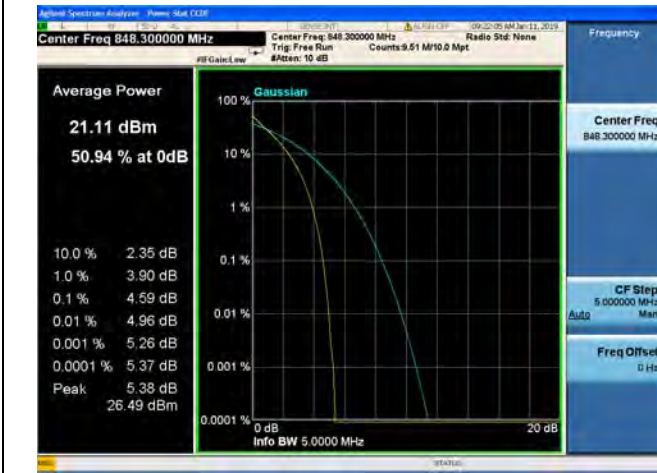
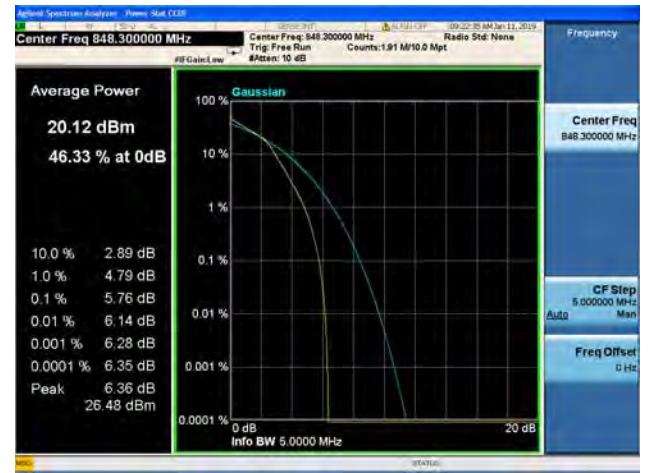




