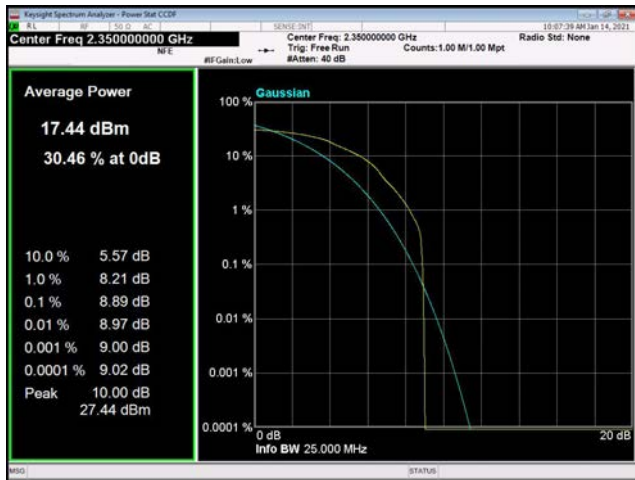
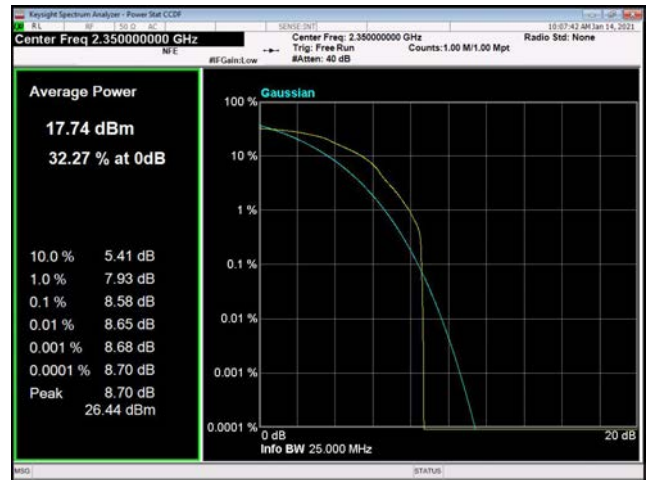
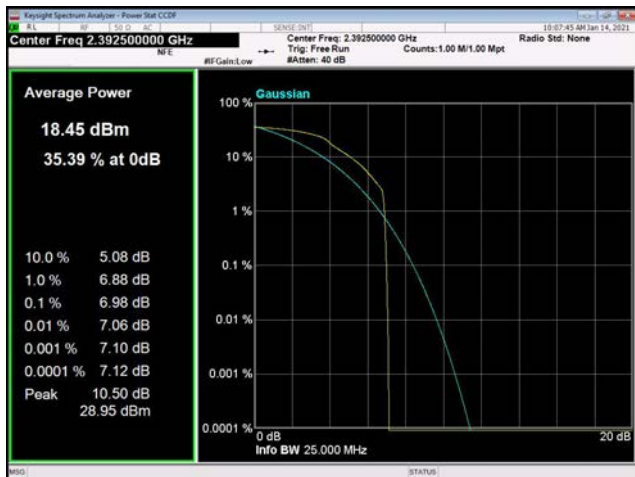
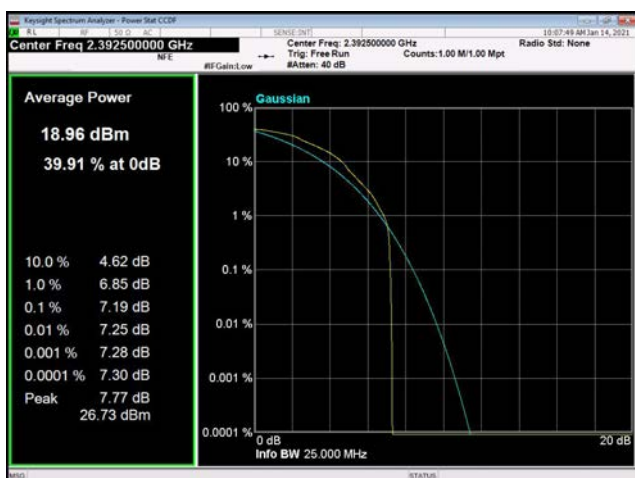
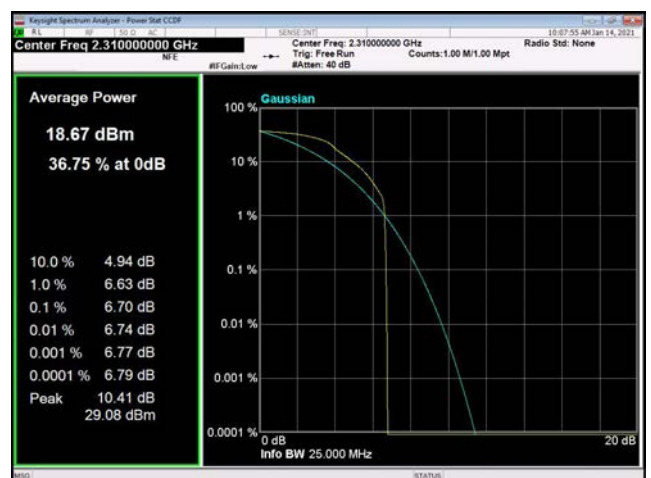
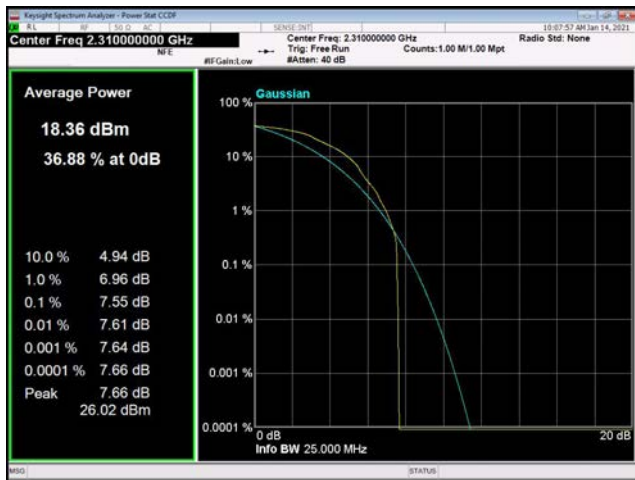
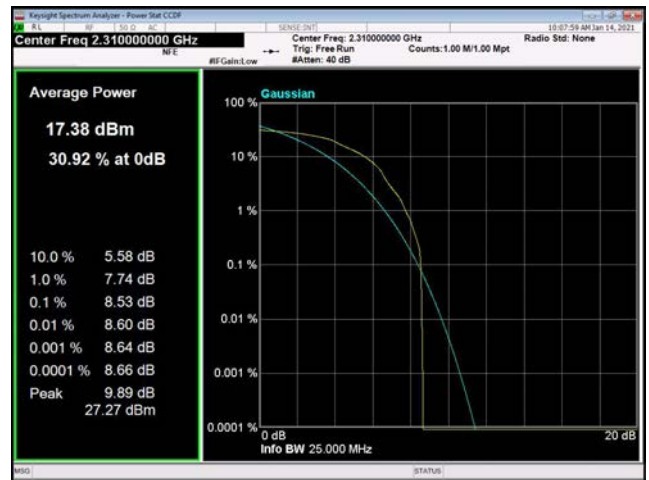
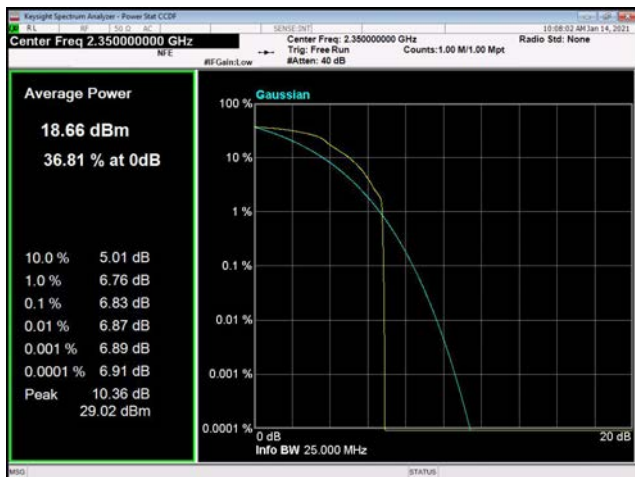
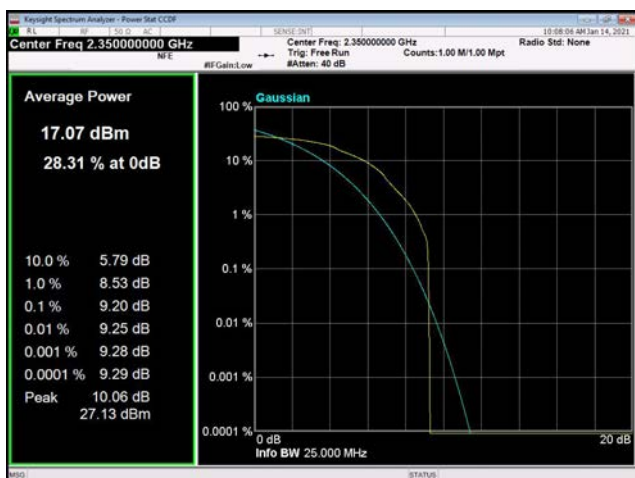
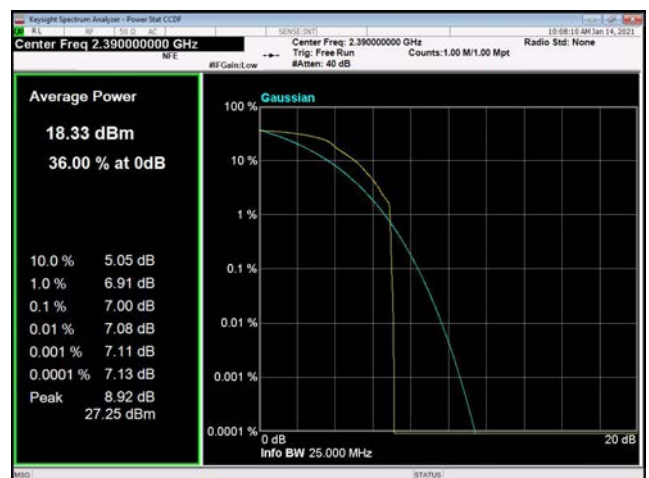
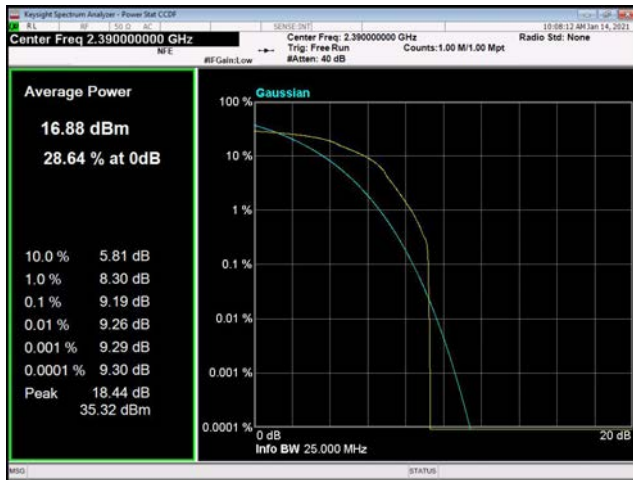
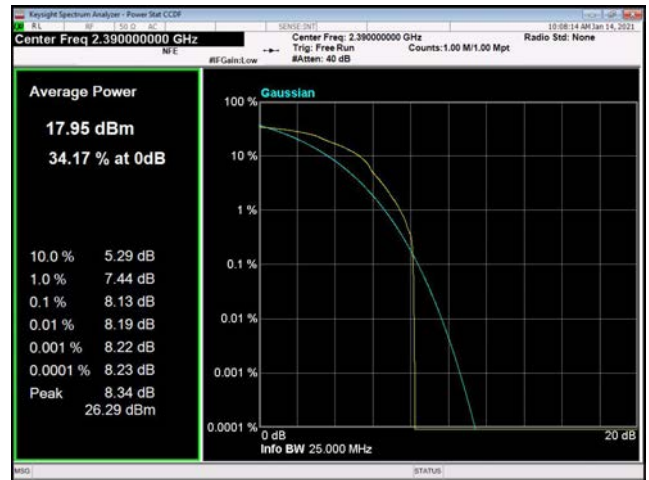
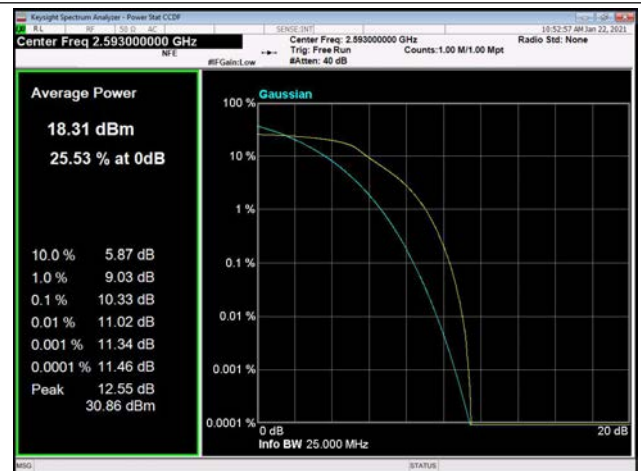
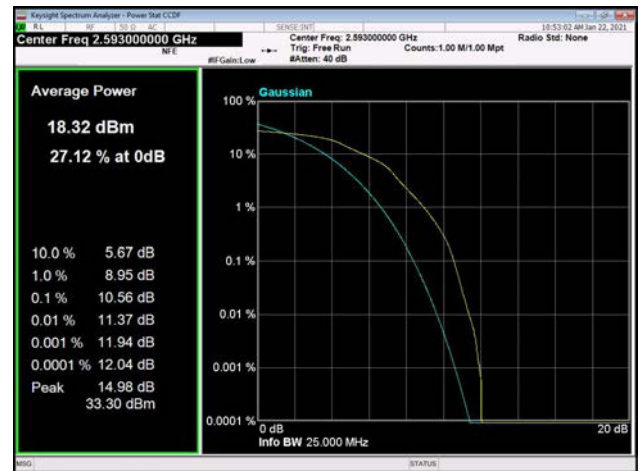
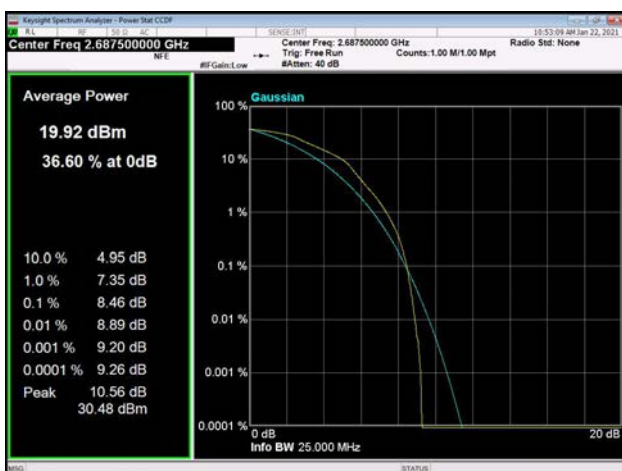
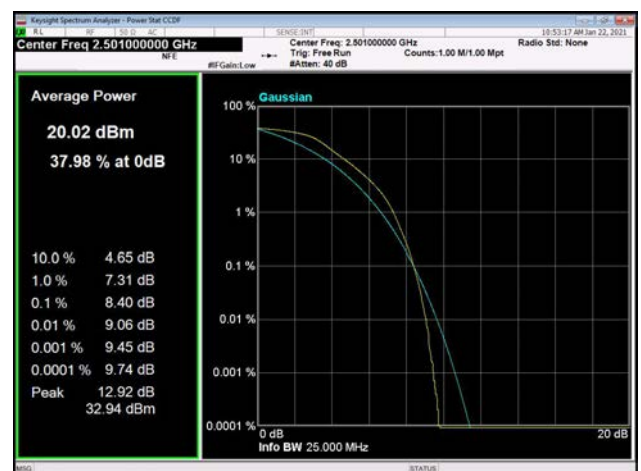
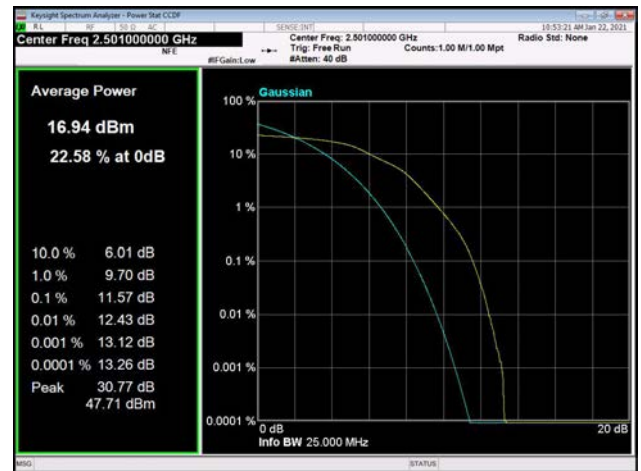
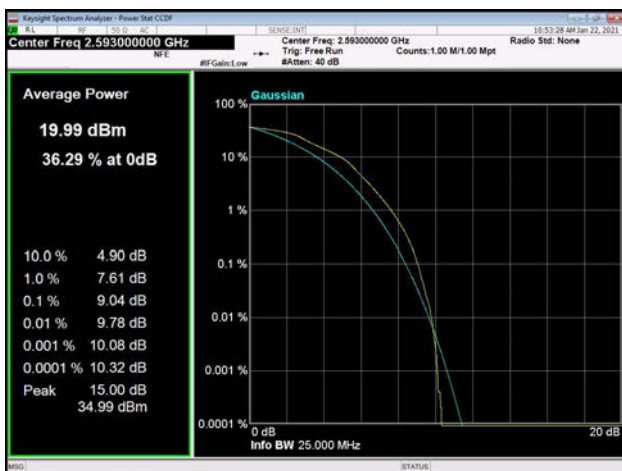
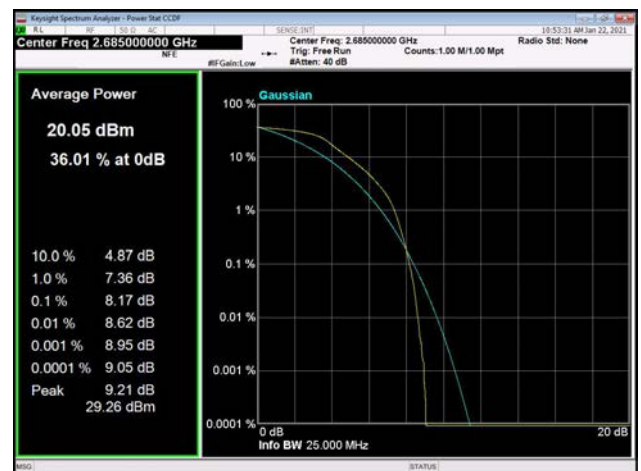


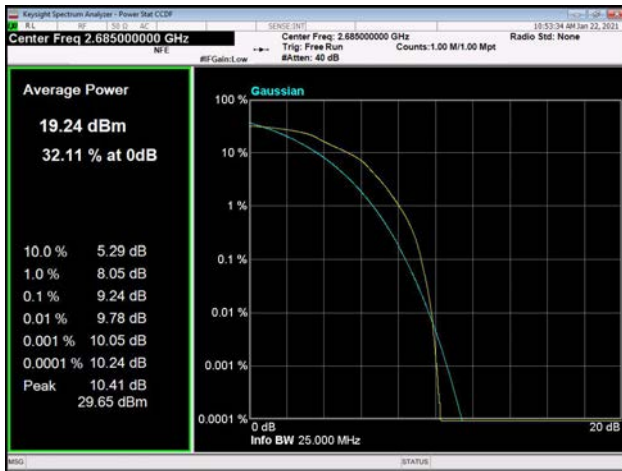
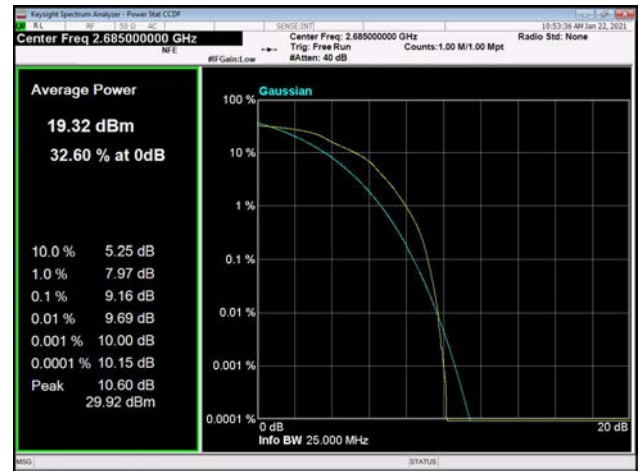
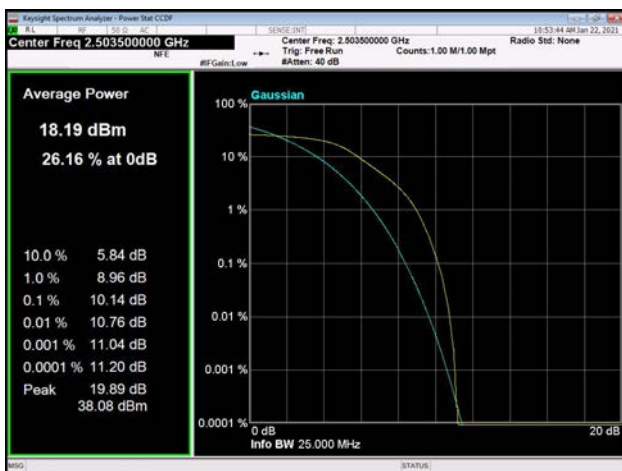
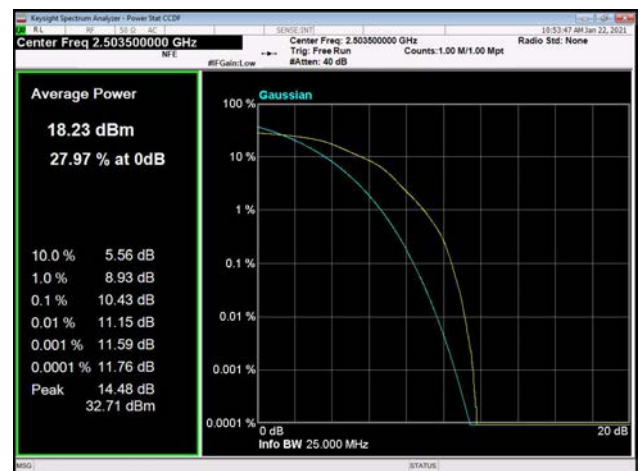
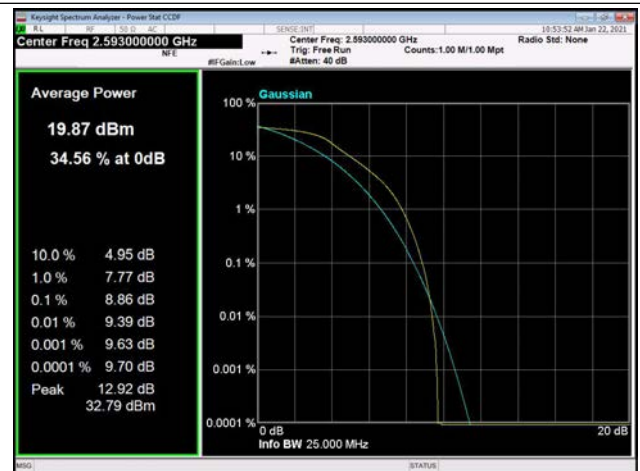
**15MHz / 16QAM / Middle Channel****15MHz / 64QAM / Middle Channel****15MHz / QPSK / High Channel****15MHz / 16QAM / High Channel****15MHz / 64QAM / High Channel****20MHz / QPSK / Low Channel**

