

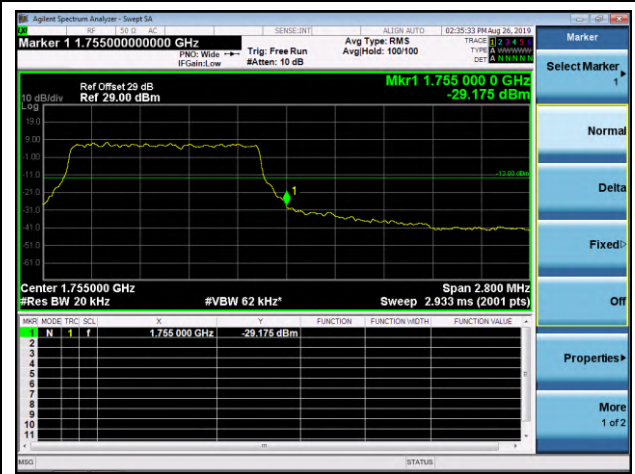
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Low CH

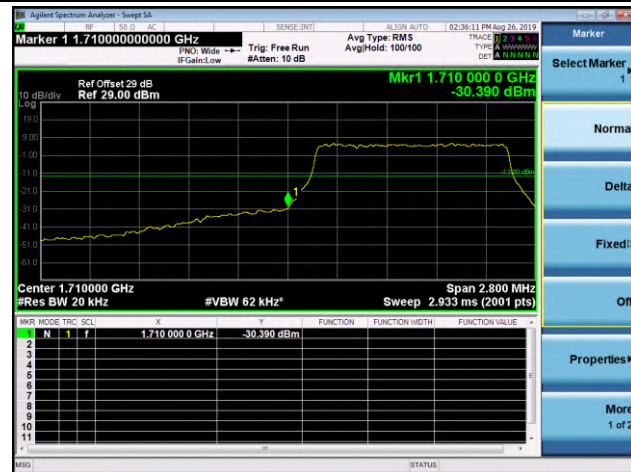


High. CH

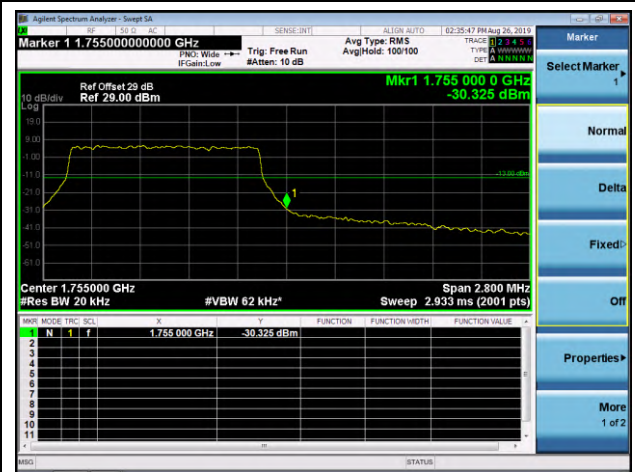


LTE Band 4 / 1.4MHz / 16QAM

Low CH



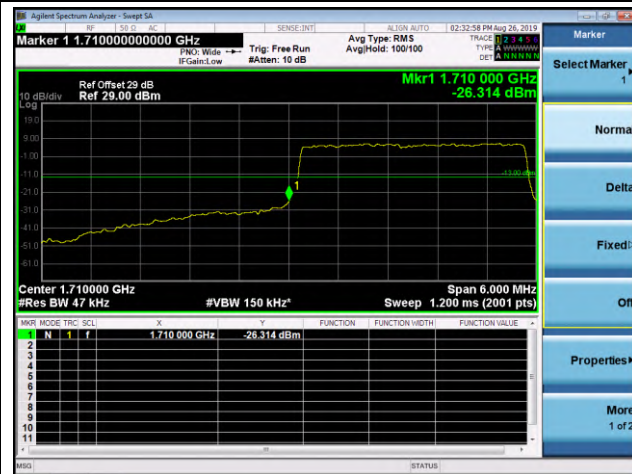
High. CH



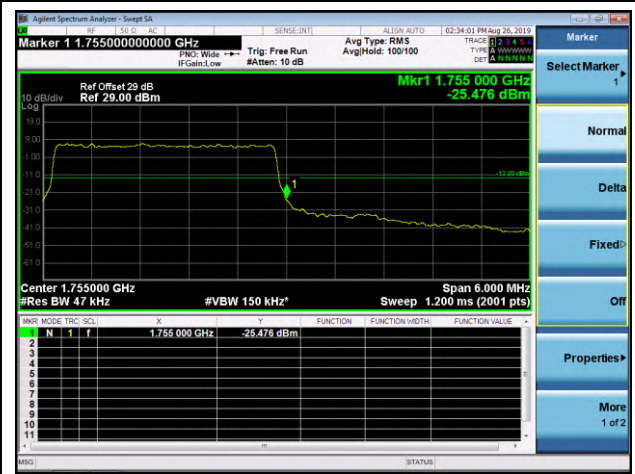
Conducted Band Edge

LTE Band 4 / 3MHz / QPSK

Low CH



High. CH

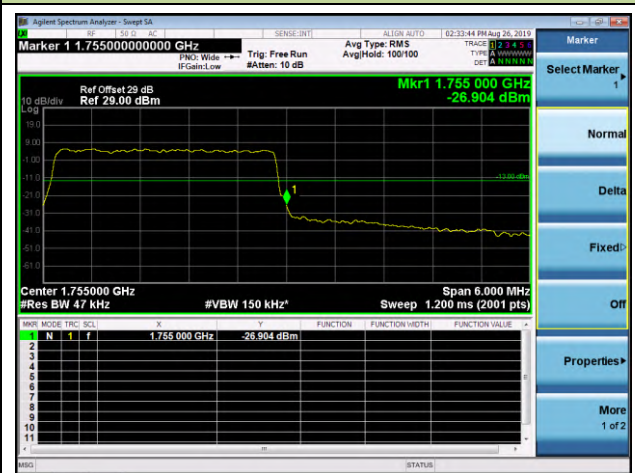


LTE Band 4 / 3MHz / 16QAM

Low CH



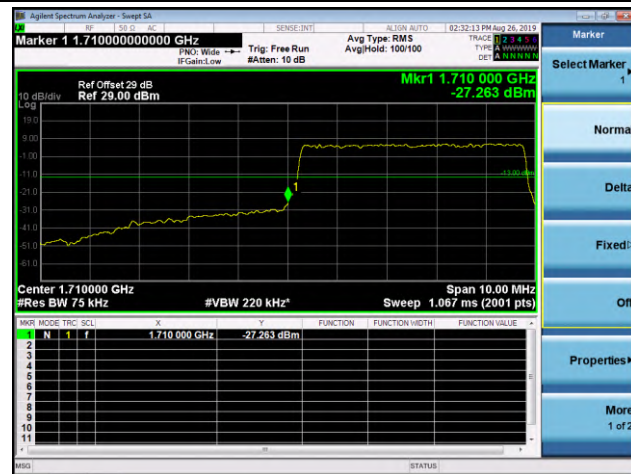
High. CH



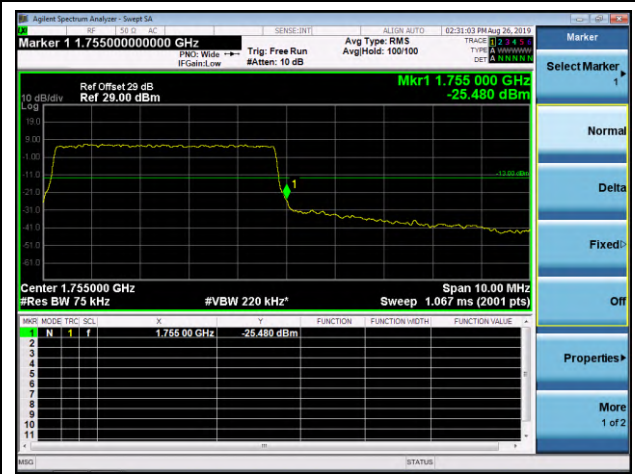
Conducted Band Edge

LTE Band 4 / 5MHz / QPSK

Low CH

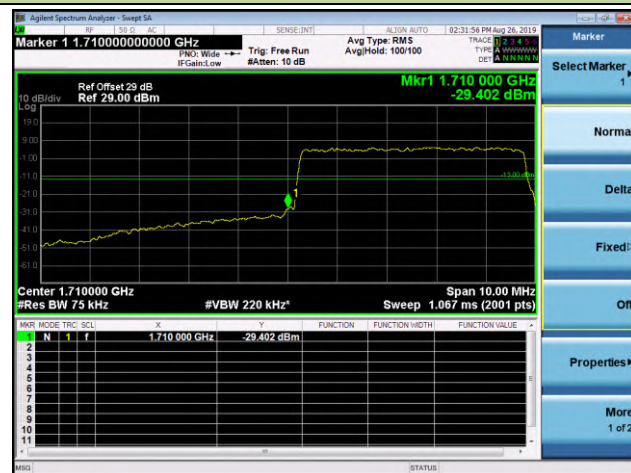


High. CH

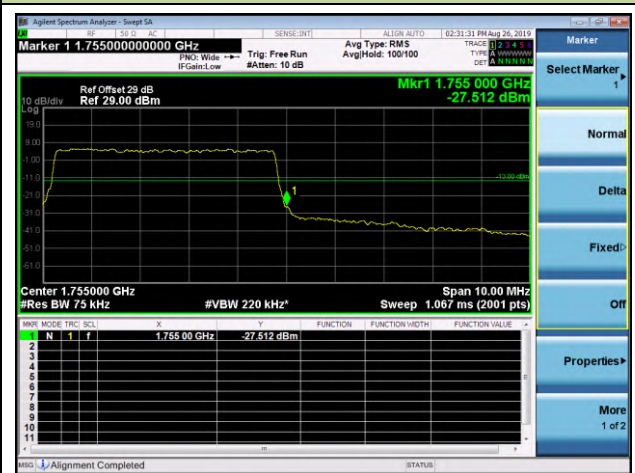


LTE Band 4 / 5MHz / 16QAM

Low CH



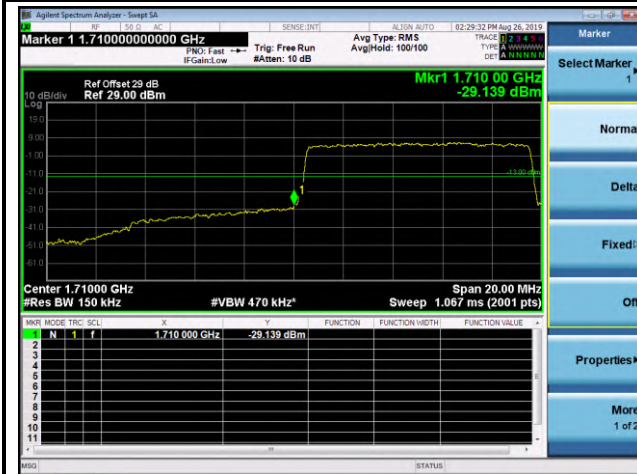