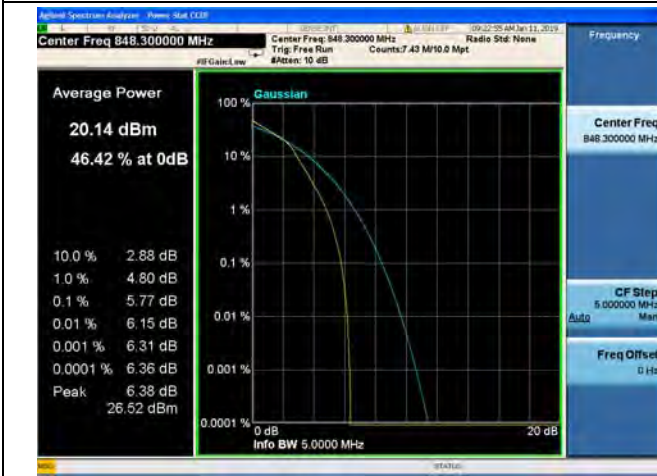
**1.4MHz / QPSK / HCH**



**1.4MHz / 16QAM / HCH**



**1.4MHz / 64QAM / HCH**



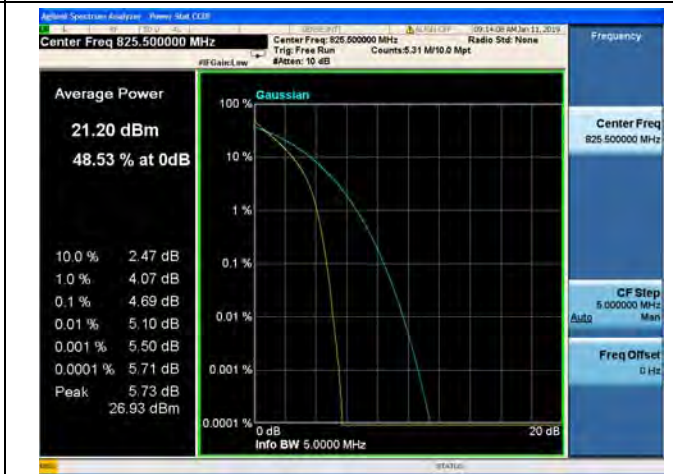


LTE Band 26 Peak-to-Average Ratio

3MHz / QPSK / LCH



3MHz / 16QAM / LCH



3MHz / 64QAM / LCH



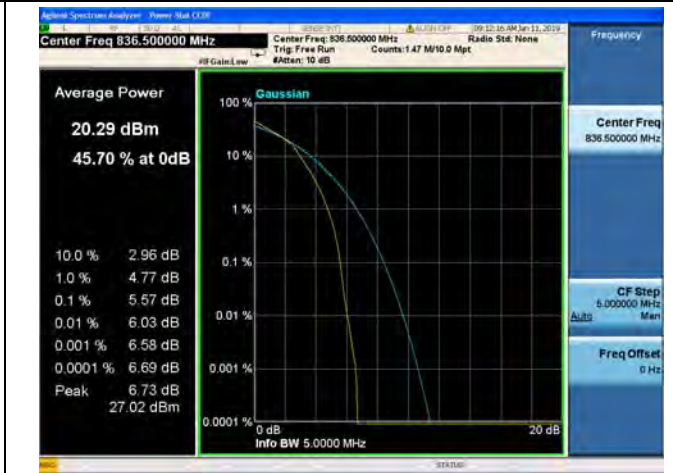
3MHz / QPSK / MCH



3MHz / 16QAM / MCH

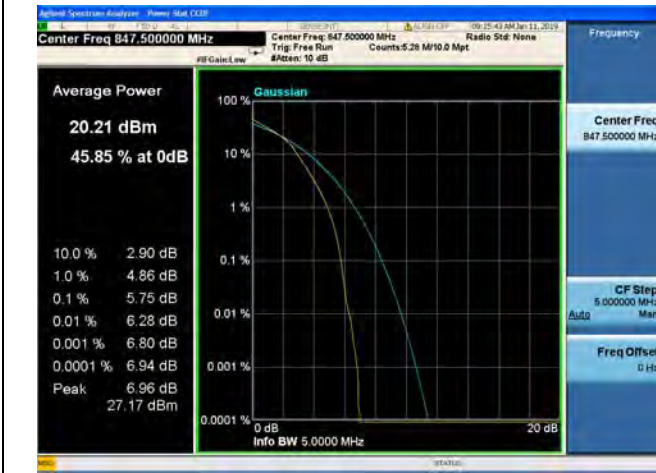


3MHz / 64QAM / MCH





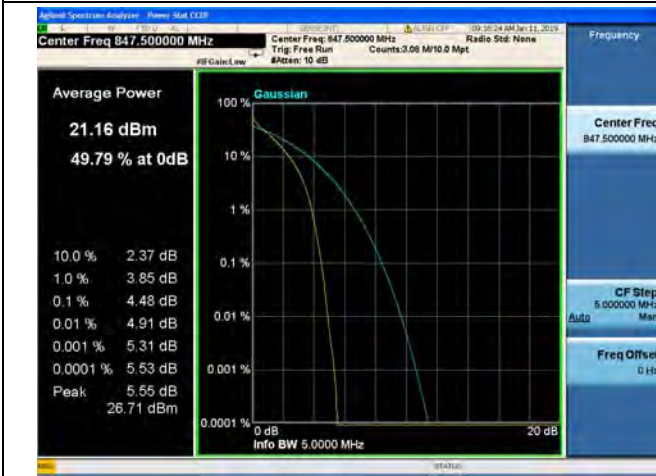
**3MHz / QPSK / HCH**



**3MHz / 16QAM / HCH**



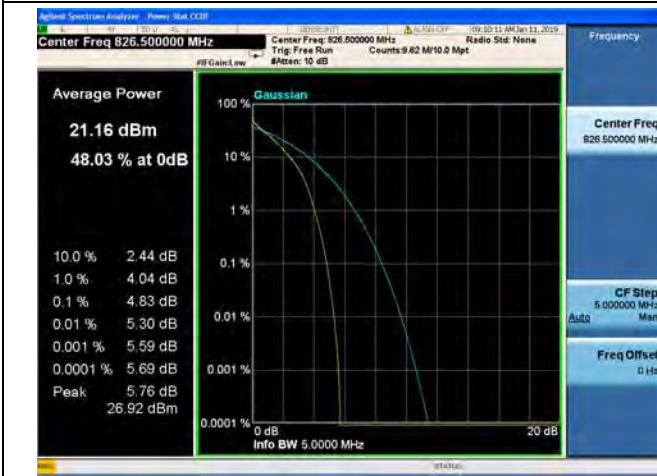
**3MHz / 64QAM / HCH**





LTE Band 26 Peak-to-Average Ratio

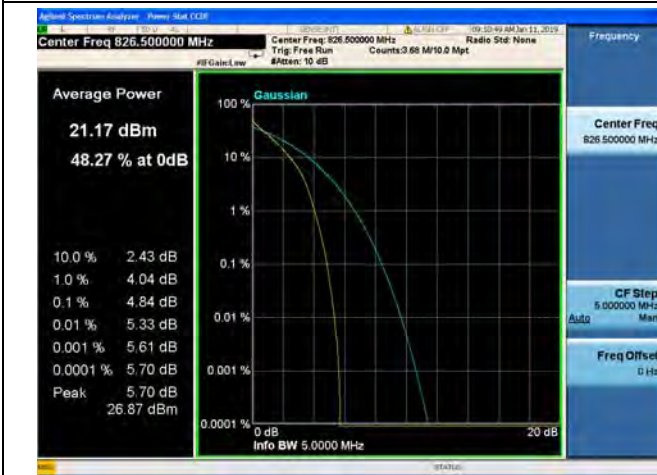
5MHz / QPSK / LCH



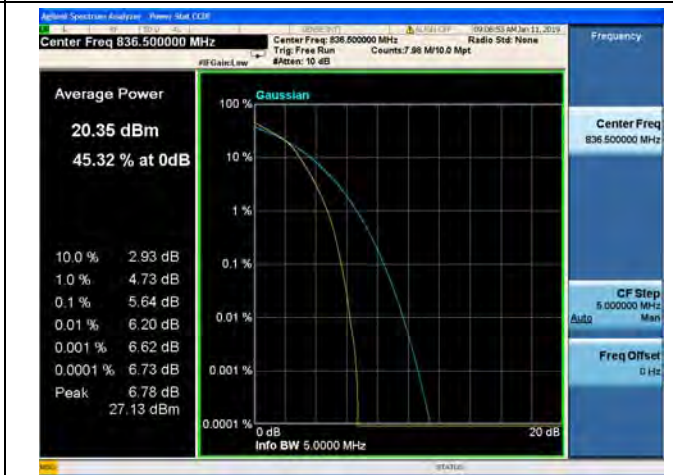
5MHz / 16QAM / LCH



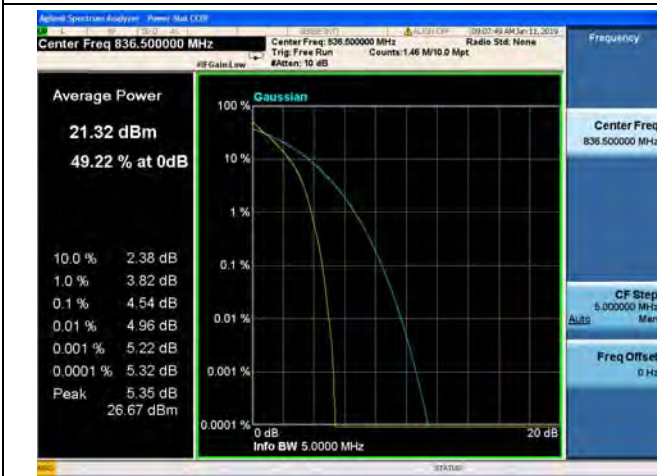
5MHz / 64QAM / LCH



5MHz / QPSK / MCH



5MHz / 16QAM / MCH

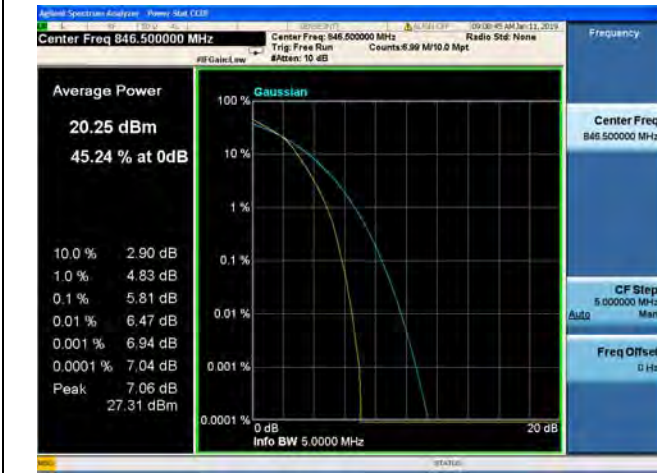


5MHz / 64QAM / MCH

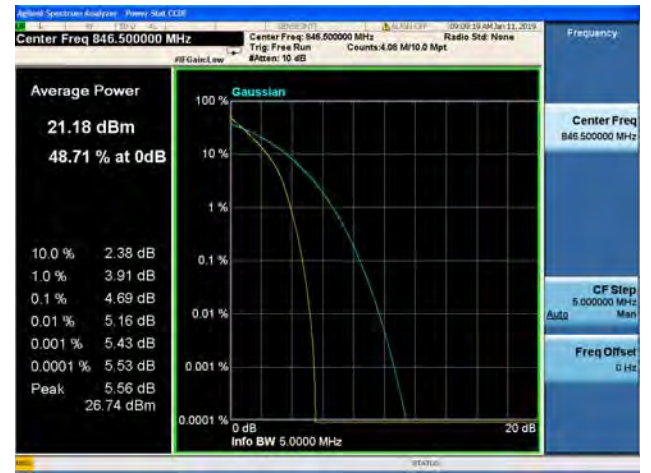




**5MHz / QPSK / HCH**



**5MHz / 16QAM / HCH**



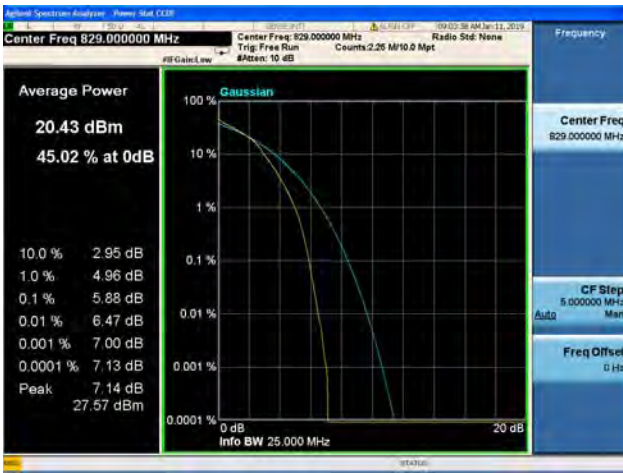
**5MHz / 64QAM / HCH**



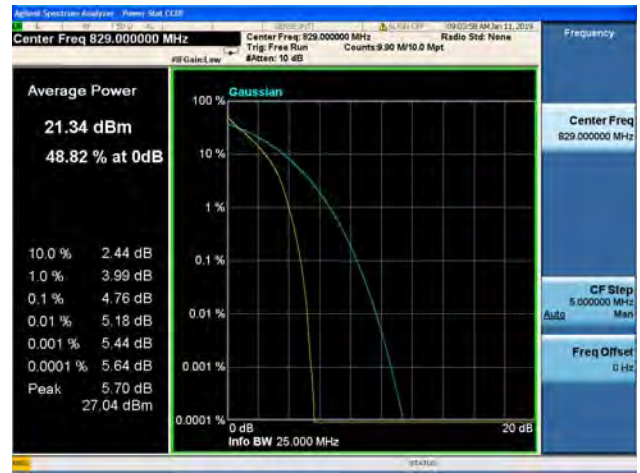


LTE Band 26 Peak-to-Average Ratio

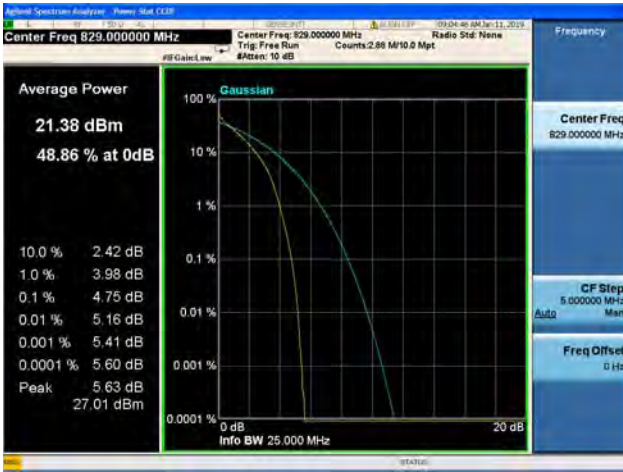
10MHz / QPSK / LCH



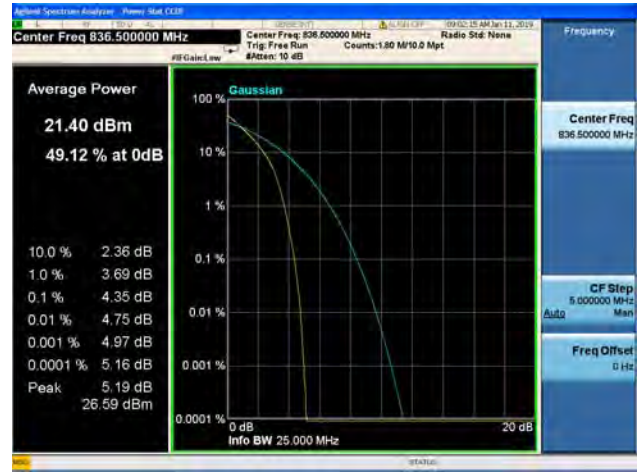
10MHz / 16QAM / LCH



10MHz / 64QAM / LCH



10MHz / QPSK / MCH



10MHz / 16QAM / MCH



10MHz / 64QAM / MCH

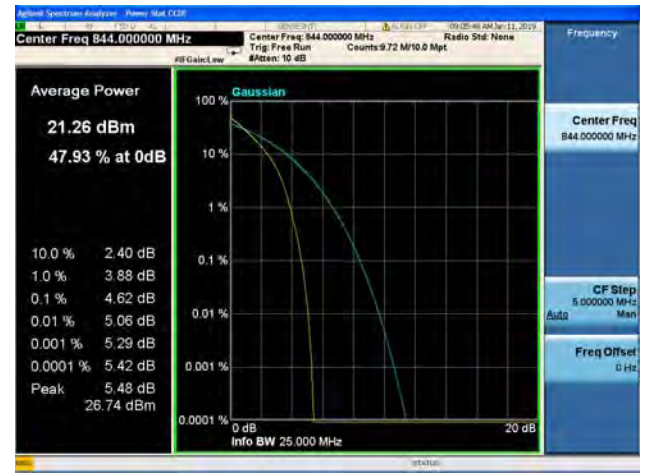




**10MHz / QPSK / HCH**



**10MHz / 16QAM / HCH**



**10MHz / 64QAM / HCH**





LTE Band 26 Peak-to-Average Ratio

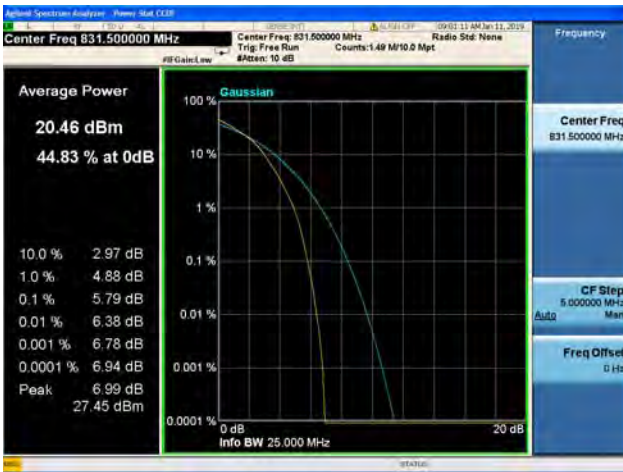
15MHz / QPSK / LCH



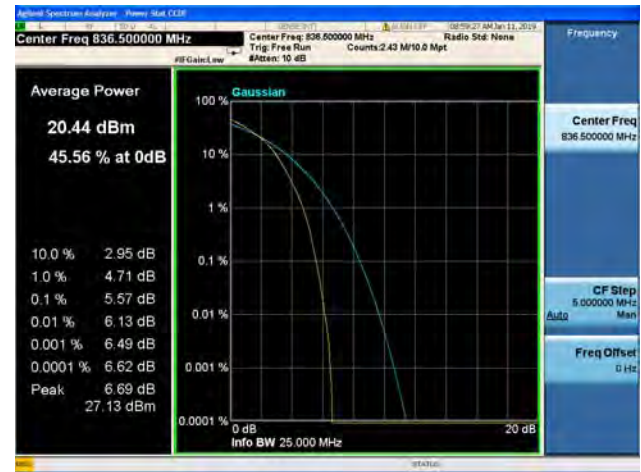
15MHz / 16QAM / LCH



15MHz / 64QAM / LCH



15MHz / QPSK / MCH



15MHz / 16QAM / MCH



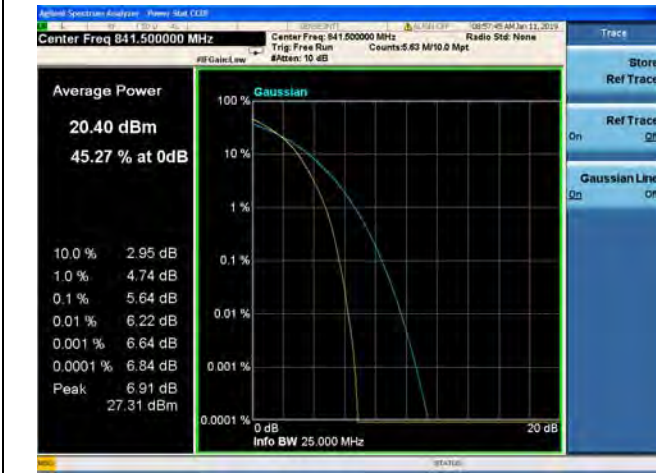
15MHz / 64QAM / MCH







**15MHz / QPSK / HCH**



**15MHz / 16QAM / HCH**



**15MHz / 64QAM / HCH**



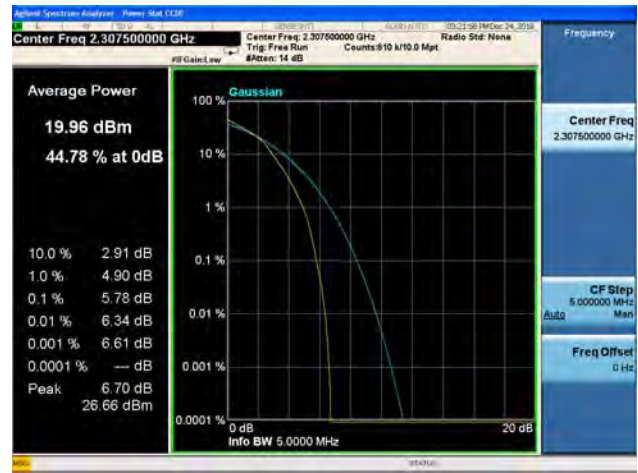


LTE Band 30 Peak-to-Average Ratio

5MHz / QPSK / LCH



5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



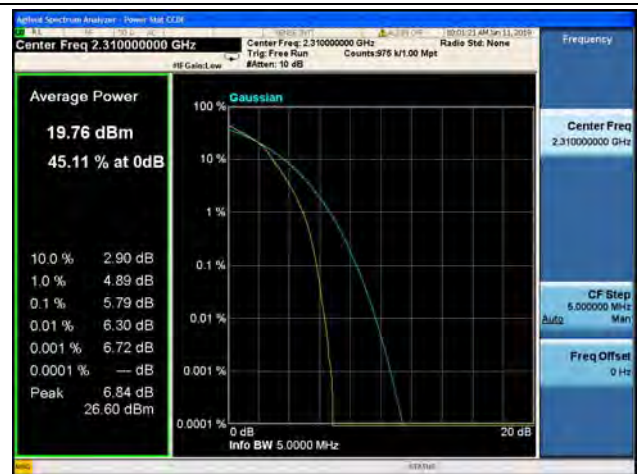
5MHz / QPSK / MCH



5MHz / 16QAM / MCH



5MHz / 64QAM / MCH





**5MHz / QPSK / HCH**



**5MHz / 16QAM / HCH**



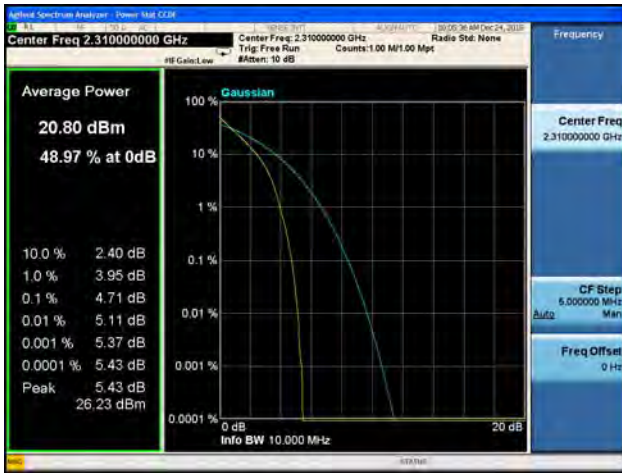
**5MHz / 64QAM / HCH**





LTE Band 30 Peak-to-Average Ratio

10MHz / QPSK / MCH



10MHz / 16QAM / MCH



10MHz / 64QAM / MCH





LTE Band 38 Peak-to-Average Ratio

5MHz / QPSK / LCH



5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



5MHz / QPSK / MCH



5MHz / 16QAM / MCH



5MHz / 64QAM / MCH





**5MHz / QPSK / HCH**



**5MHz / 16QAM / HCH**



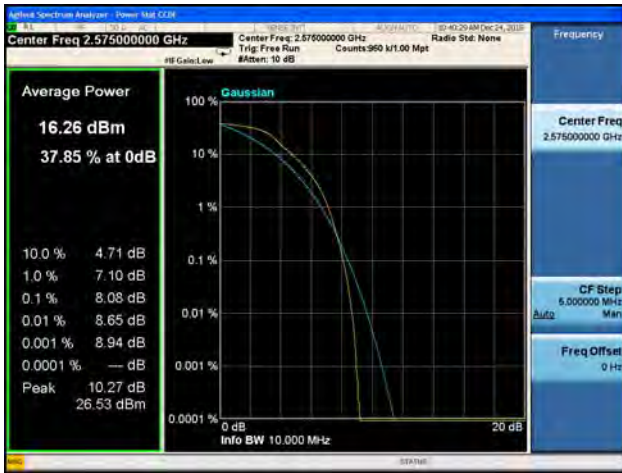
**5MHz / 64QAM / HCH**



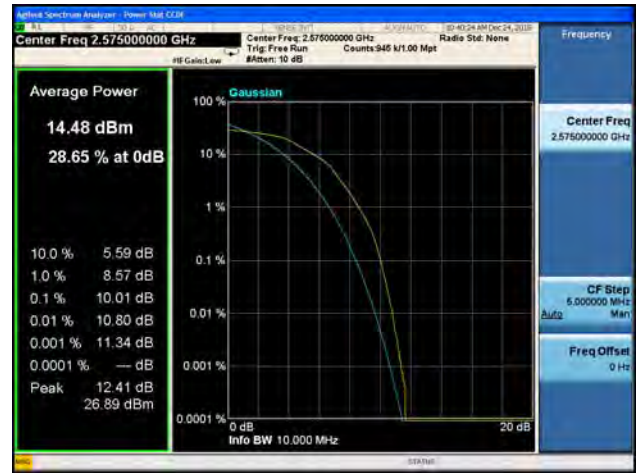


LTE Band 38 Peak-to-Average Ratio

10MHz / QPSK / LCH



10MHz / 16QAM / LCH



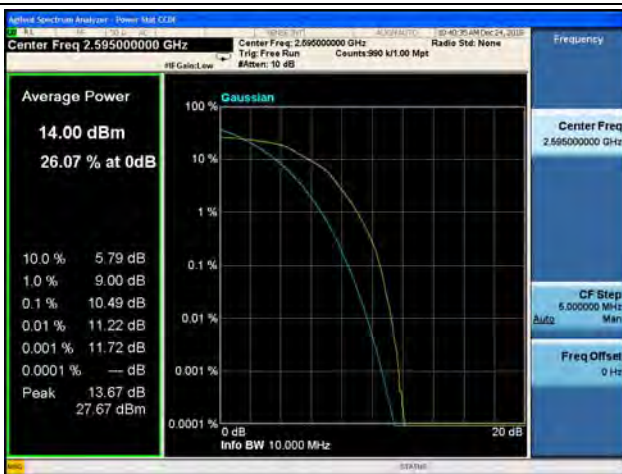
10MHz / 64QAM / LCH



10MHz / QPSK / MCH



10MHz / 16QAM / MCH



10MHz / 64QAM / MCH





### 10MHz / QPSK / HCH



### 10MHz / 16QAM / HCH



### 10MHz / 64QAM / HCH





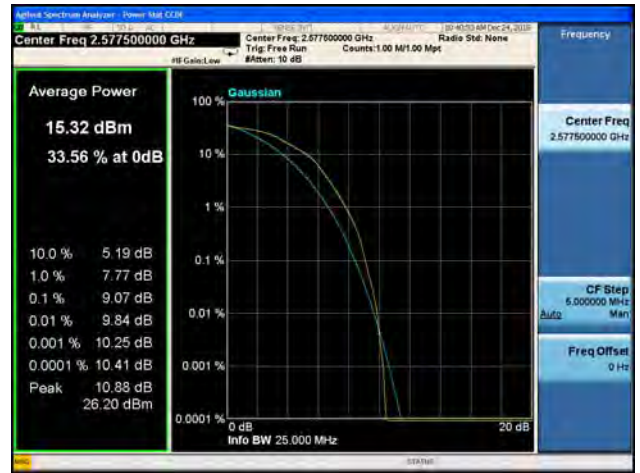


LTE Band 38 Peak-to-Average Ratio

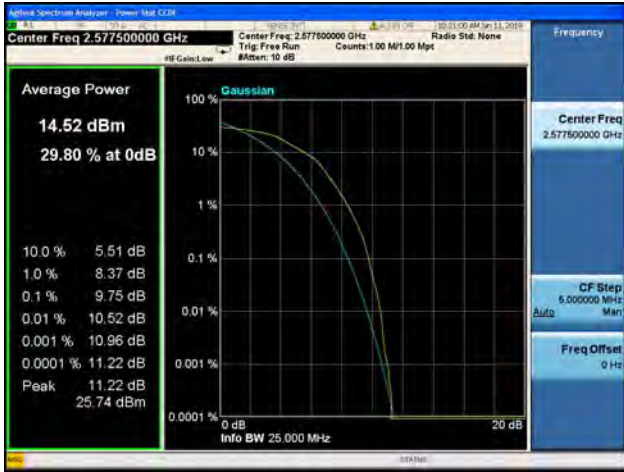
15MHz / QPSK / LCH



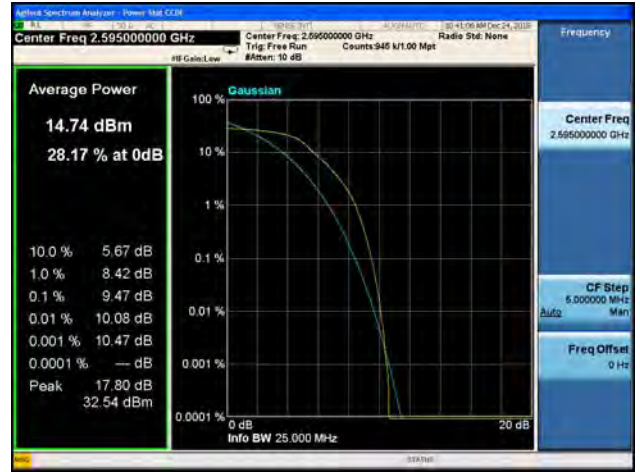
15MHz / 16QAM / LCH



15MHz / 64QAM / LCH



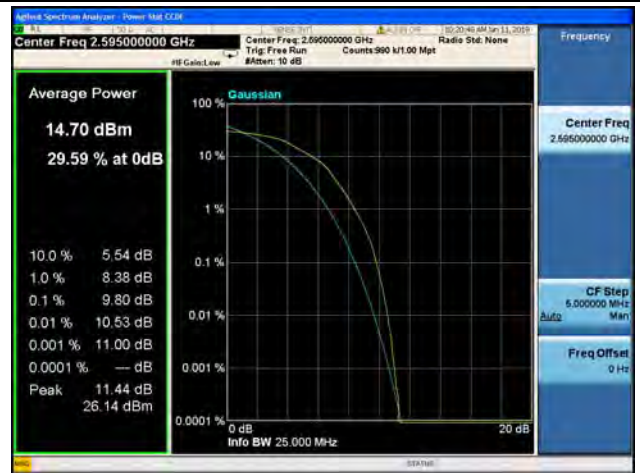
15MHz / QPSK / MCH



15MHz / 16QAM / MCH



15MHz / 64QAM / MCH





**15MHz / QPSK / HCH**



**15MHz / 16QAM / HCH**



**15MHz / 64QAM / HCH**





LTE Band 38 Peak-to-Average Ratio

20MHz / QPSK / LCH



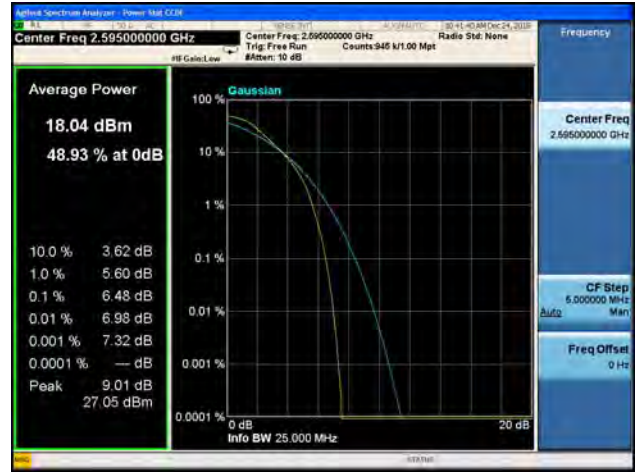
20MHz / 16QAM / LCH



20MHz / 64QAM / LCH



20MHz / QPSK / MCH



20MHz / 16QAM / MCH

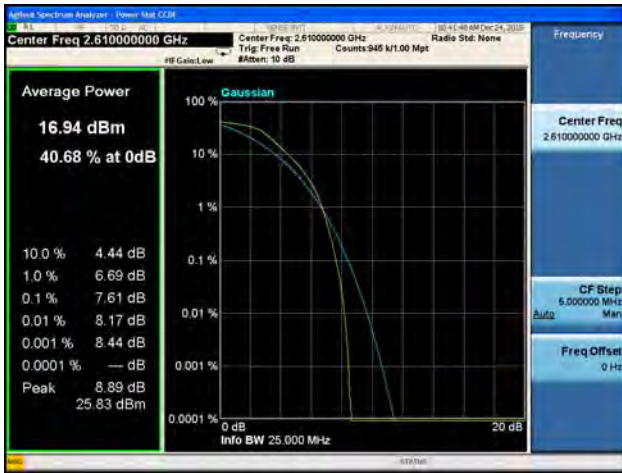


20MHz / 64QAM / MCH

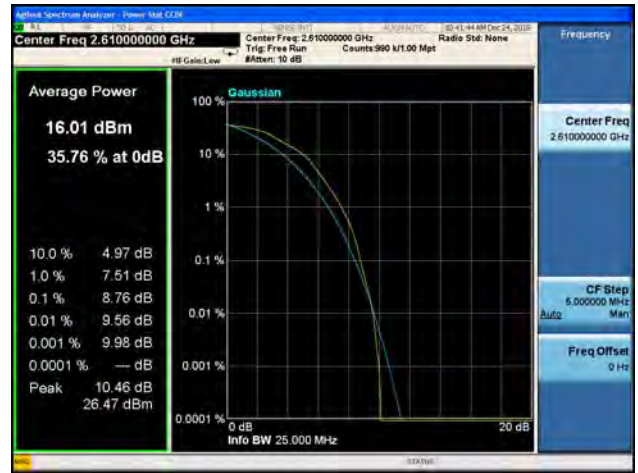




### 20MHz / QPSK / HCH



### 20MHz / 16QAM / HCH



### 20MHz / 64QAM / HCH



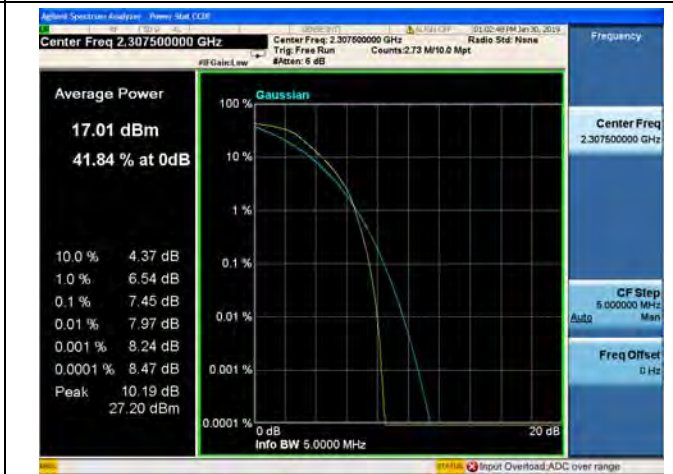


LTE Band 40 Block A Peak-to-Average Ratio

5MHz / QPSK / LCH



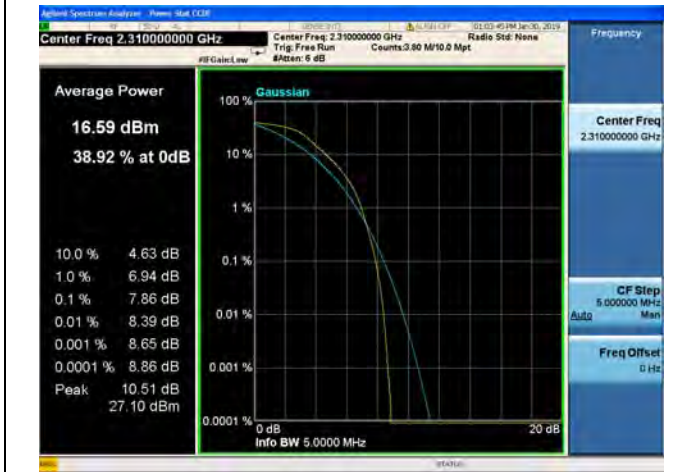
5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



5MHz / QPSK / MCH



5MHz / 16QAM / MCH



5MHz / 64QAM / MCH





**5MHz / QPSK / HCH**



**5MHz / 16QAM / HCH**



**5MHz / 64QAM / HCH**





LTE Band 40 Block A Peak-to-Average Ratio

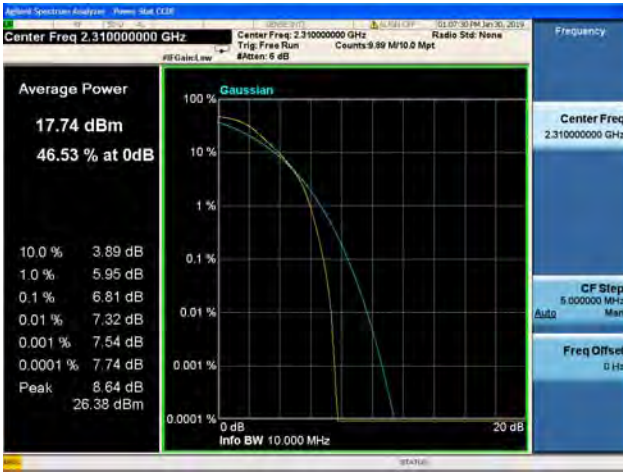
10MHz / QPSK / MCH



10MHz / 16QAM / MCH



10MHz / 64QAM / MCH





LTE Band 40 Block B Peak-to-Average Ratio

5MHz / QPSK / LCH



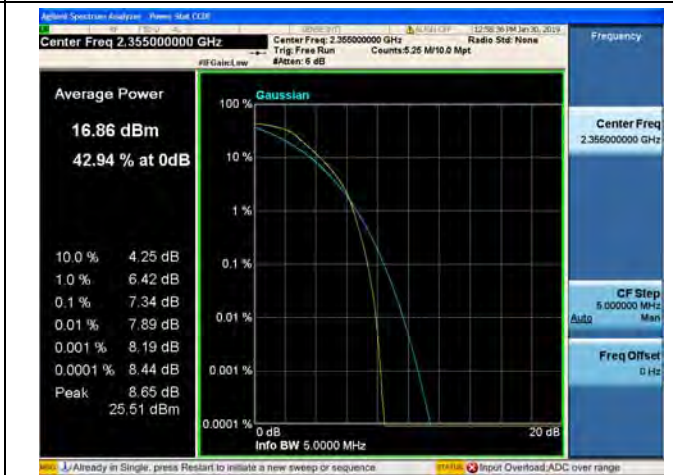
5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