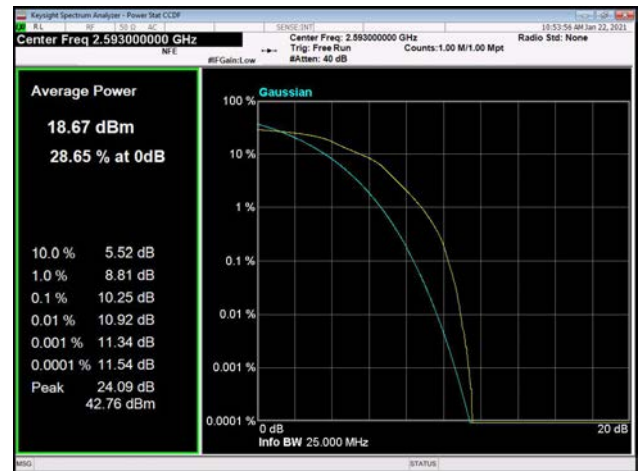
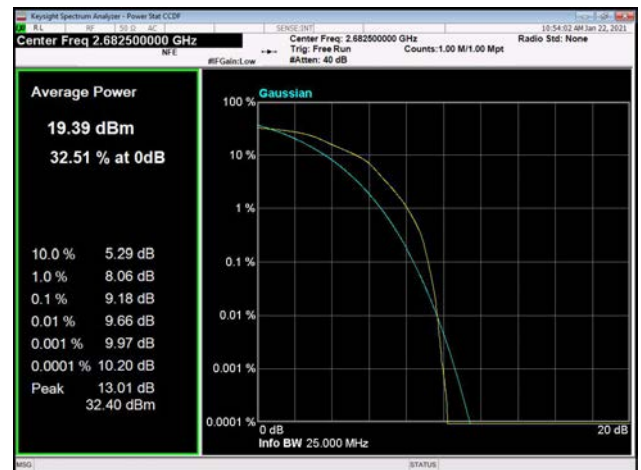
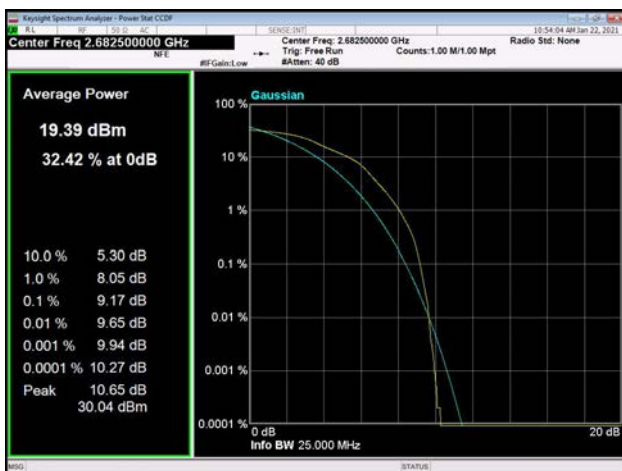
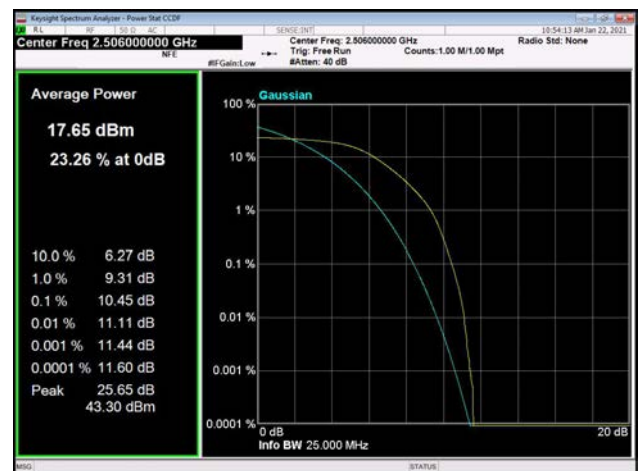
**20MHz / 16QAM / Low Channel****20MHz / 64QAM / Low Channel****20MHz / QPSK / Middle Channel****20MHz / 16QAM / Middle Channel****20MHz / 64QAM / Middle Channel****20MHz / QPSK / High Channel**

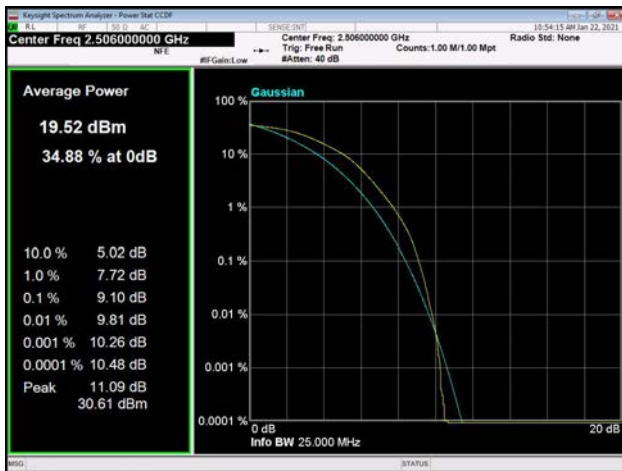
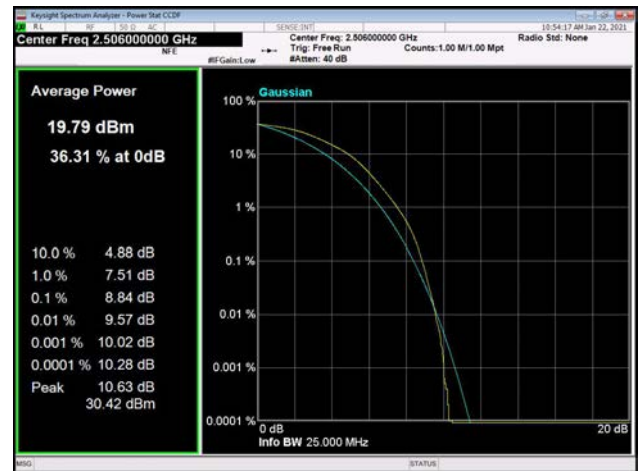
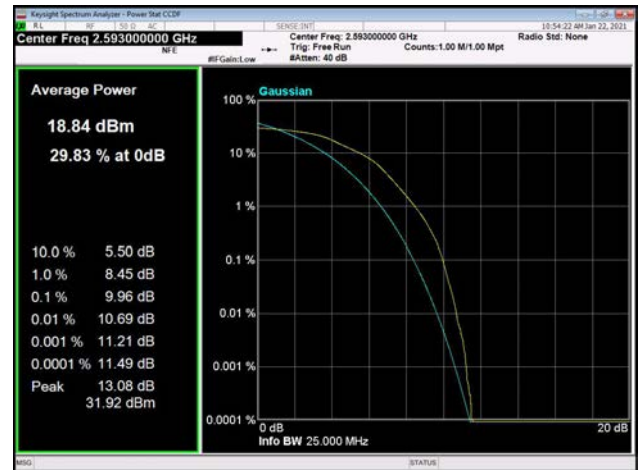
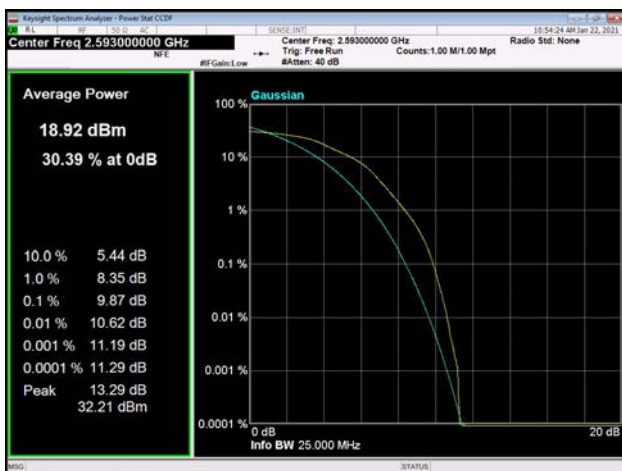
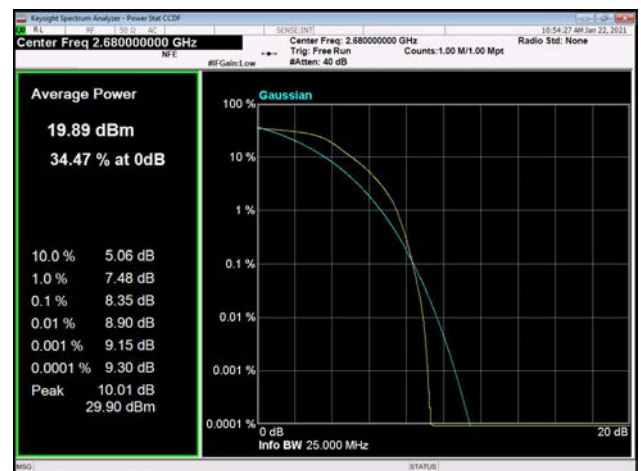
**20MHz / 16QAM / High Channel****20MHz / 64QAM / High Channel****LTE Band 41 _ Peak-to-Average Ratio****5MHz / QPSK / Low Channel****5MHz / 16QAM / Low Channel****5MHz / 64QAM / Low Channel****5MHz / QPSK / Middle Channel**

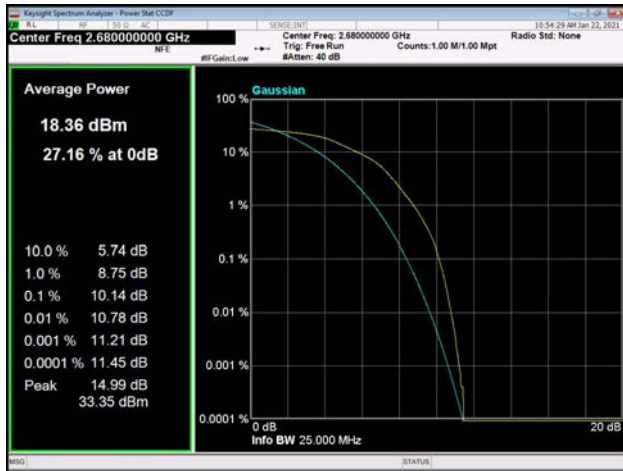
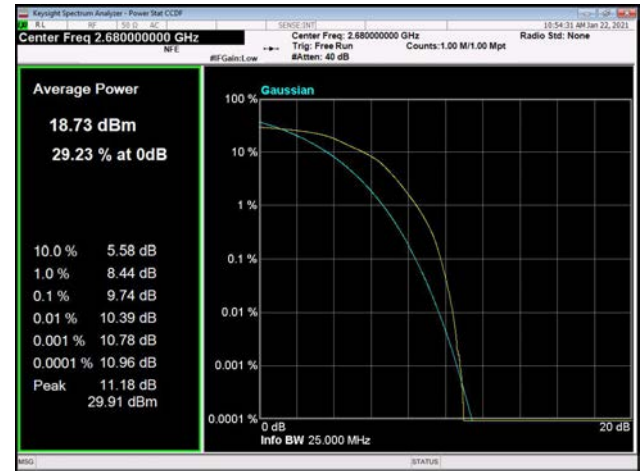
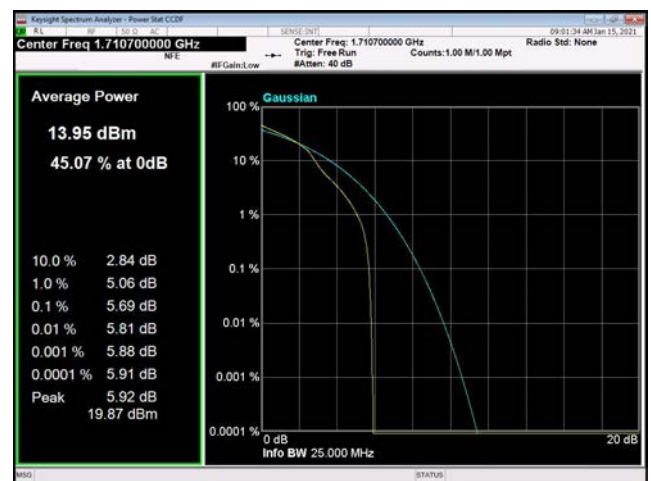
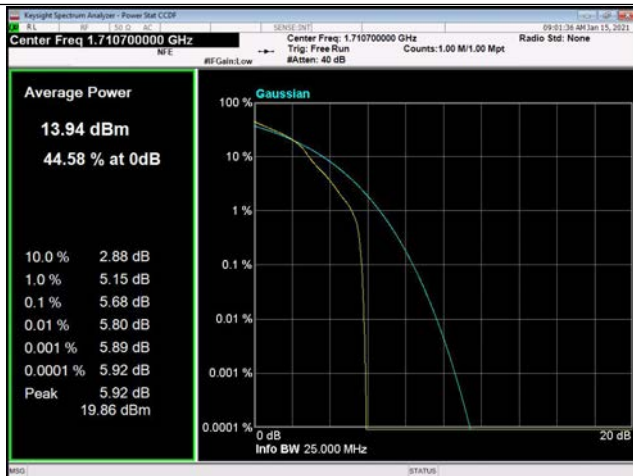
**5MHz / 16QAM / Middle Channel****5MHz / 64QAM / Middle Channel****5MHz / QPSK / High Channel****5MHz / 16QAM / High Channel****5MHz / 64QAM / High Channel****10MHz / QPSK / Low Channel**

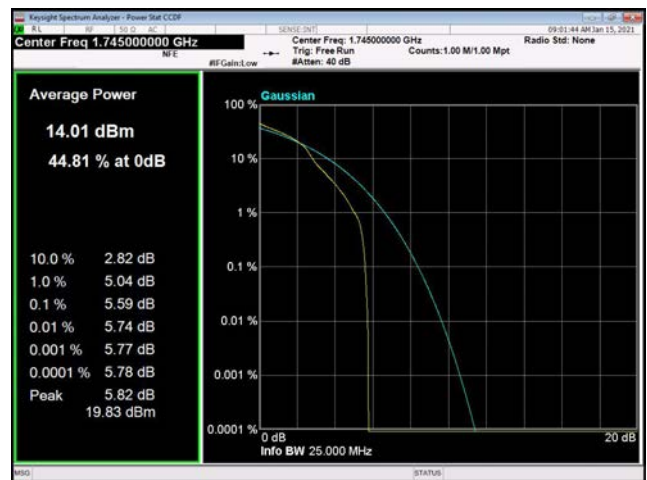
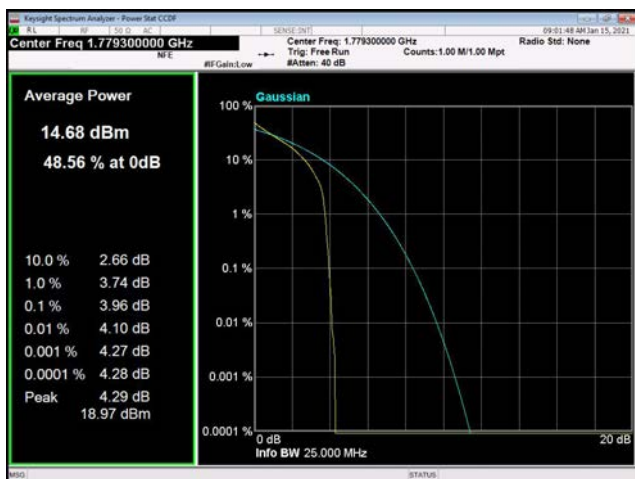
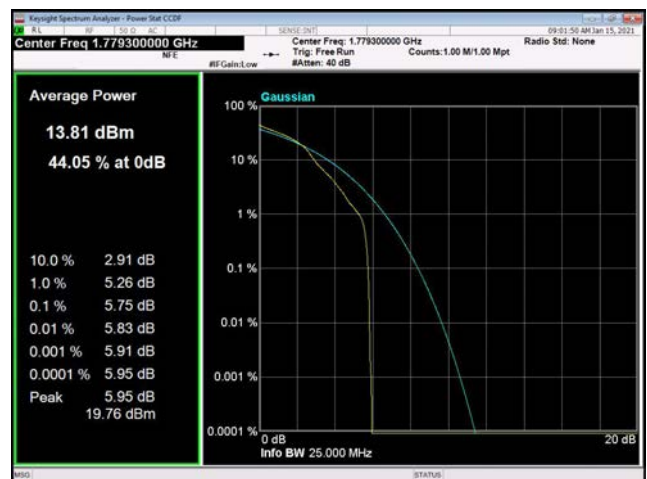
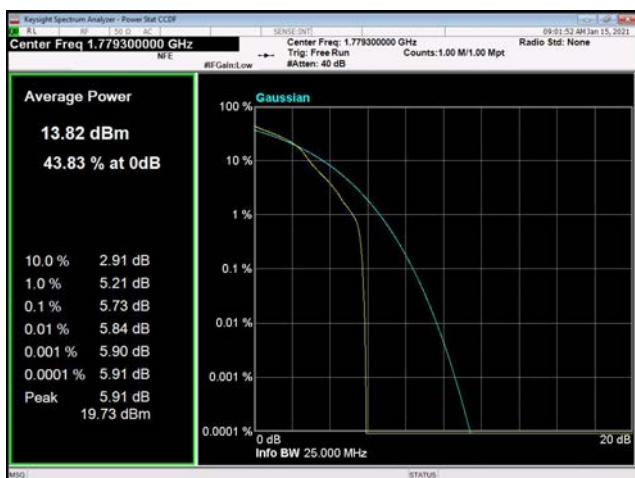
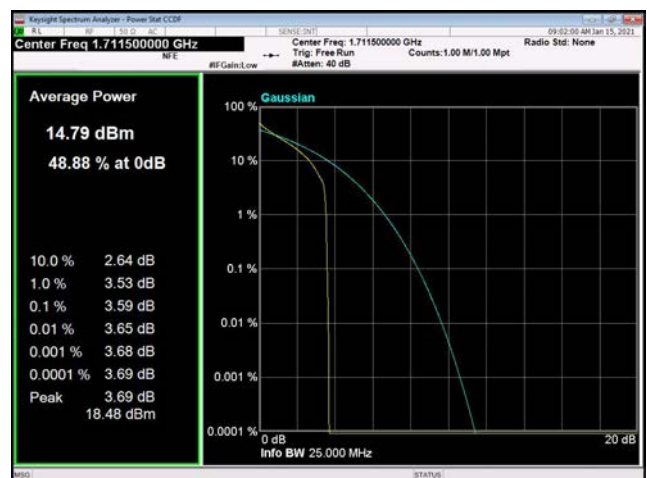
**10MHz / 16QAM / Low Channel****10MHz / 64QAM / Low Channel****10MHz / QPSK / Middle Channel****10MHz / 16QAM / Middle Channel****10MHz / 64QAM / Middle Channel****10MHz / QPSK / High Channel**

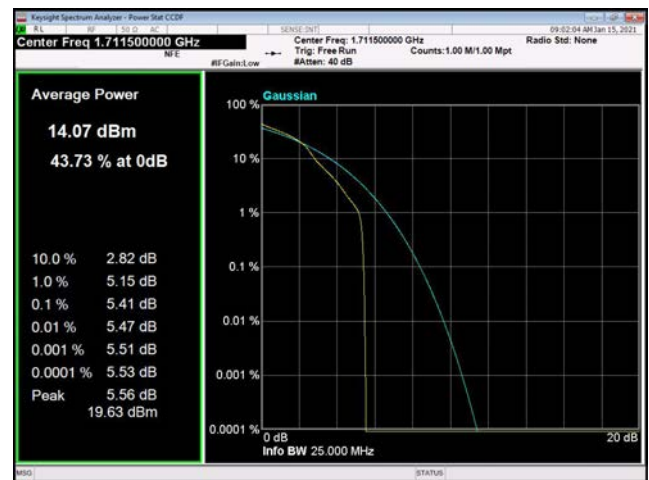
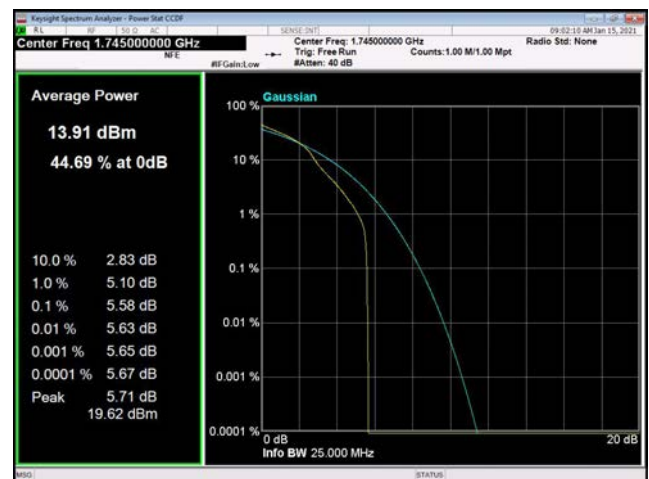
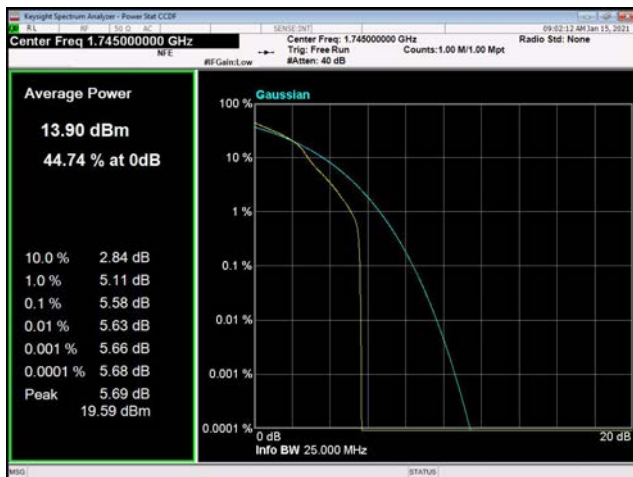
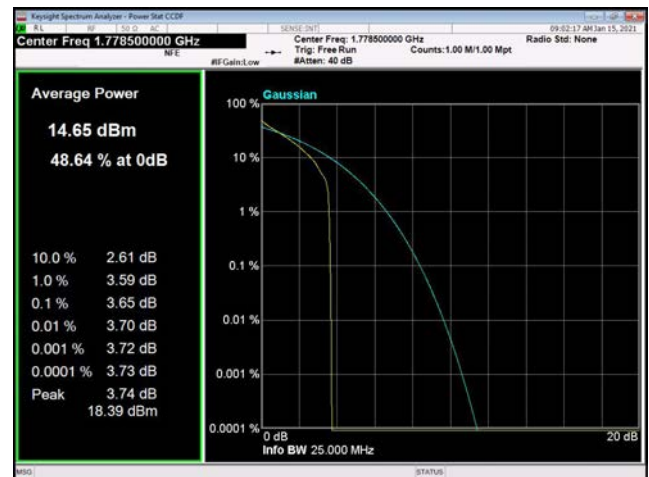
**10MHz / 16QAM / High Channel****10MHz / 64QAM / High Channel****15MHz / QPSK / Low Channel****15MHz / 16QAM / Low Channel****15MHz / 64QAM / Low Channel****15MHz / QPSK / Middle Channel**