High. CH



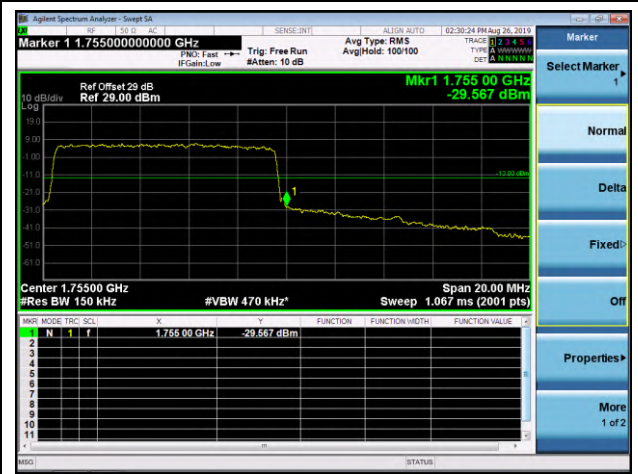
Conducted Band Edge

LTE Band 4 / 10MHz / QPSK

Low CH

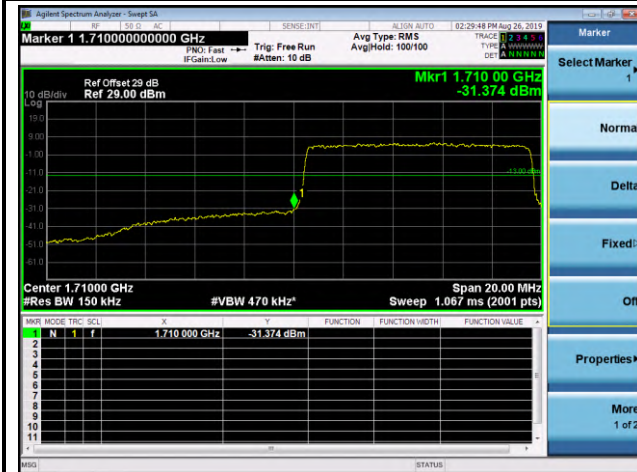


High. CH

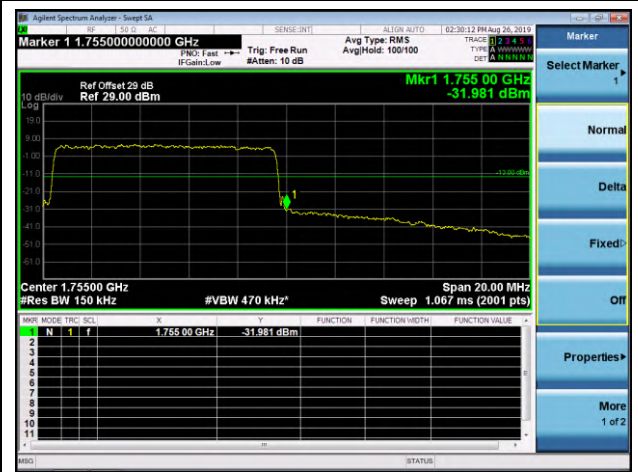


LTE Band 4 / 10MHz / 16QAM

Low CH



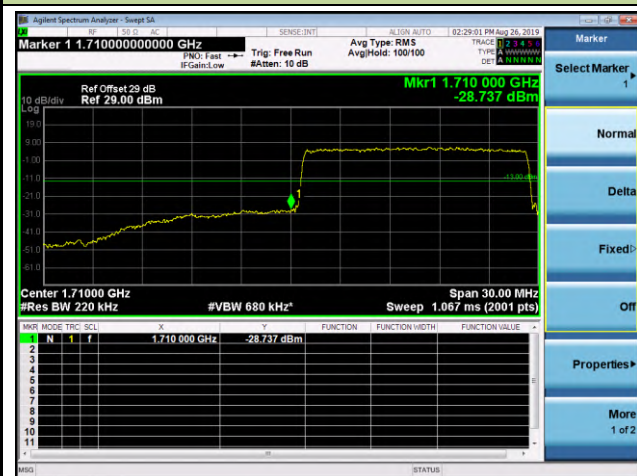
High. CH



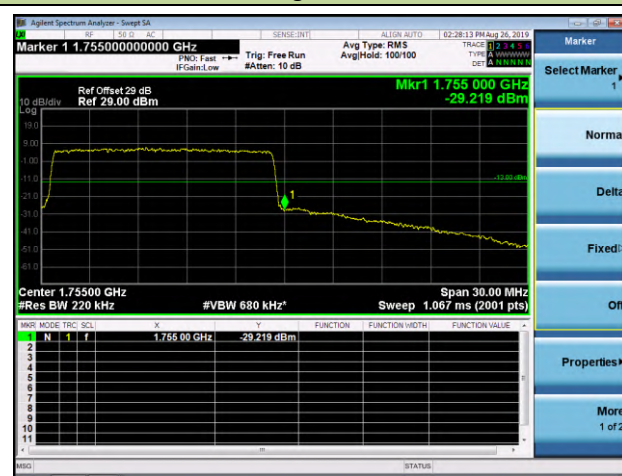
Conducted Band Edge

LTE Band 4 / 15MHz / QPSK

Low CH

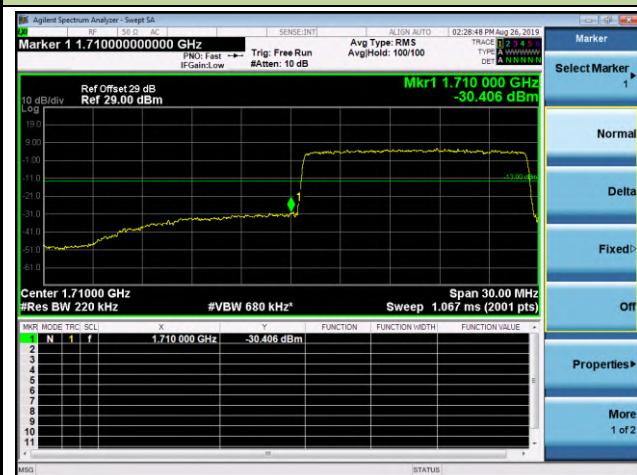


High. CH

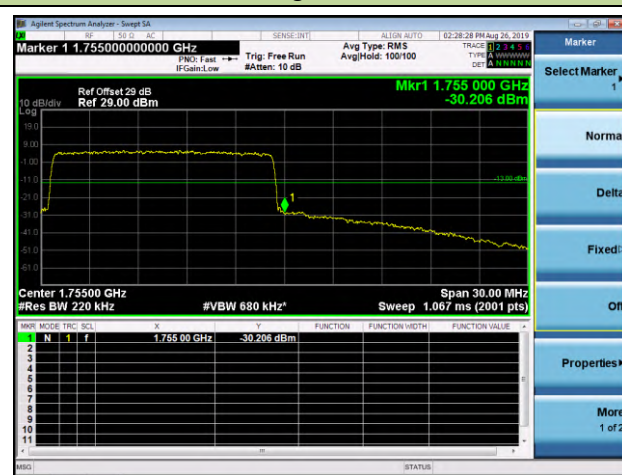


LTE Band 4 / 15MHz / 16QAM

Low CH

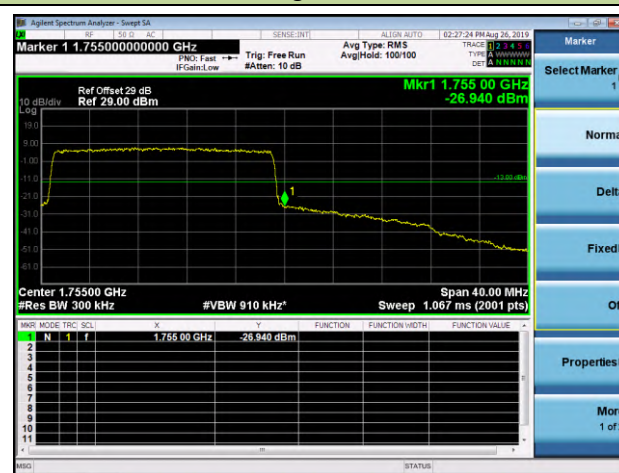


High. CH

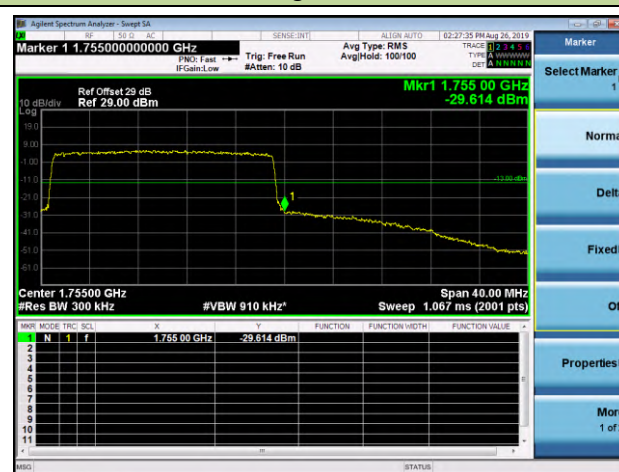


LTE Band 4 / 20MHz / QPSK

High. CH



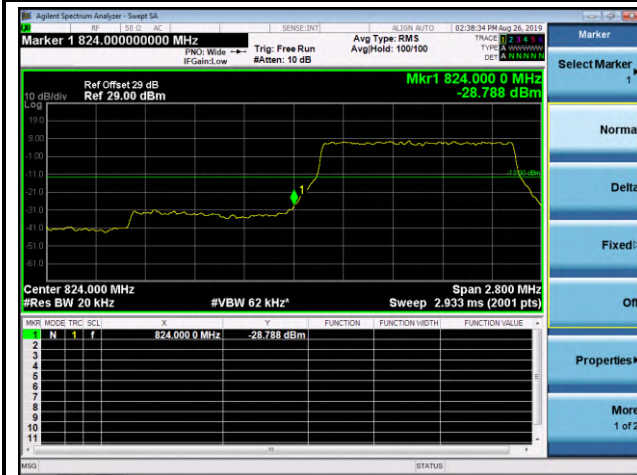
High. CH



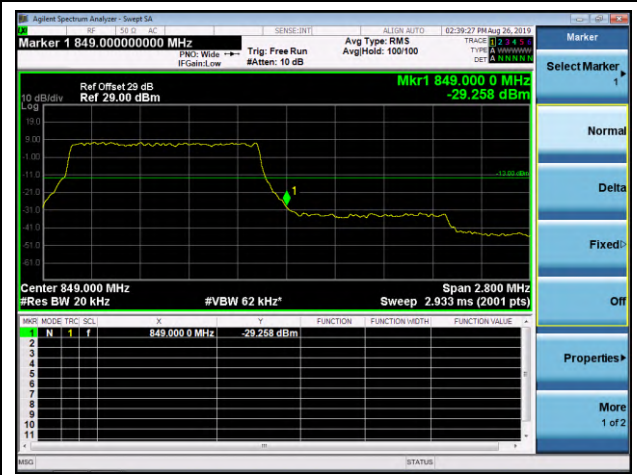
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Low CH