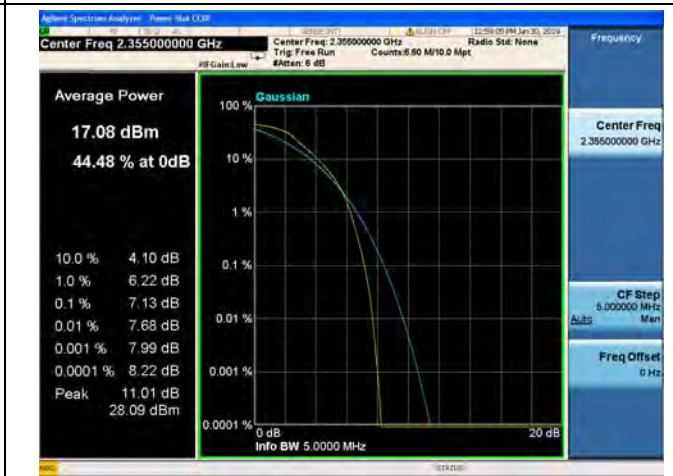
5MHz / QPSK / MCH



5MHz / 16QAM / MCH



5MHz / 64QAM / MCH



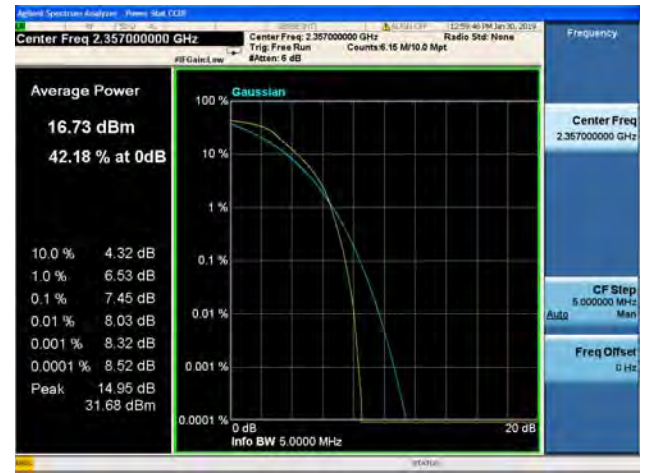




**5MHz / QPSK / HCH**



**5MHz / 16QAM / HCH**



**5MHz / 64QAM / HCH**





LTE Band 40 Block B Peak-to-Average Ratio

10MHz / QPSK / MCH



10MHz / 16QAM / MCH



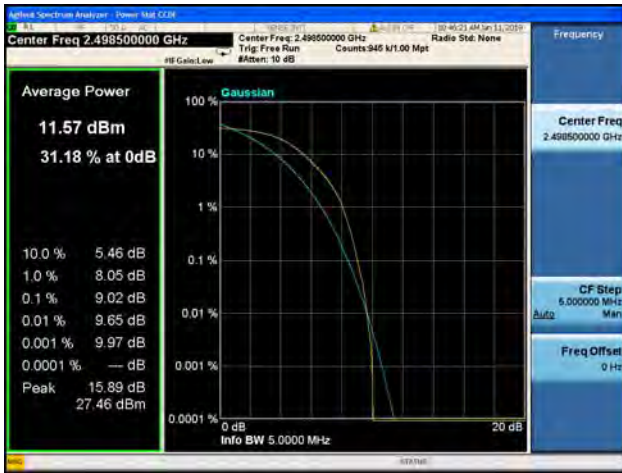
10MHz / 64QAM / MCH





LTE Band 41 Peak-to-Average Ratio

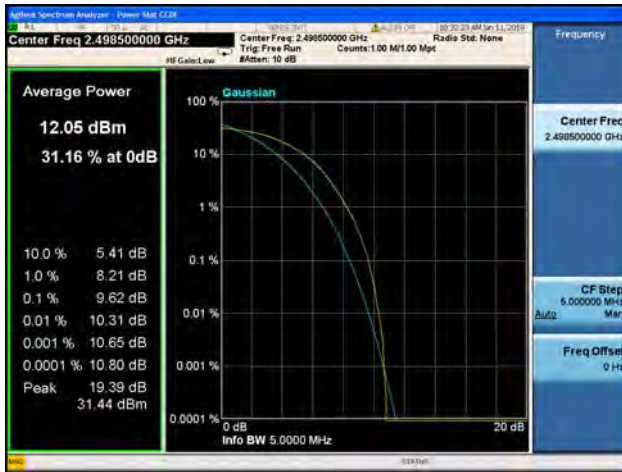
5MHz / QPSK / LCH



5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



5MHz / QPSK / MCH



5MHz / 16QAM / MCH



5MHz / 64QAM / MCH





**5MHz / QPSK / HCH**



**5MHz / 16QAM / HCH**



**5MHz / 64QAM / HCH**





LTE Band 41 Peak-to-Average Ratio

10MHz / QPSK / LCH



10MHz / 16QAM / LCH



10MHz / 64QAM / LCH



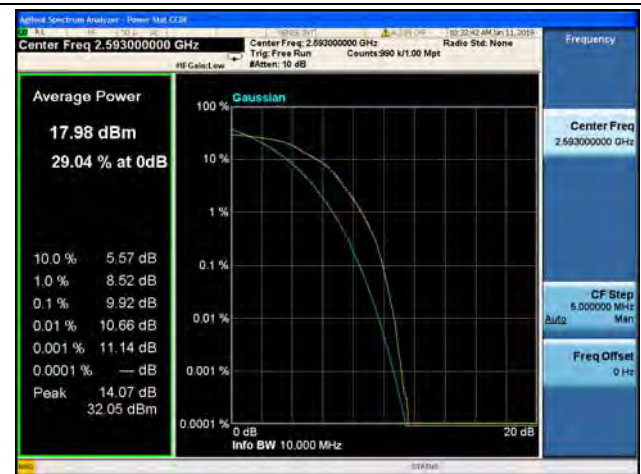
10MHz / QPSK / MCH



10MHz / 16QAM / MCH

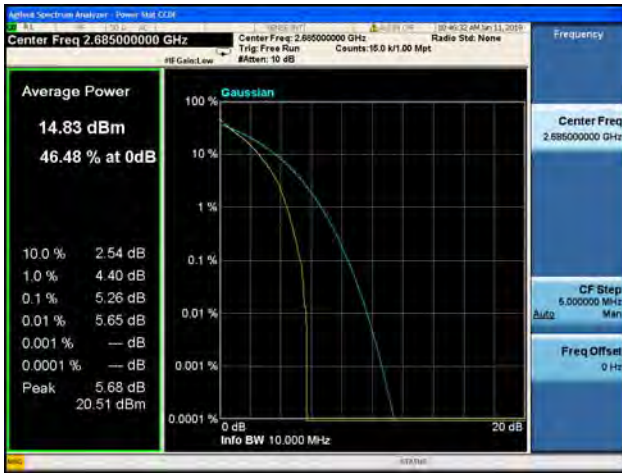


10MHz / 64QAM / MCH





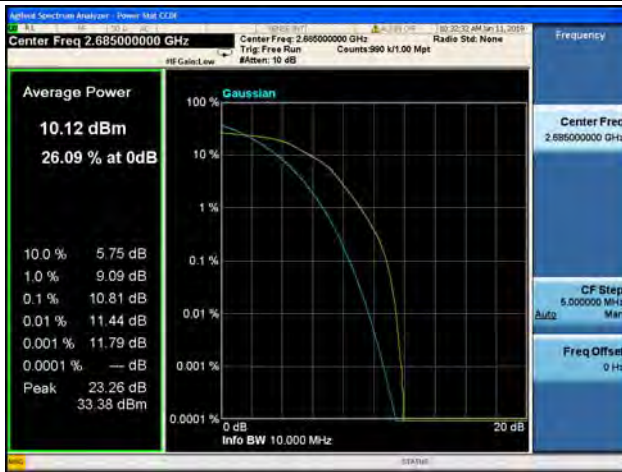
**10MHz / QPSK / HCH**



**10MHz / 16QAM / HCH**



**10MHz / 64QAM / HCH**





LTE Band 41 Peak-to-Average Ratio

15MHz / QPSK / LCH



15MHz / 16QAM / LCH



15MHz / 64QAM / LCH



15MHz / QPSK / MCH



15MHz / 16QAM / MCH

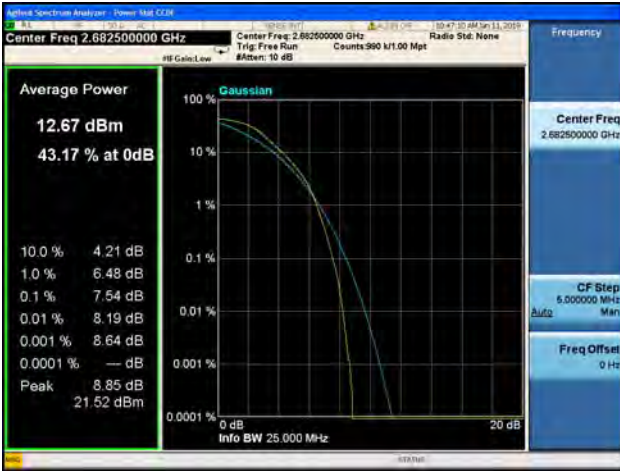


15MHz / 64QAM / MCH





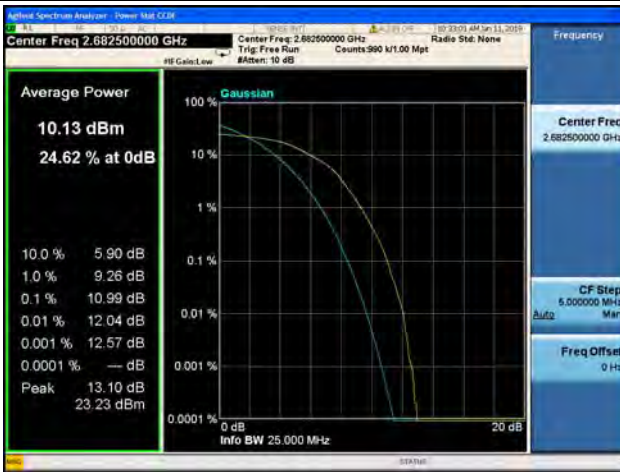
**15MHz / QPSK / HCH**



**15MHz / 16QAM / HCH**



**15MHz / 64QAM / HCH**







LTE Band 41 Peak-to-Average Ratio

20MHz / QPSK / LCH



20MHz / 16QAM / LCH



20MHz / 64QAM / LCH



20MHz / QPSK / MCH



20MHz / 16QAM / MCH



20MHz / 64QAM / MCH





**20MHz / QPSK / HCH**



**20MHz / 16QAM / HCH**



**20MHz / 64QAM / HCH**



## 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.

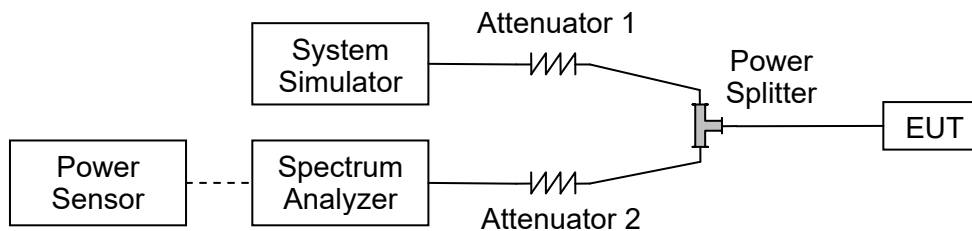
Additional requirement for LTE Band 7/38/41:

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

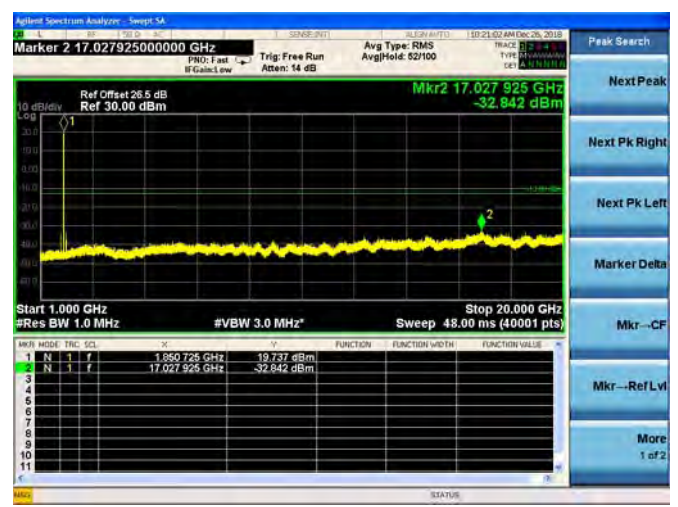
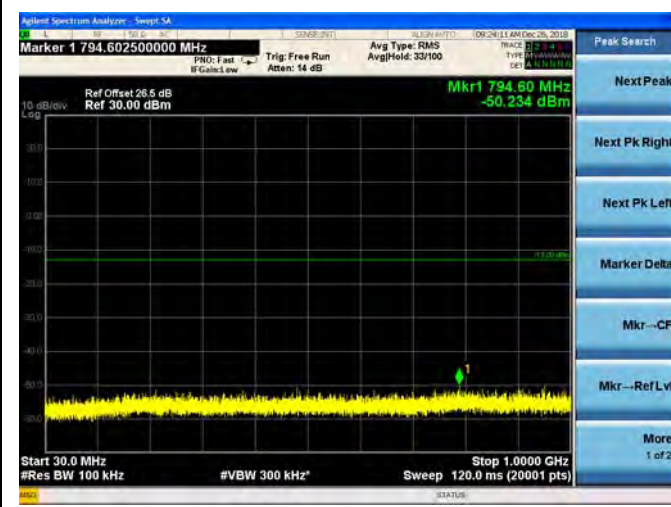
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

### 2.5.4. Test Result

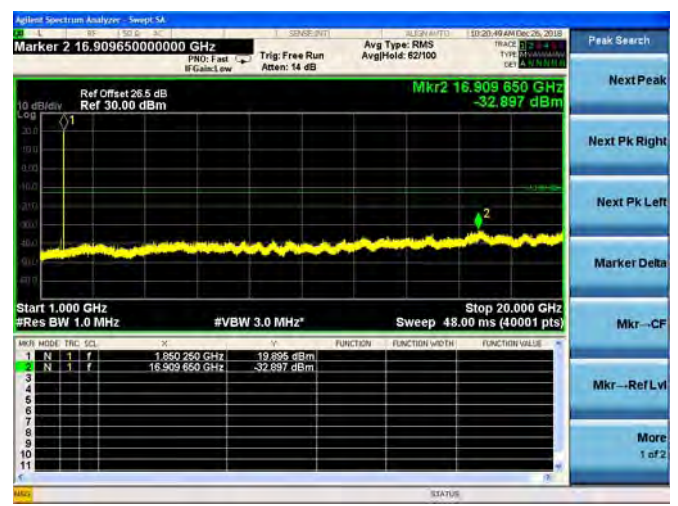
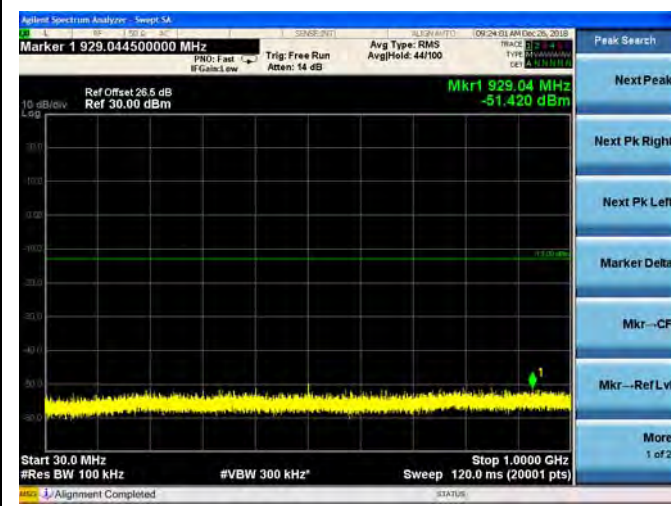


LTE Band 2 1.4MHz BW Low Channel

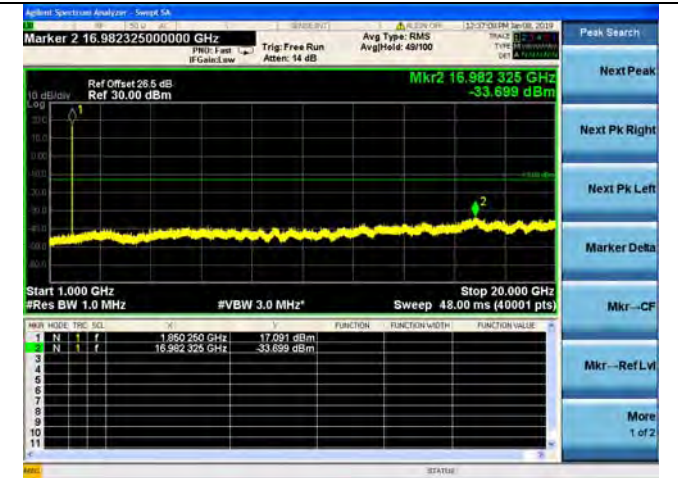
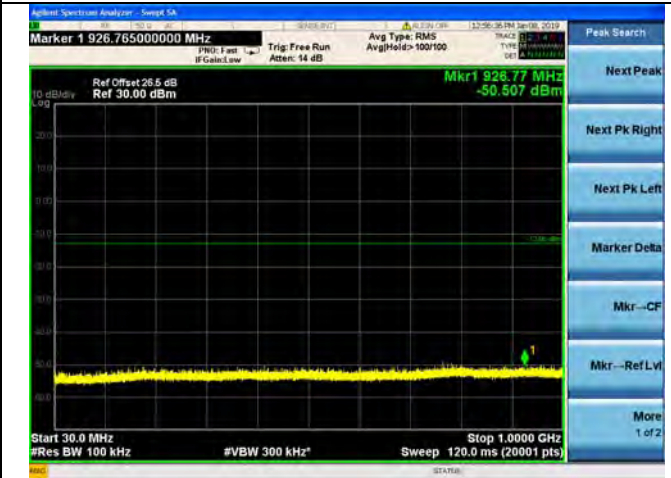
QPSK



16QAM



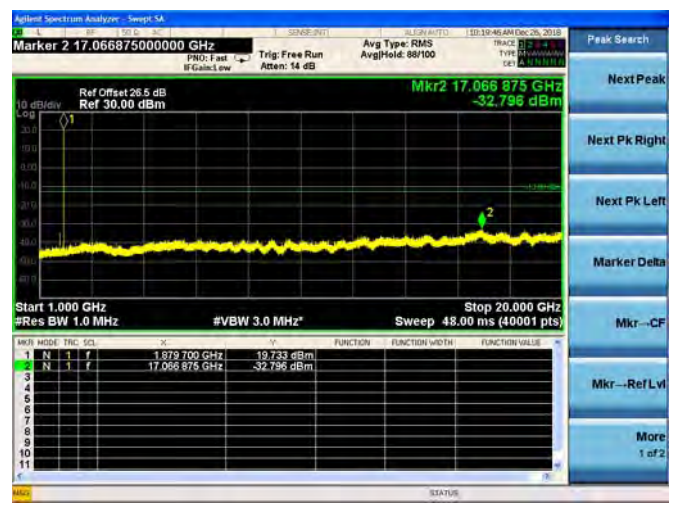
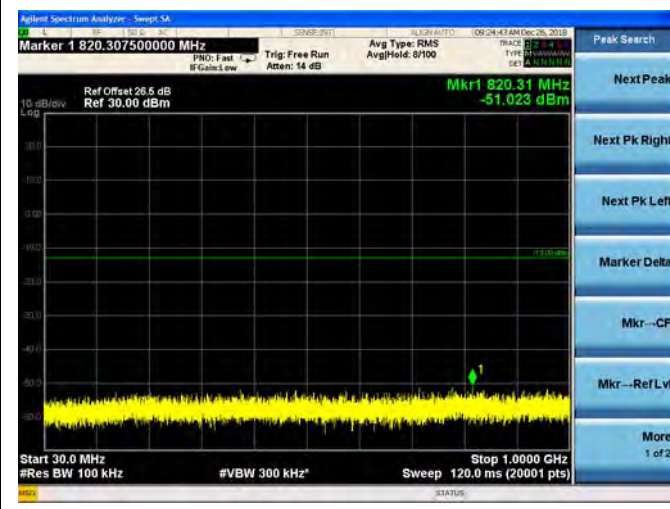
64QAM



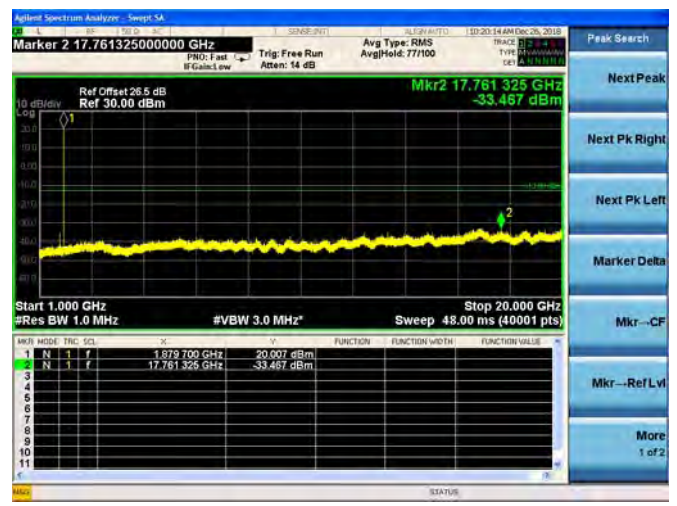
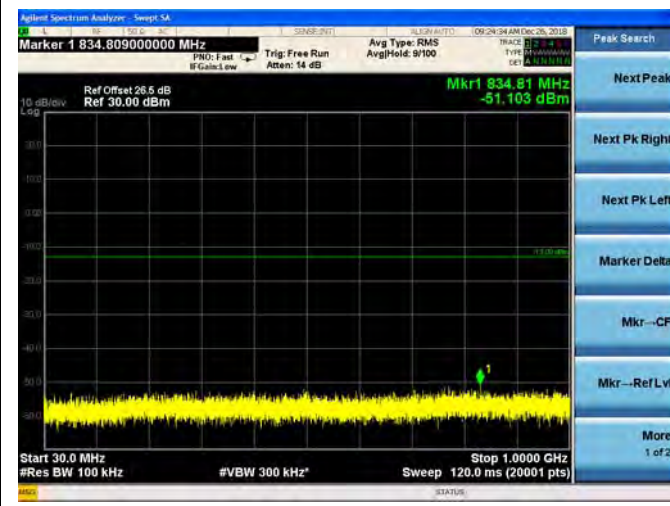