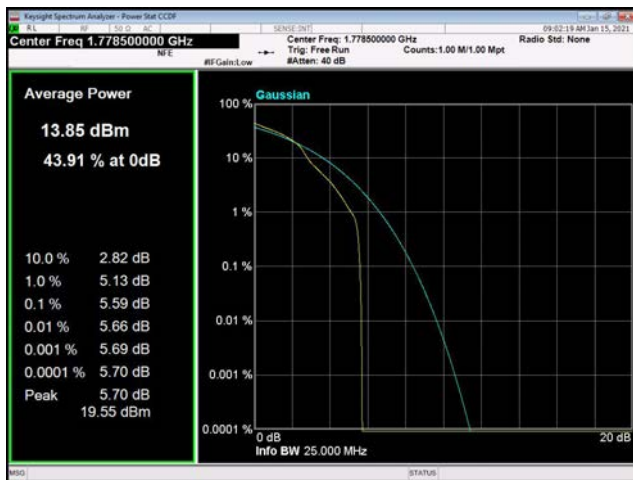
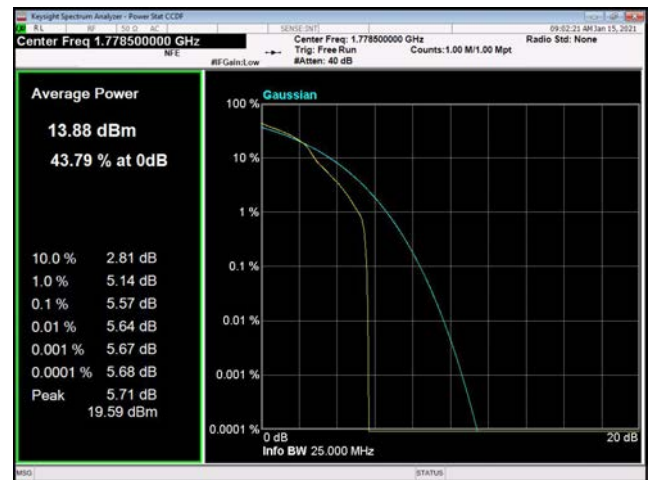
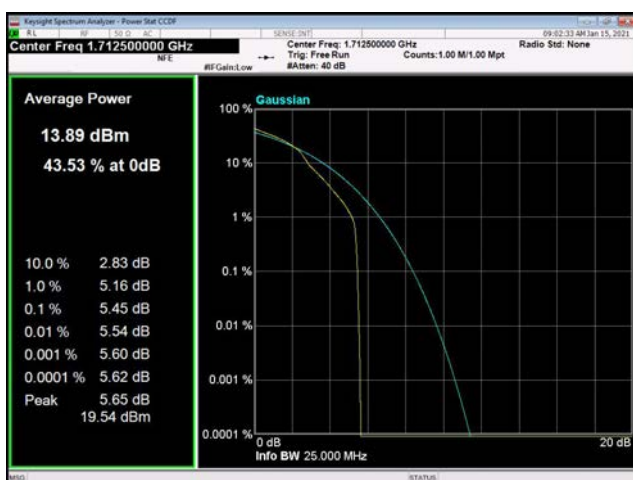
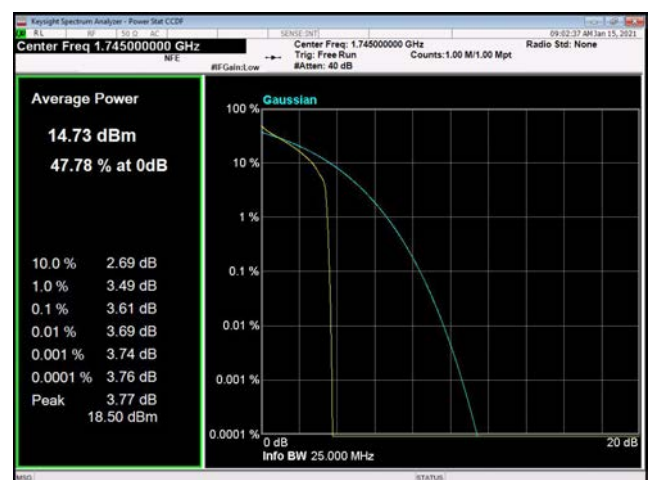
**15MHz / 16QAM / Middle Channel****15MHz / 64QAM / Middle Channel****15MHz / QPSK / High Channel****15MHz / 16QAM / High Channel****15MHz / 64QAM / High Channel****20MHz / QPSK / Low Channel**

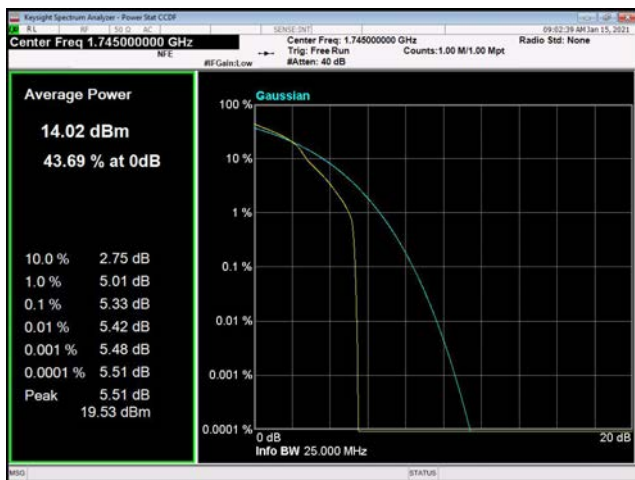
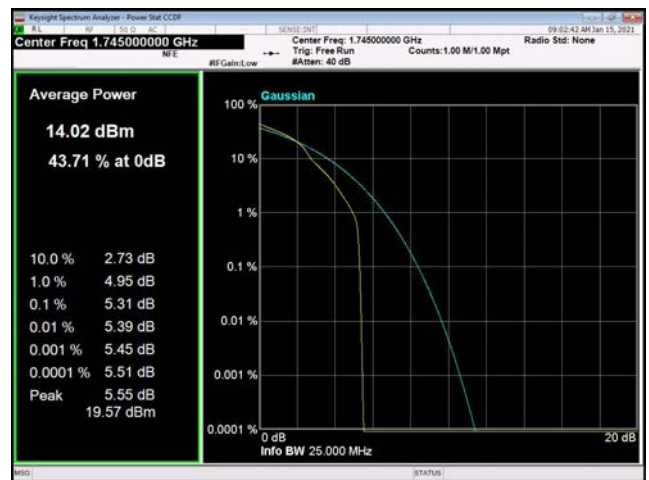
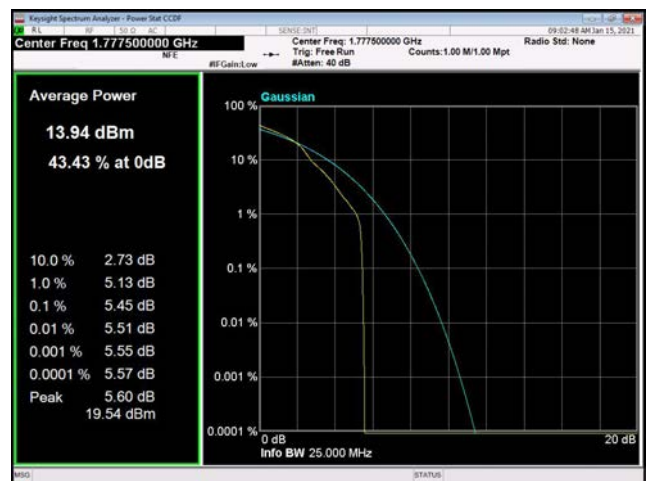
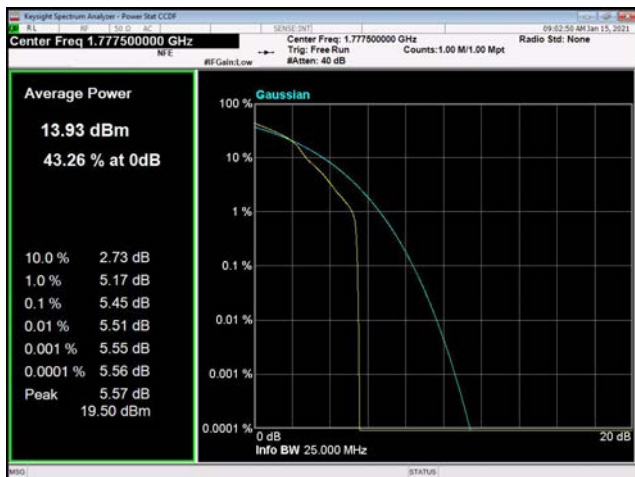
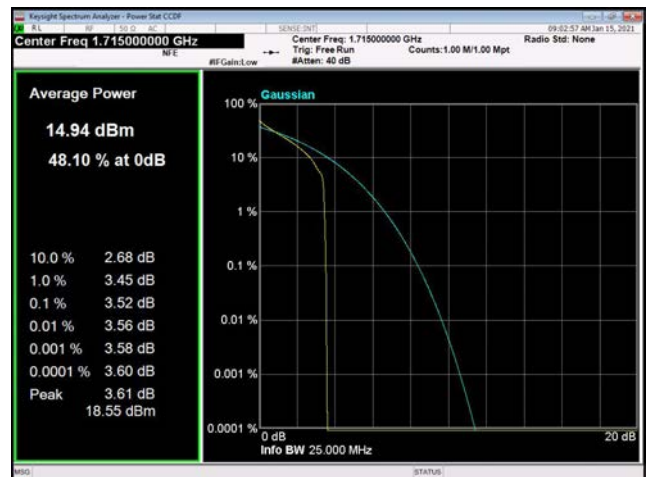
**20MHz / 16QAM / Low Channel****20MHz / 64QAM / Low Channel****20MHz / QPSK / Middle Channel****20MHz / 16QAM / Middle Channel****20MHz / 64QAM / Middle Channel****20MHz / QPSK / High Channel**

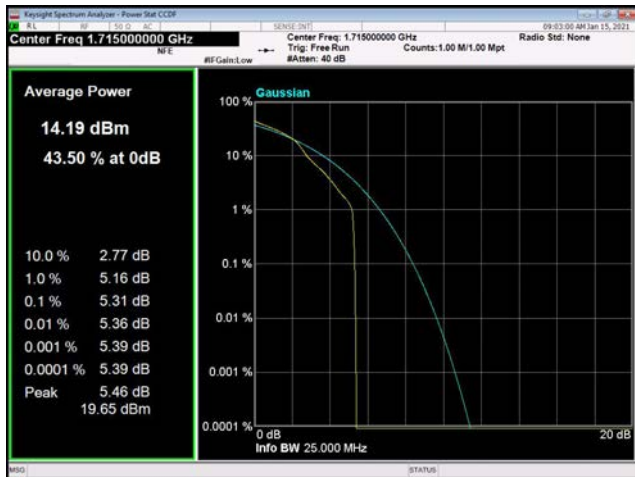
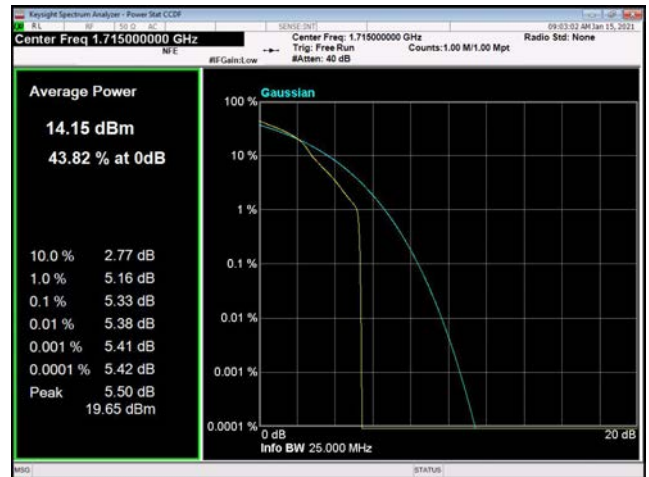
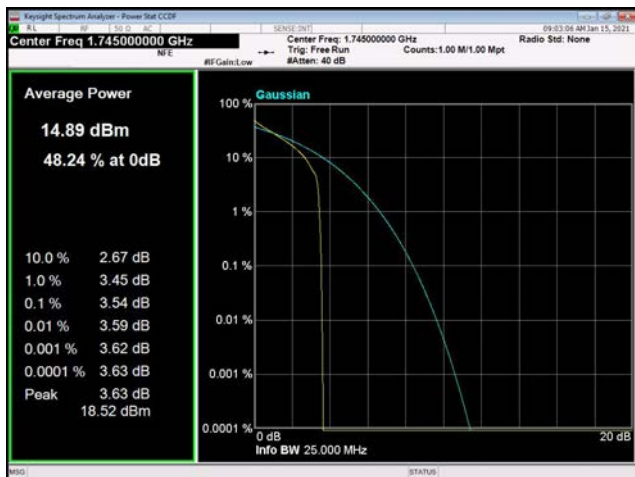
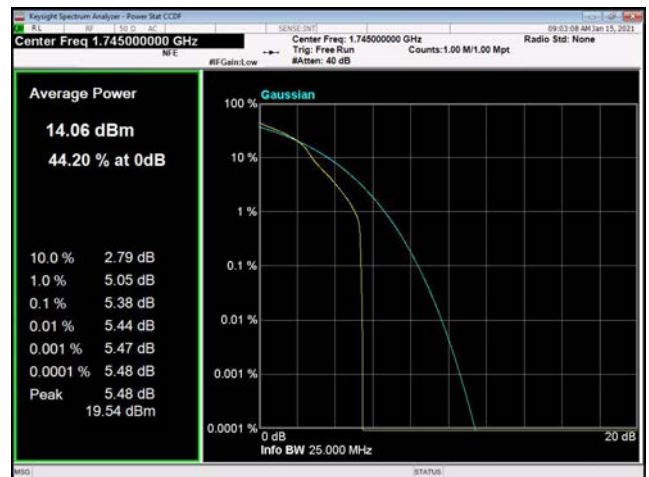
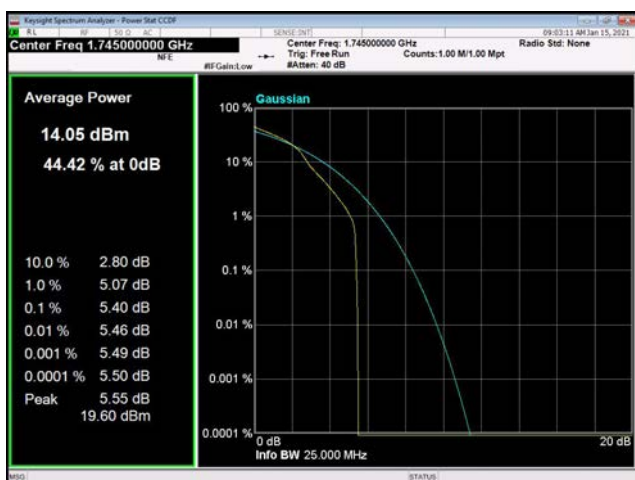
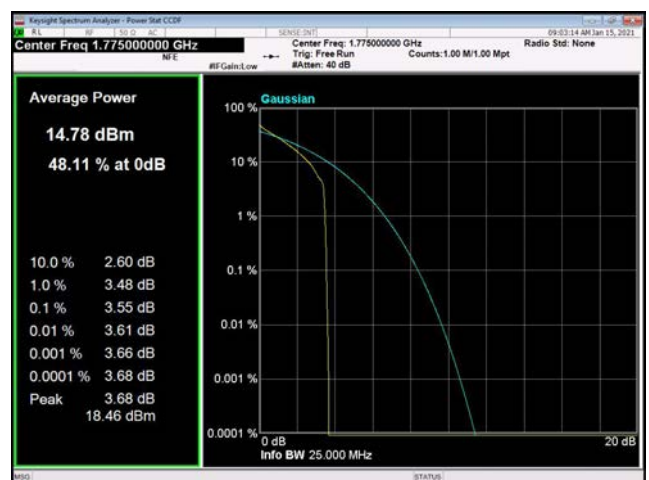
**20MHz / 16QAM / High Channel****20MHz / 64QAM / High Channel****LTE Band 66 _ Peak-to-Average Ratio****1.4MHz / QPSK / Low Channel****1.4MHz / 16QAM / Low Channel****1.4MHz / 64QAM / Low Channel****1.4MHz / QPSK / Middle Channel**

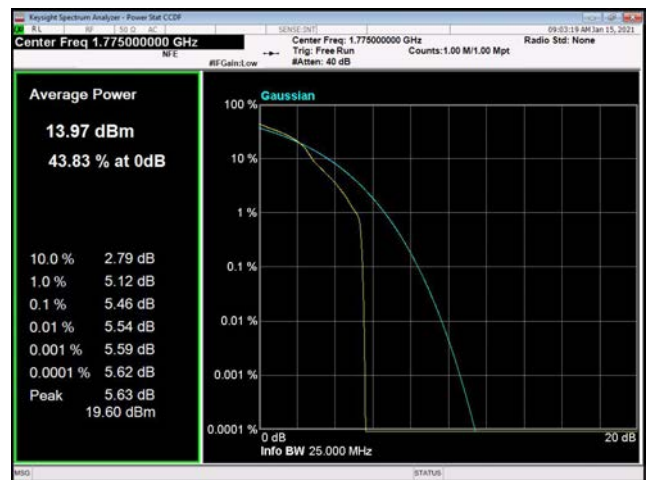
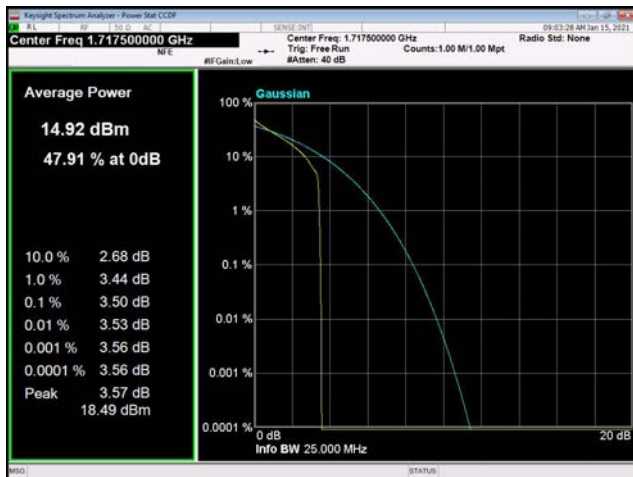
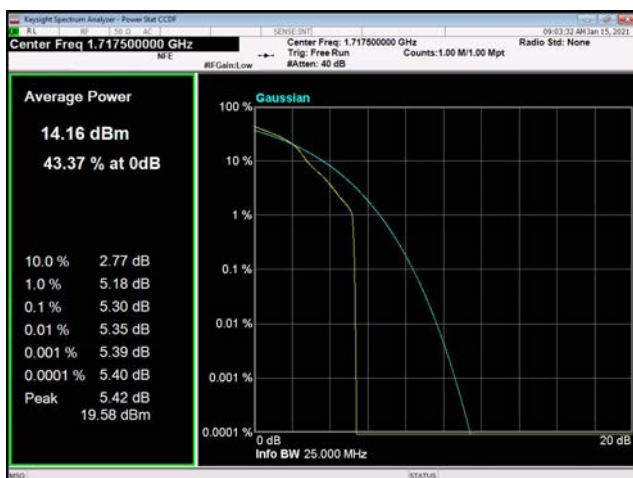
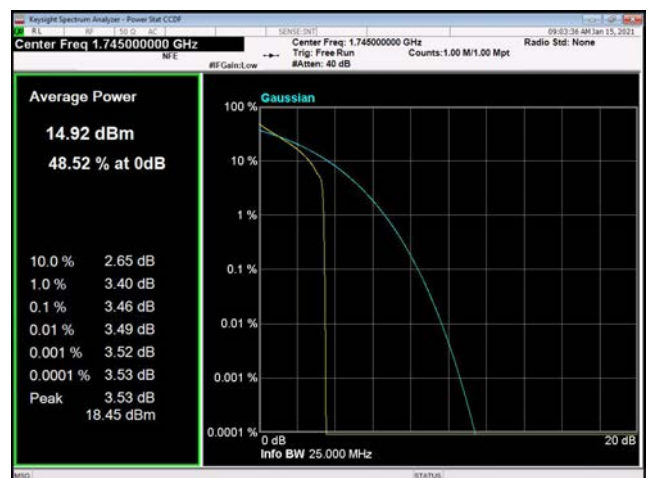
**1.4MHz / 16QAM / Middle Channel****1.4MHz / 64QAM / Middle Channel****1.4MHz / QPSK / High Channel****1.4MHz / 16QAM / High Channel****1.4MHz / 64QAM / High Channel****3MHz / QPSK / Low Channel**