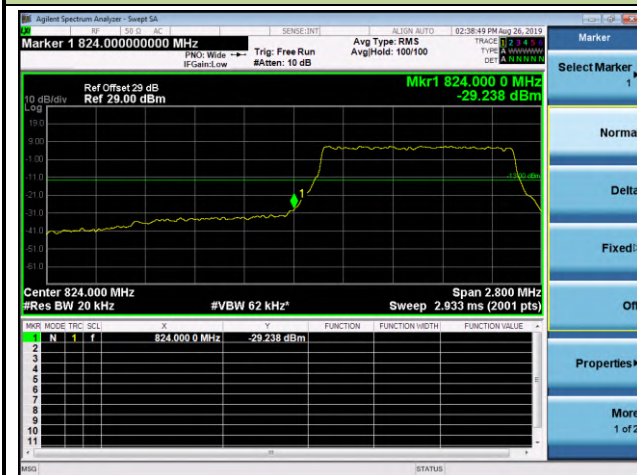


High. CH

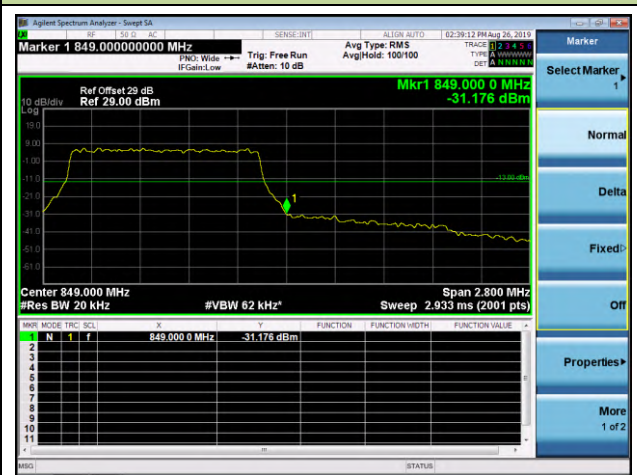


LTE Band 5 / 1.4MHz / 16QAM

Low CH



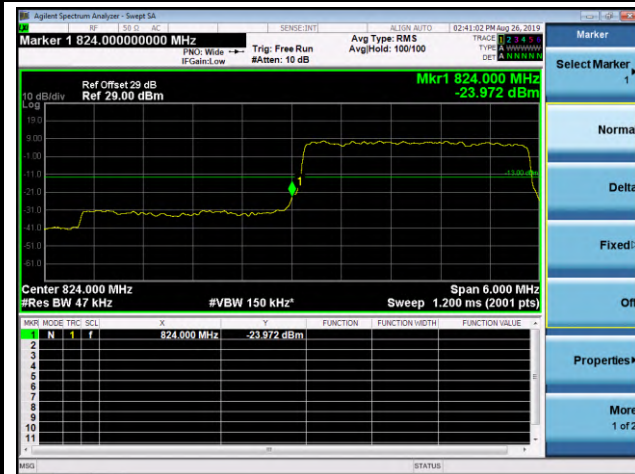
High. CH



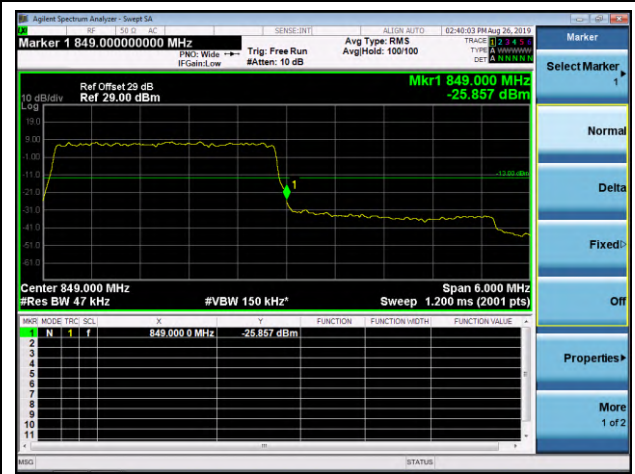
Conducted Band Edge

LTE Band 5 / 3MHz / QPSK

Low CH

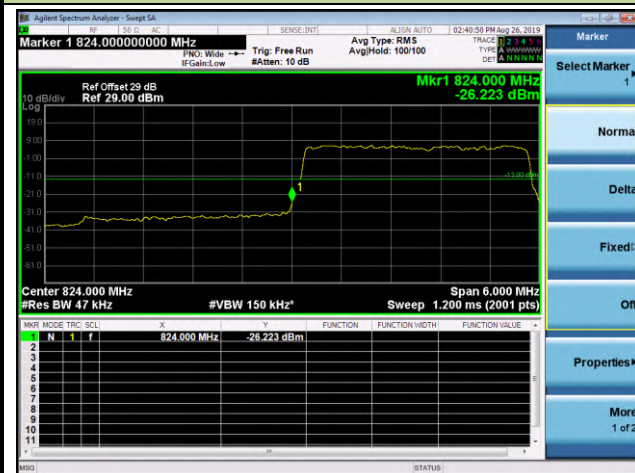


High. CH

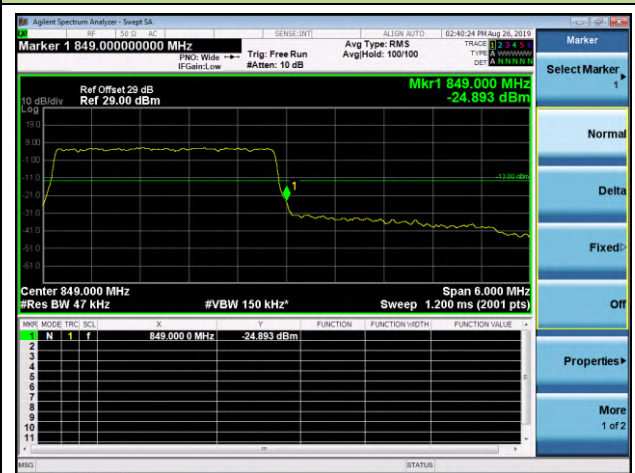


LTE Band 5 / 3MHz / 16QAM

Low CH



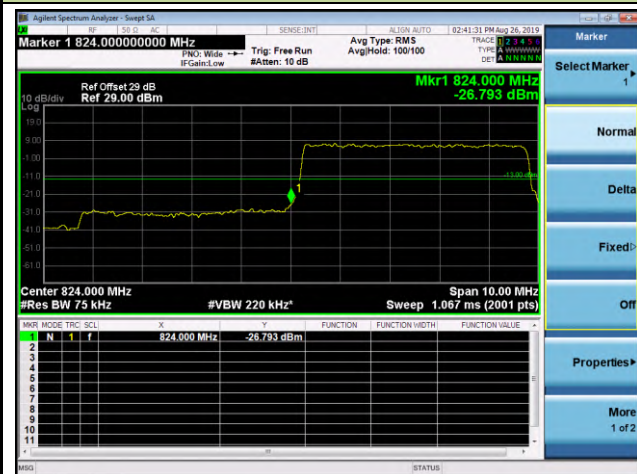
High. CH



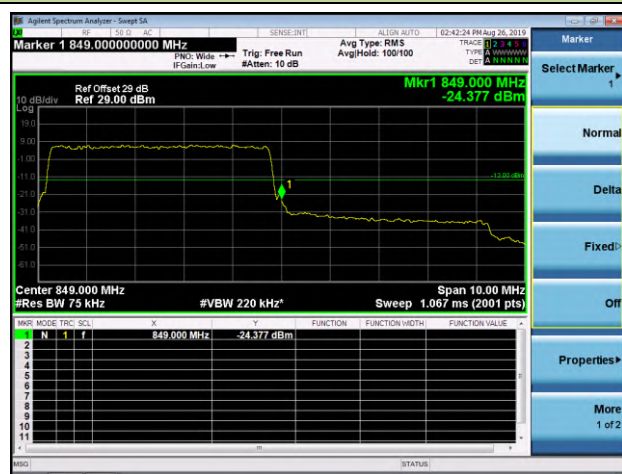
Conducted Band Edge

LTE Band 5 / 5MHz / QPSK

Low CH

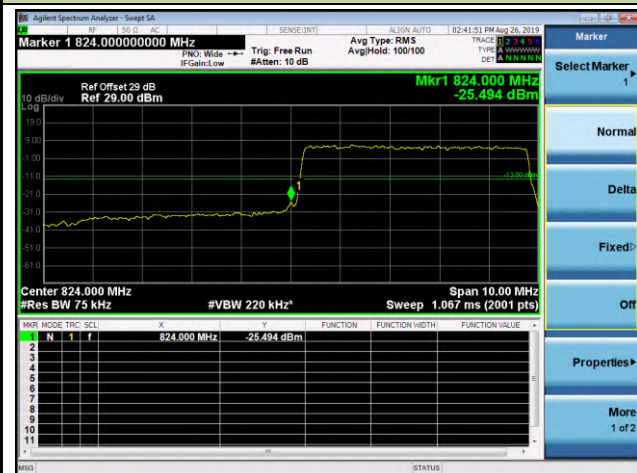


High. CH

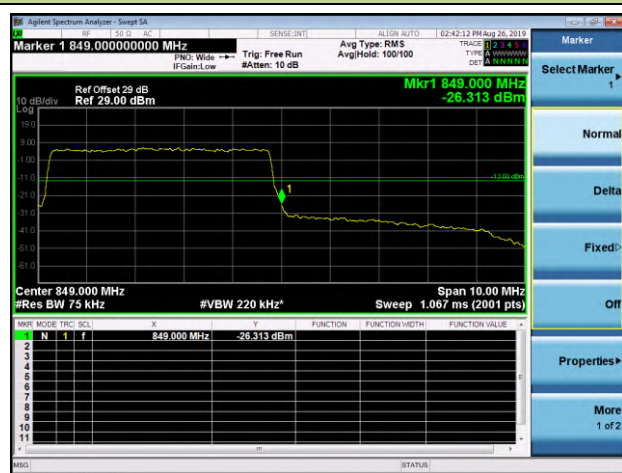


LTE Band 5 / 5MHz / 16QAM

Low CH



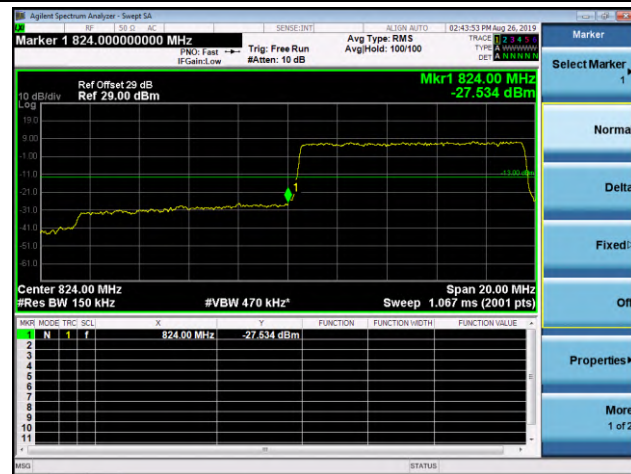