LTE Band 2 1.4MHz BW Mid Channel

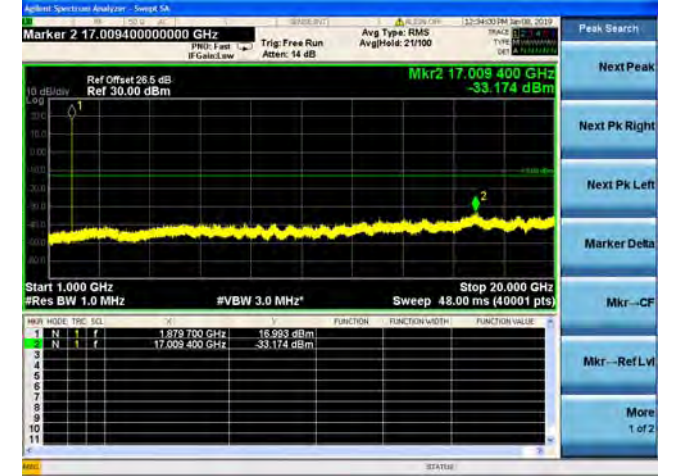
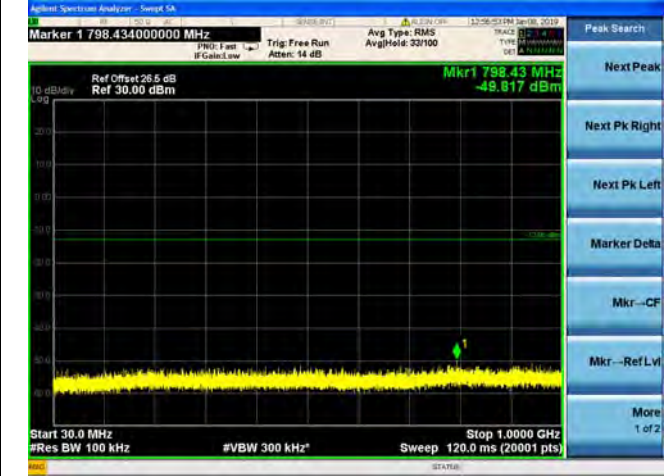
QPSK



16QAM



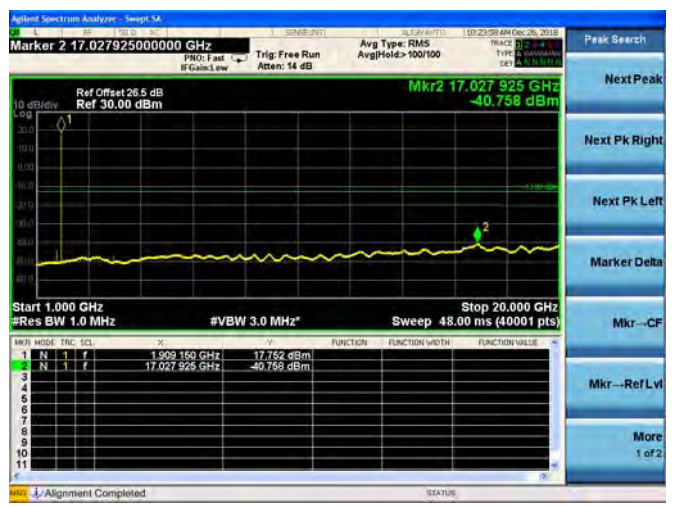
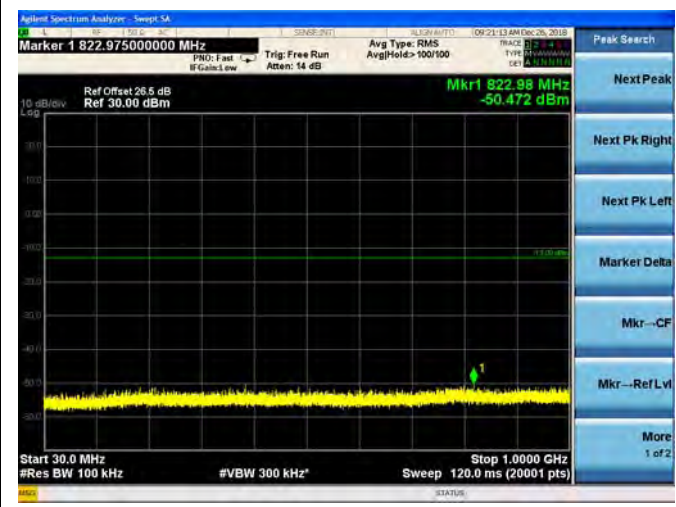
64QAM



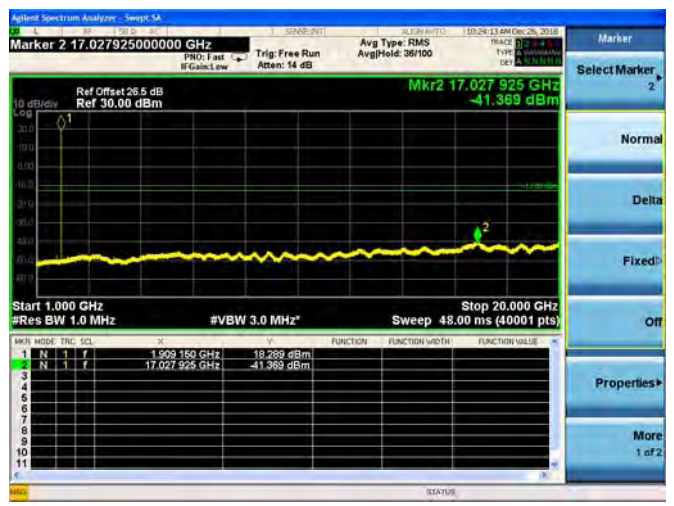
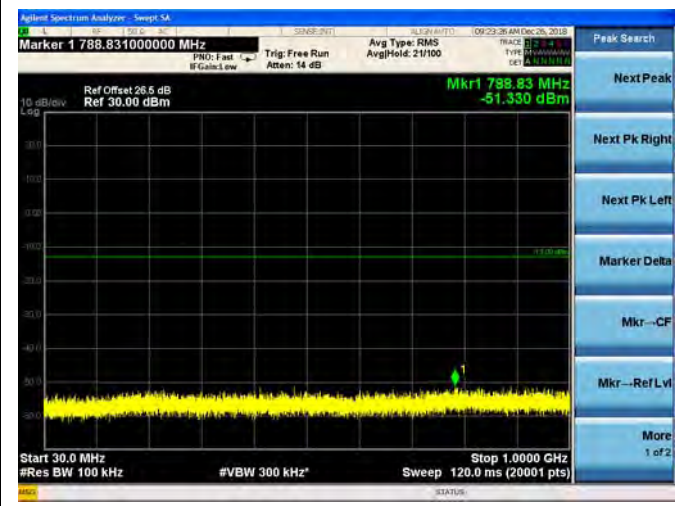


LTE Band 2 1.4MHz BW High Channel

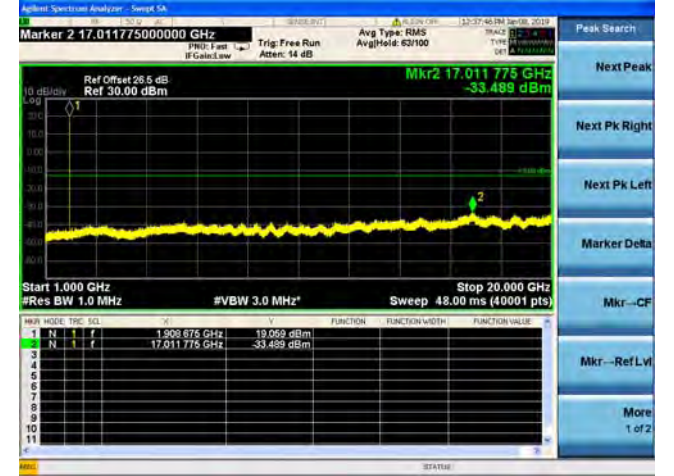
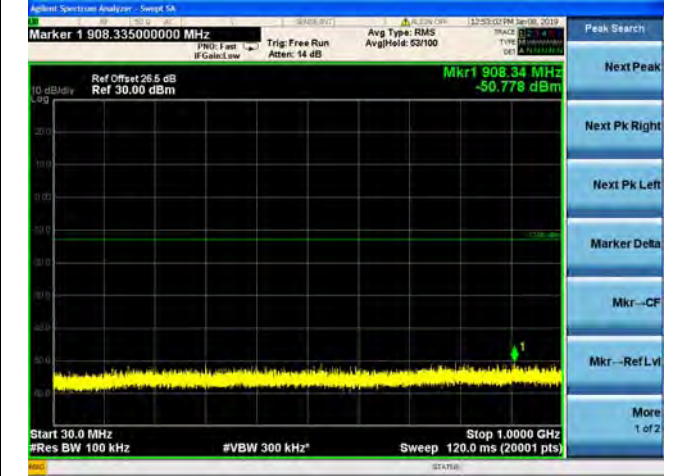
QPSK



16QAM



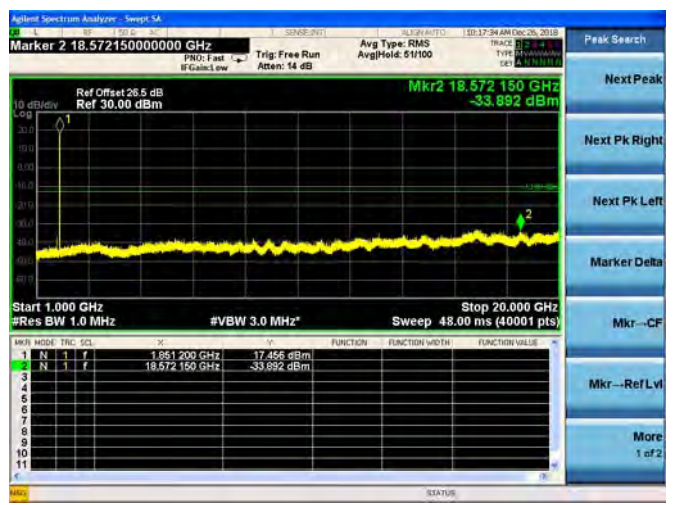
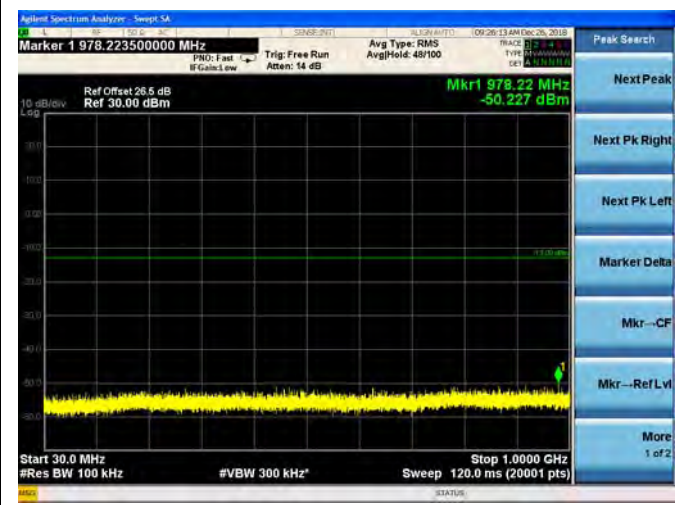
64QAM



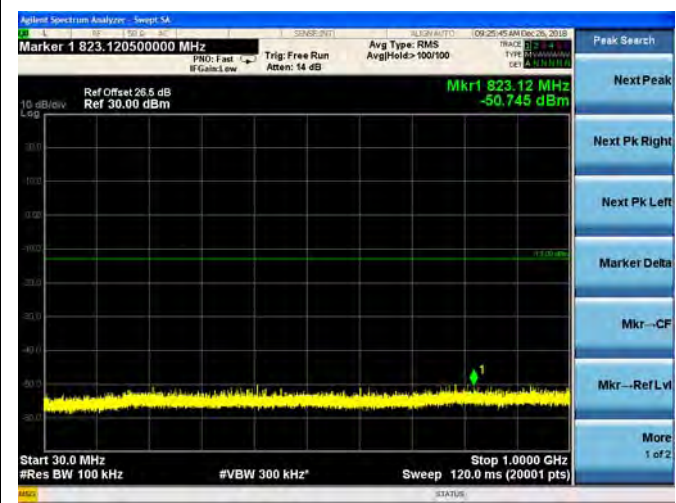


LTE Band 2 3MHz BW Low Channel

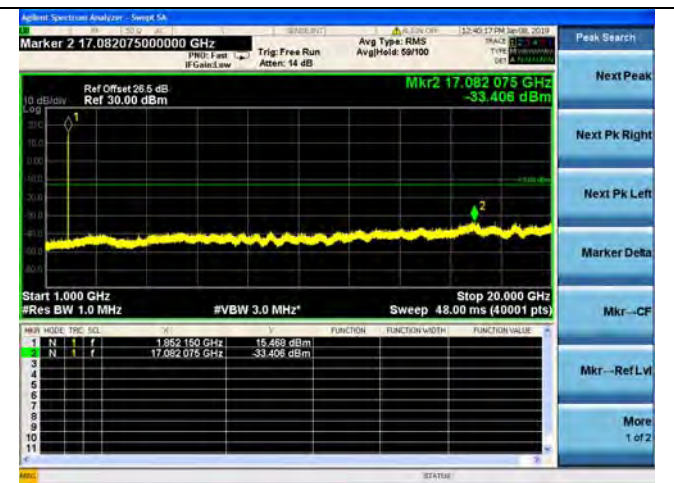
QPSK



16QAM



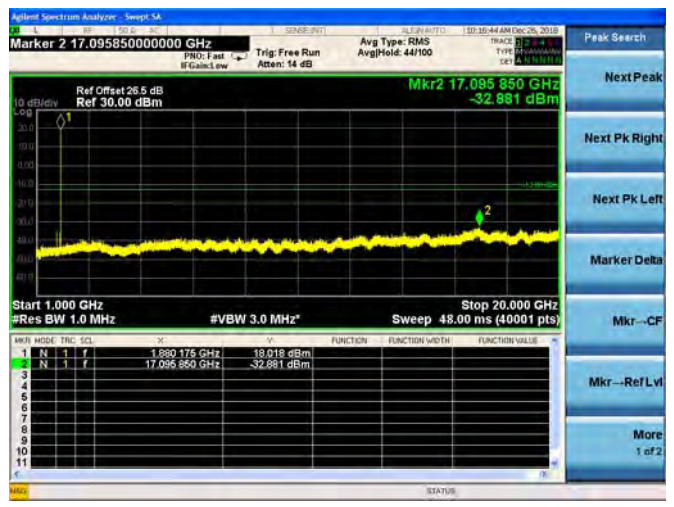
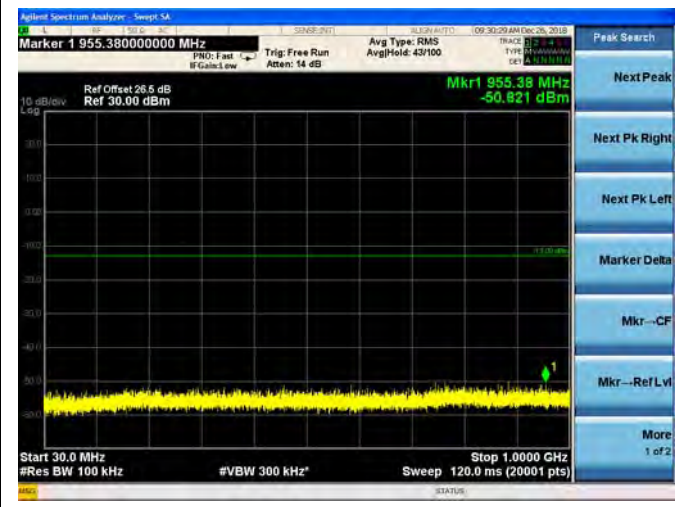
64QAM



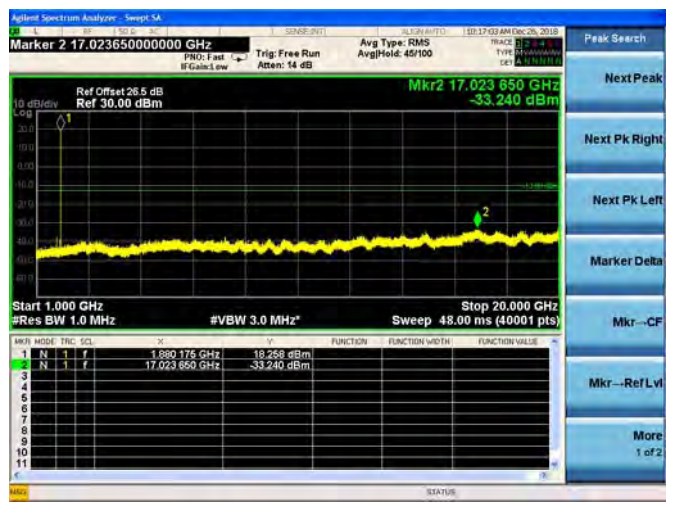
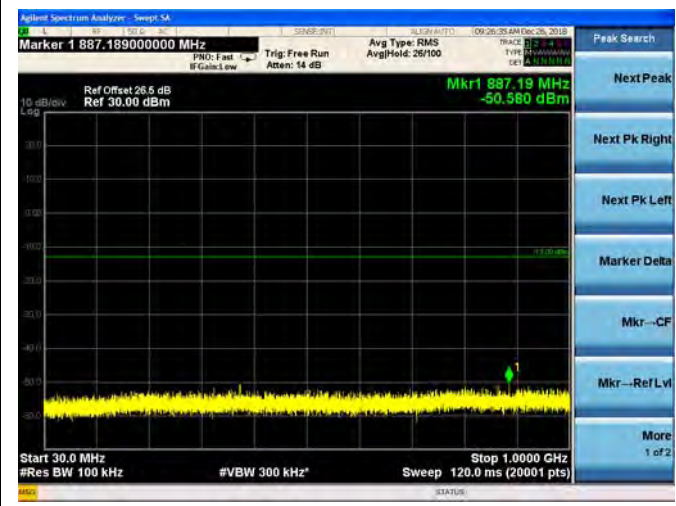


LTE Band 2 3MHz BW Mid Channel

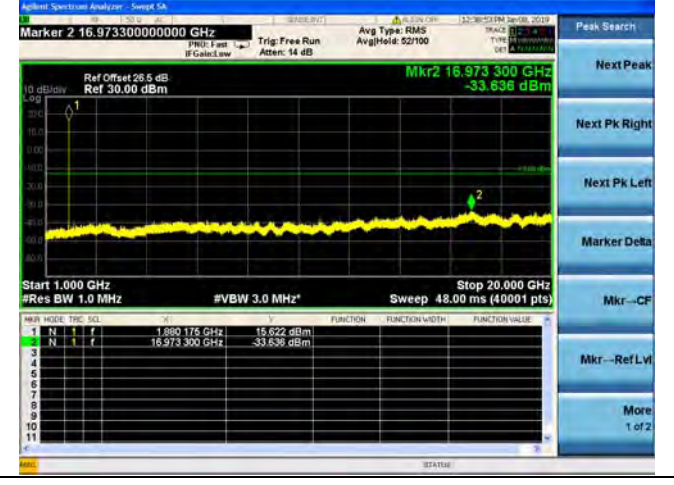
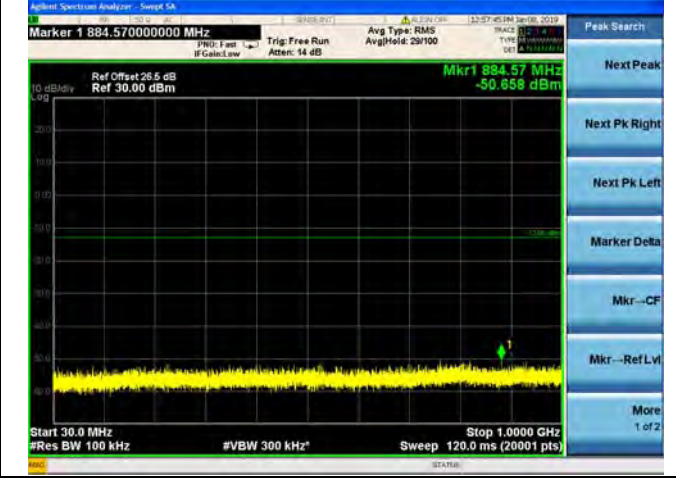
QPSK