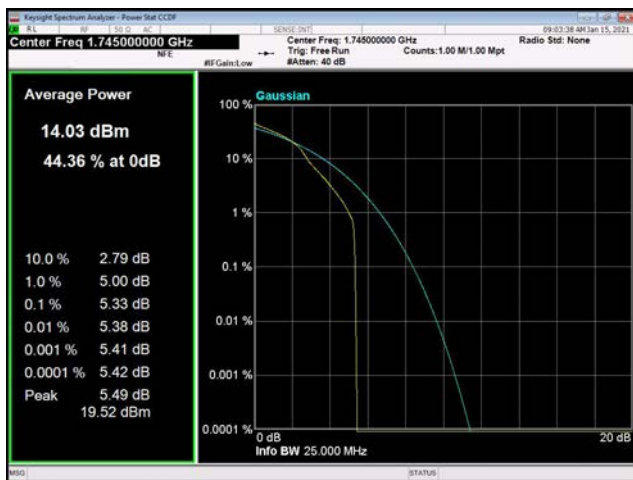
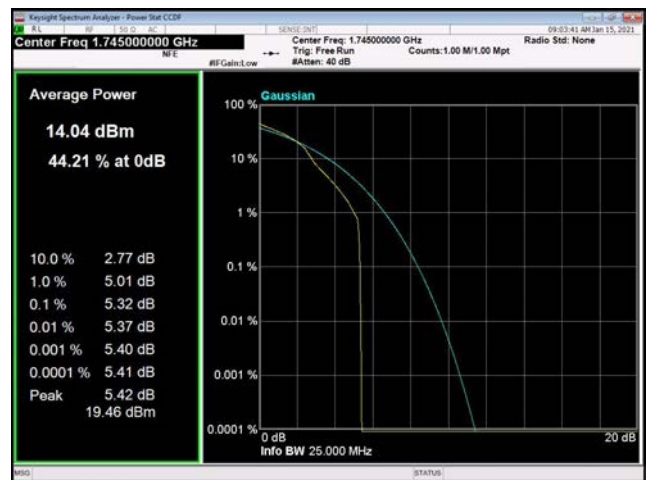
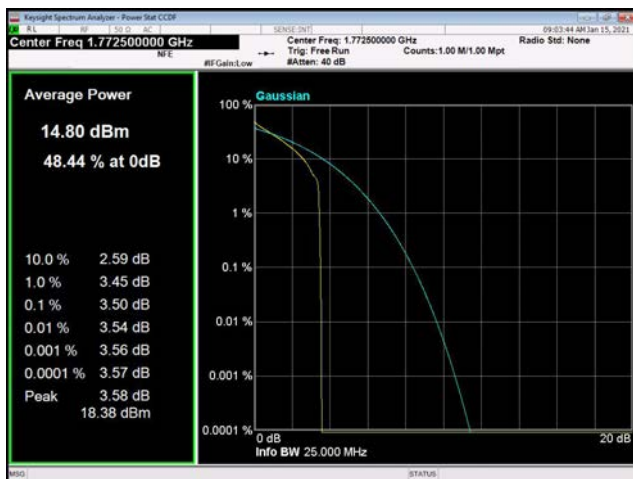
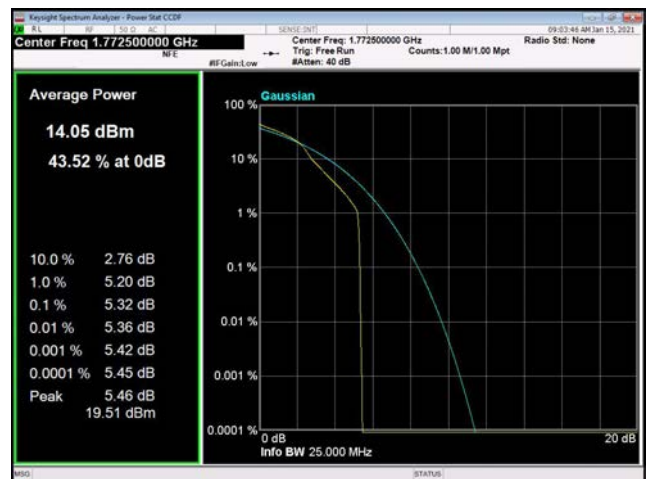
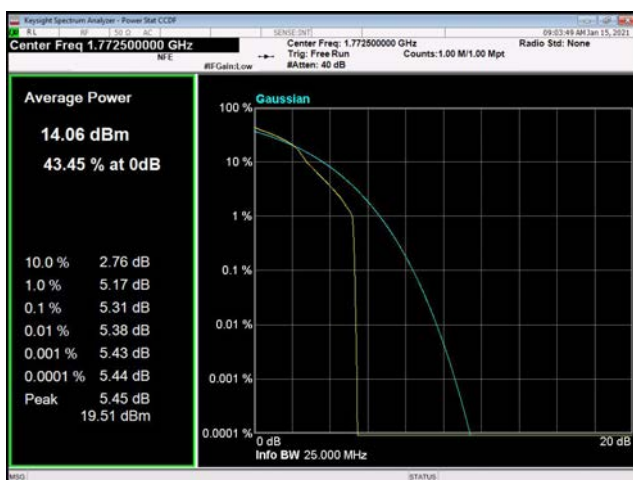
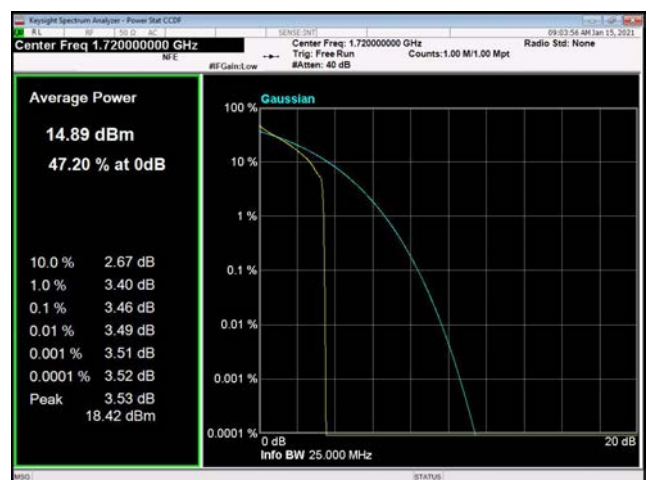
**3MHz / 16QAM / Low Channel****3MHz / 64QAM / Low Channel****3MHz / QPSK / Middle Channel****3MHz / 16QAM / Middle Channel****3MHz / 64QAM / Middle Channel****3MHz / QPSK / High Channel**

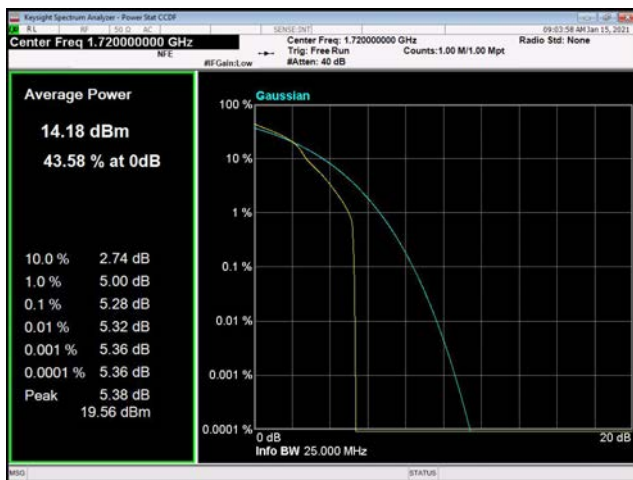
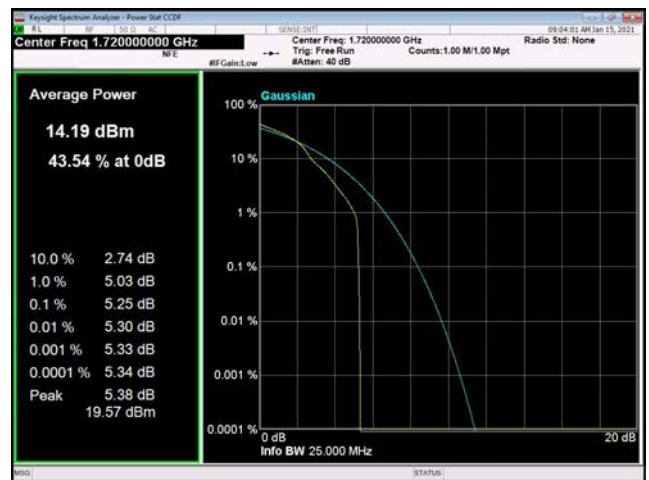
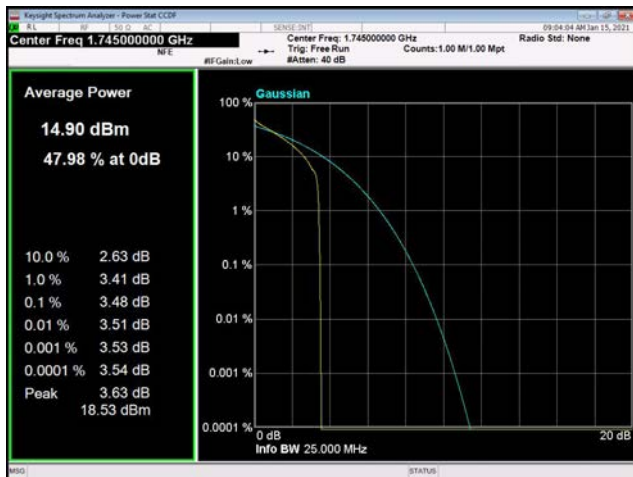
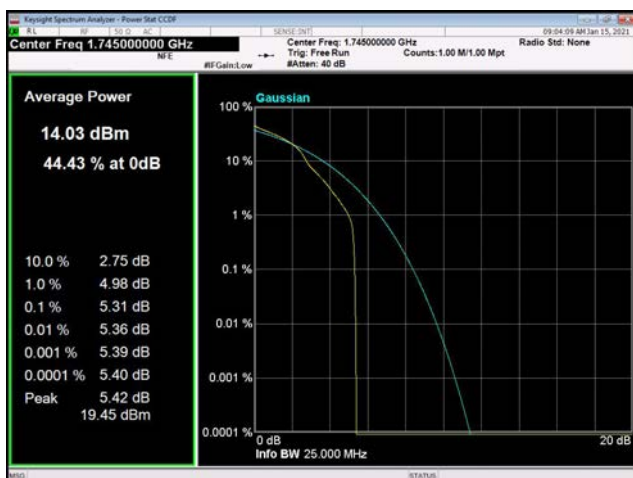
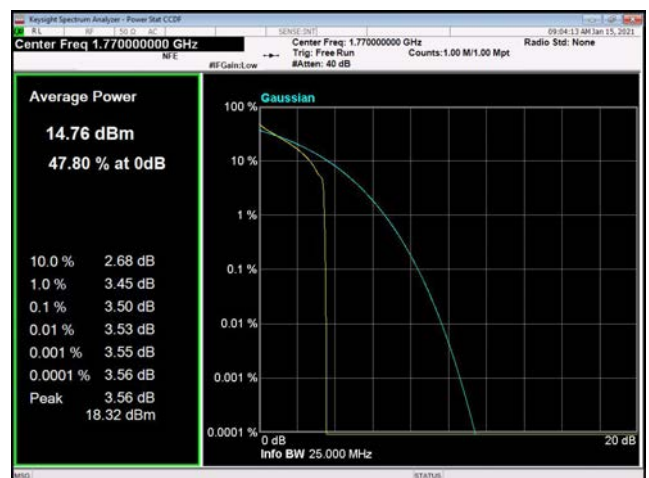
**3MHz / 16QAM / High Channel****3MHz / 64QAM / High Channel****5MHz / QPSK / Low Channel****5MHz / 16QAM / Low Channel****5MHz / 64QAM / Low Channel****5MHz / QPSK / Middle Channel**

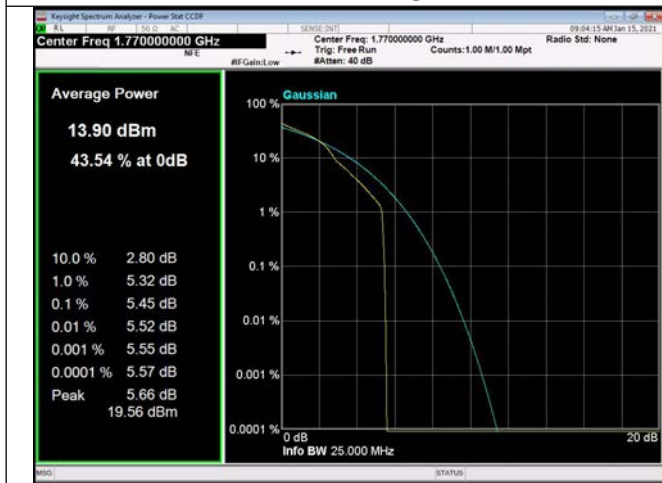
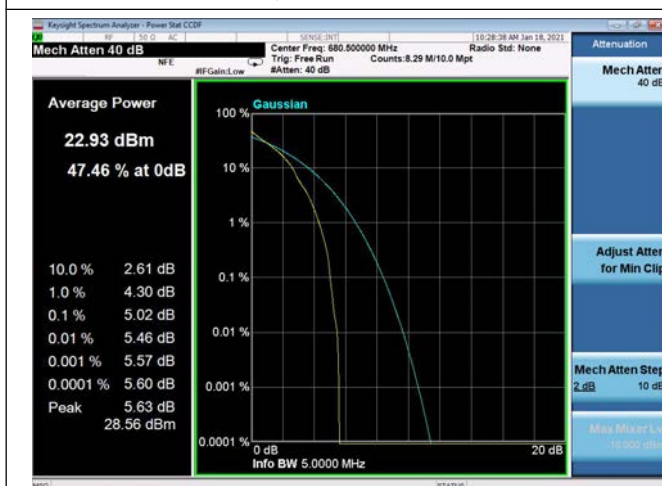
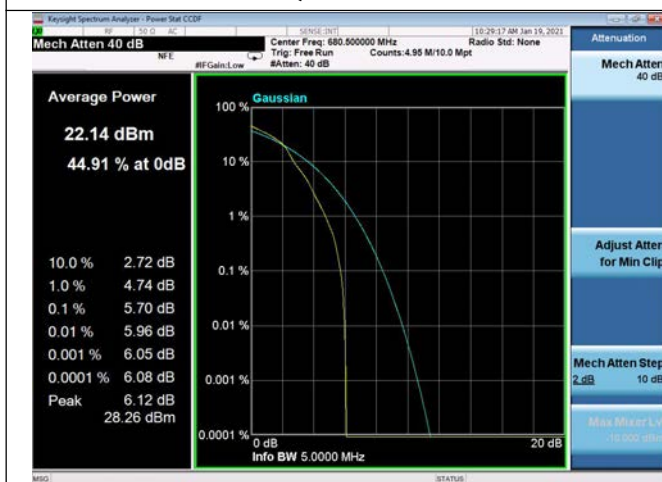
**5MHz / 16QAM / Middle Channel****5MHz / 64QAM / Middle Channel****5MHz / QPSK / High Channel****5MHz / 16QAM / High Channel****5MHz / 64QAM / High Channel****10MHz / QPSK / Low Channel**

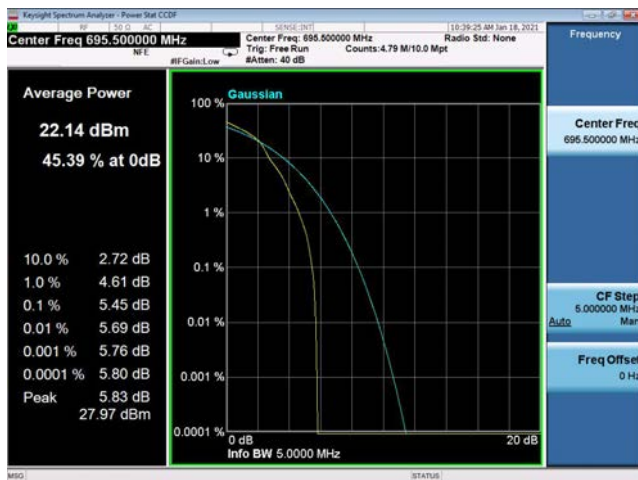
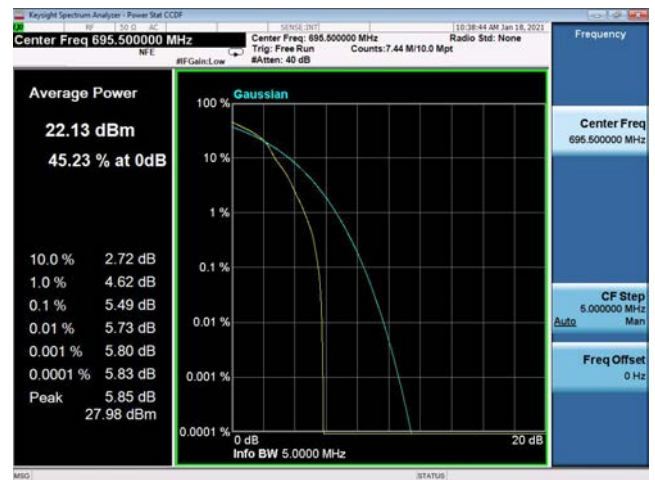
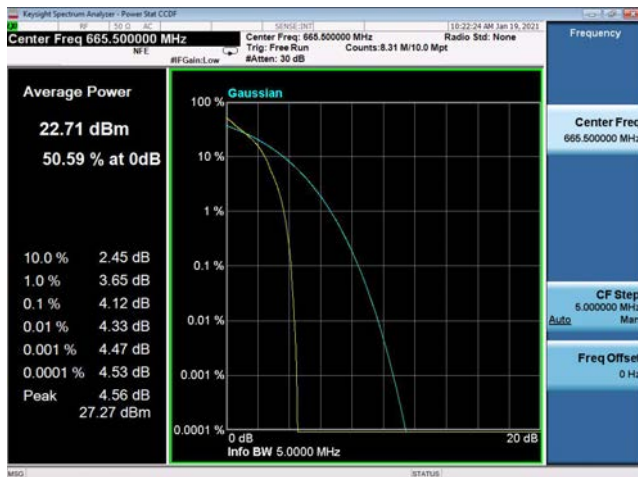
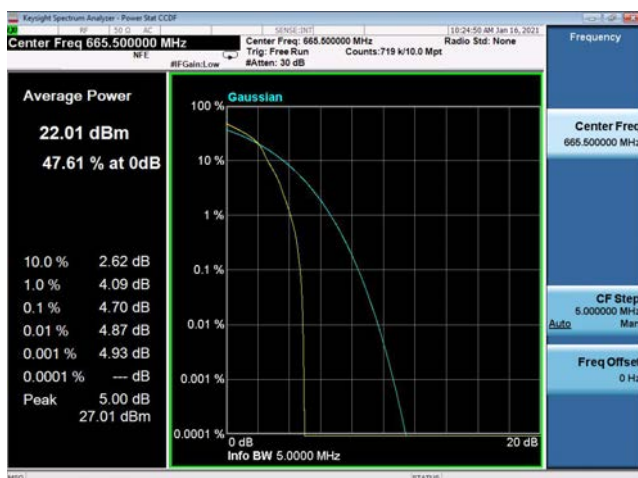
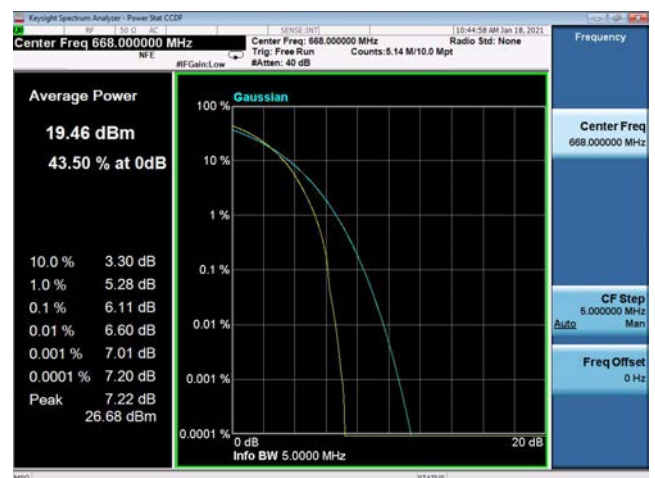
**10MHz / 16QAM / Low Channel****10MHz / 64QAM / Low Channel****10MHz / QPSK / Middle Channel****10MHz / 16QAM / Middle Channel****10MHz / 64QAM / Middle Channel****10MHz / QPSK / High Channel**

**10MHz / 16QAM / High Channel****10MHz / 64QAM / High Channel****15MHz / QPSK / Low Channel****15MHz / 16QAM / Low Channel****15MHz / 64QAM / Low Channel****15MHz / QPSK / Middle Channel**

**15MHz / 16QAM / Middle Channel****15MHz / 64QAM / Middle Channel****15MHz / QPSK / High Channel****15MHz / 16QAM / High Channel****15MHz / 64QAM / High Channel****20MHz / QPSK / Low Channel**

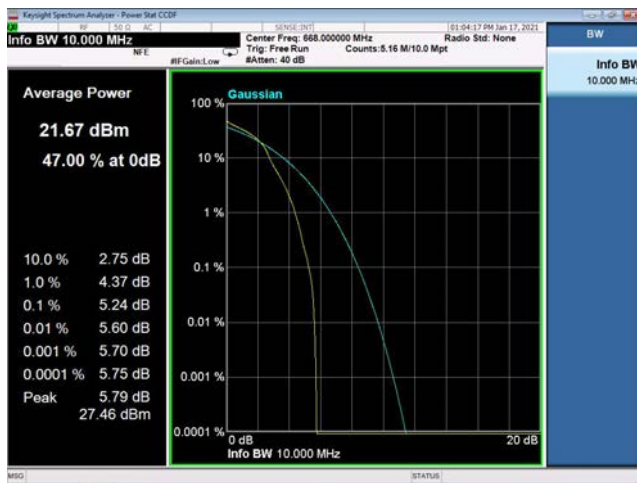
**20MHz / 16QAM / Low Channel****20MHz / 64QAM / Low Channel****20MHz / QPSK / Middle Channel****20MHz / 16QAM / Middle Channel****20MHz / 64QAM / Middle Channel****20MHz / QPSK / High Channel**