High. CH



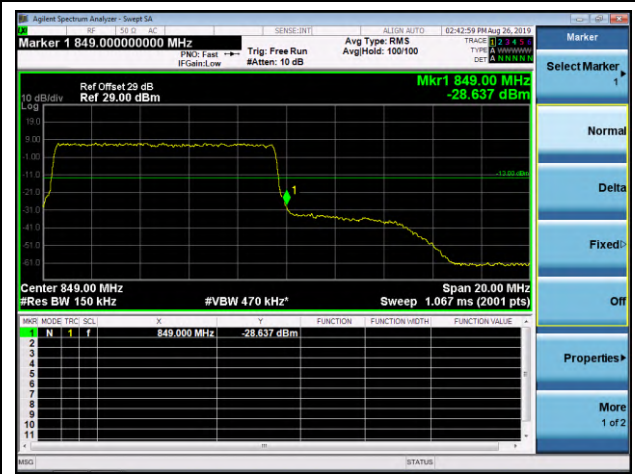
Conducted Band Edge

LTE Band 5 / 10MHz / QPSK

Low CH

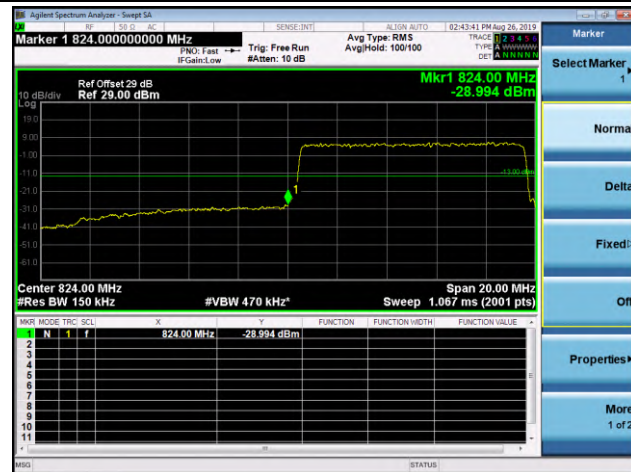


High. CH

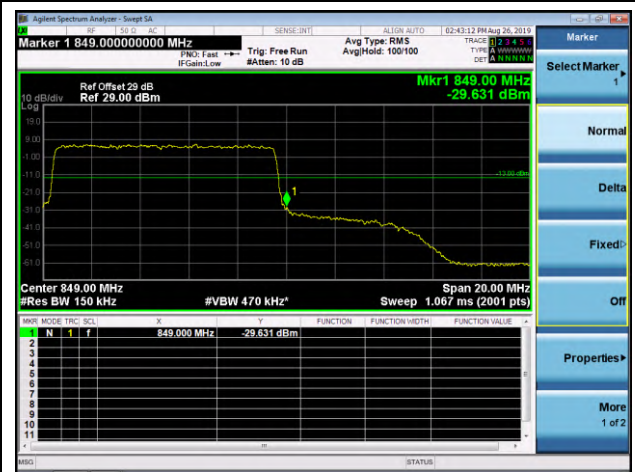


LTE Band 5 / 10MHz / 16QAM

Low CH



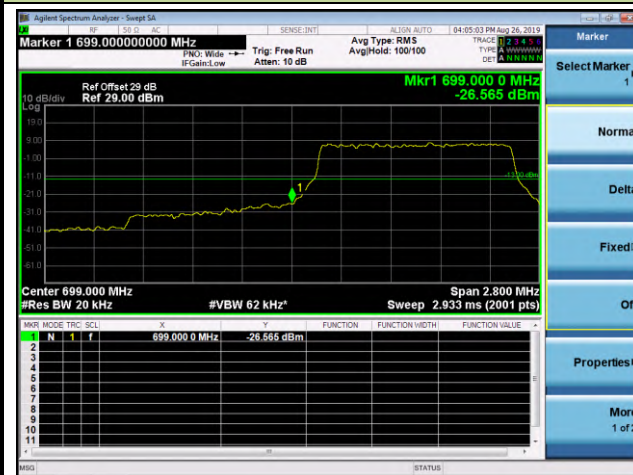
High. CH



Conducted Band Edge

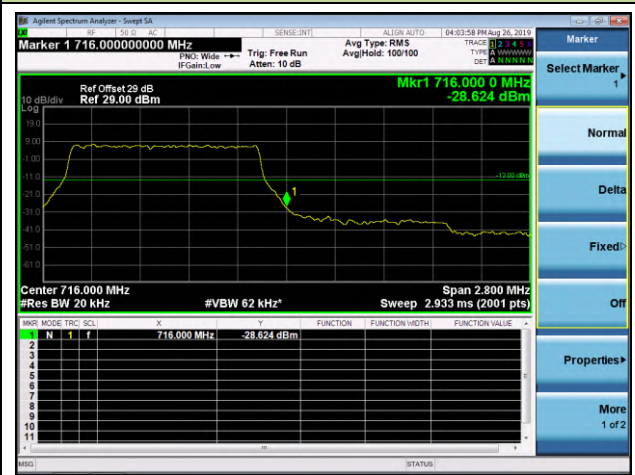
LTE Band 12 / 1.4MHz / QPSK

Low CH



Real value = -26.565 + Factor = -23.045dBm

High. CH



Real value = -28.624 + Factor = -25.104dBm

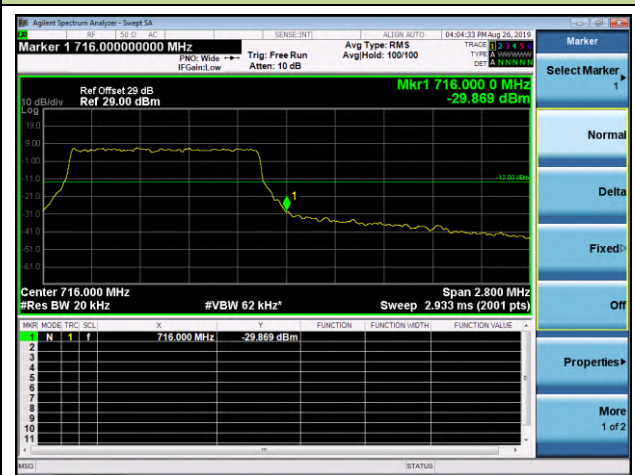
LTE Band 12 / 1.4MHz / 16QAM

Low CH



Real value = -26.861 + Factor = -23.345dBm

High. CH



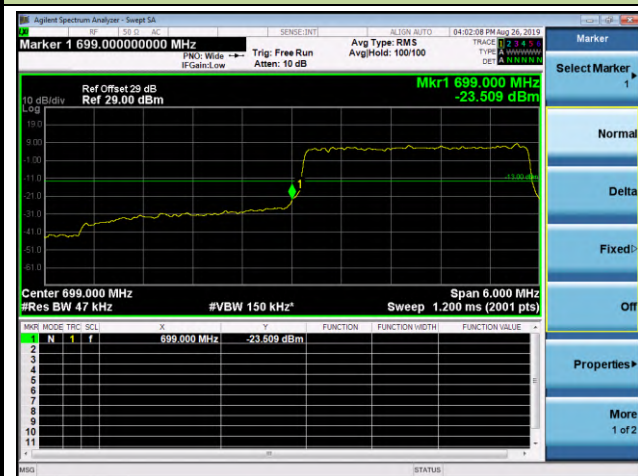
Real value = -29.869 + Factor = -26.349dBm