16QAM



64QAM

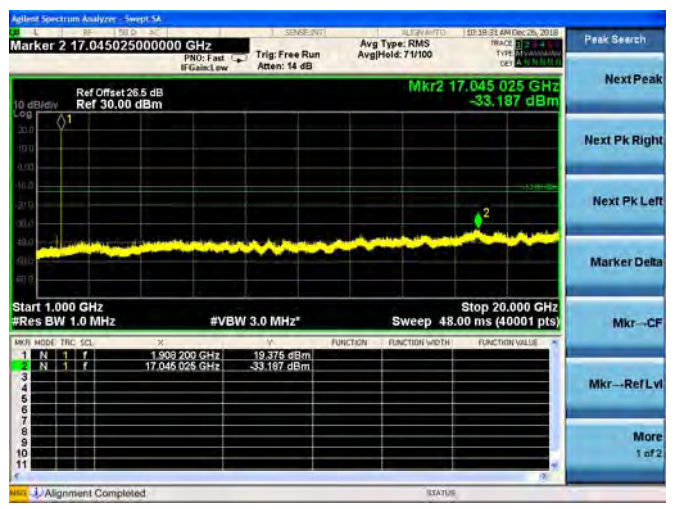
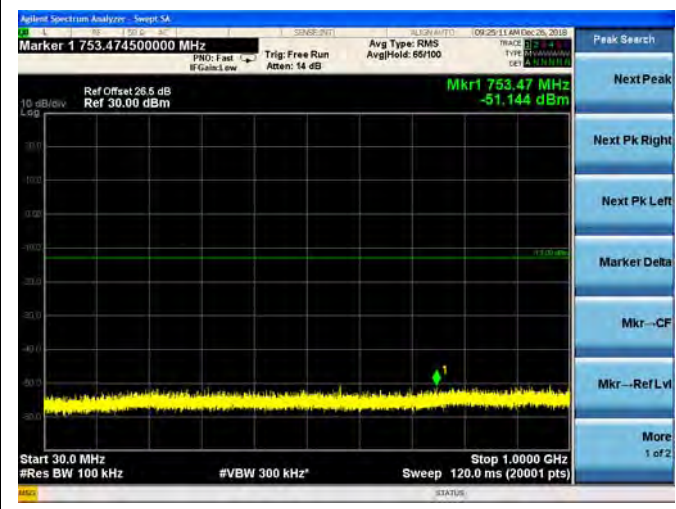




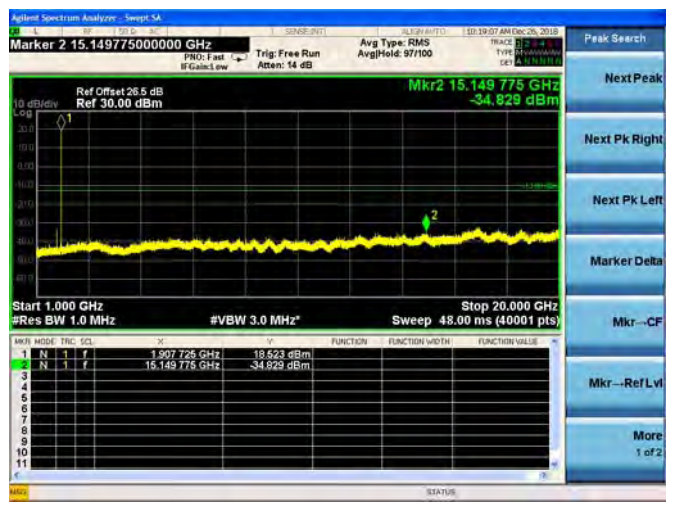
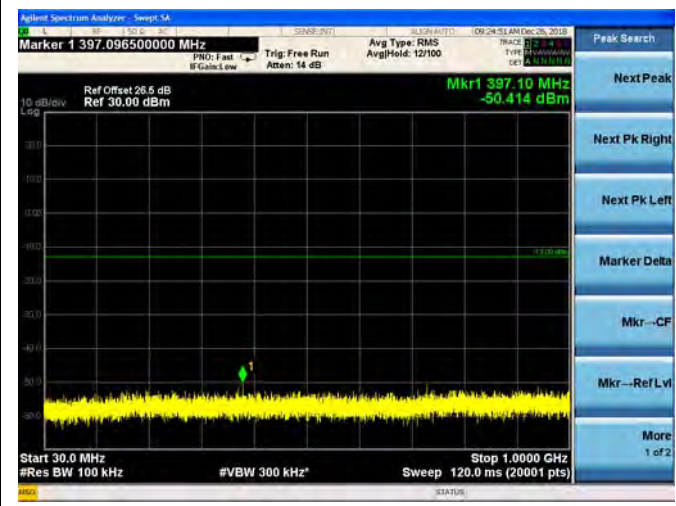


LTE Band 2 3MHz BW High Channel

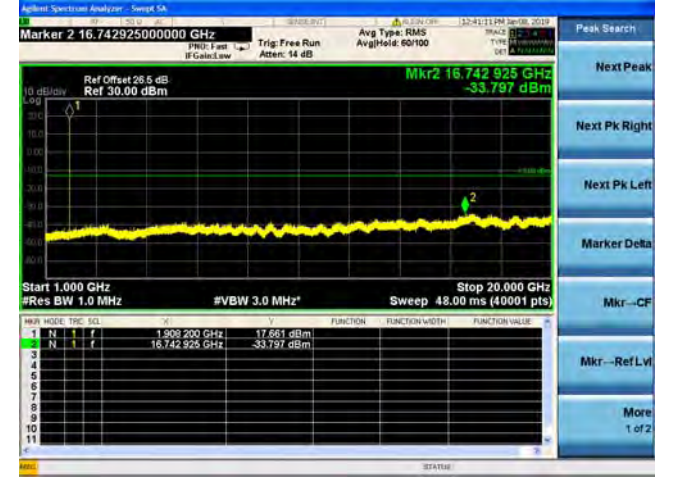
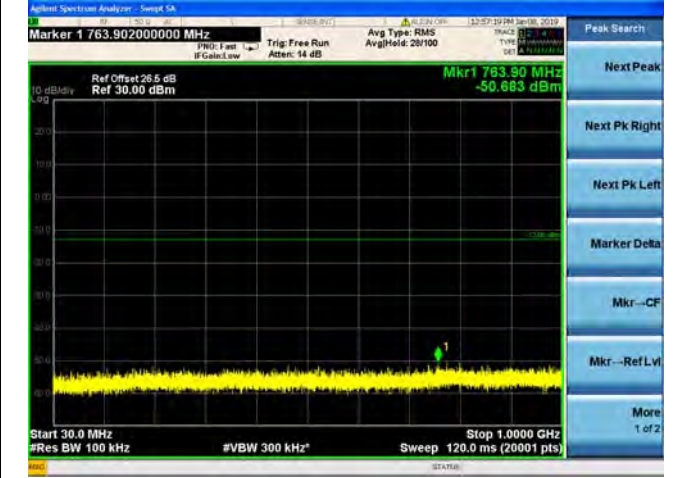
QPSK



16QAM



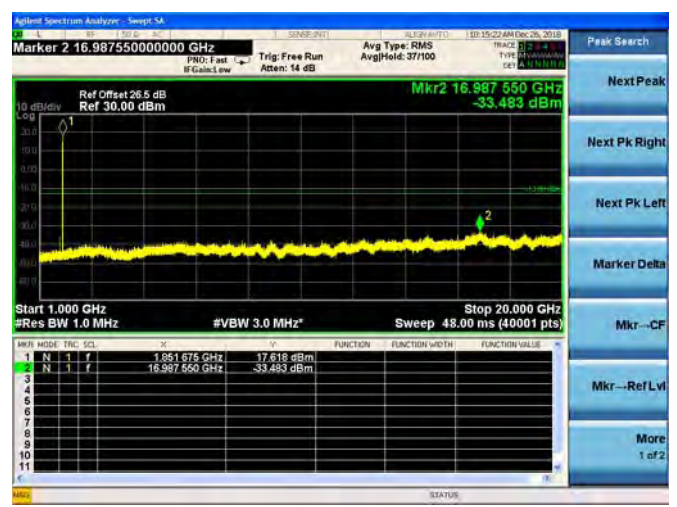
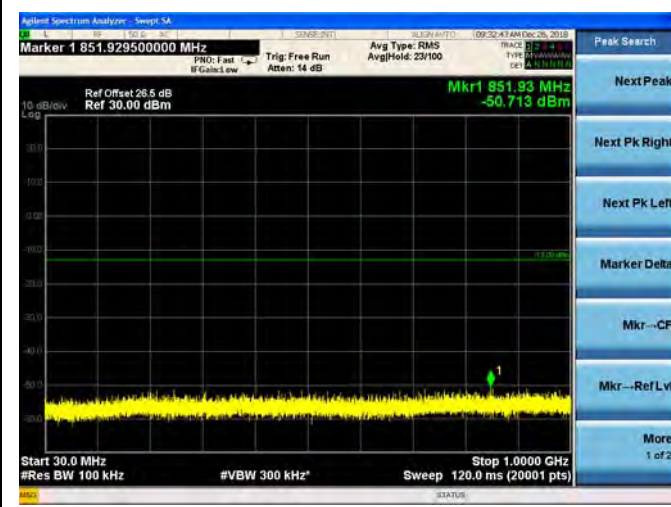
64QAM



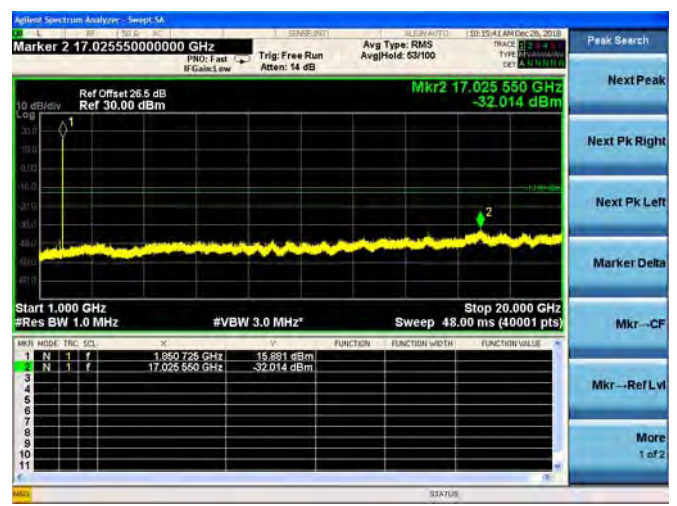
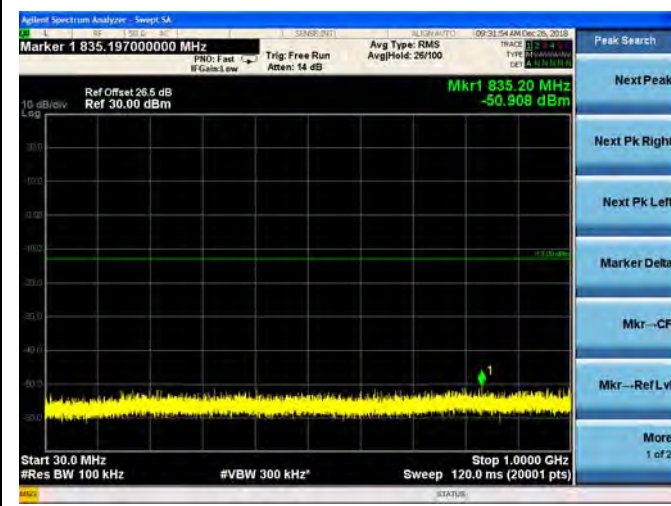


LTE Band 2 5MHz BW Low Channel

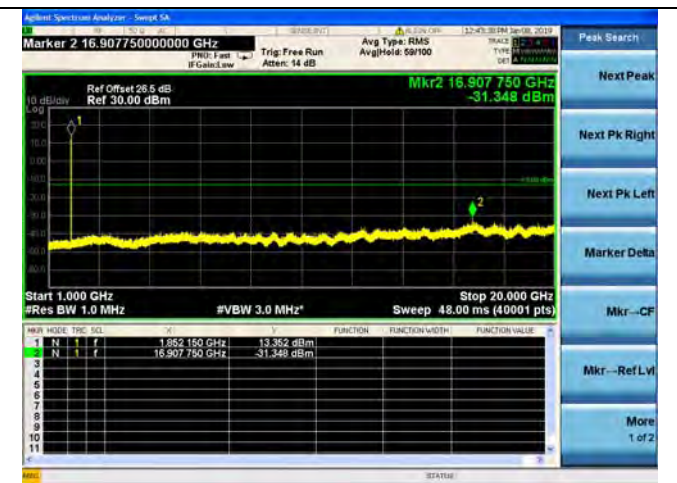
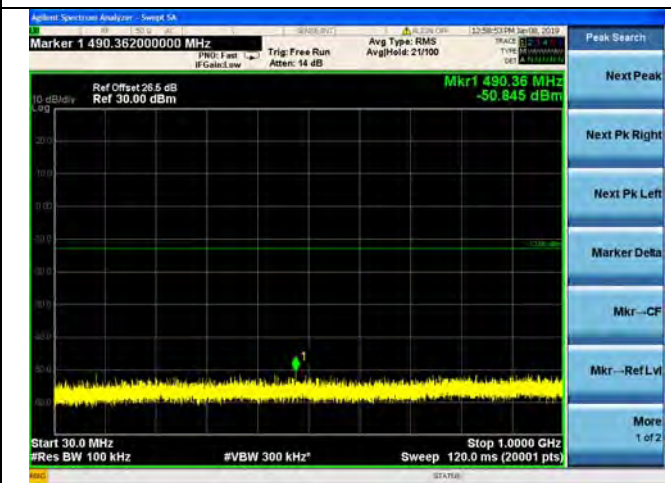
QPSK



16QAM



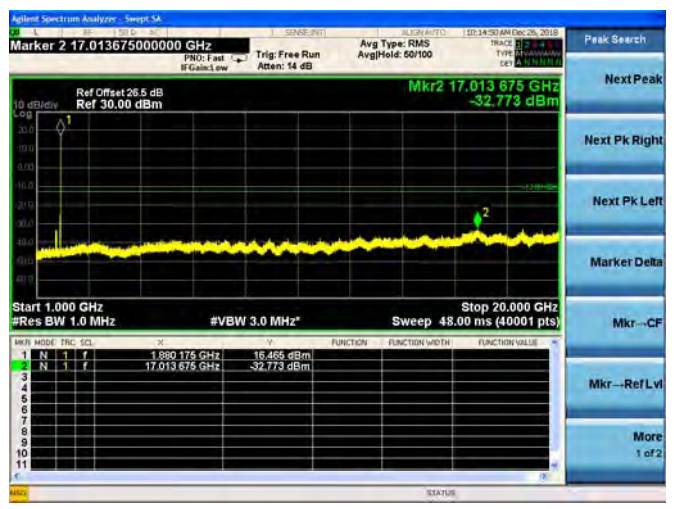
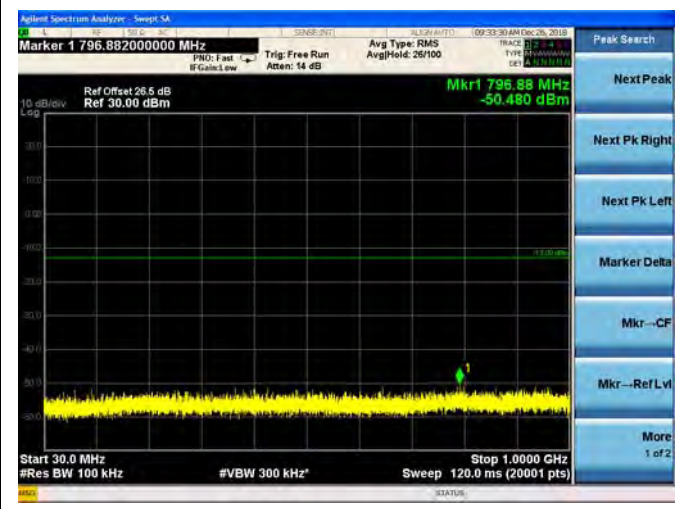
64QAM



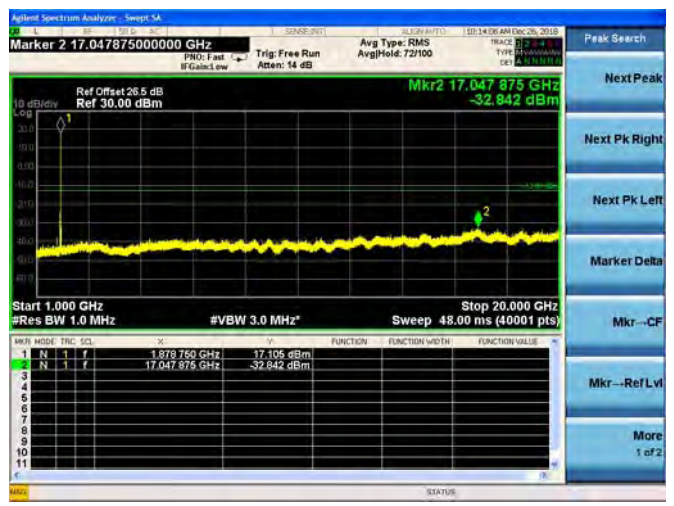


LTE Band 2 5MHz BW Mid Channel

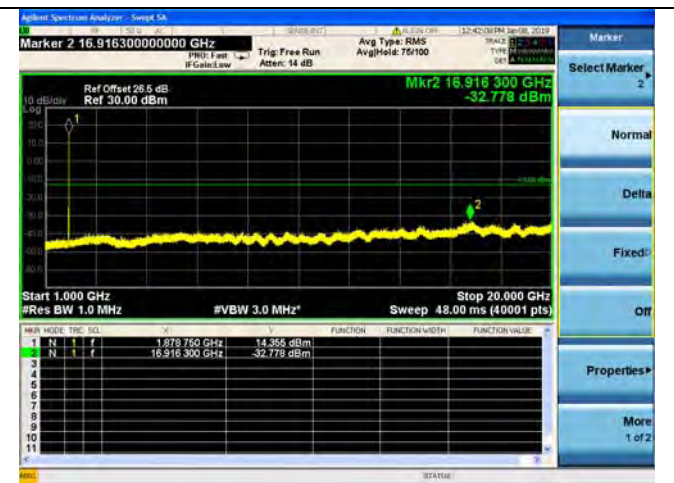
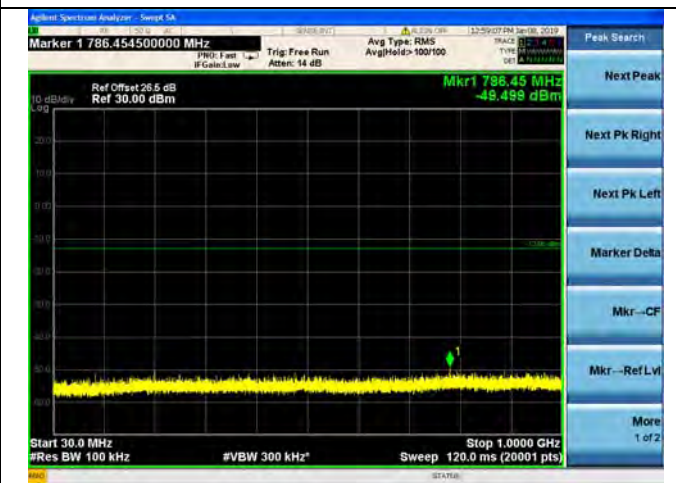
QPSK



16QAM



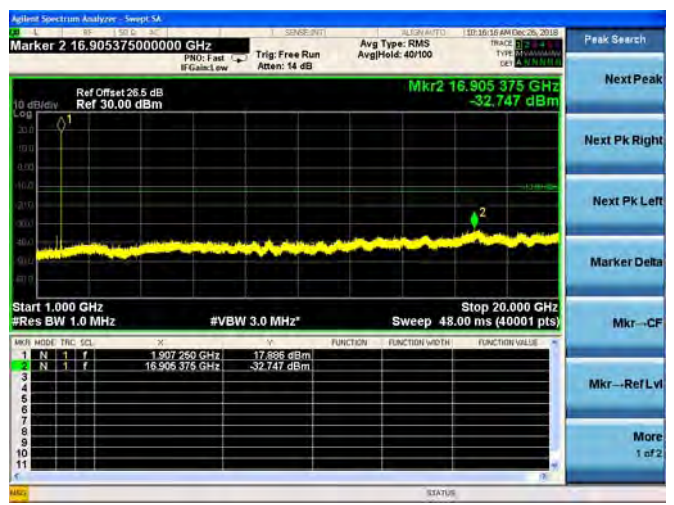
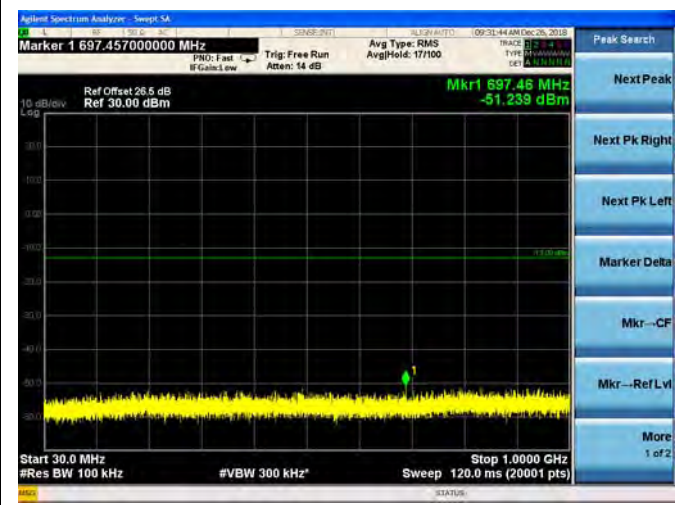
64QAM