**20MHz / 16QAM / High Channel****20MHz / 64QAM / High Channel****LTE Band 71 _ Peak-to-Average Radio****5MHz / QPSK / Low Channel****5MHz / 16QAM / Low Channel****5MHz / 64QAM / Low Channel****5MHz / QPSK / Middle Channel**

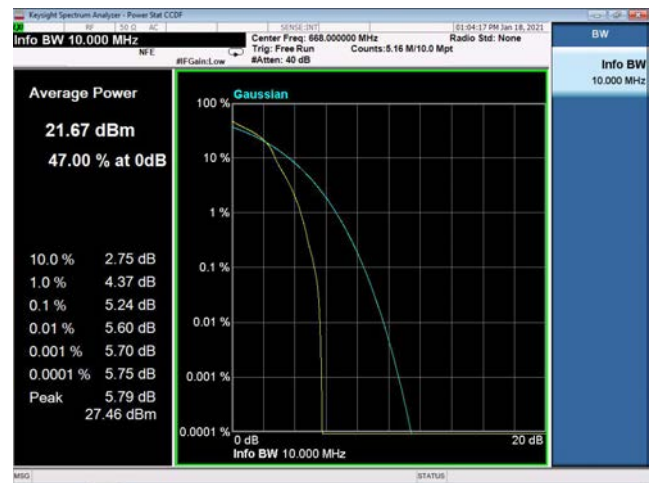
**5MHz / 16QAM / Middle Channel****5MHz / 64QAM / Middle Channel****5MHz / QPSK / High Channel****5MHz / 16QAM / High Channel****5MHz / 64QAM / High Channel****10MHz / QPSK / Low Channel**



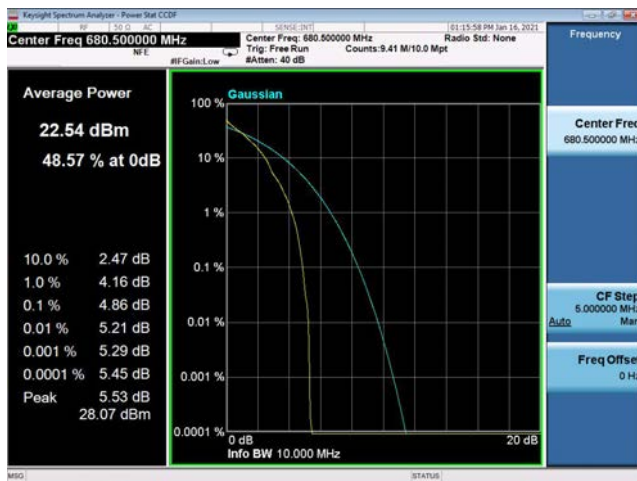
0MHz / 16QAM / Low Channel



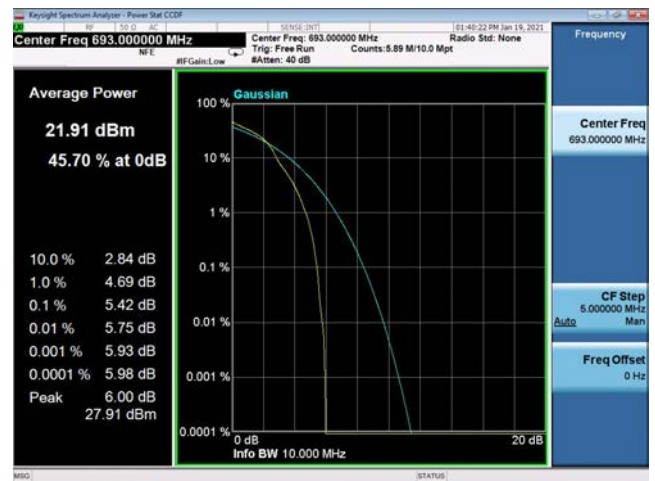
10MHz / 64QAM / Low Channel



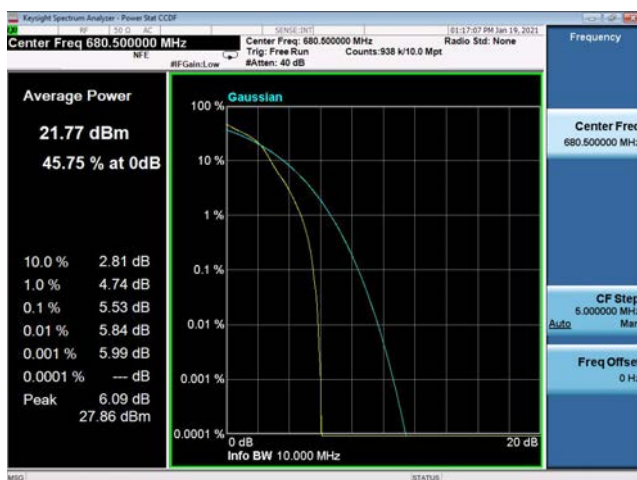
10MHz / QPSK / Middle Channel



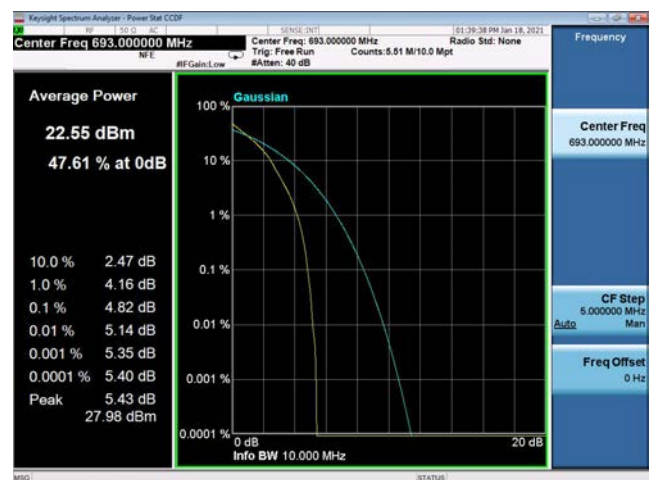
10MHz / 16QAM / Middle Channel

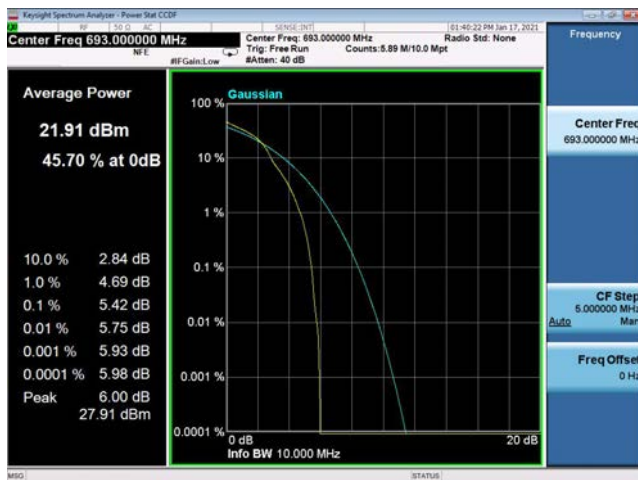
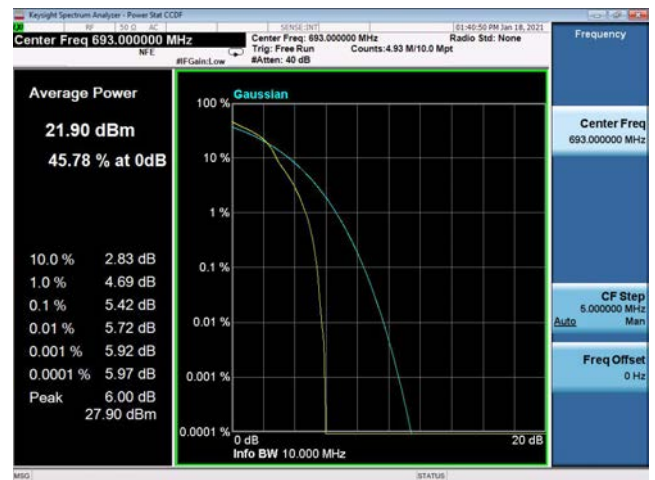
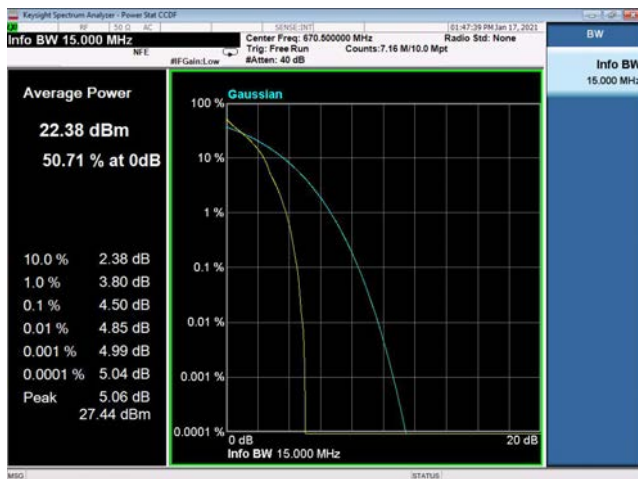
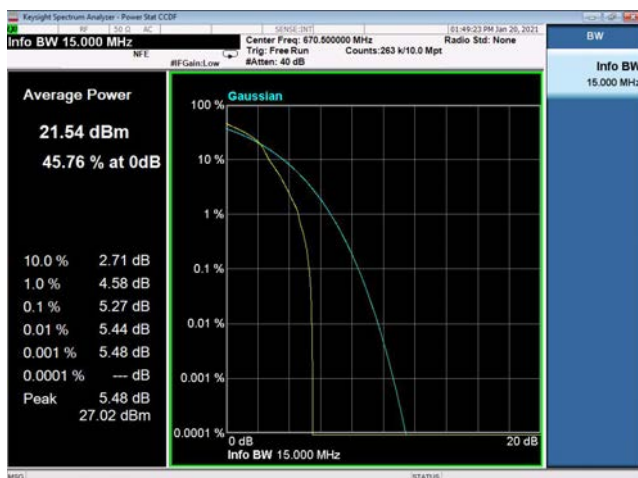
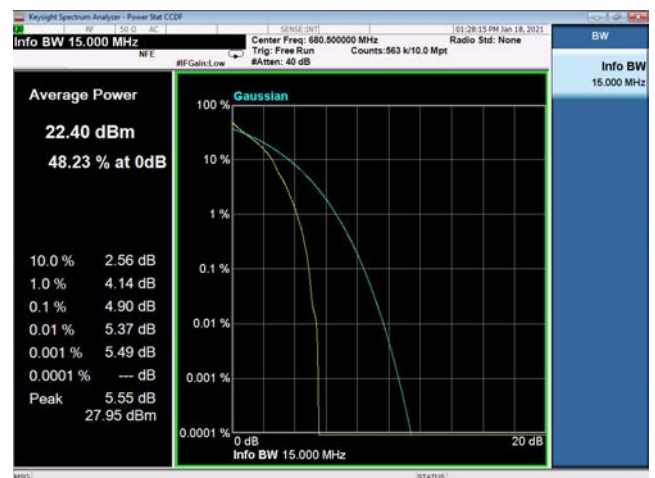


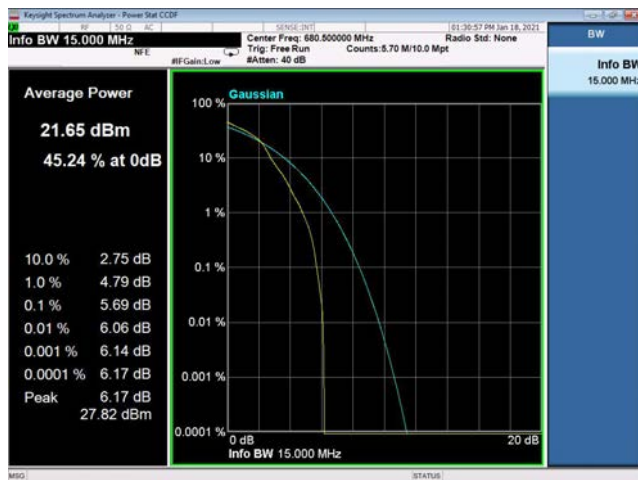
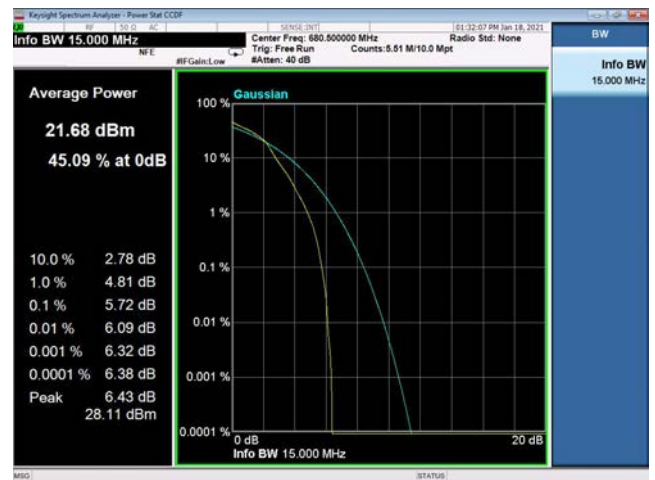
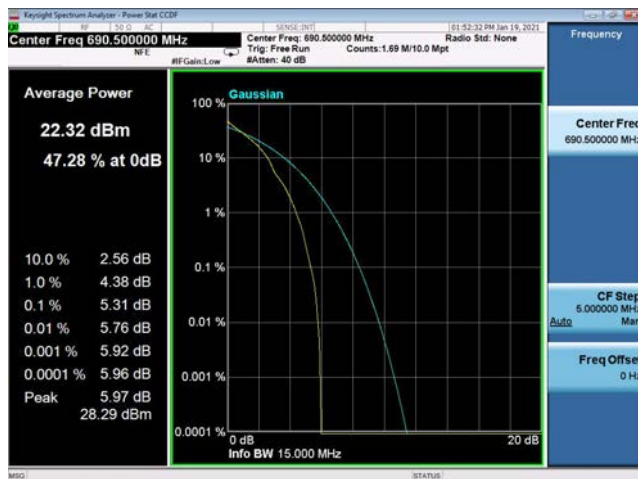
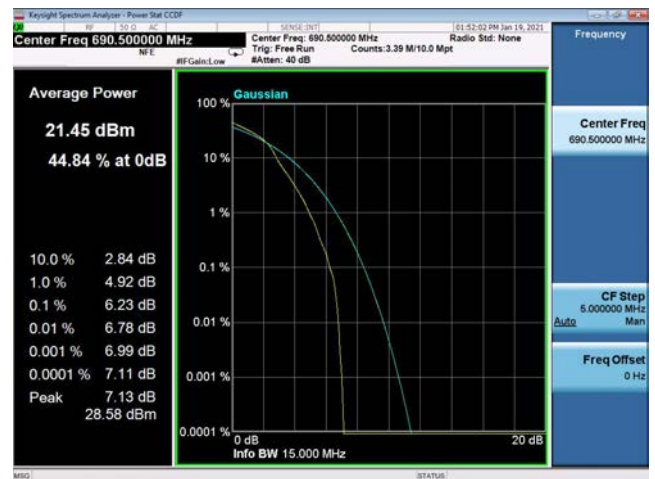
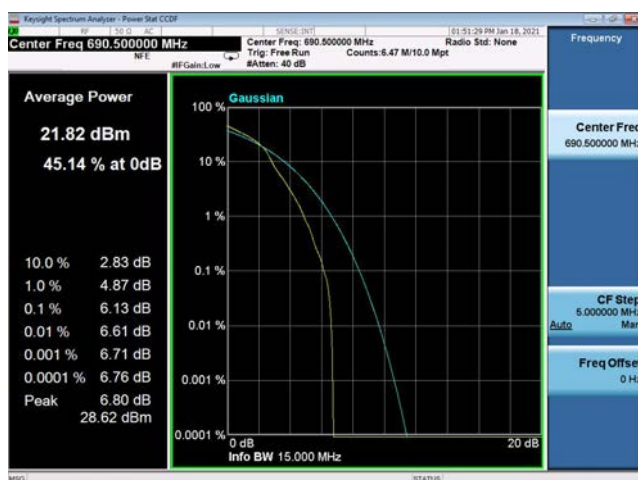
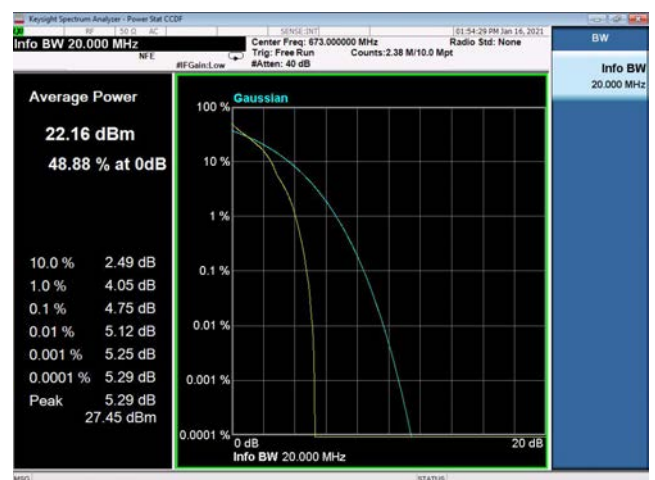
10MHz / 64QAM / Middle Channel



10MHz / QPSK / High Channel

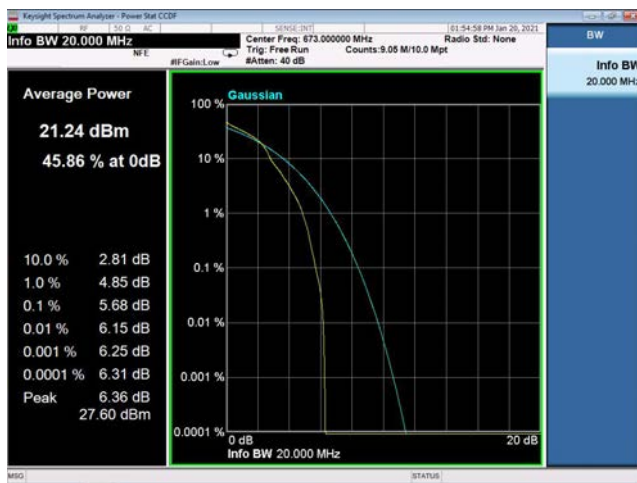


**10MHz / 16QAM / High Channel****10MHz / 64QAM / High Channel****15MHz / QPSK / Low Channel****15MHz / 16QAM / Low Channel****15MHz / 64QAM / Low Channel****15MHz / QPSK / Middle Channel**

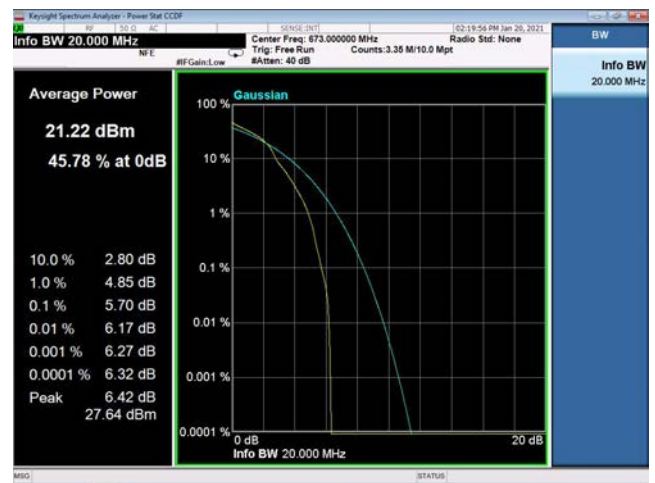
**15MHz / 16QAM / Middle Channel****15MHz / 64QAM / Middle Channel****15MHz / QPSK / High Channel****15MHz / 16QAM / High Channel****15MHz / 64QAM / High Channel****20MHz / QPSK / Low Channel**



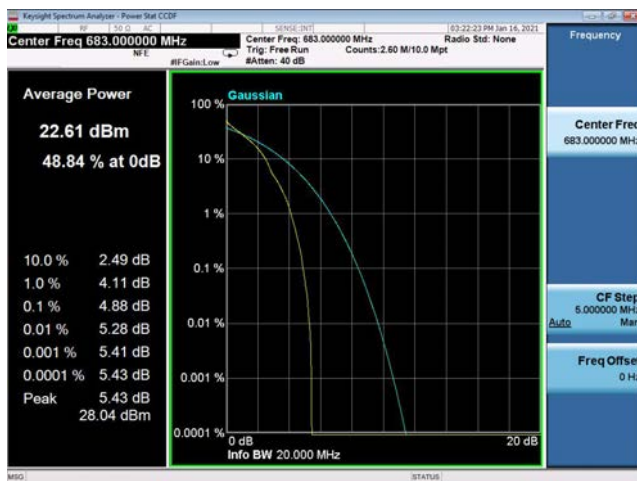
20MHz / 16QAM / Low Channel



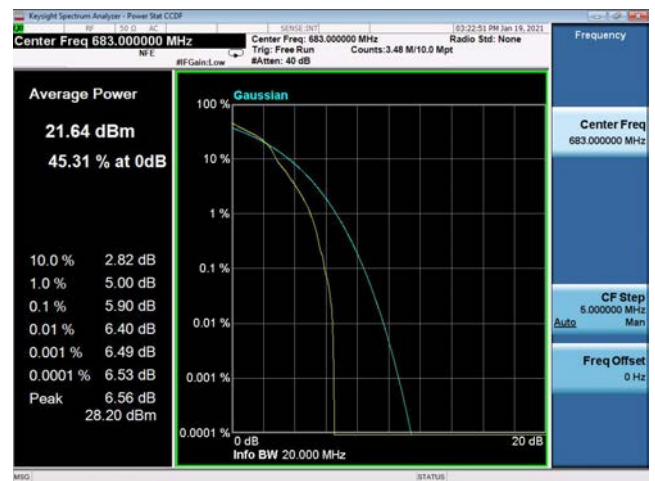
20MHz / 64QAM / Low Channel



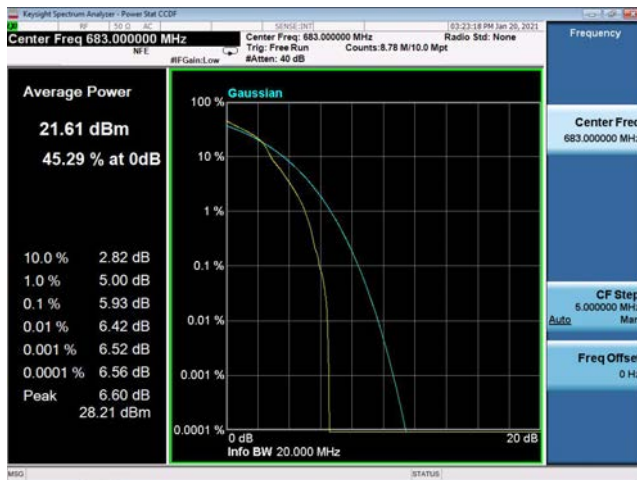
20MHz / QPSK / Middle Channel



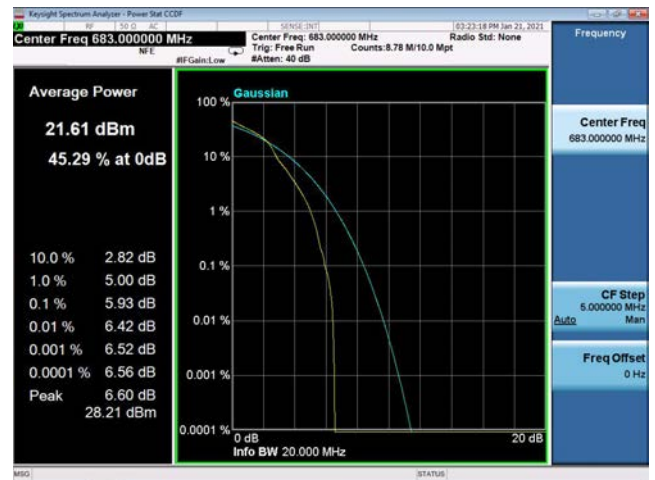
20MHz / 16QAM / Middle Channel

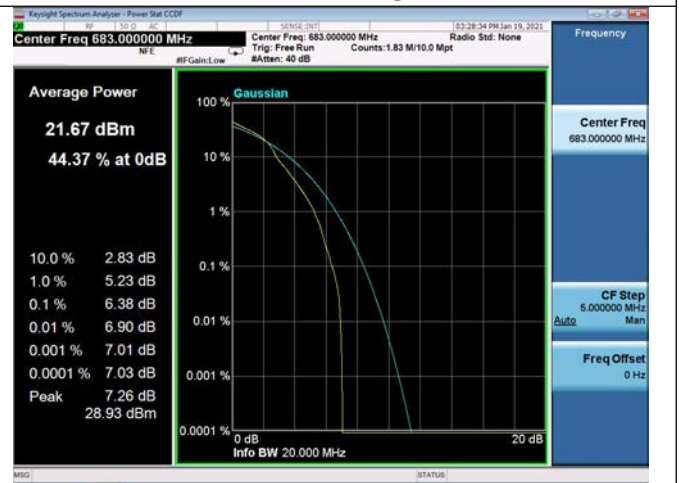


20MHz / 64QAM / Middle Channel



20MHz / QPSK / High Channel



**20MHz / 16QAM / High Channel****20MHz / 64QAM / High Channel**

2.5. Conducted Spurious Emissions

2.5.1. Requirement

According to FCC section 2.1051, 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. This calculated to be -13dBm.