Note: Factor = $20 \cdot \log(30\text{KHz}/20\text{KHz}) = 3.52$

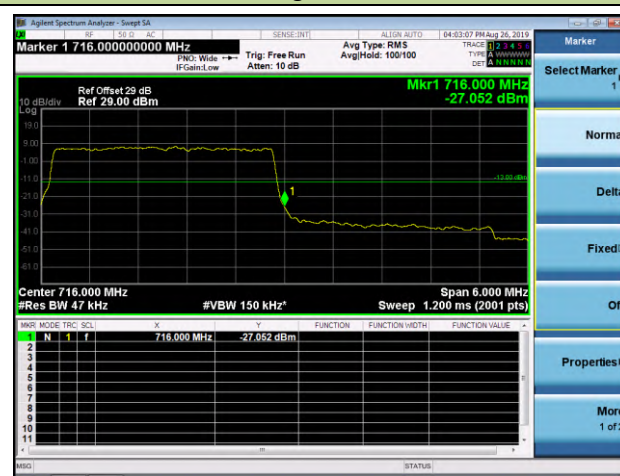
Conducted Band Edge

LTE Band 12 / 3MHz / QPSK

Low CH

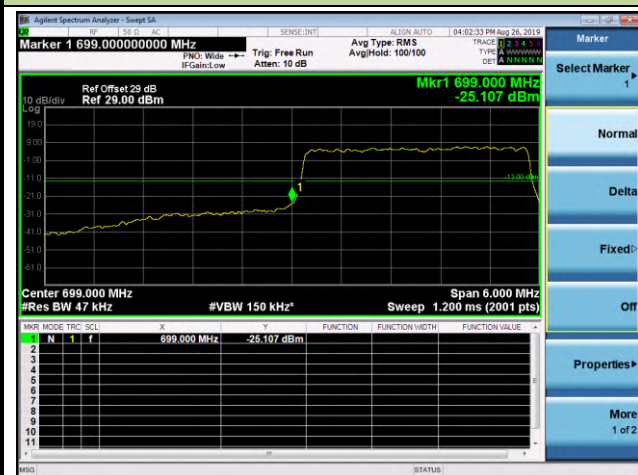


High. CH

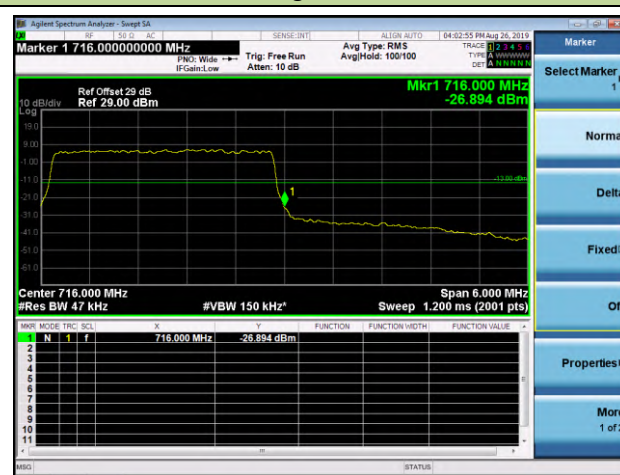


LTE Band 12 / 3MHz / 16QAM

Low CH



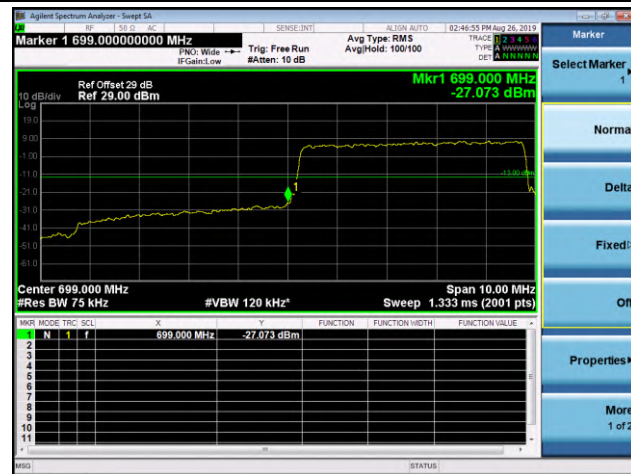
High. CH



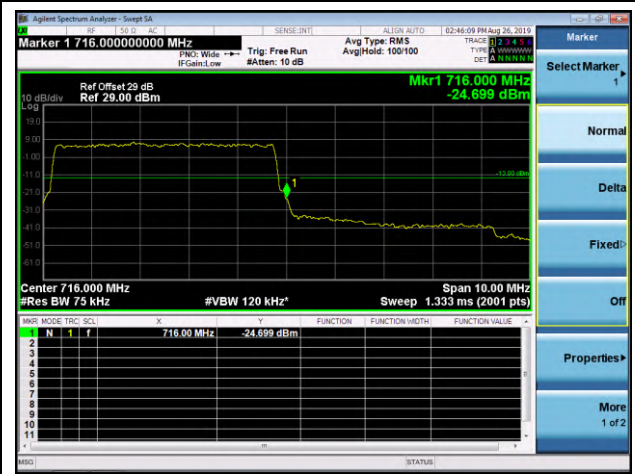
Conducted Band Edge

LTE Band 12 / 5MHz / QPSK

Low CH

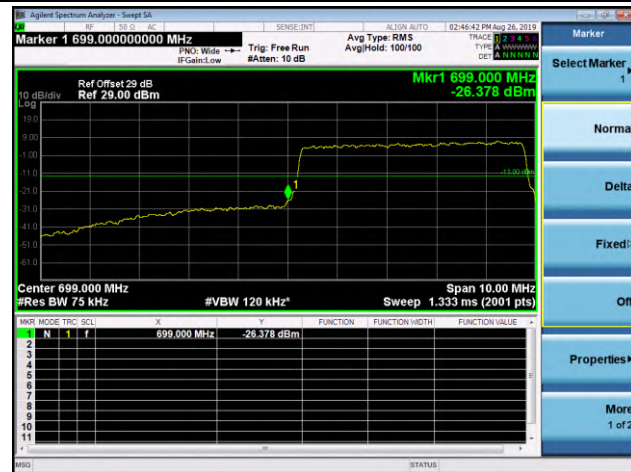


High. CH

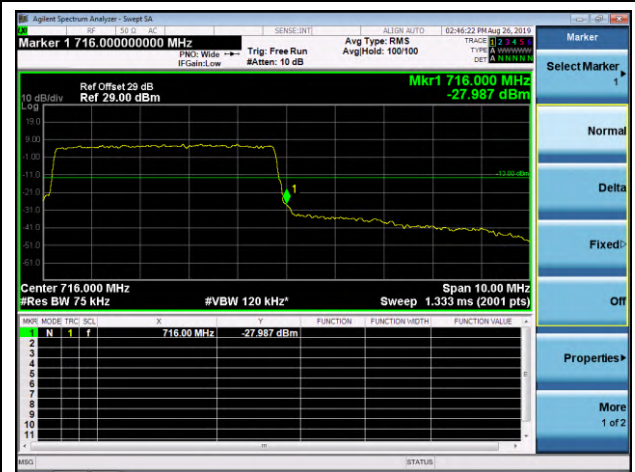


LTE Band 12 / 5MHz / 16QAM

Low CH



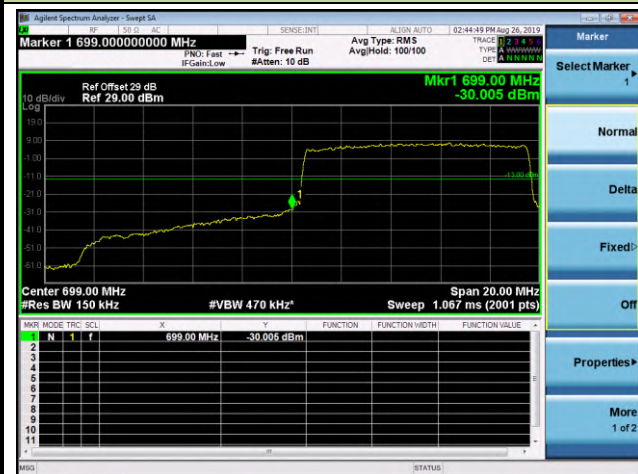
High. CH



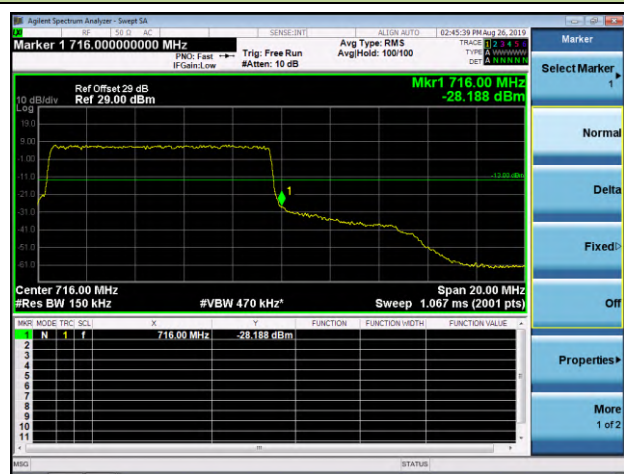
Conducted Band Edge

LTE Band 12 / 10MHz / QPSK

Low CH



High. CH

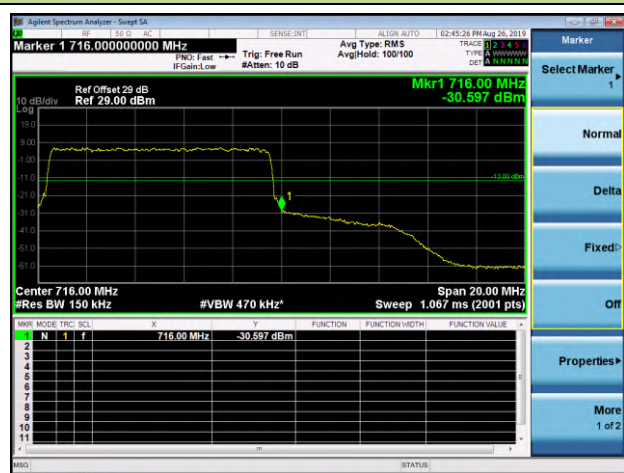


LTE Band 12 / 10MHz / 16QAM

Low CH



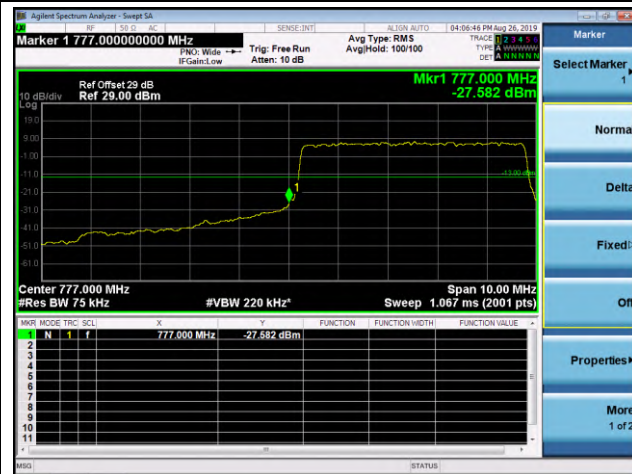
High. CH



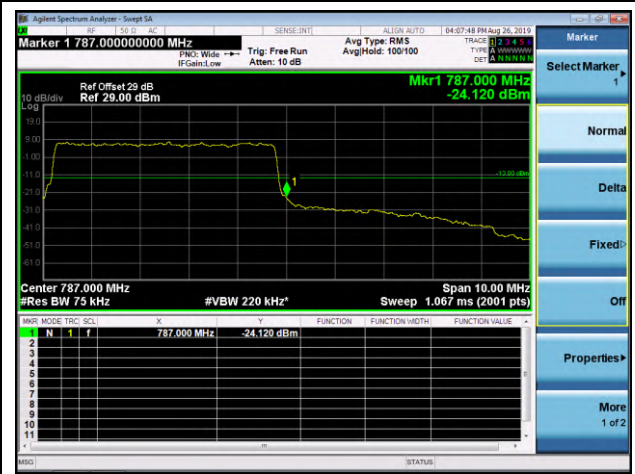
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Low CH

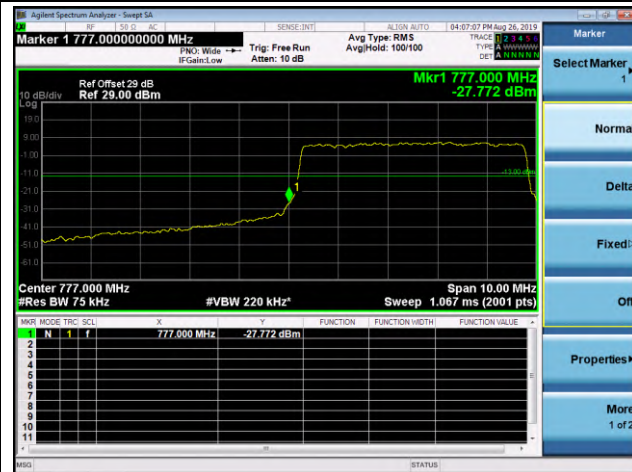


High. CH

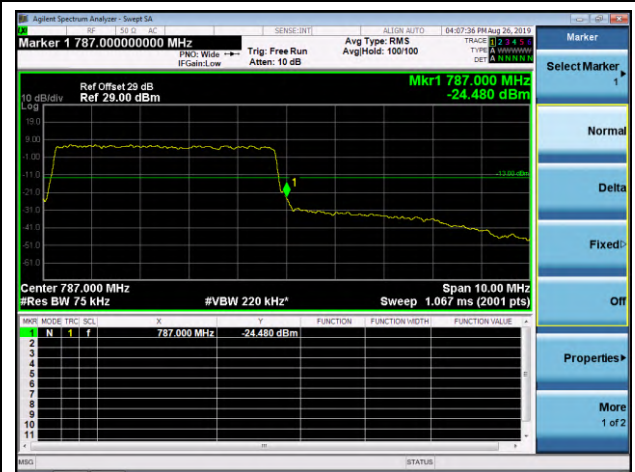


LTE Band 13 / 5MHz / 16QAM

Low CH

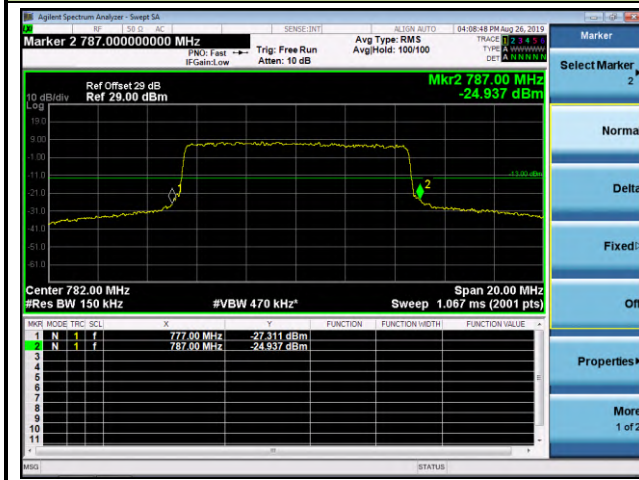


High. CH

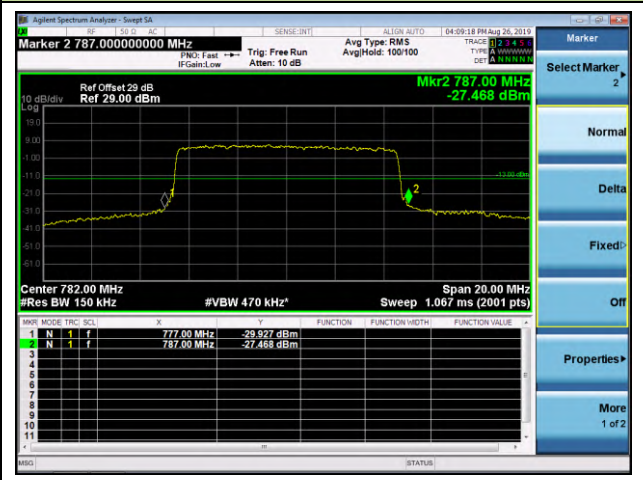


Conducted Band Edge

LTE Band 13 / 10MHz / QPSK



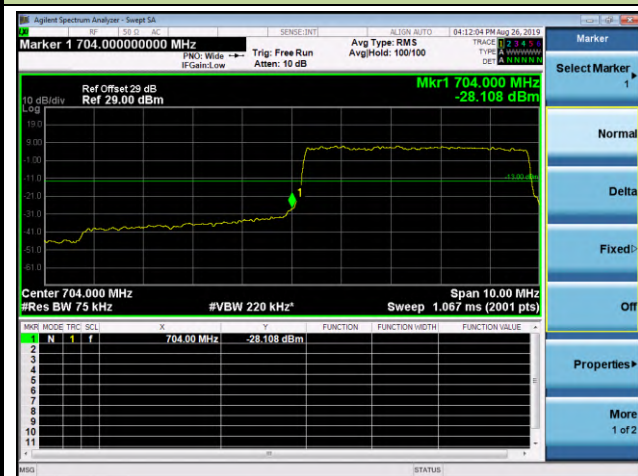
LTE Band 13 / 10MHz / 16QAM



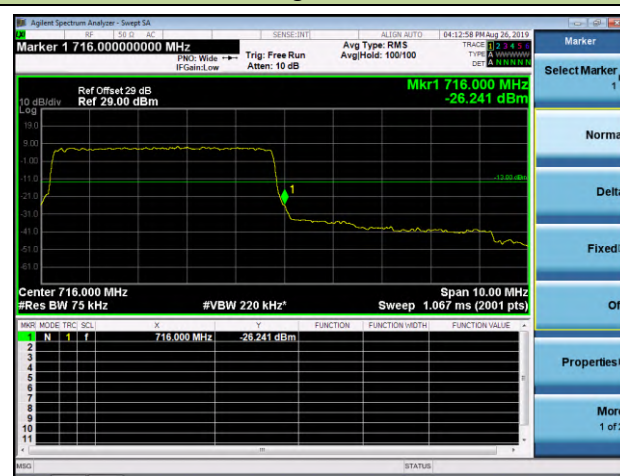
Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Low CH