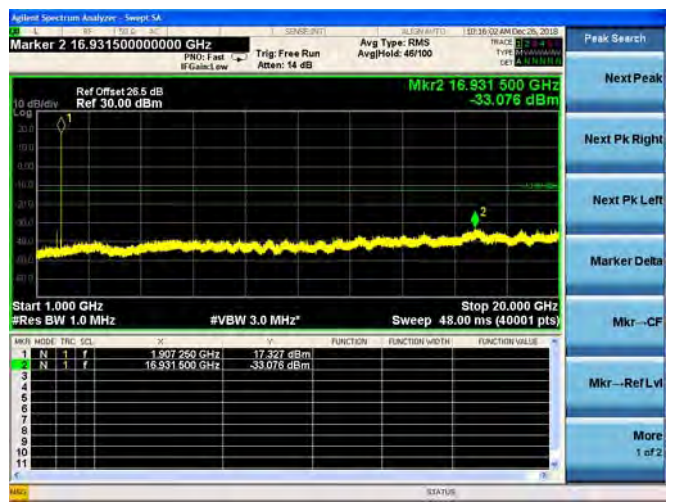
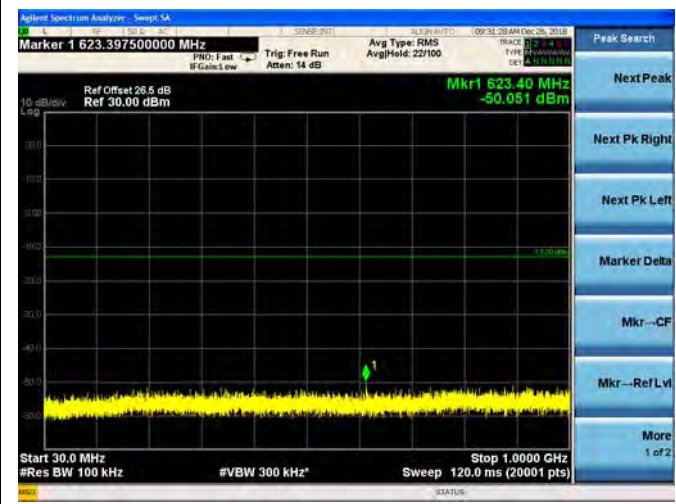


LTE Band 2 5MHz BW High Channel

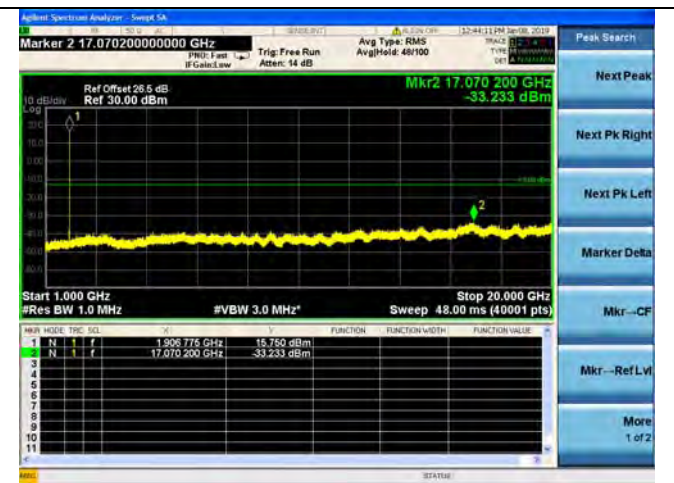
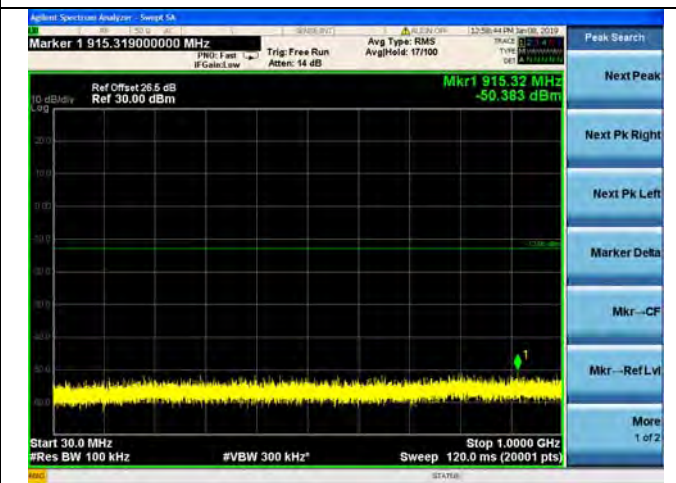
QPSK



16QAM



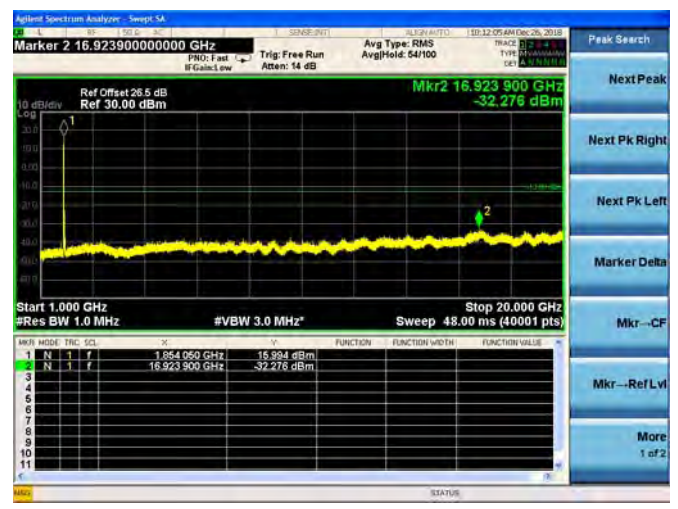
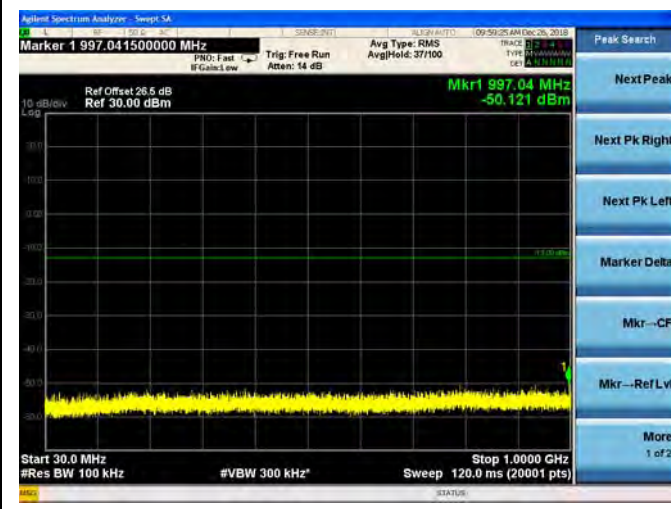
64QAM



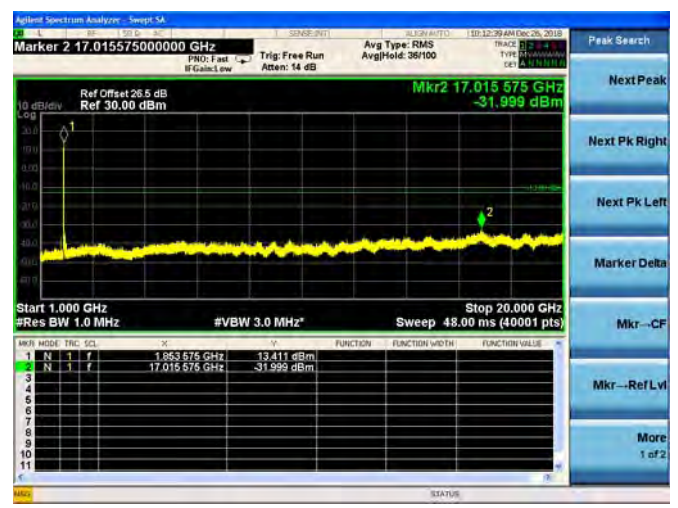
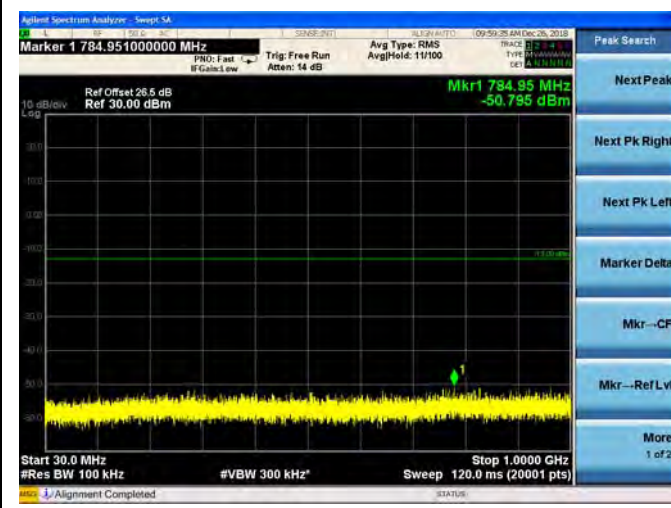


LTE Band 2 10MHz BW Low Channel

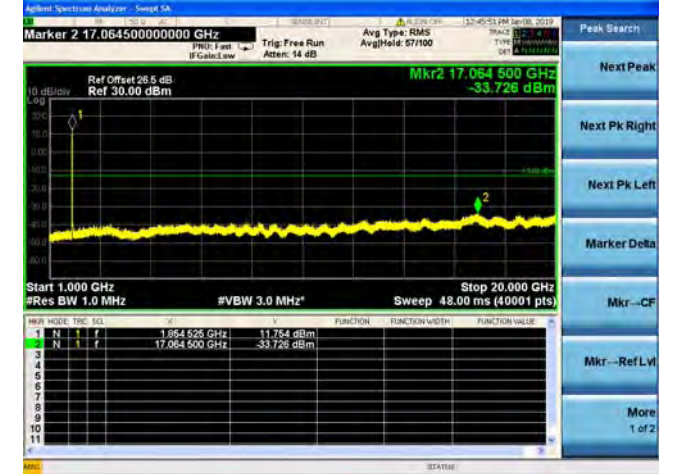
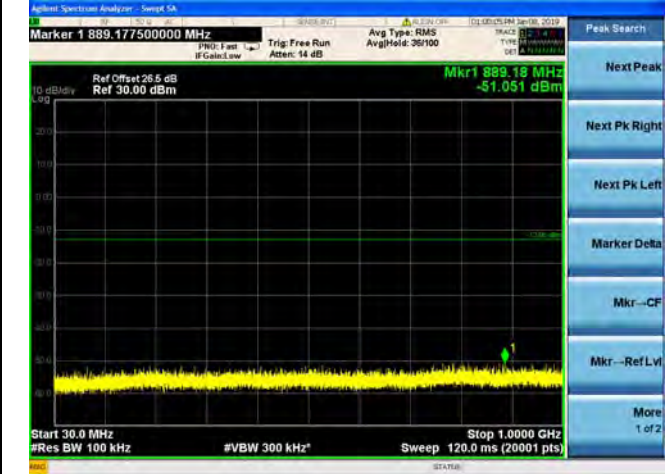
QPSK



16QAM



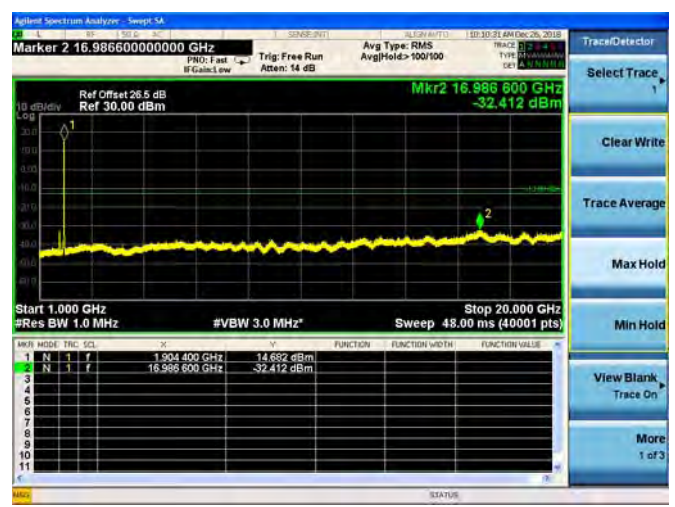
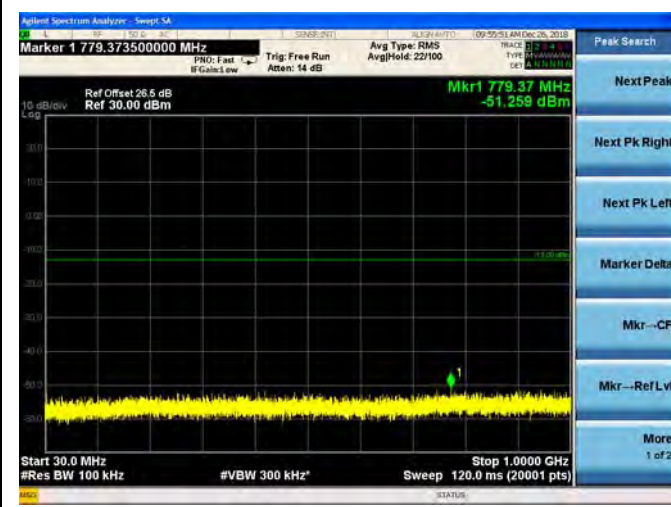
64QAM



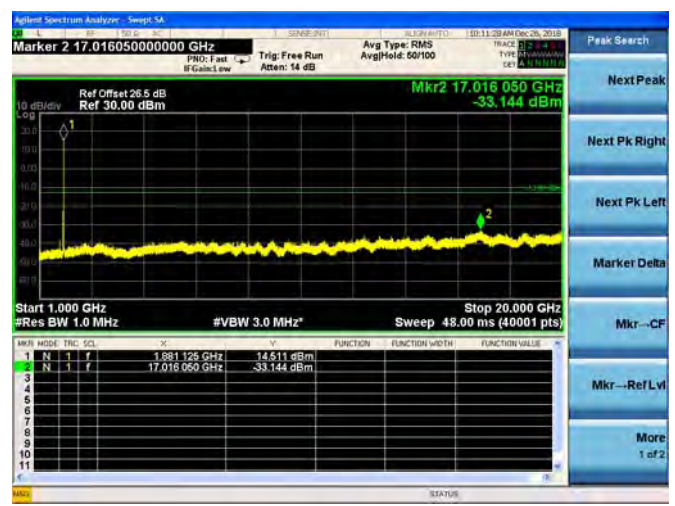
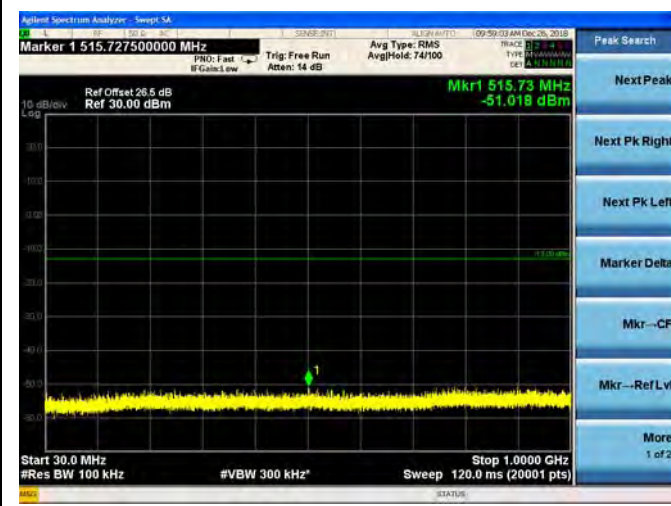


LTE Band 2 10MHz BW Mid Channel

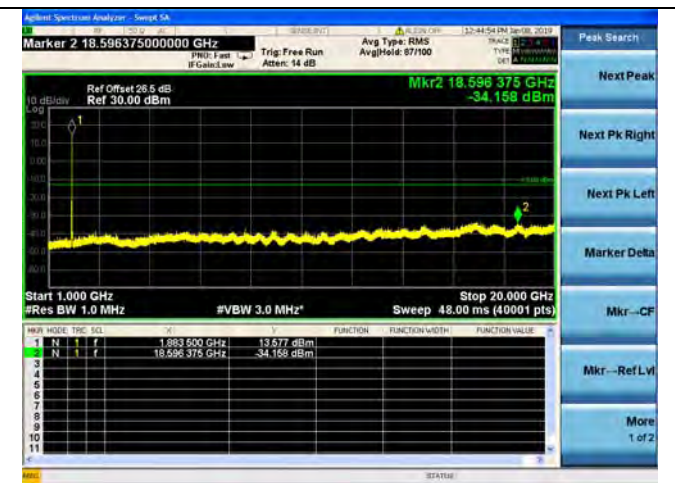
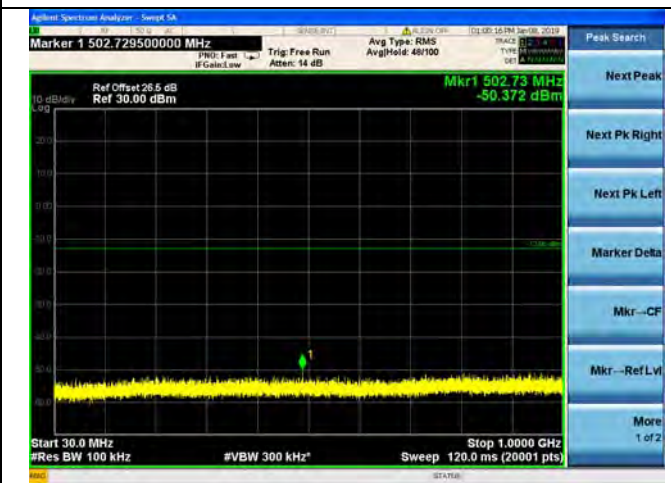
QPSK



16QAM



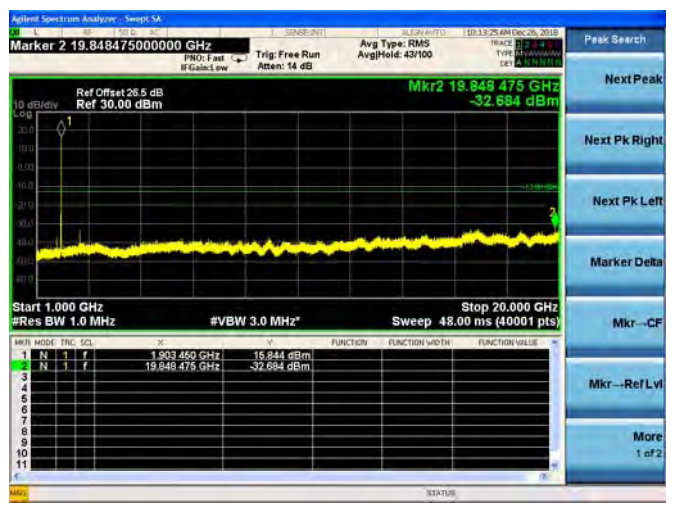
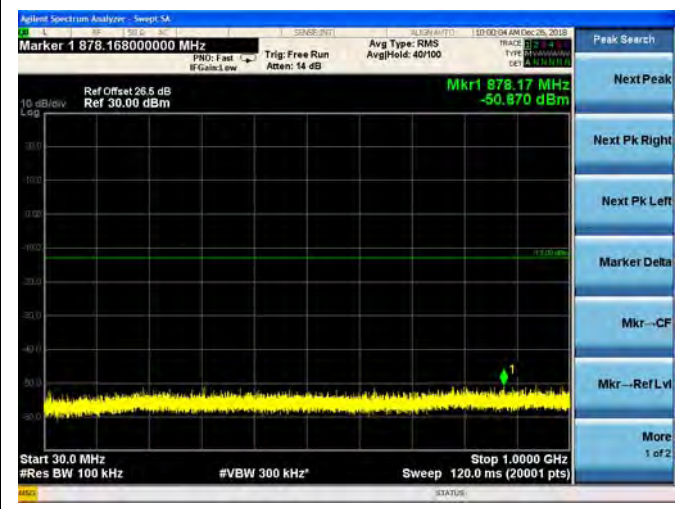
64QAM