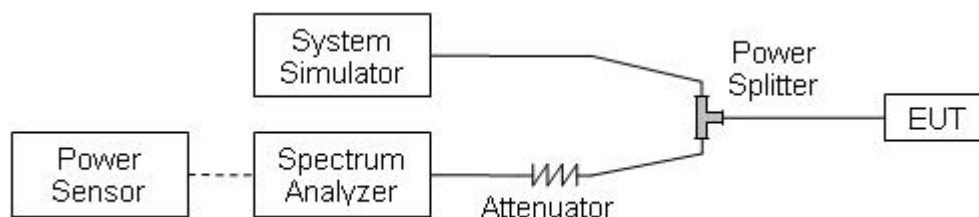
Additional requirement for LTE Band 7/38/41:

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 $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

Additional requirement for LTE Band 30/40:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $70 + 10 \log(P)$ dB. This calculated to be -40dBm.

2.5.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.



2.5.3. Test procedure

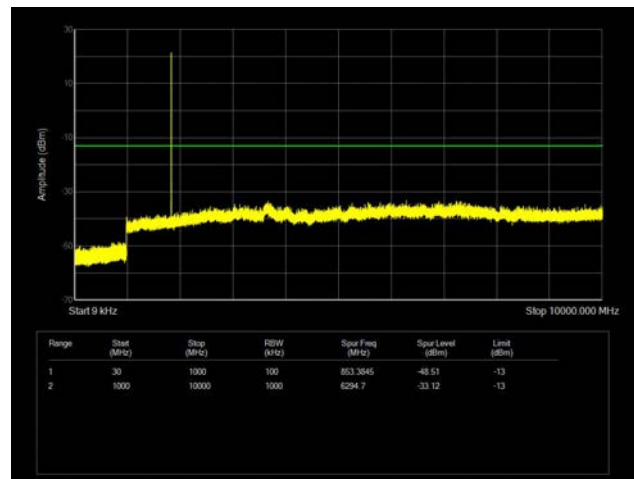
KDB 971168 D01 v03r01 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result

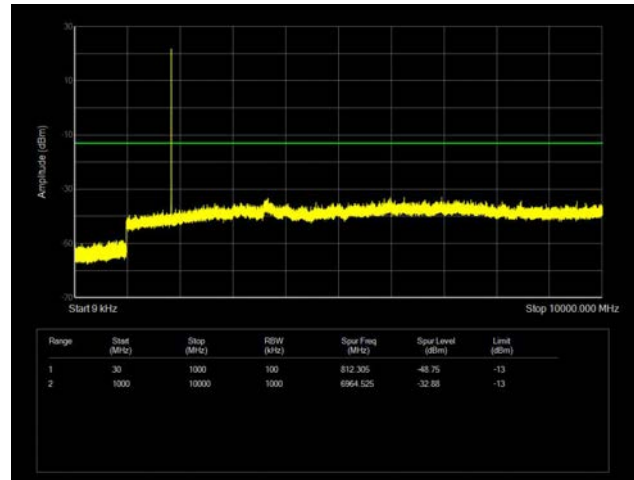
NOTE: Above 10GHz we was tested and the result which was 10dB lower than the limit was not recorded.