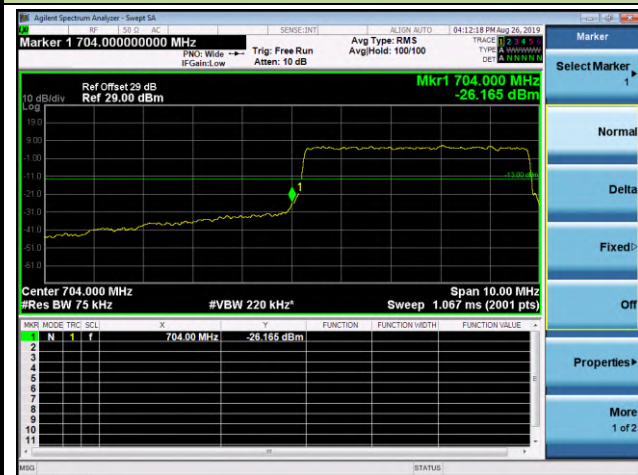


High. CH

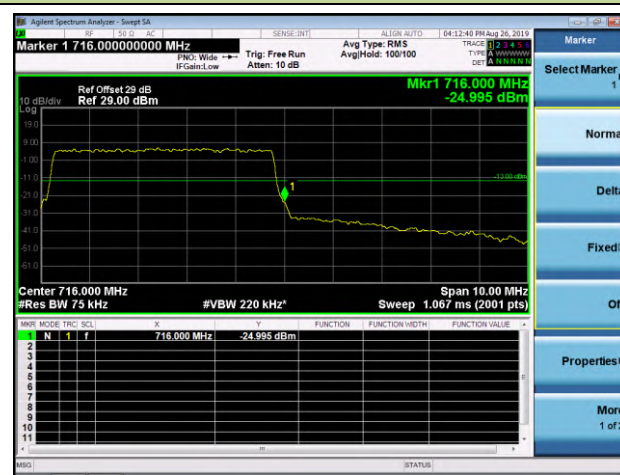


LTE Band 17 / 5MHz / 16QAM

Low CH



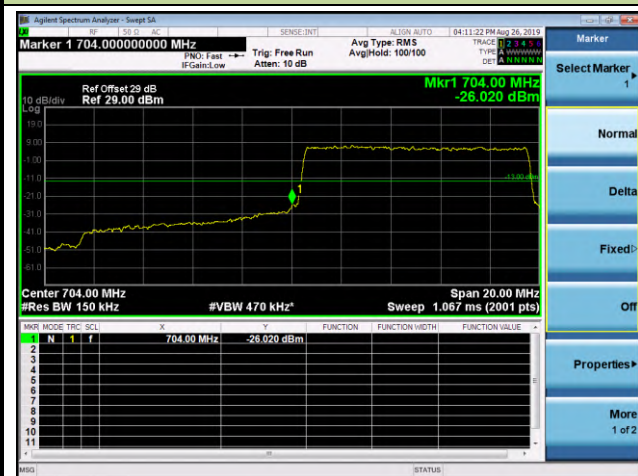
High. CH



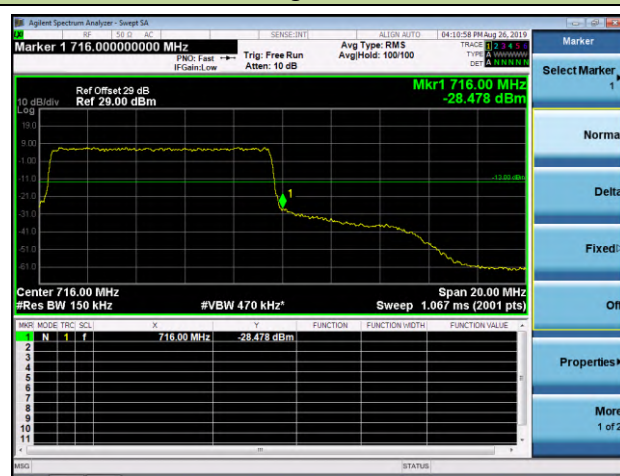
Conducted Band Edge

LTE Band 17 / 10MHz / QPSK

Low CH

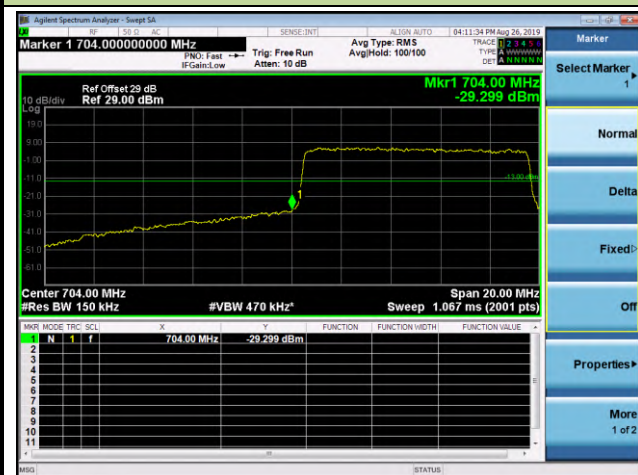


High. CH

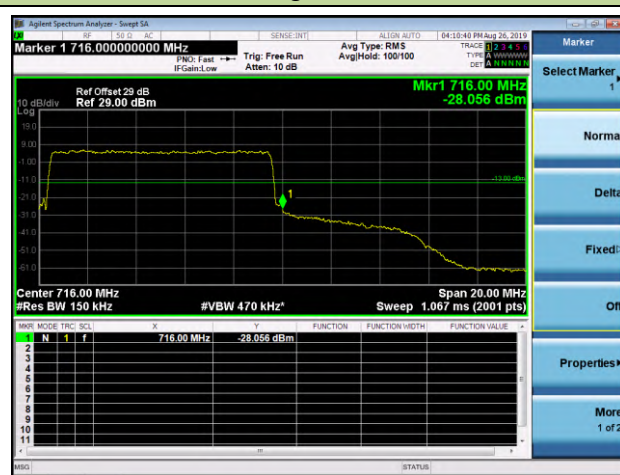


LTE Band 17 / 10MHz / 16QAM

Low CH



High. CH



7.4. Spurious and Harmonic Emissions at Antenna Terminal

7.4.1. Test Limit

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 $43 + 10 \cdot \log(P)$ dB.

7.4.2. Test Procedure Used

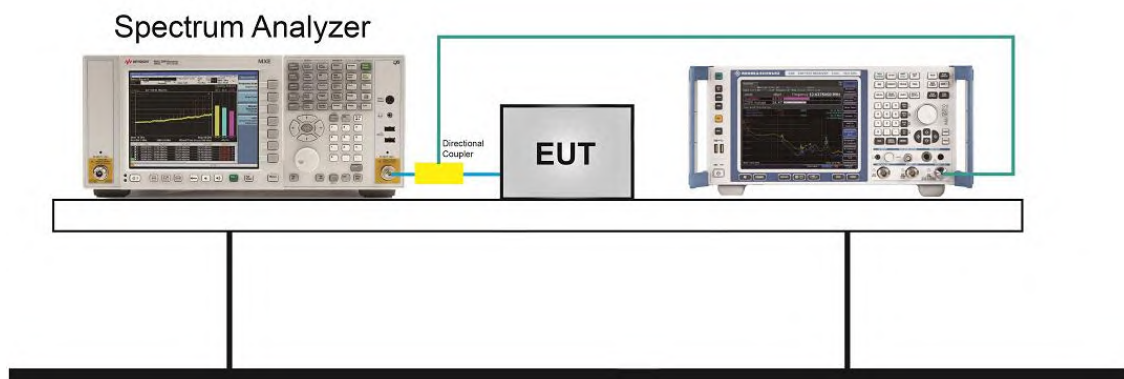
ANSI C63.26 - Section 5.7

7.4.3. Test Setting

1. Start frequency was set to 30MHz and stop frequency was set to 10GHz
2. RBW = 1MHz
3. VBW $\geq 3 \cdot$ RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. Sweep time = auto couple
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.

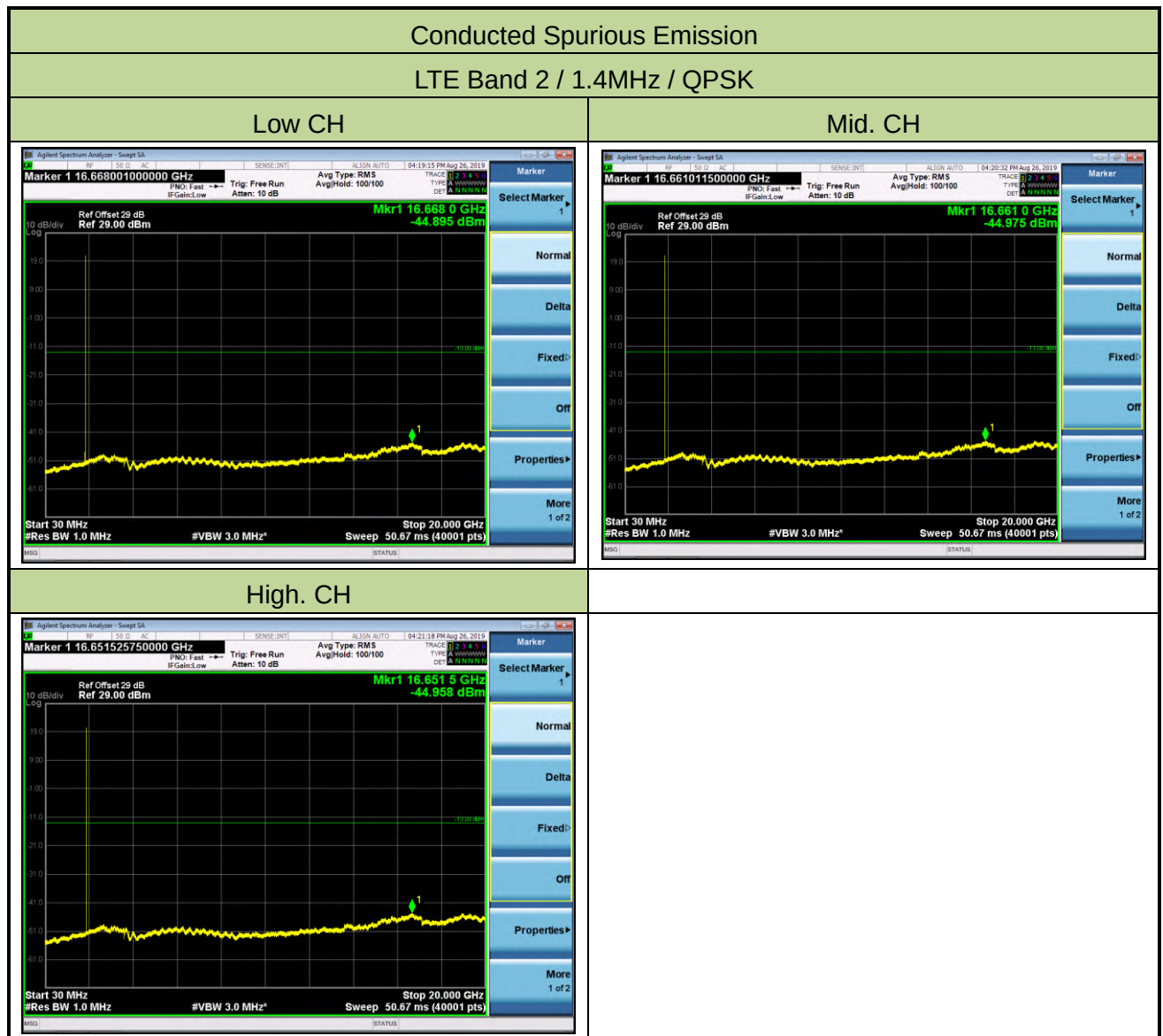
To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

7.4.4. Test Setup



7.4.5. Test Result

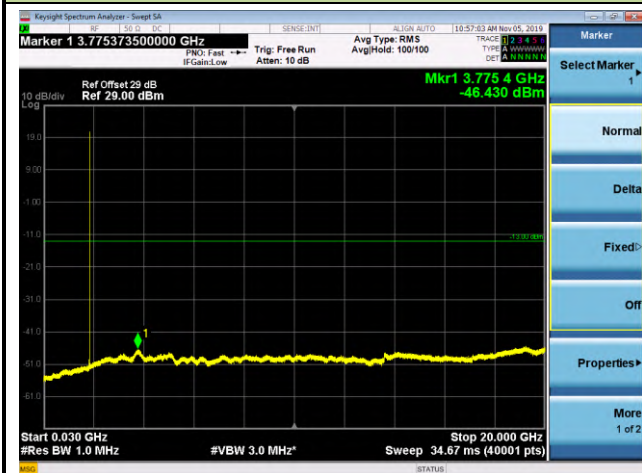
Product	Color Radio	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	52%
Test Site	TR3	Test Date	2019/08/26 ~ 2019/11/05