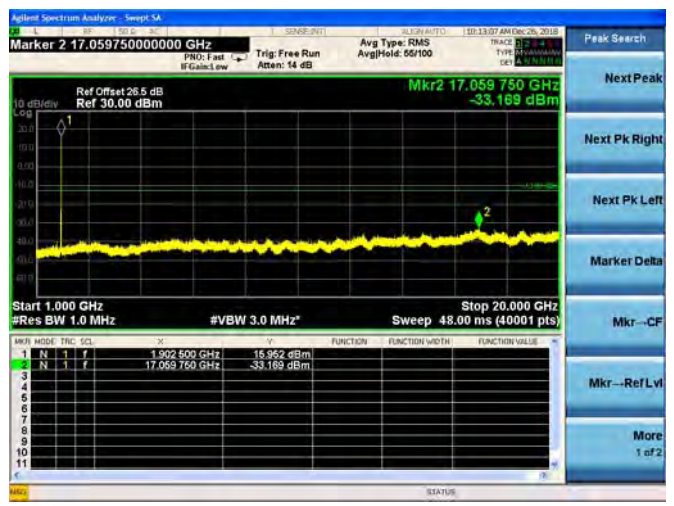


LTE Band 2 10MHz BW High Channel

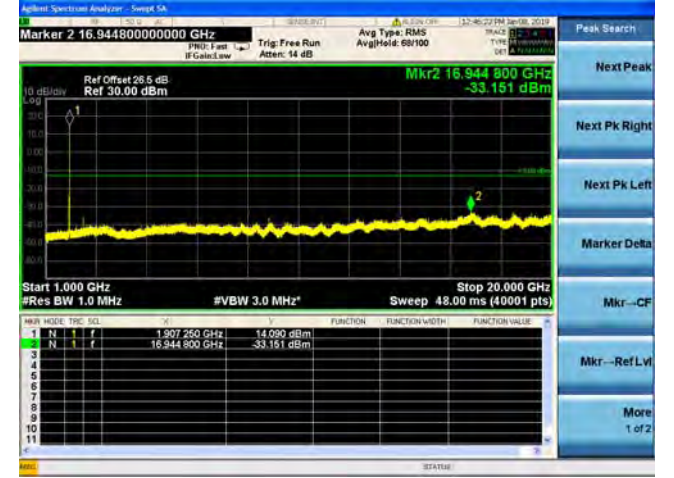
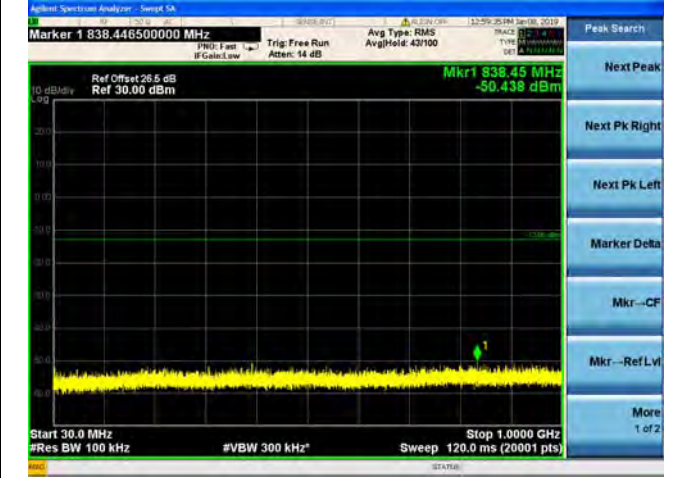
QPSK



16QAM



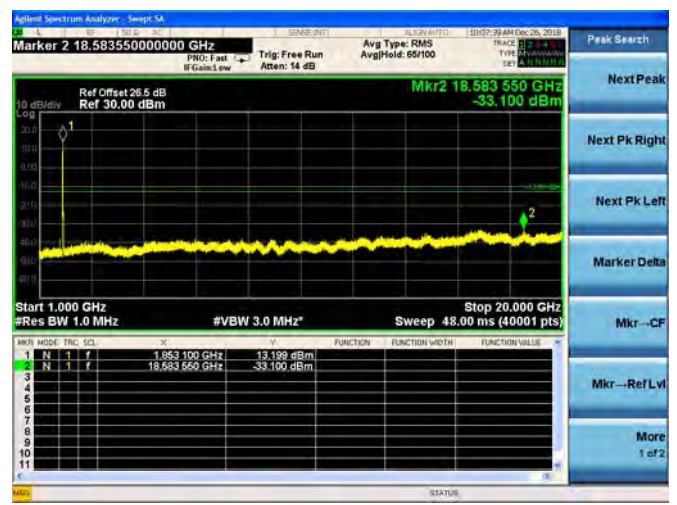
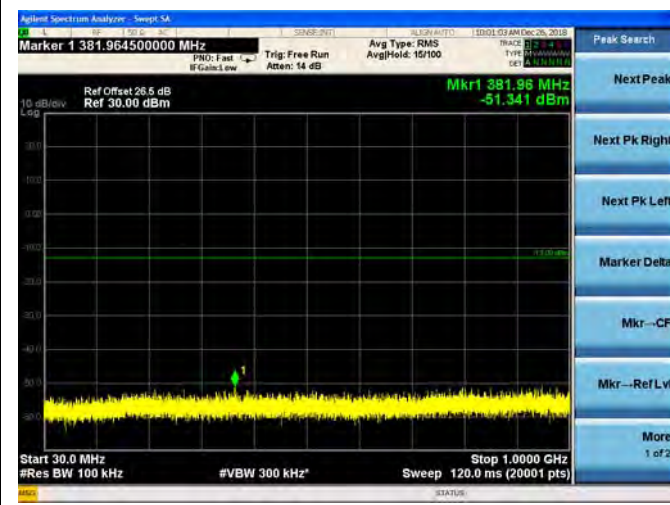
64QAM



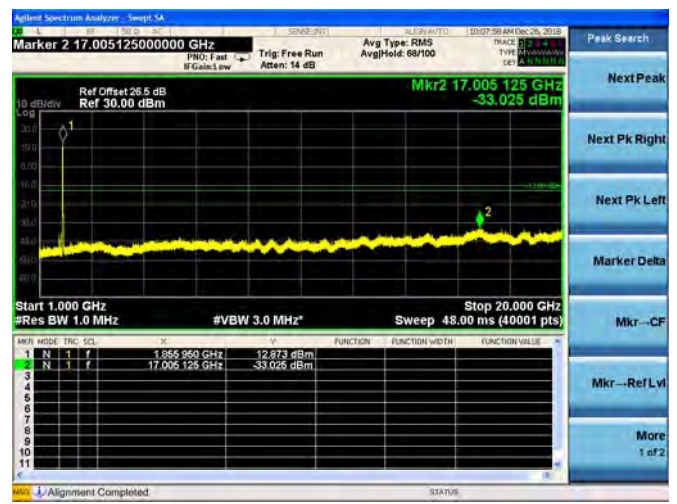
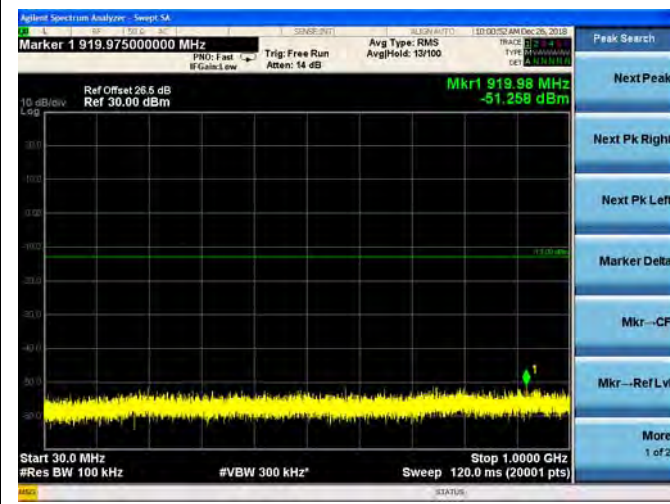


LTE Band 2 15MHz BW Low Channel

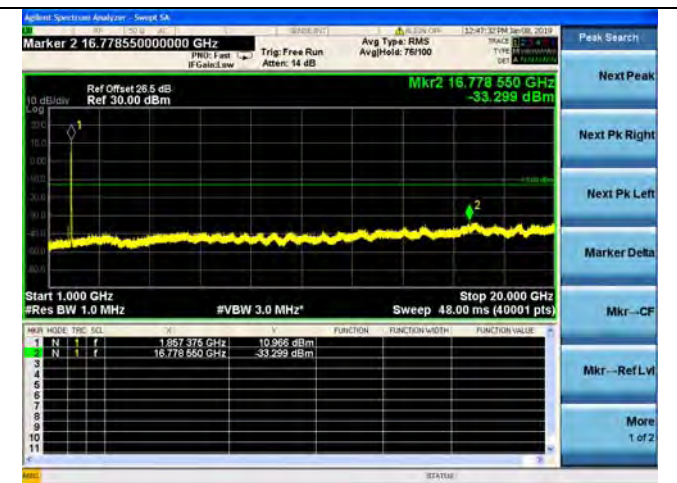
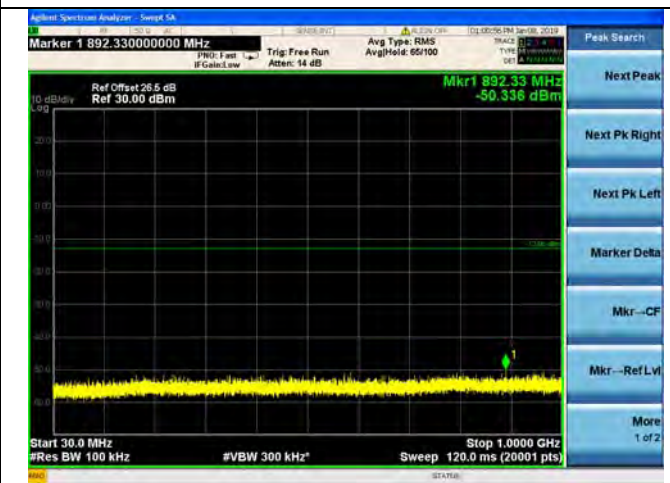
QPSK



16QAM



64QAM

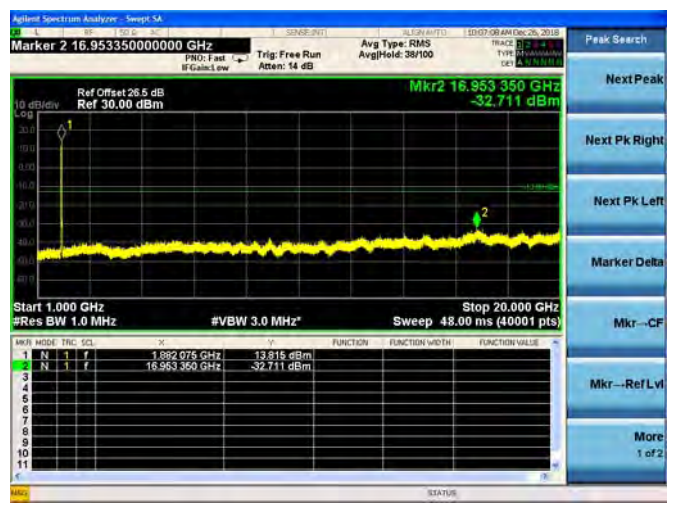
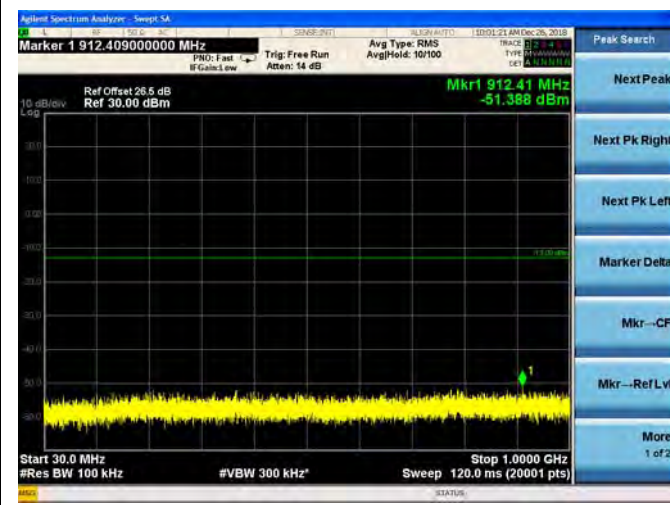




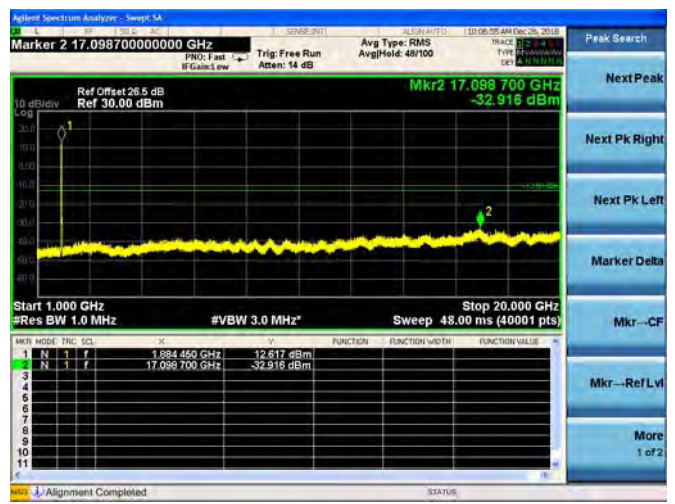
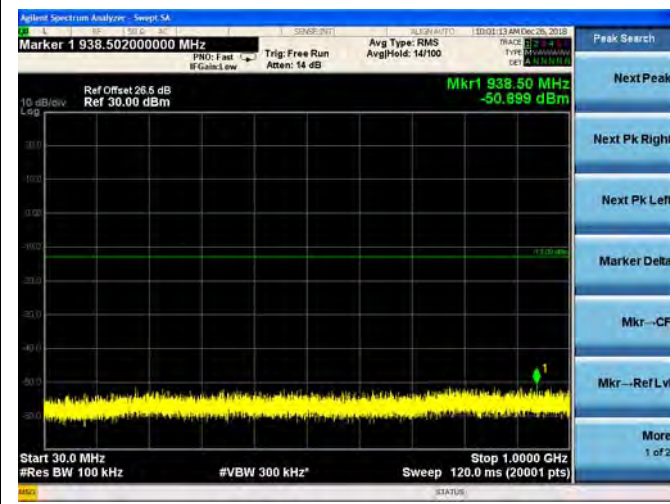


LTE Band 2 15MHz BW Mid Channel

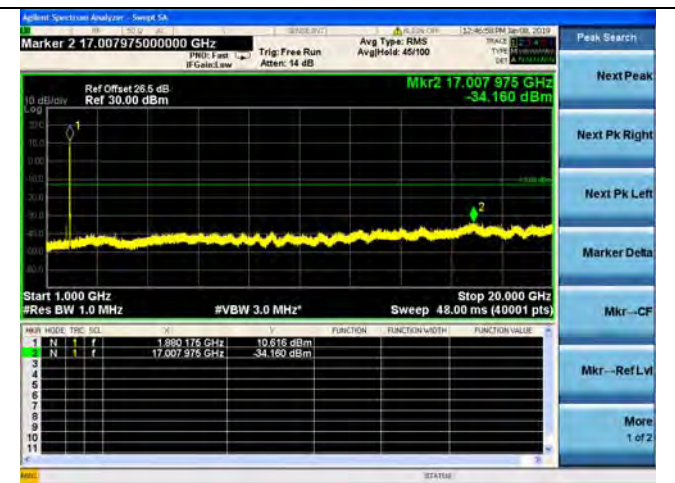
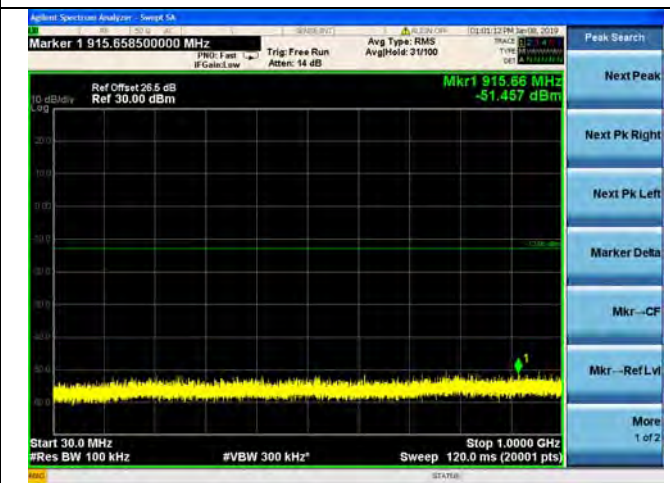
QPSK



16QAM



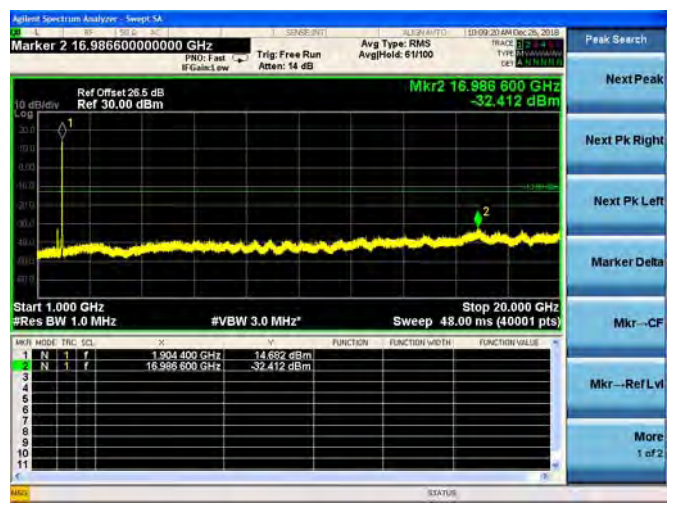
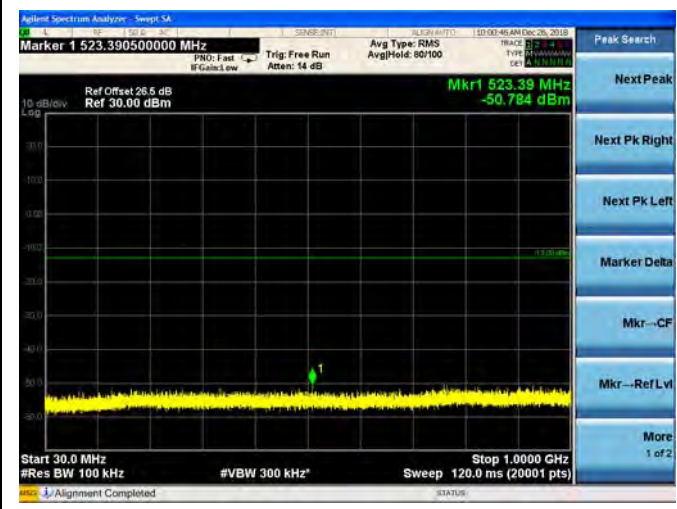
64QAM



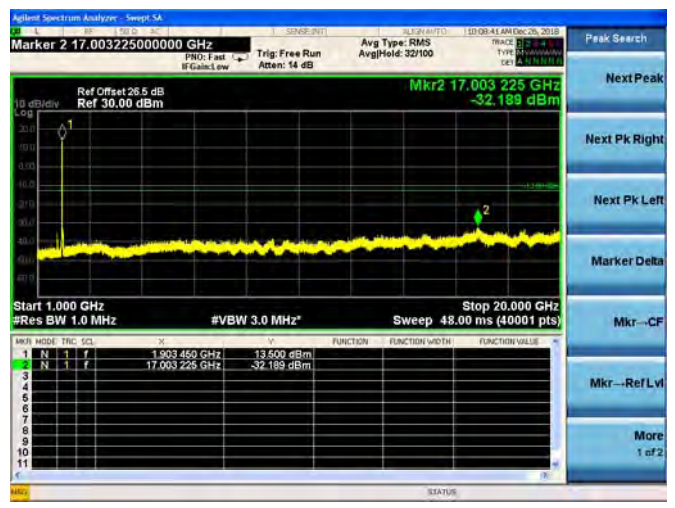
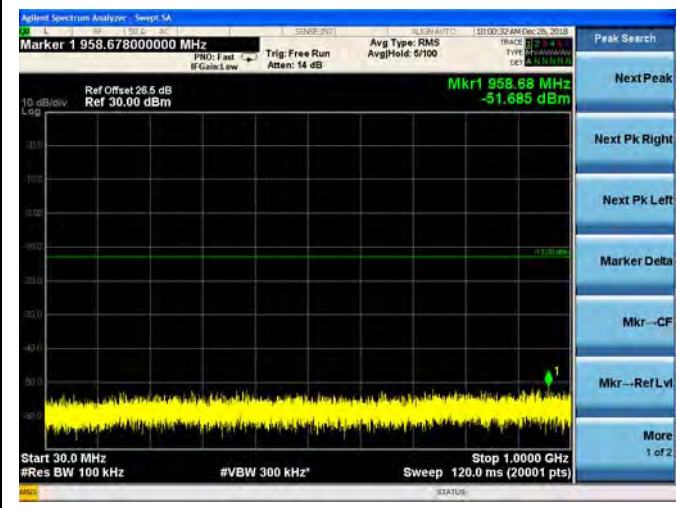