LTE Band 2 _ 1.4MHz BW _ Low Channel

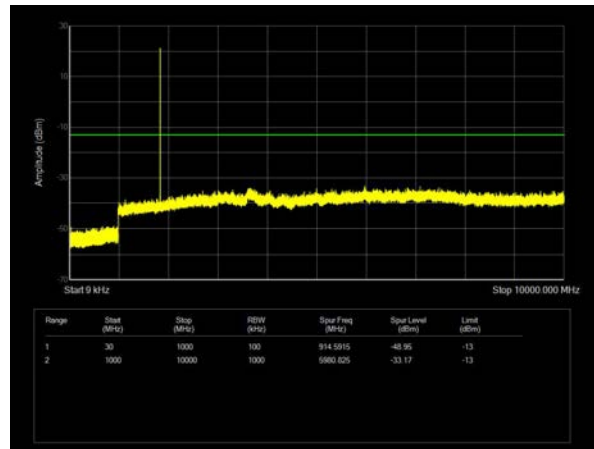
QPSK



16QAM

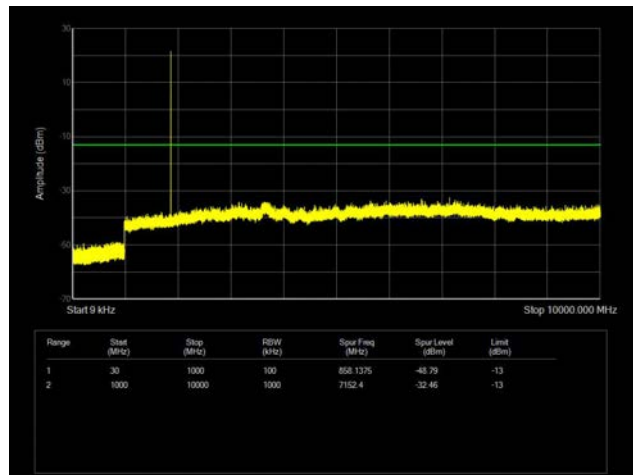


64QAM

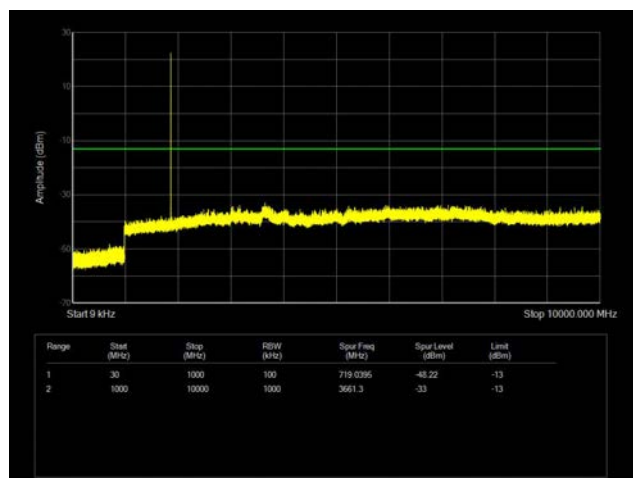


LTE Band 2 _ 1.4MHz BW _ Middle Channel

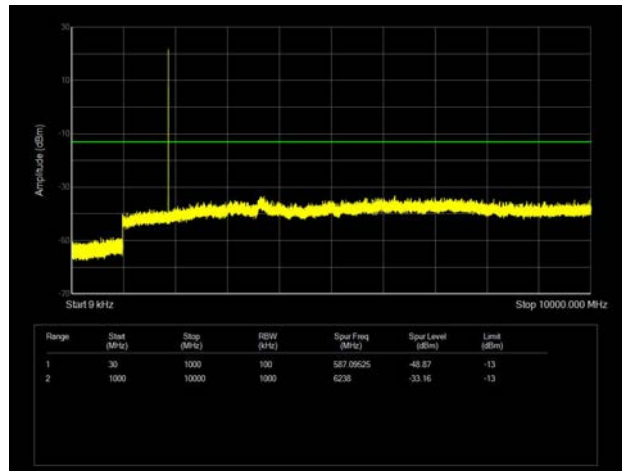
QPSK



16QAM

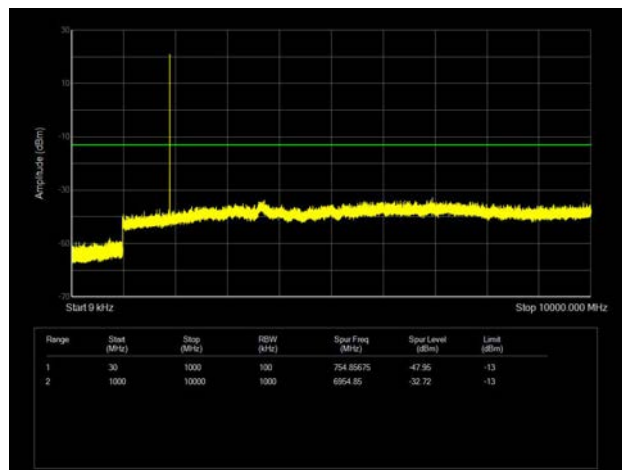


64QAM

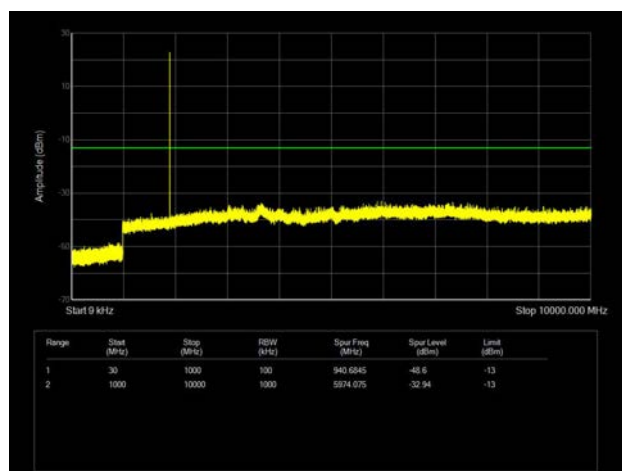


LTE Band 2 _ 1.4MHz BW _ High Channel

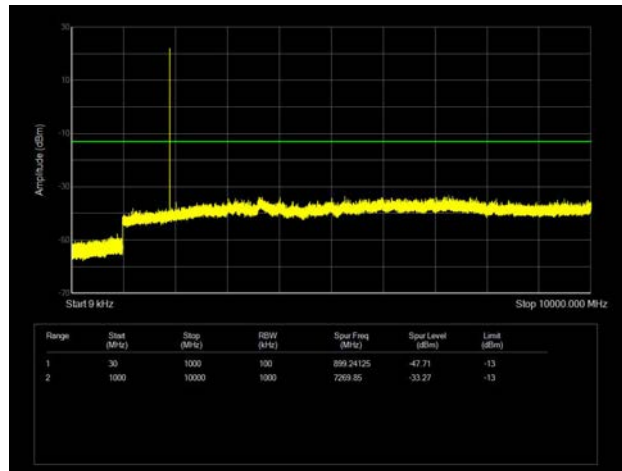
QPSK



16QAM

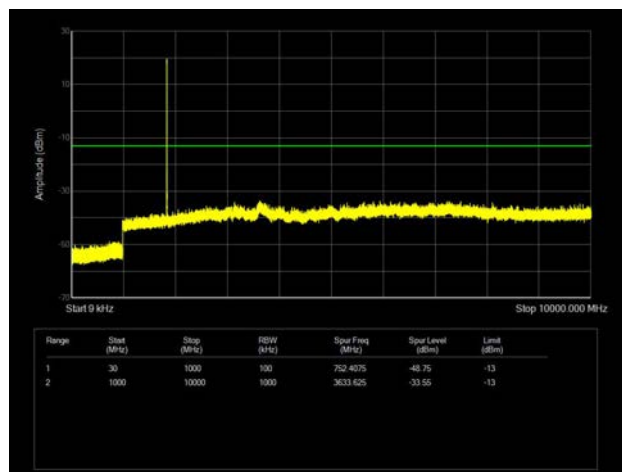


64QAM

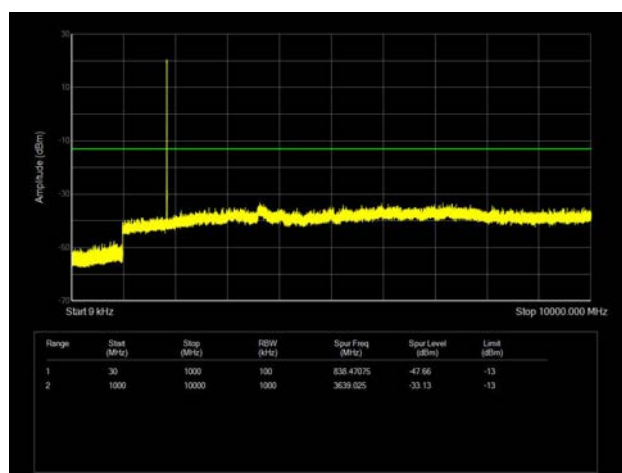


LTE Band 2 _ 3MHz BW _ Low Channel

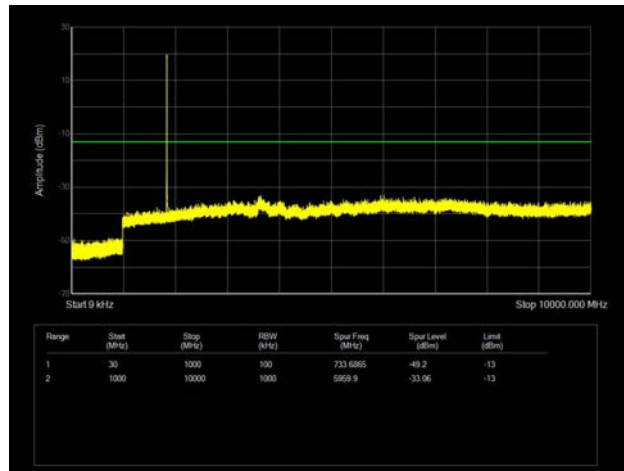
QPSK



16QAM

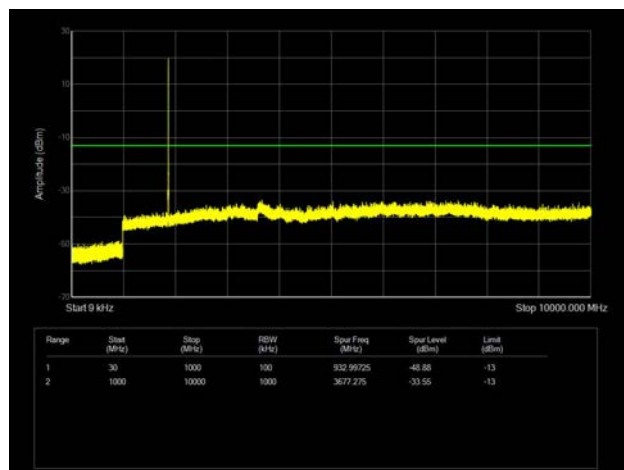


64QAM

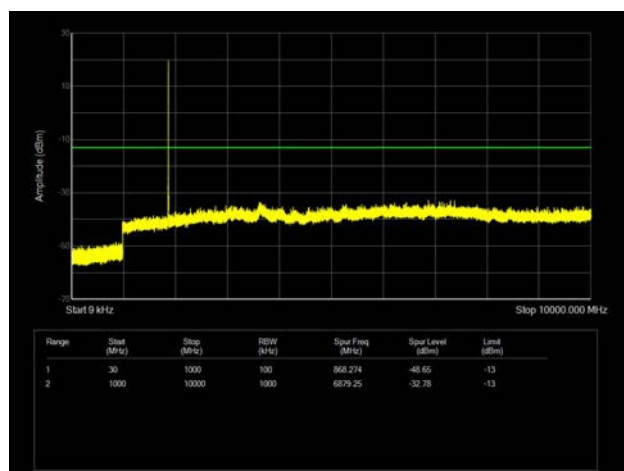


LTE Band 2 _ 3MHz BW _ Middle Channel

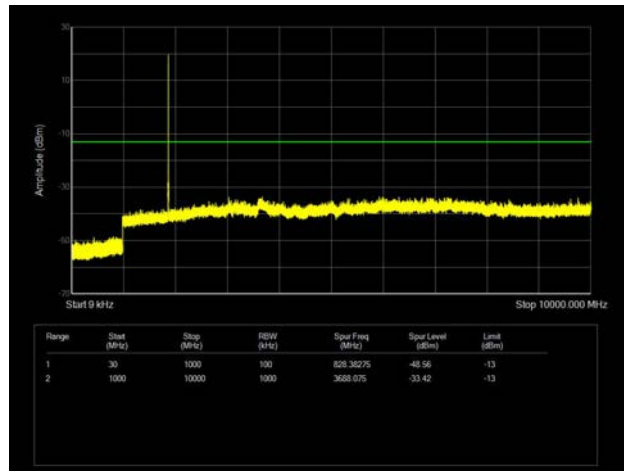
QPSK



16QAM

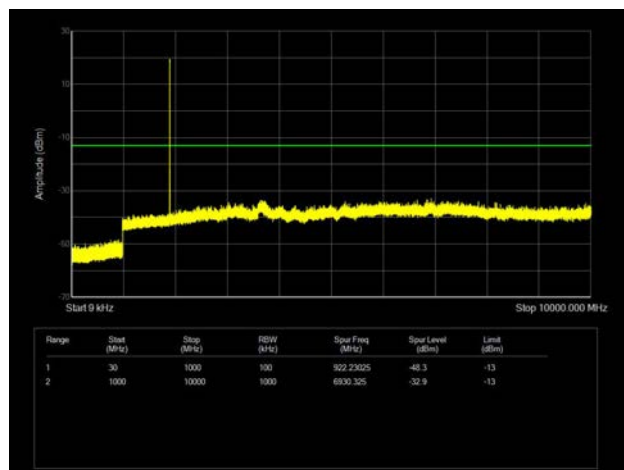


64QAM

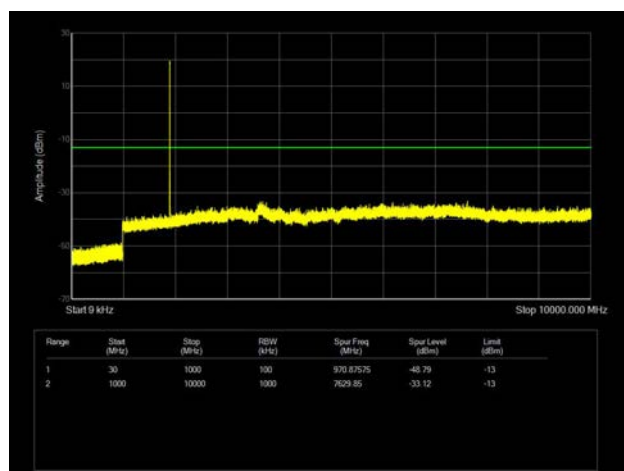


LTE Band 2 _ 3MHz BW _ High Channel

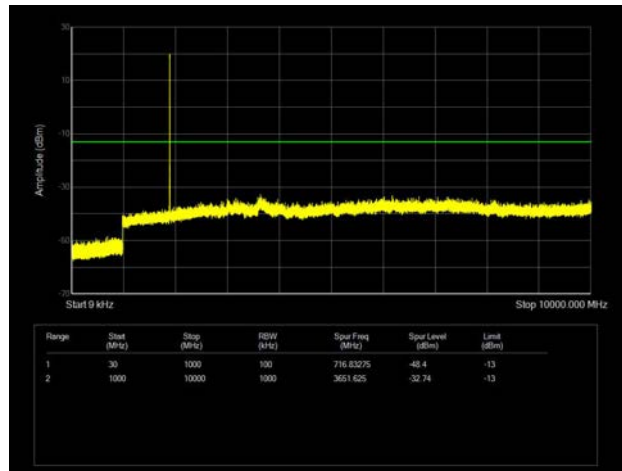
QPSK



16QAM

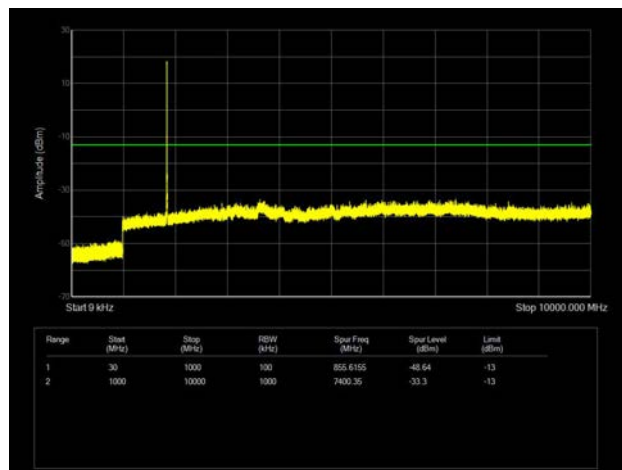


64QAM

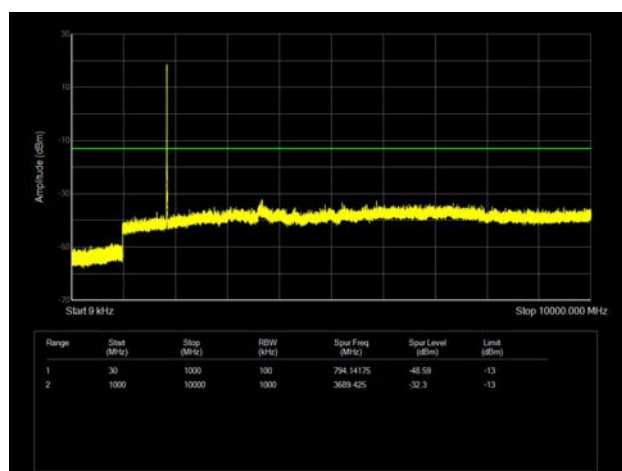


LTE Band 2 _ 5MHz BW _ Low Channel

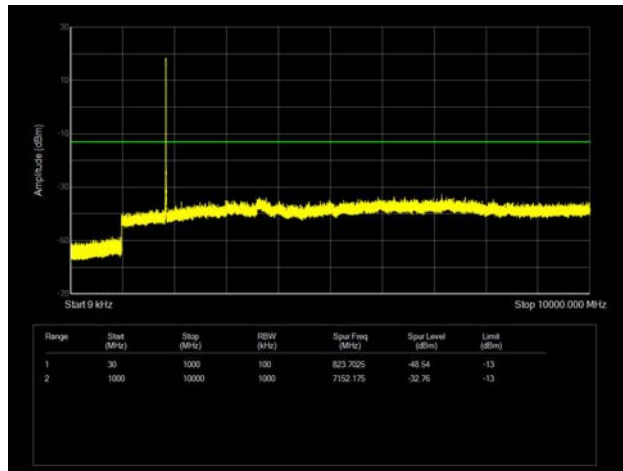
QPSK



16QAM

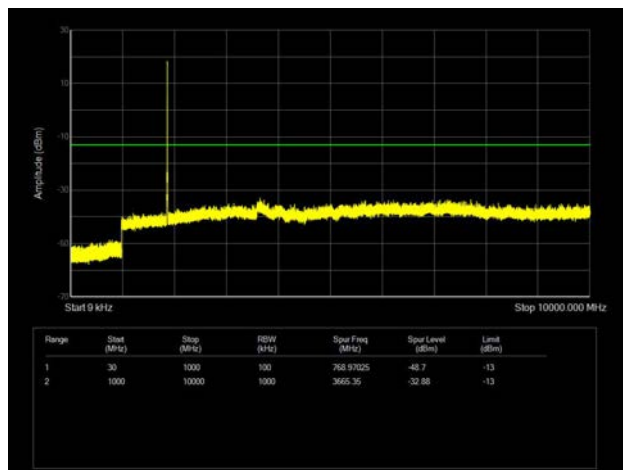


64QAM

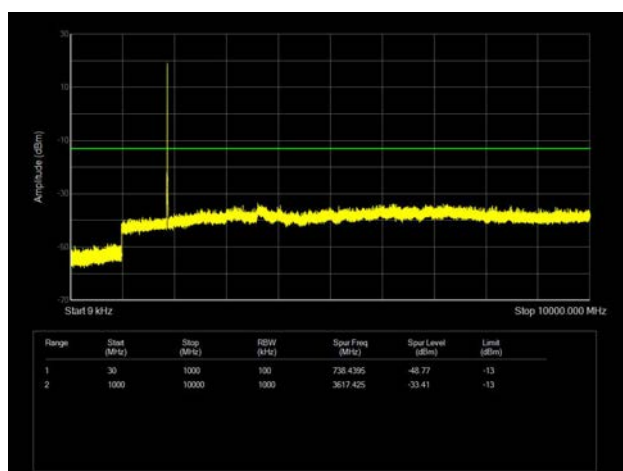


LTE Band 2 _ 5MHz BW _ Middle Channel

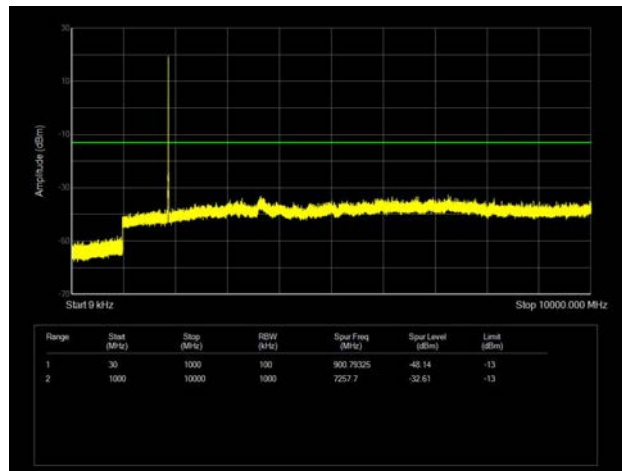
QPSK



16QAM

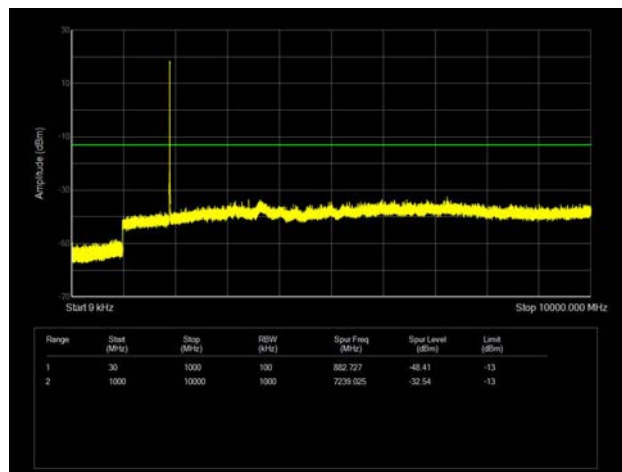


64QAM

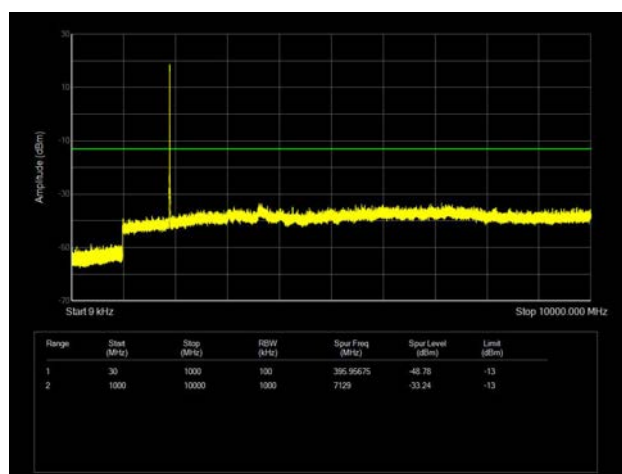


LTE Band 2 _ 5MHz BW _ High Channel

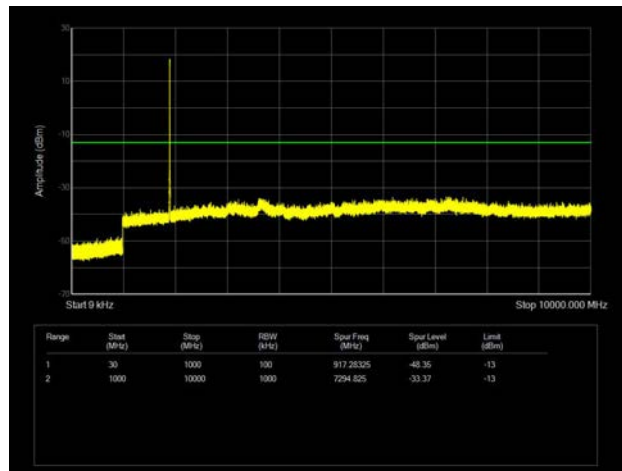
QPSK



16QAM

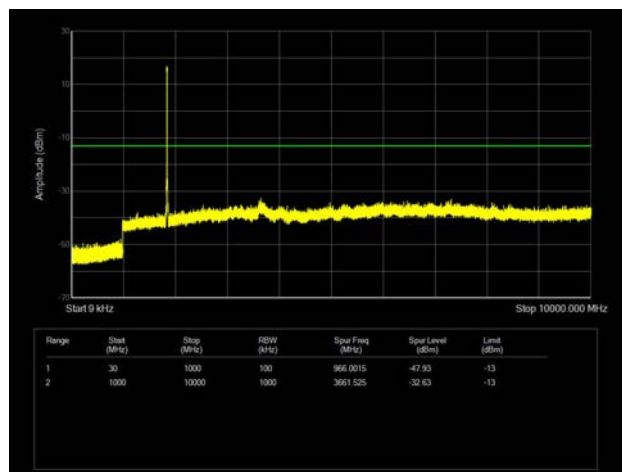


64QAM

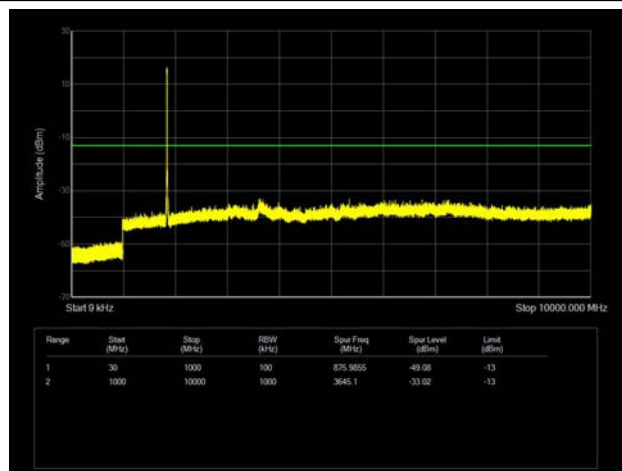


LTE Band 2 _ 10MHz BW _ Low Channel

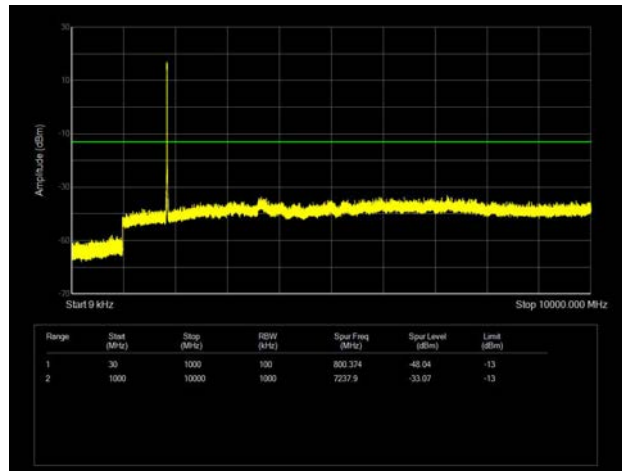
QPSK



16QAM

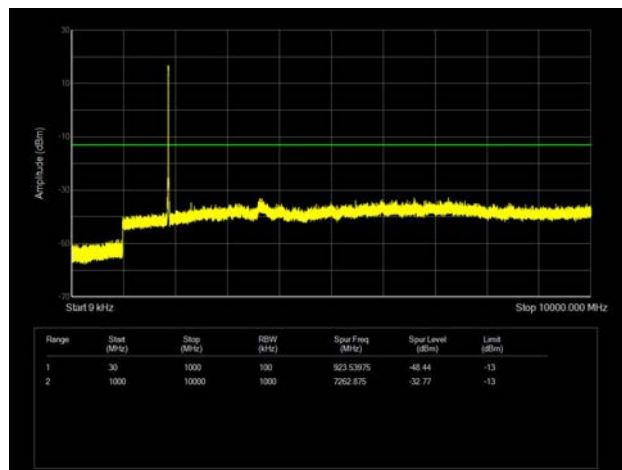


64QAM

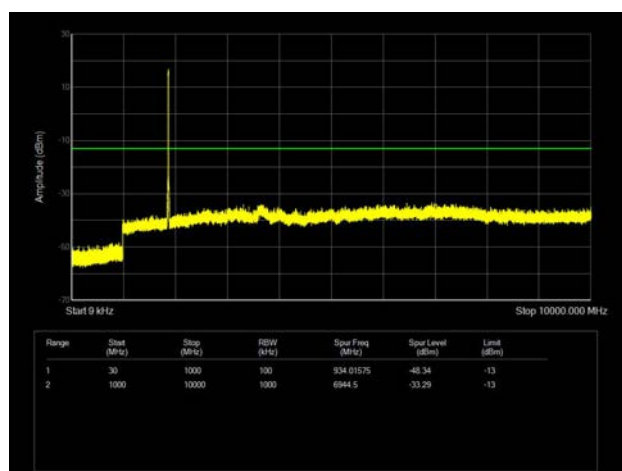


LTE Band 2 _ 10MHz BW _ Middle Channel

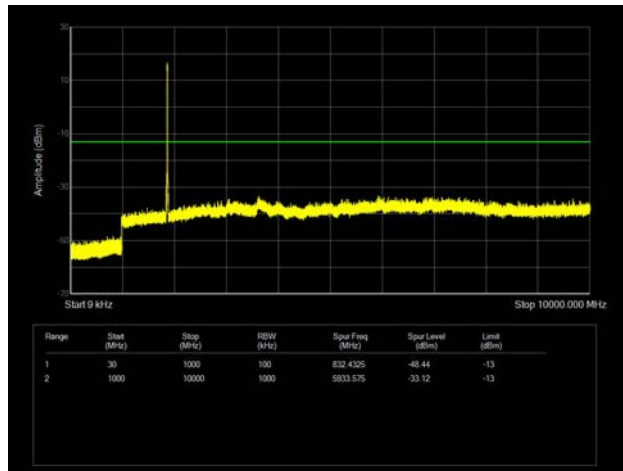
QPSK



16QAM