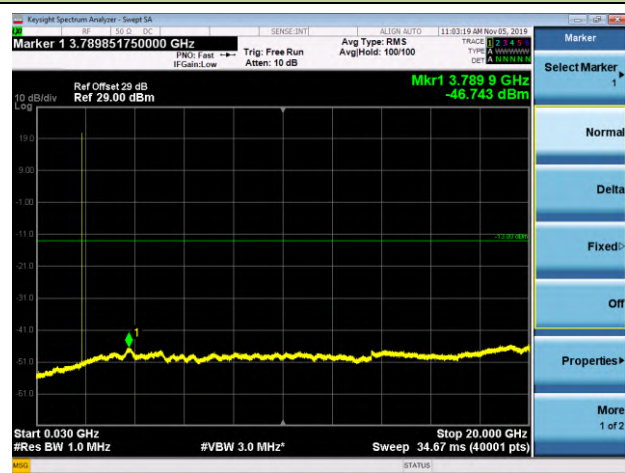
Conducted Spurious Emission

LTE Band 2 / 1.4MHz / 16QAM

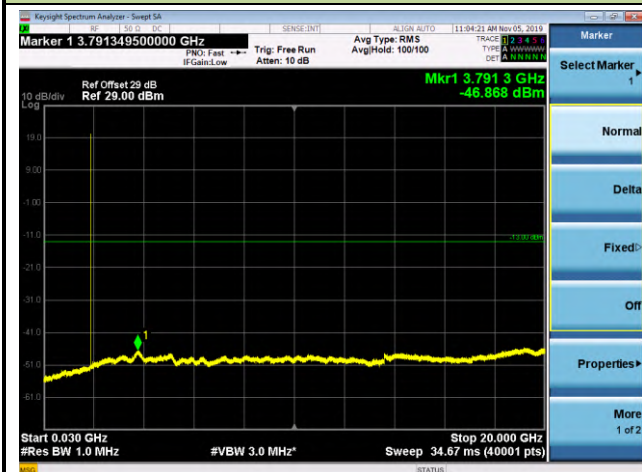
Low CH



Mid. CH



High. CH



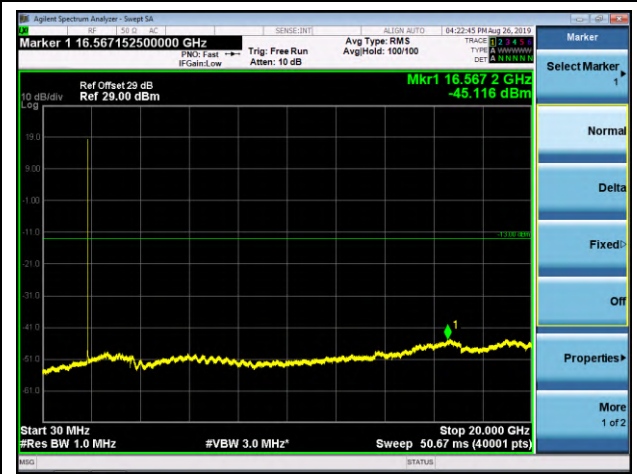
Conducted Spurious Emission

LTE Band 2 / 3MHz / QPSK

Low CH



Mid. CH



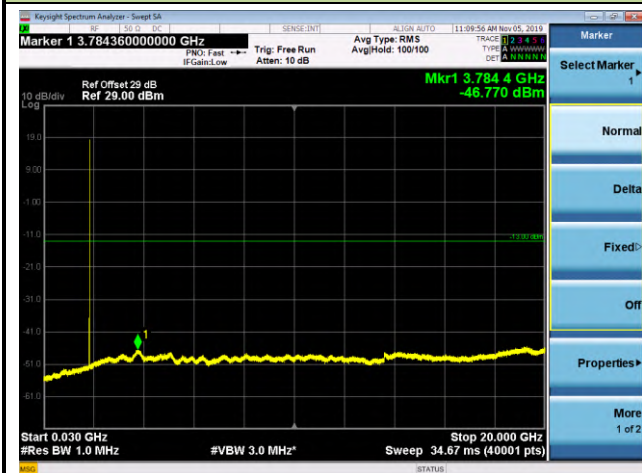
High. CH



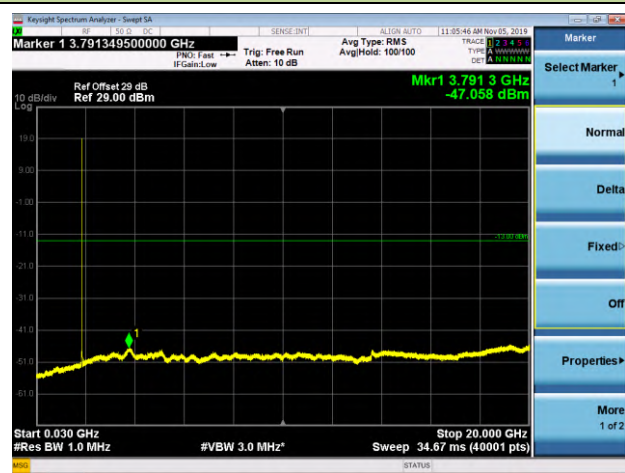
Conducted Spurious Emission

LTE Band 2 / 3MHz / 16QAM

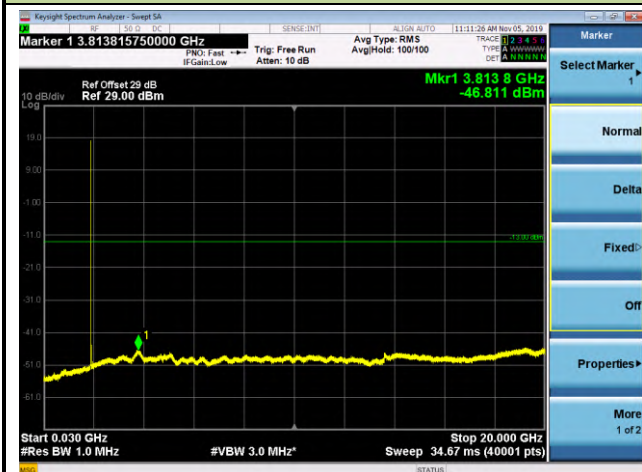
Low CH



Mid. CH



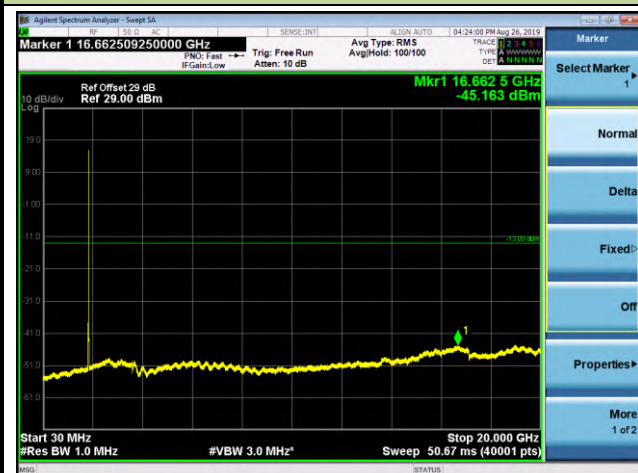
High. CH



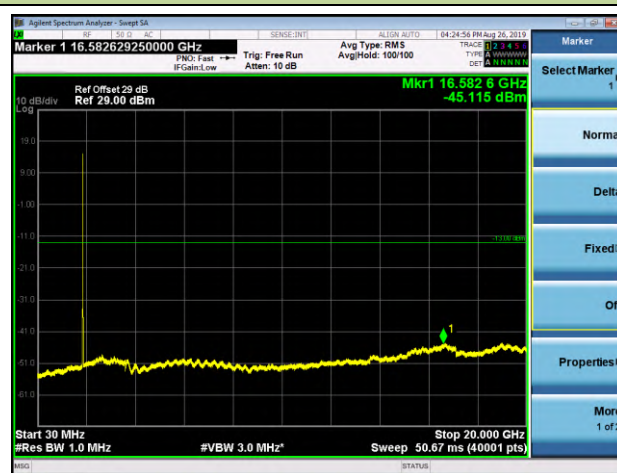
Conducted Spurious Emission

LTE Band 2 / 5MHz / QPSK

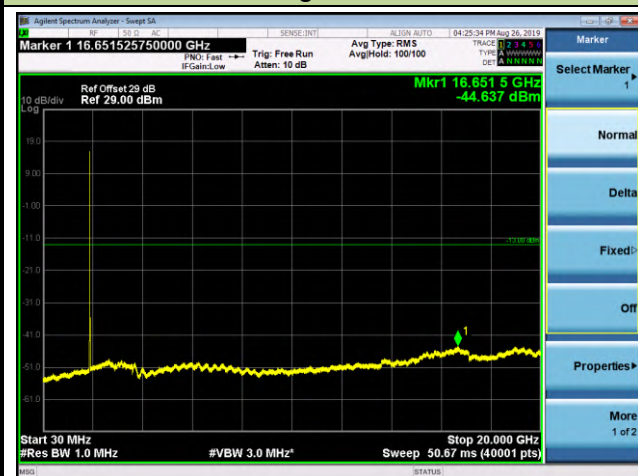
Low CH



Mid. CH



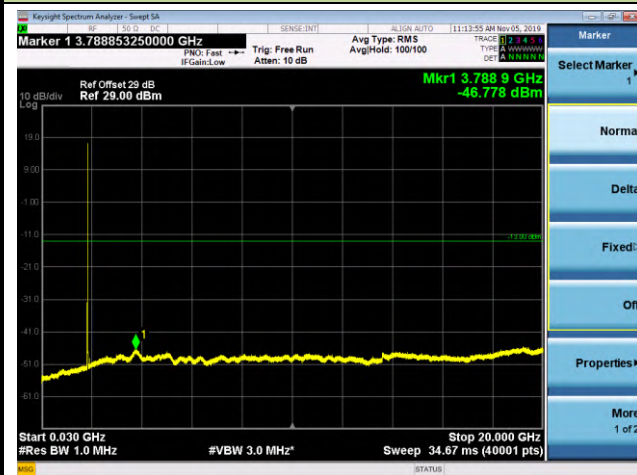
High. CH



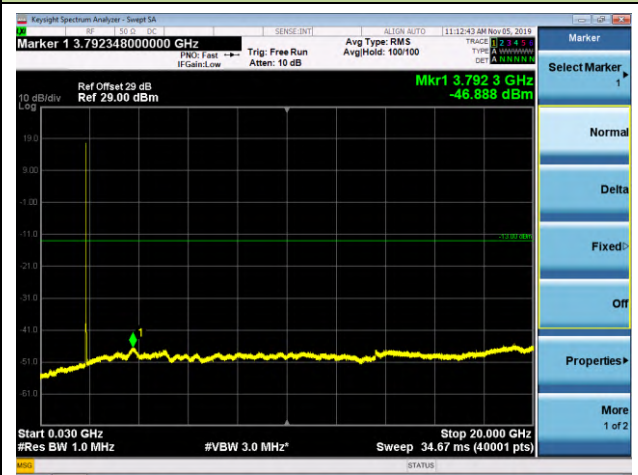
Conducted Spurious Emission

LTE Band 2 / 5MHz / 16QAM

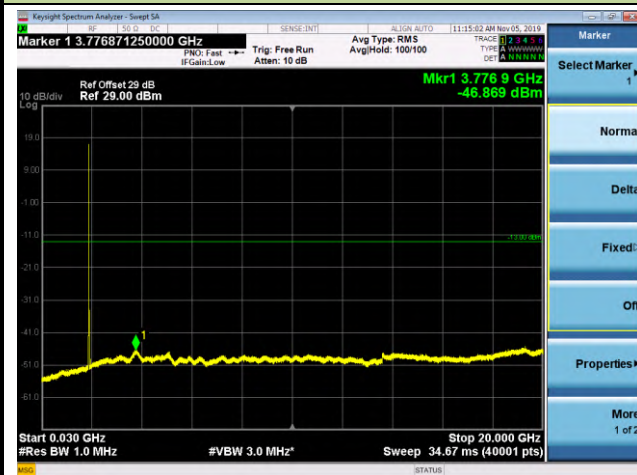
Low CH



Mid. CH



High. CH



