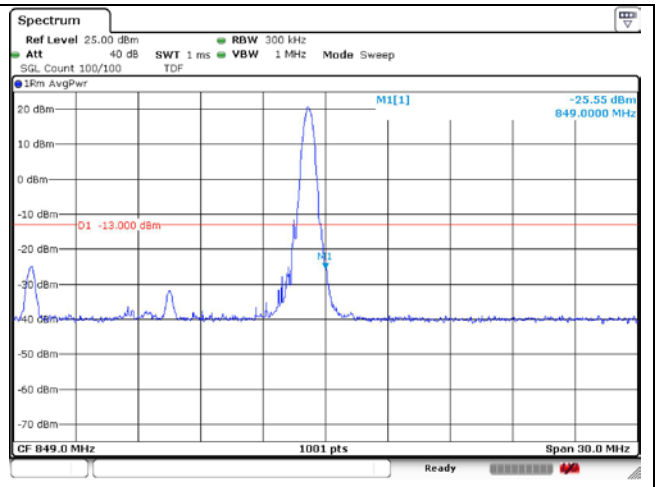


16QAM Low Channel - Full RB

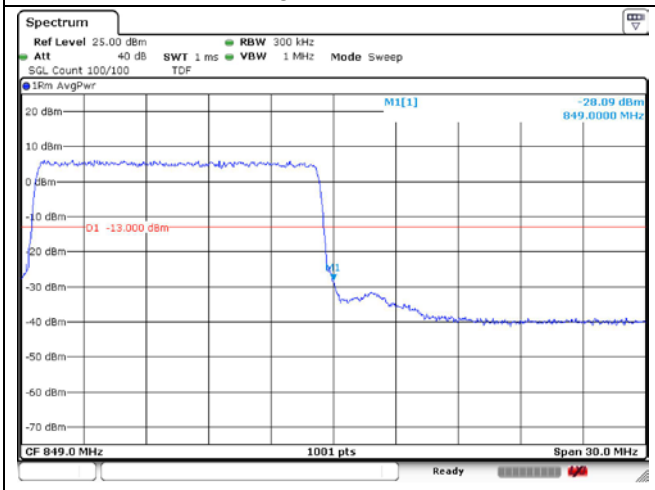
LTE band 26 (15 ㎒)



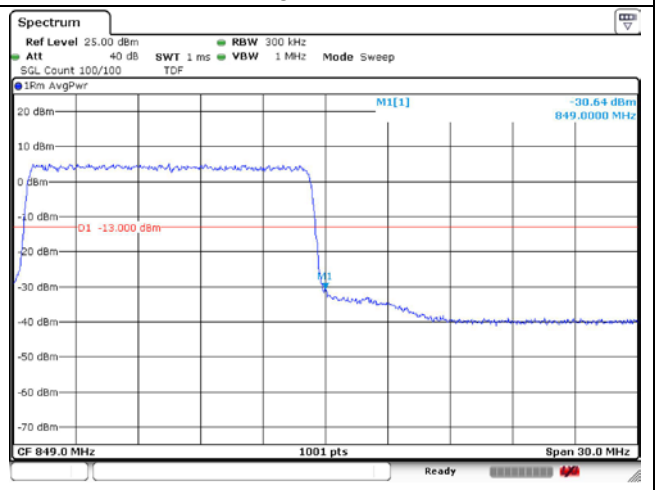
QPSK High Channel - 1 RB



16QAM High Channel - 1 RB



QPSK High Channel - Full RB



16QAM High Channel - Full RB

8. Frequency Stability

8.1. Limit

FCC
- § 2.1055 (a), § 2.1055 (d) & following:

- §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table of this section.
For Mobile devices operating in the 824 to 849 ㎒ band at a power level less than or equal to 3 Watts, the limit specified in Table C-1 is +/- 2.5 ppm.

- §24.235, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

- §27.54, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

IC
- RSS-Gen Issue 5
6.11, for licensed devices, the following measurement conditions apply:
a. at the temperatures of -30°C (-22°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage

- RSS-130 Issue 2
4.5, the transmitter frequency stability limit shall be determined as follows:

For equipment that is capable of transmitting numerous channels simultaneously for different applications (e.g. LTE and narrowband – internet of things (IoT)), the occupied bandwidth shall be the bandwidth representing the sum of the occupied bandwidths of these channels.

The frequency stability shall be sufficient to ensure that the occupied bandwidth remains within each frequency block range when tested at the temperature and supply voltage variations specified in RSS-Gen.

- RSS-132 Issue 3
5.3, the carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations and ±1.5 ppm for base stations.

- RSS-133 Issue 6
6.3, the carrier frequency shall not depart from the reference frequency, in excess of ±2.5 ppm for mobile stations and ±1.0 ppm for base stations.

- RSS-139 Issue 3
6.4, the frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block when tested to the temperature and supply voltage variations specified in RSS-Gen.