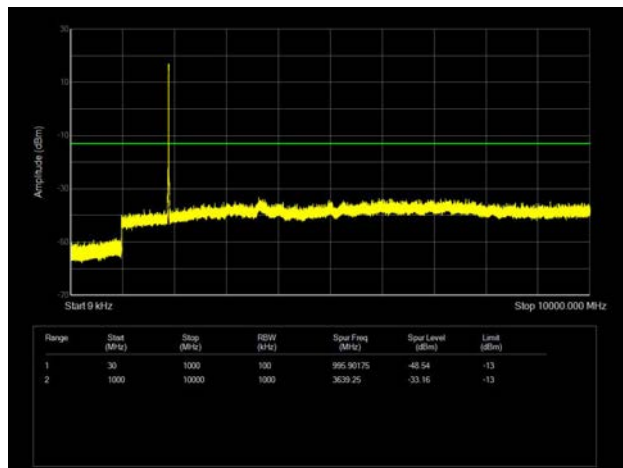


64QAM

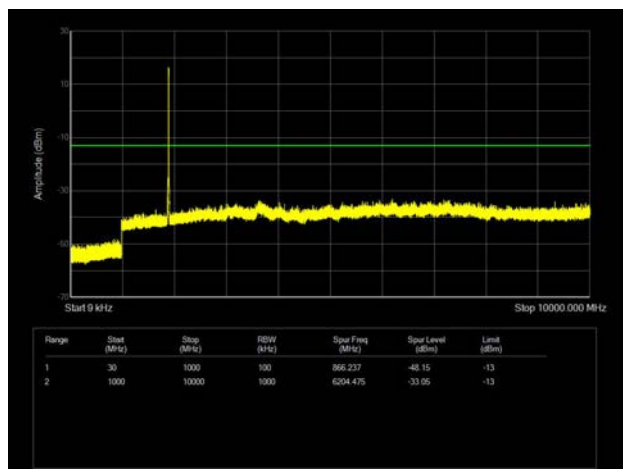


LTE Band 2 _ 10MHz BW _ High Channel

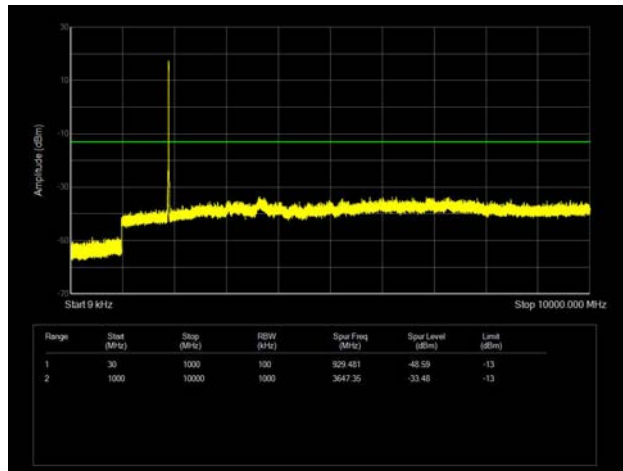
QPSK



16QAM

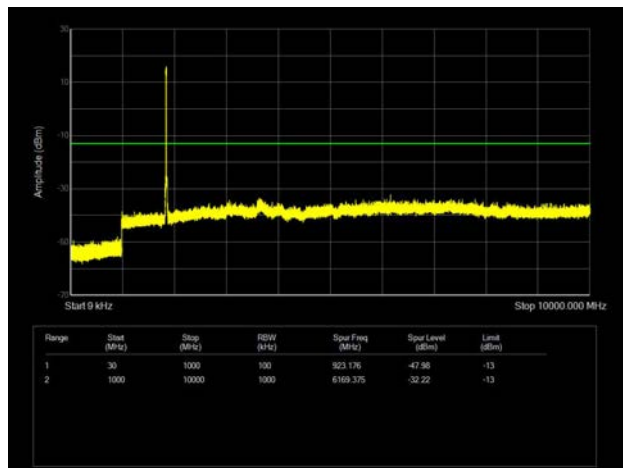


64QAM

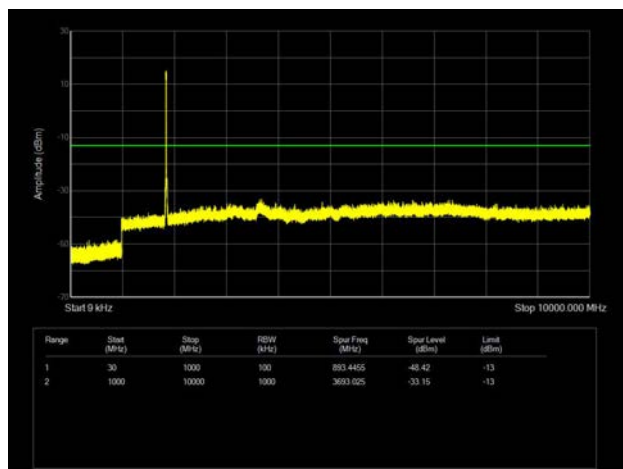


LTE Band 2 _ 15MHz BW _ Low Channel

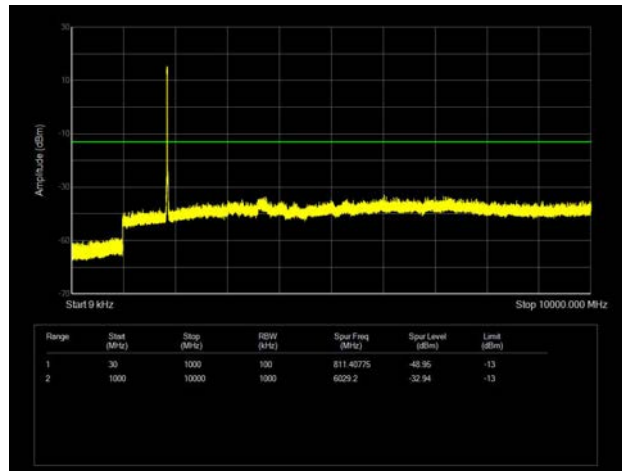
QPSK



16QAM

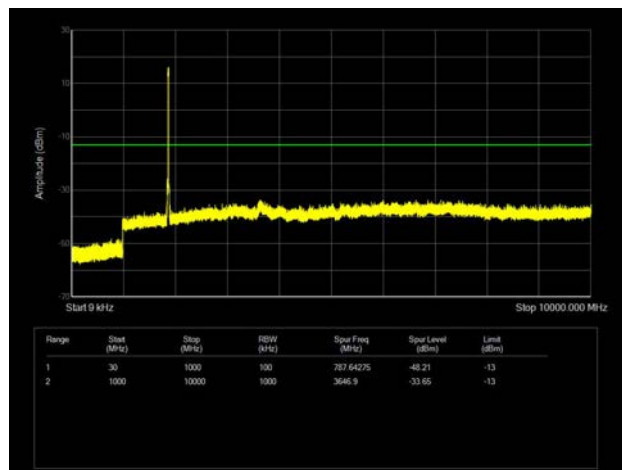


64QAM

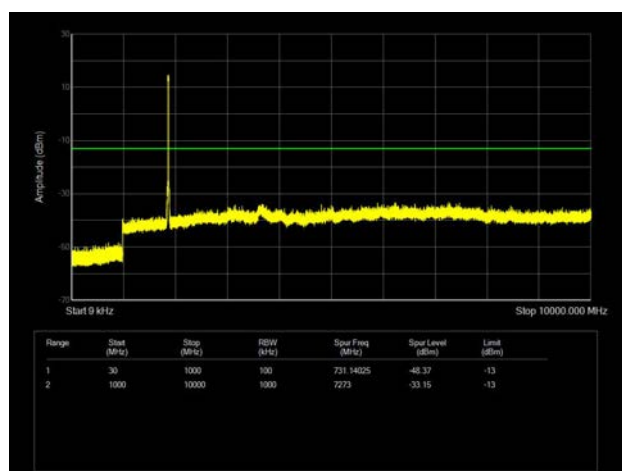


LTE Band 2 _ 15MHz BW _ Middle Channel

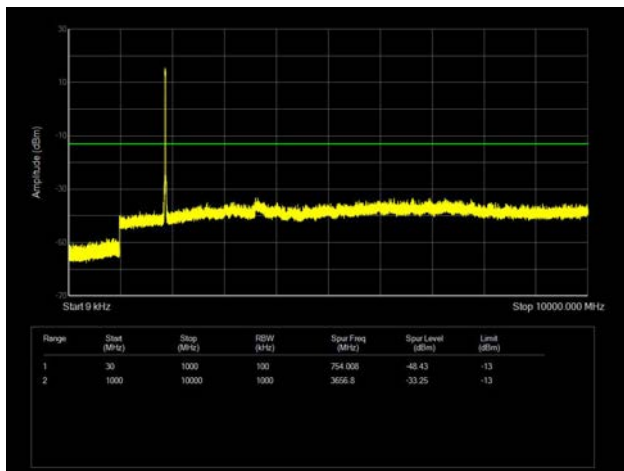
QPSK



16QAM

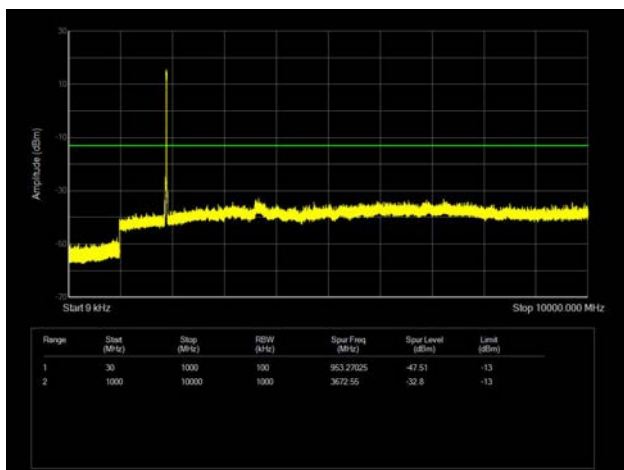


64QAM

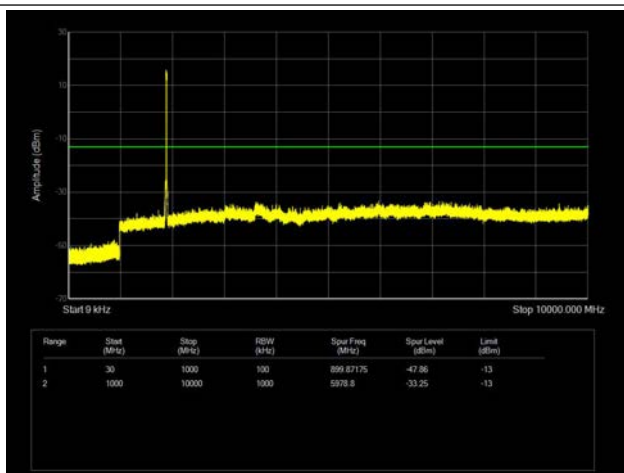


LTE Band 2 _ 15MHz BW _ High Channel

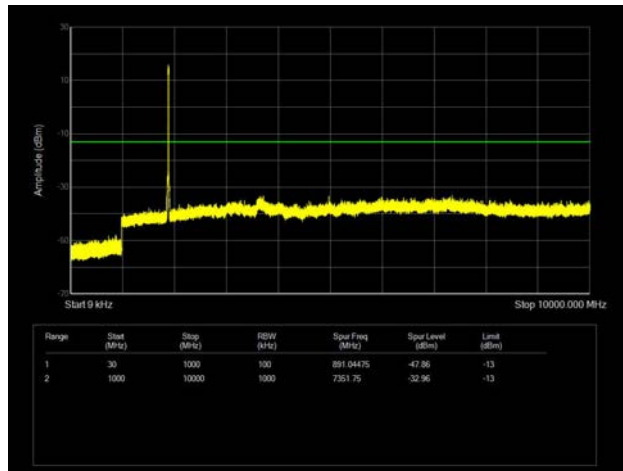
QPSK



16QAM

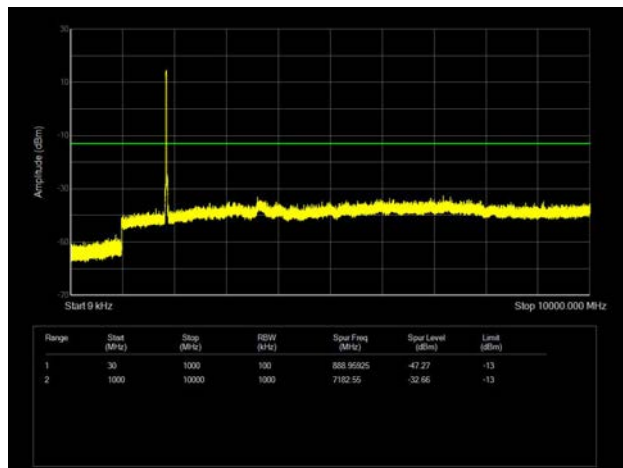


64QAM

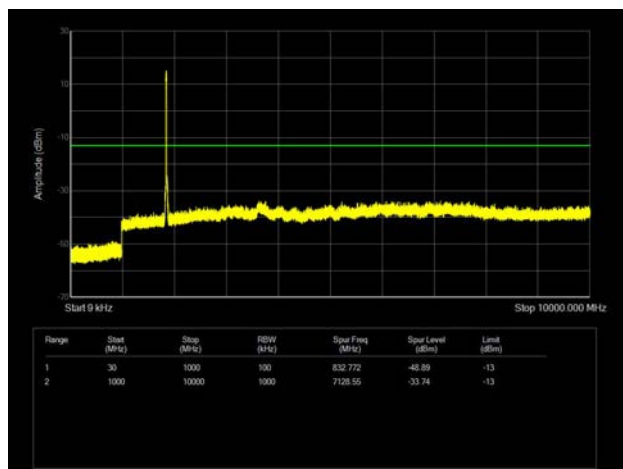


LTE Band 2 _ 20MHz BW _ Low Channel

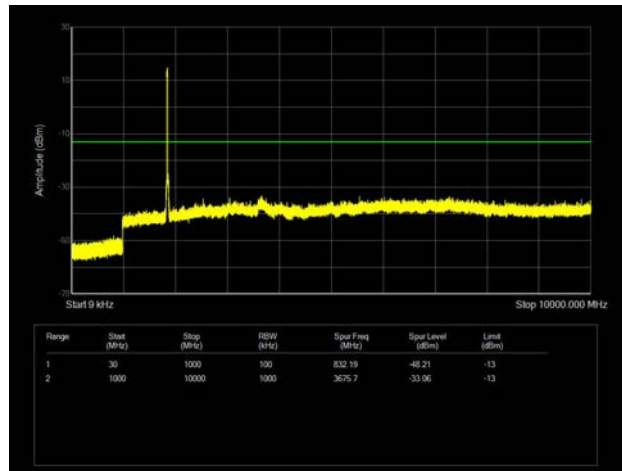
QPSK



16QAM

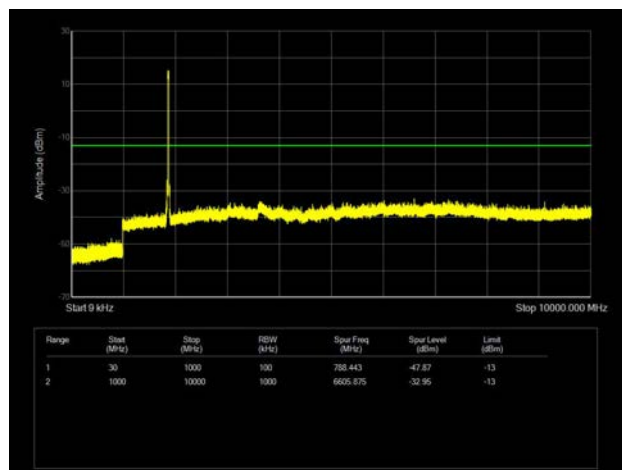


64QAM

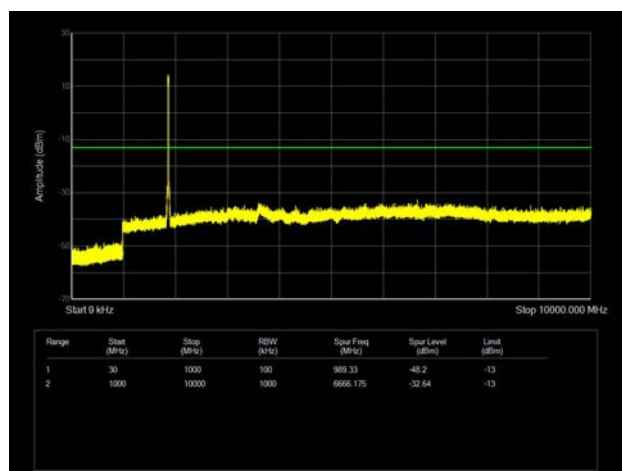


LTE Band 2 _ 20MHz BW _ Middle Channel

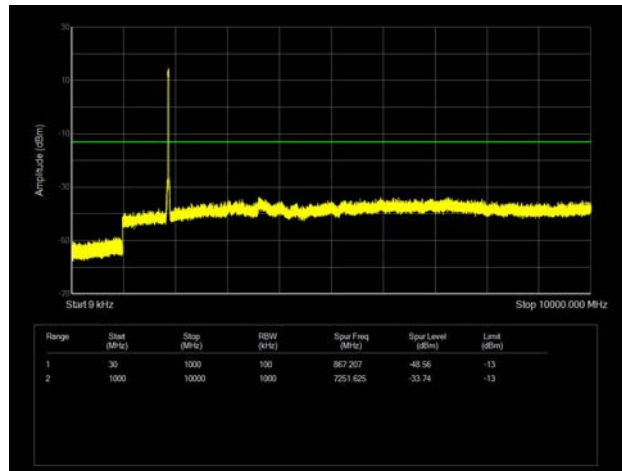
QPSK



16QAM

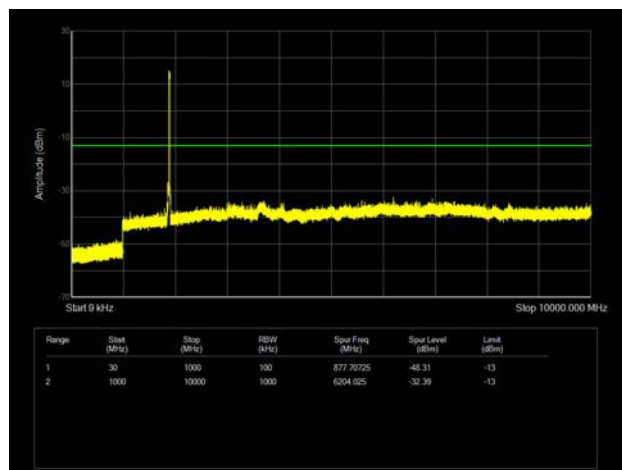


64QAM

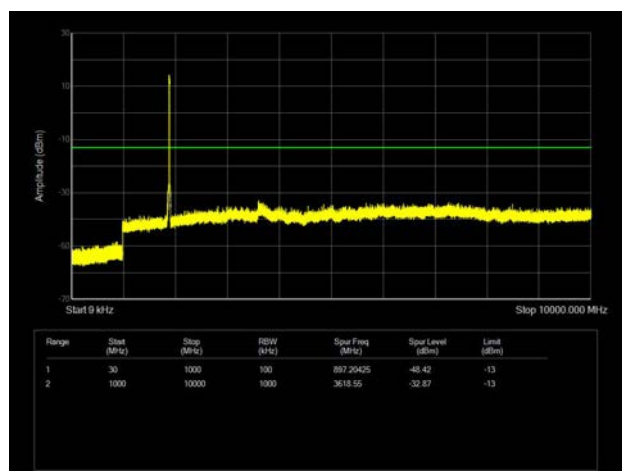


LTE Band 2 _ 20MHz BW _ High Channel

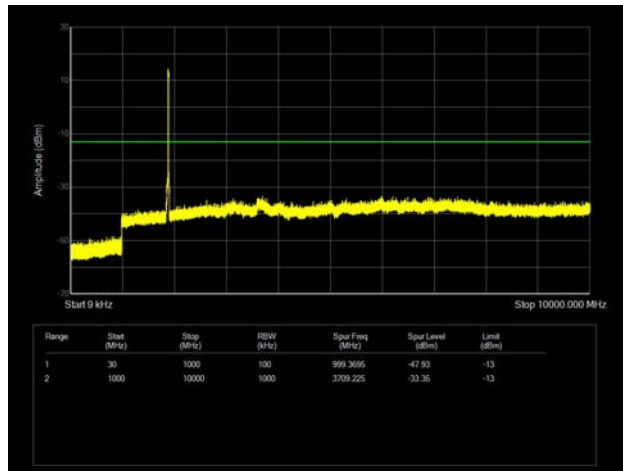
QPSK



16QAM

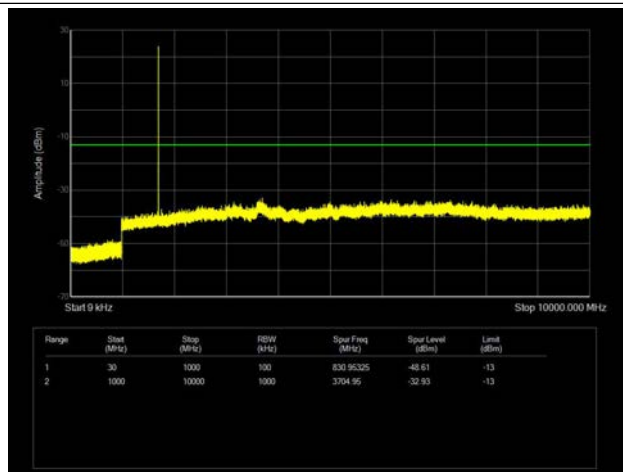


64QAM

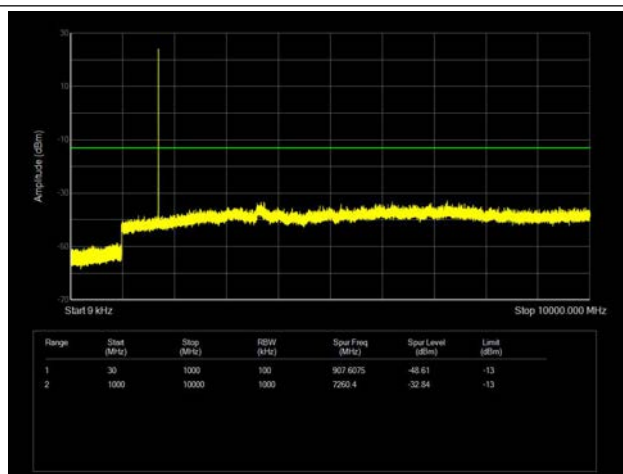


LTE Band 4 _ 1.4MHz BW _ Low Channel

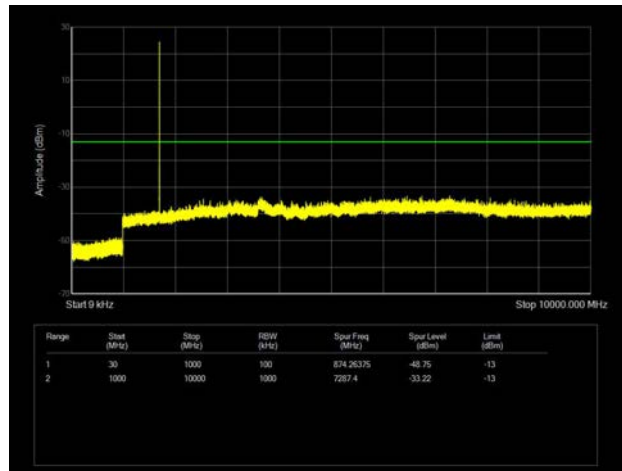
QPSK



16QAM

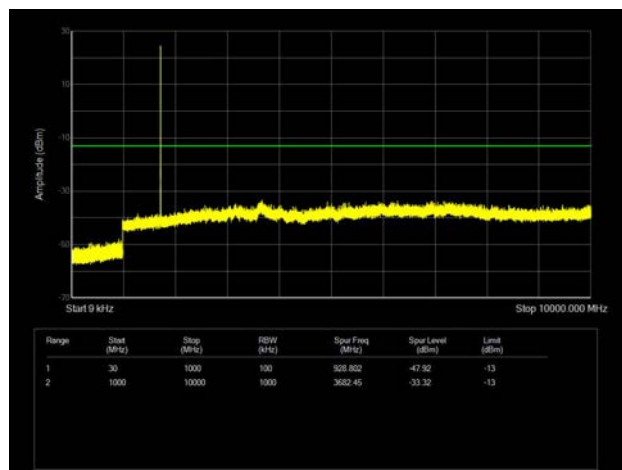


64QAM

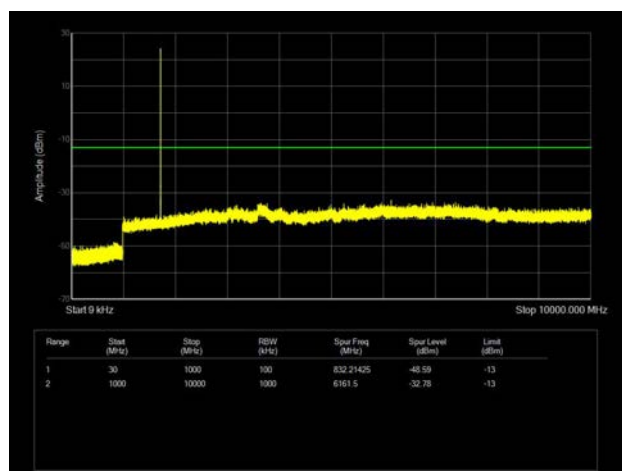


LTE Band 4 _ 1.4MHz BW _ Middle Channel

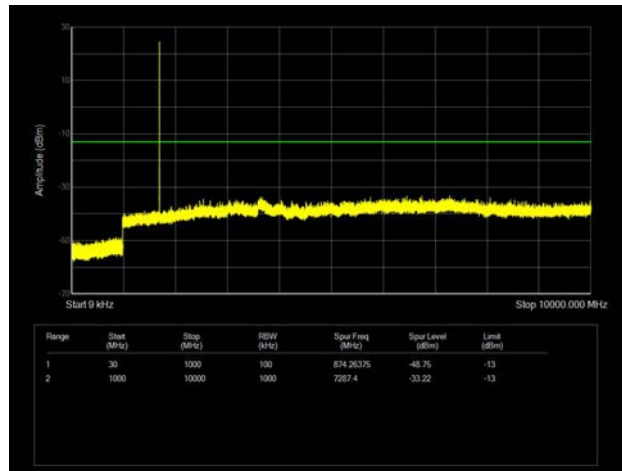
QPSK



16QAM

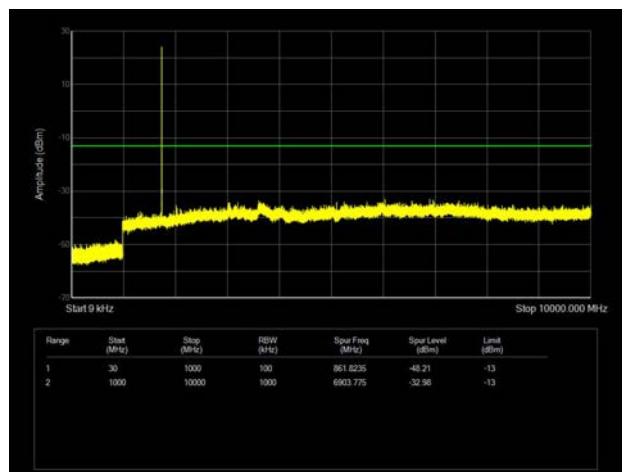


64QAM

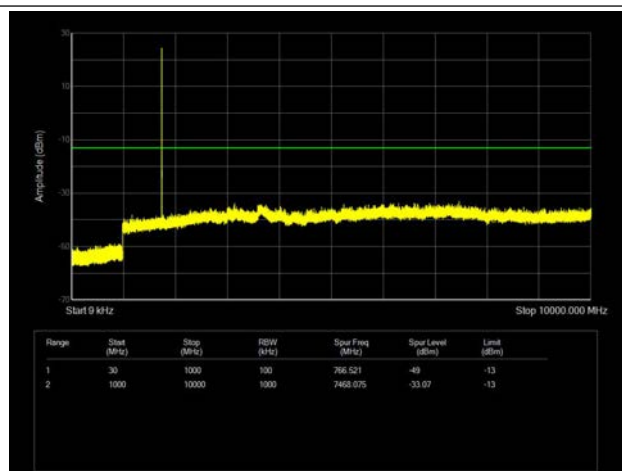


LTE Band 4 _ 1.4MHz BW _ High Channel

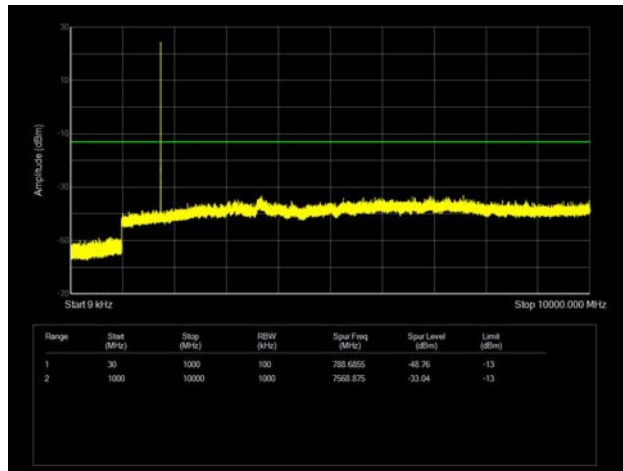
QPSK



16QAM

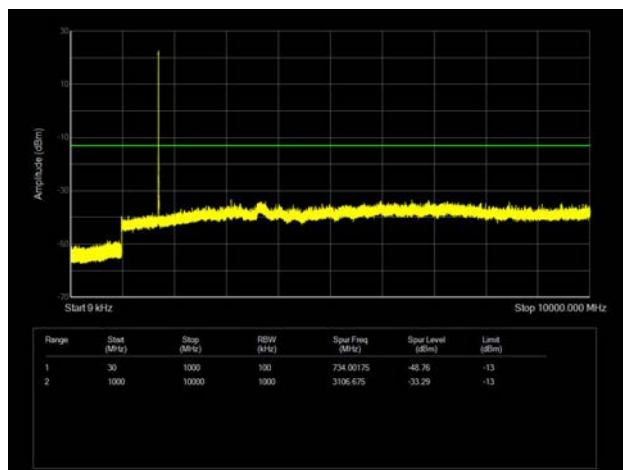


64QAM



LTE Band 4 _ 3MHz BW _ Low Channel

QPSK



16QAM