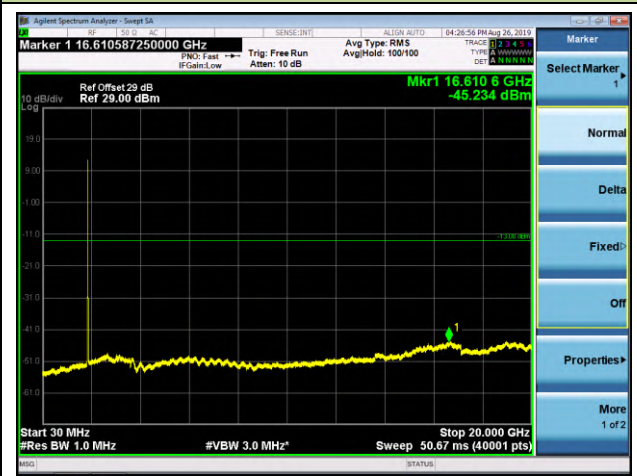
Conducted Spurious Emission

LTE Band 2 / 10MHz / QPSK

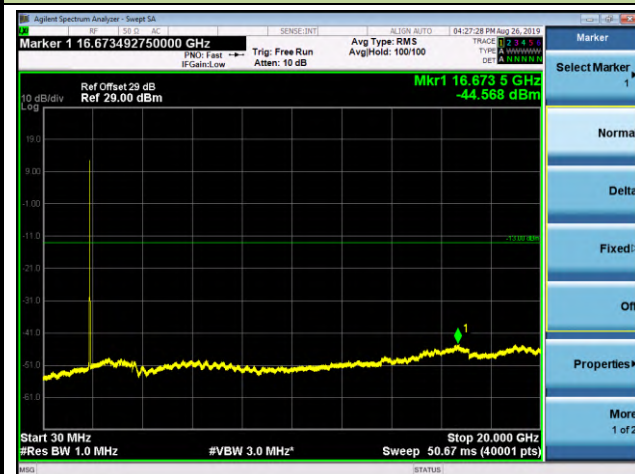
Low CH



Mid. CH



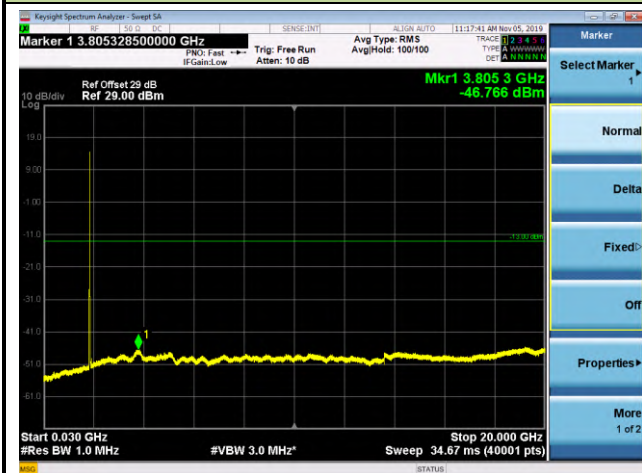
High. CH



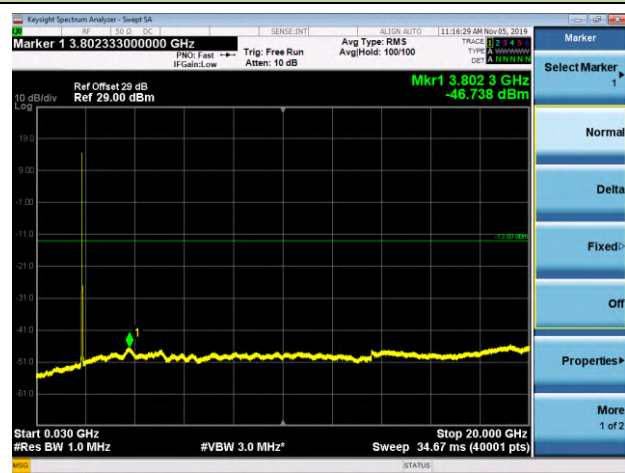
Conducted Spurious Emission

LTE Band 2 / 10MHz / 16QAM

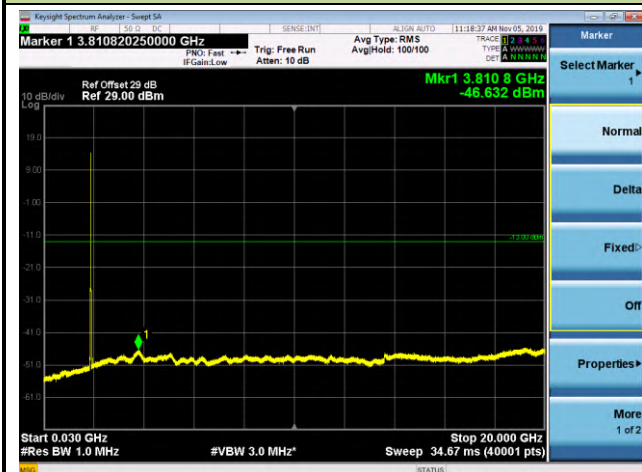
Low CH



Mid. CH



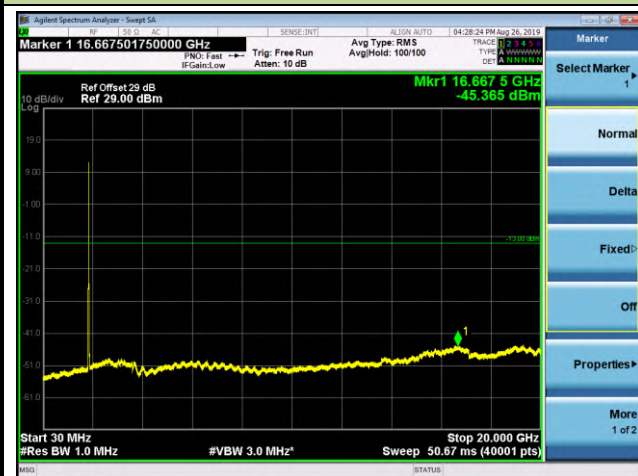
High. CH



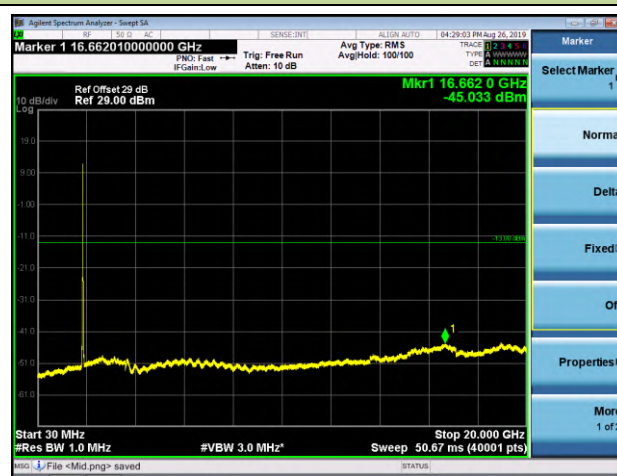
Conducted Spurious Emission

LTE Band 2 / 15MHz / QPSK

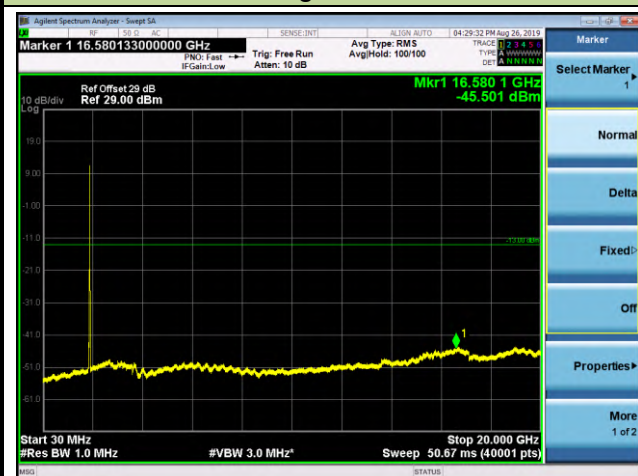
Low CH



Mid. CH



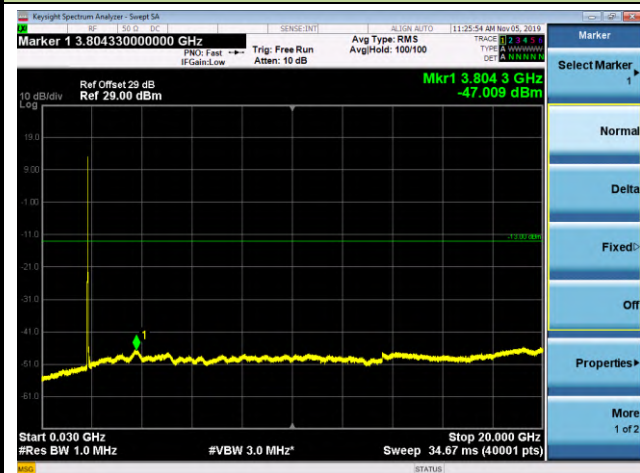
High. CH



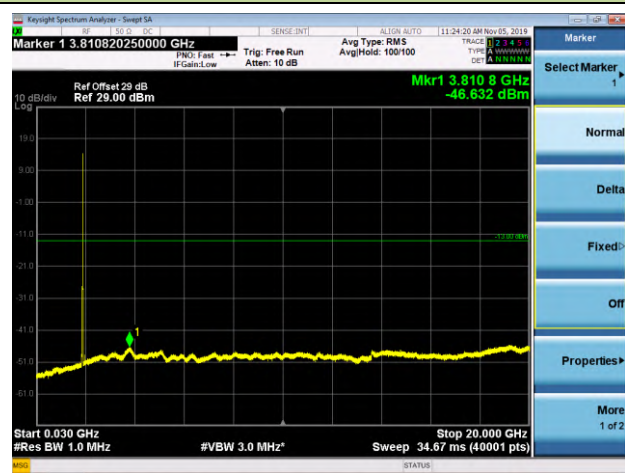
Conducted Spurious Emission

LTE Band 2 / 15MHz / 16QAM

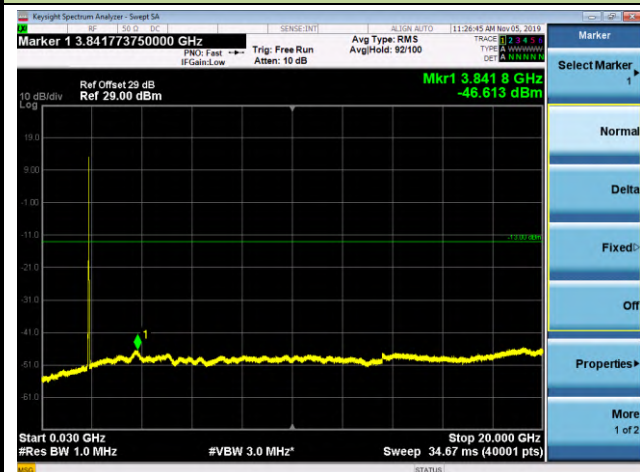
Low CH



Mid. CH



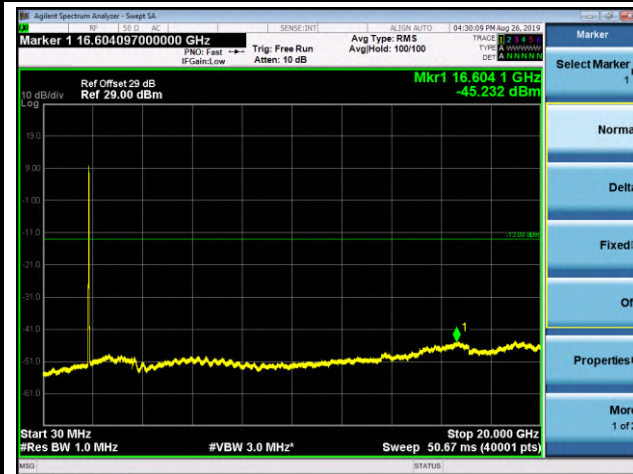
High. CH



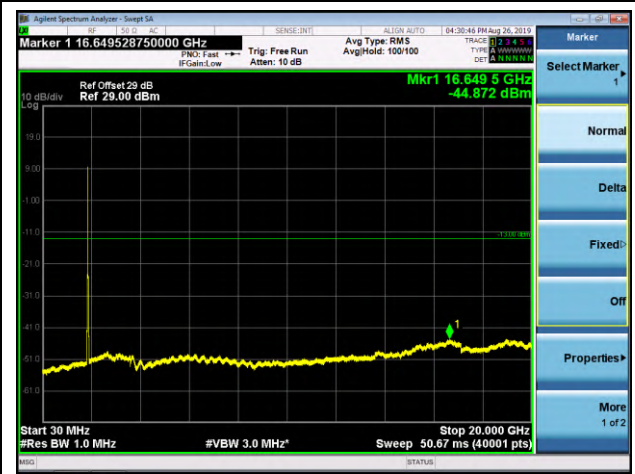
Conducted Spurious Emission

LTE Band 2 / 20MHz / QPSK

Low CH



Mid. CH



High. CH