LTE Band 2 15MHz BW High Channel

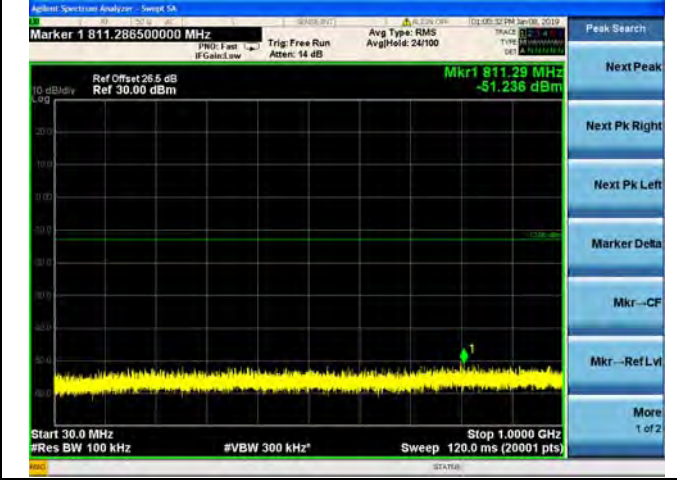
QPSK



16QAM



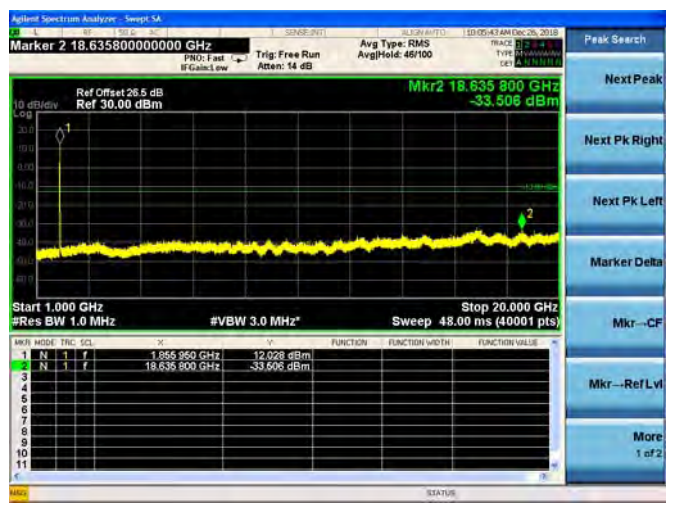
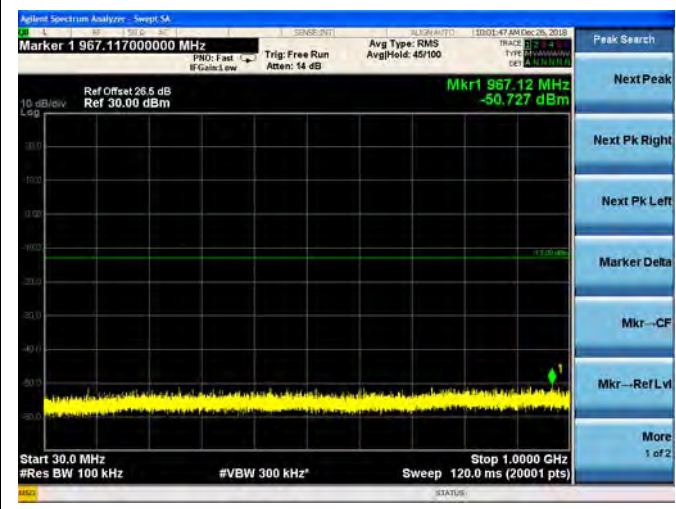
64QAM



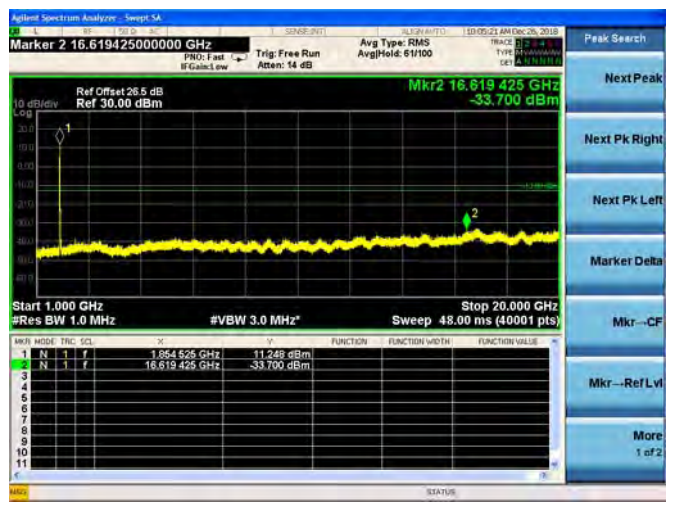
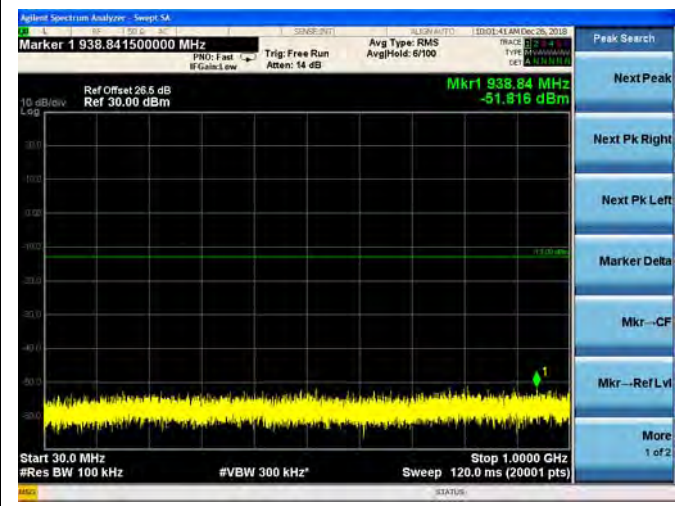


LTE Band 2 20MHz BW Low Channel

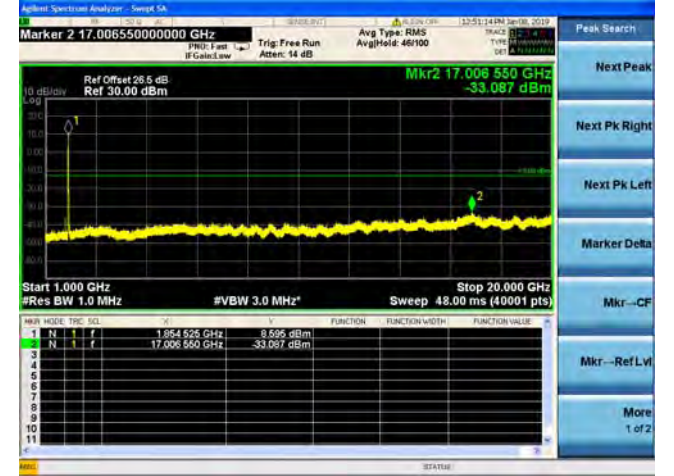
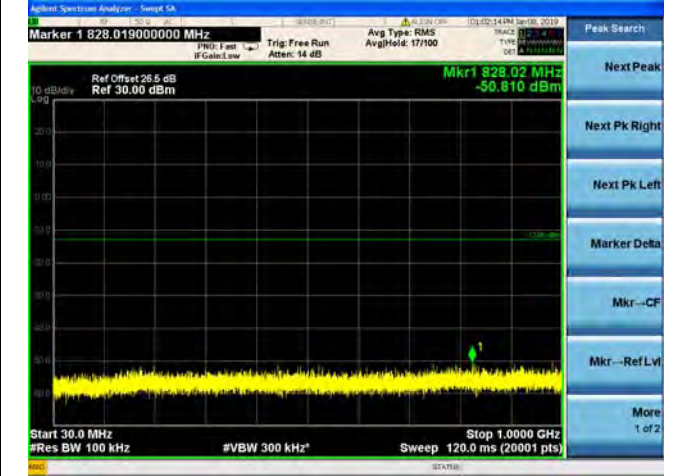
QPSK



16QAM



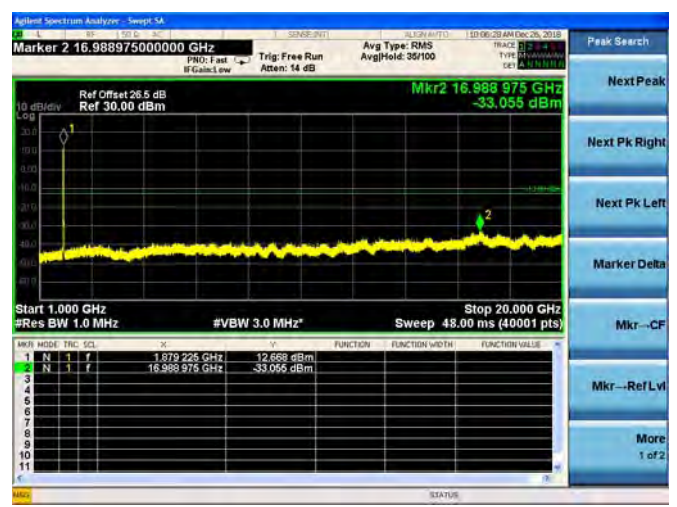
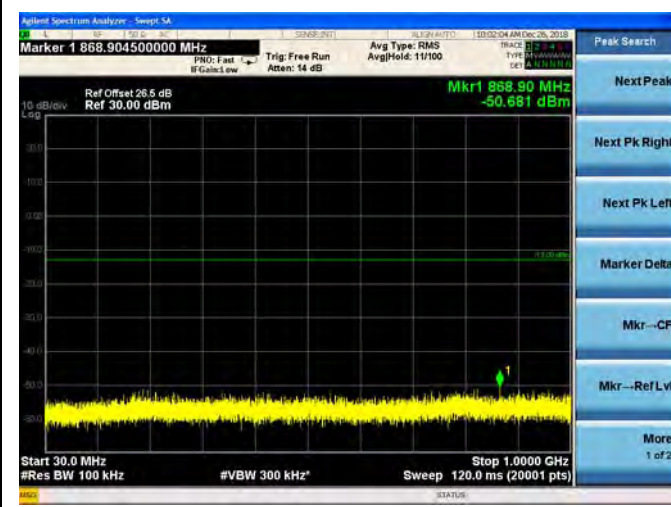
64QAM



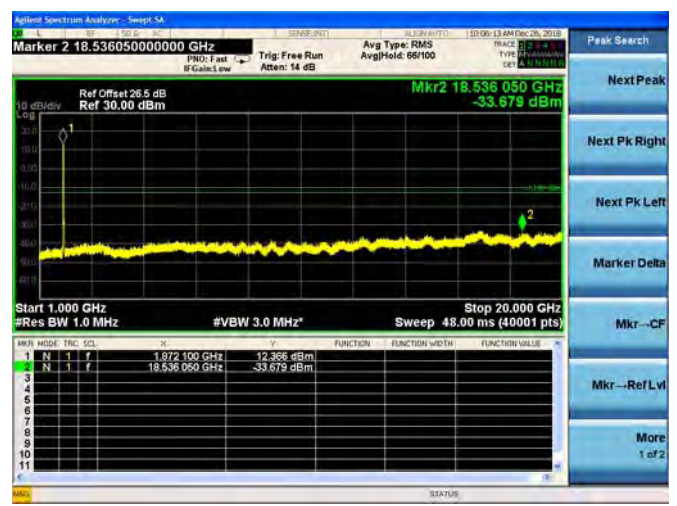
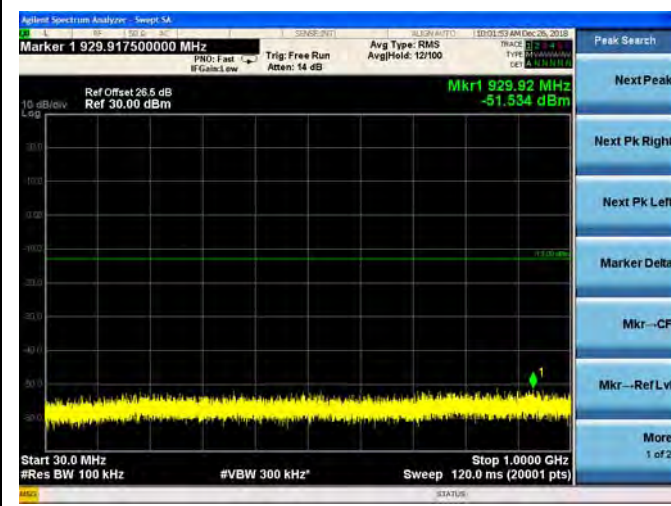


LTE Band 2 20MHz BW Mid Channel

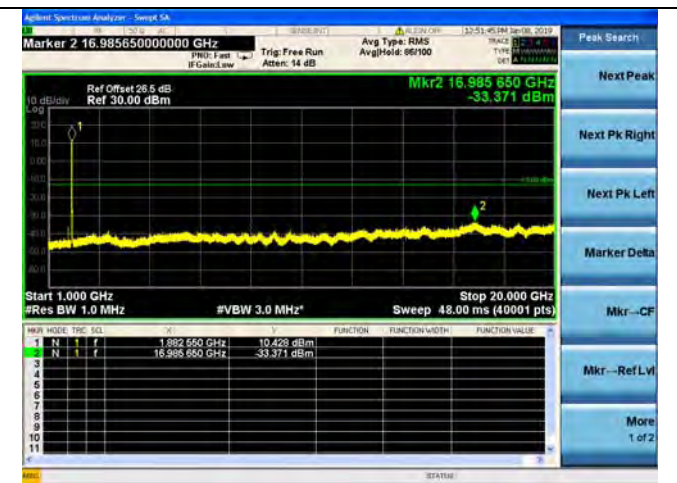
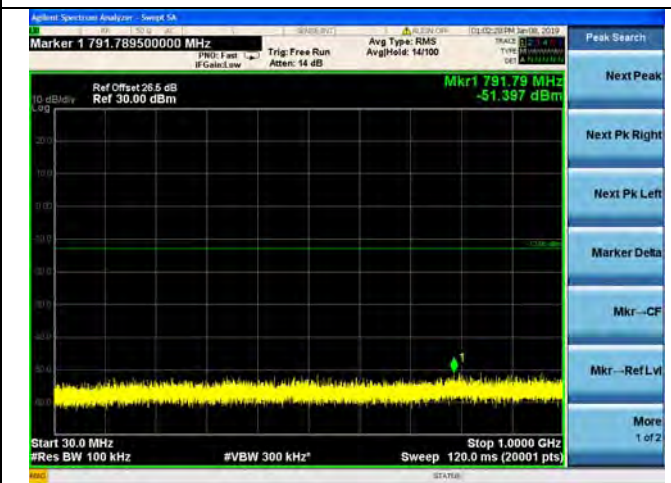
QPSK



16QAM



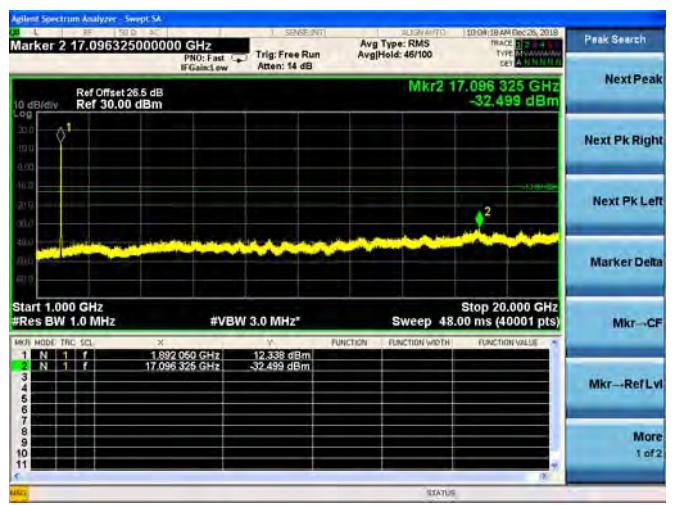
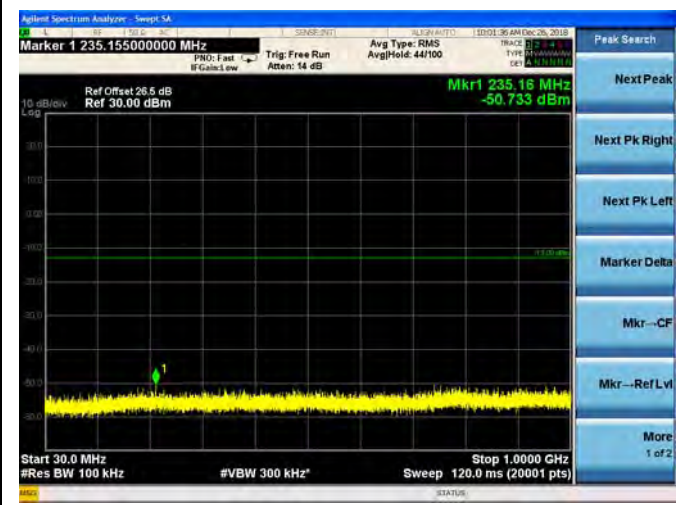
64QAM



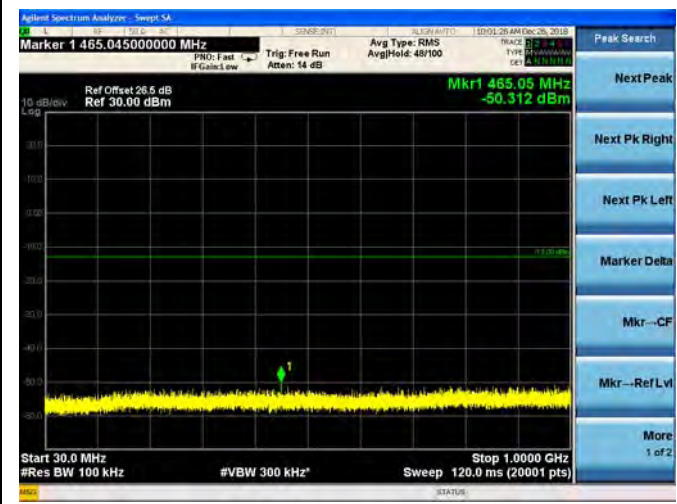


LTE Band 2 20MHz BW High Channel

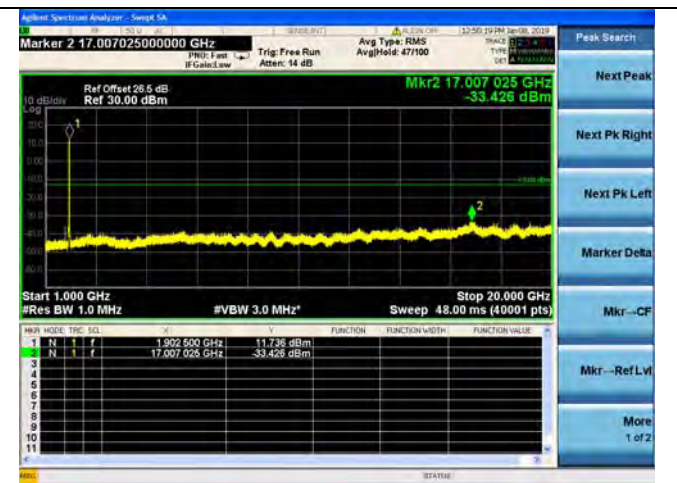
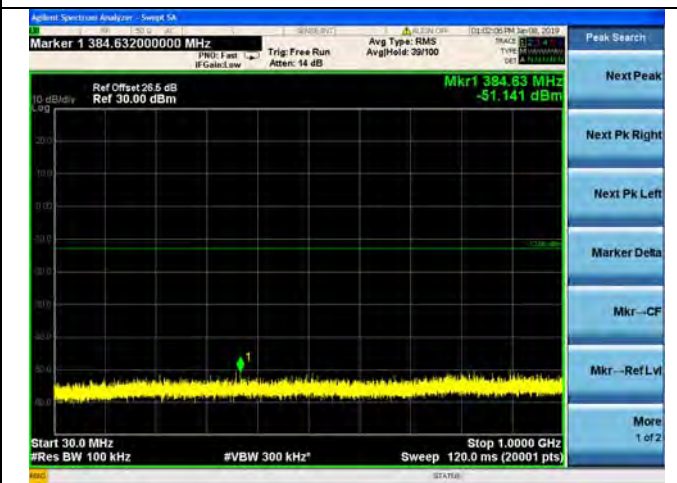
QPSK



16QAM



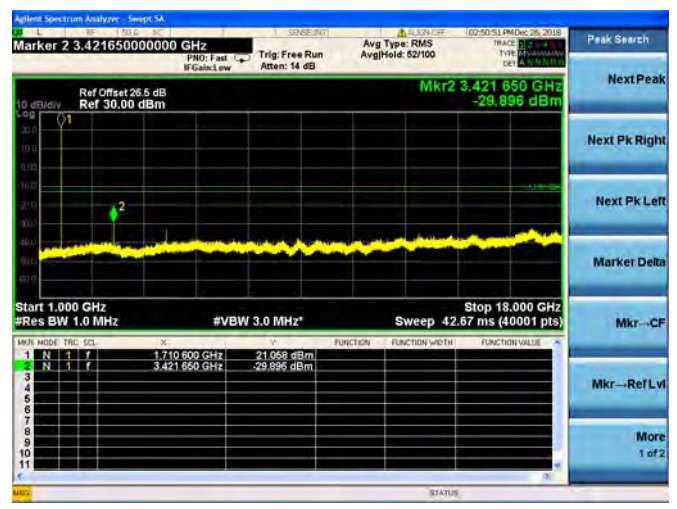
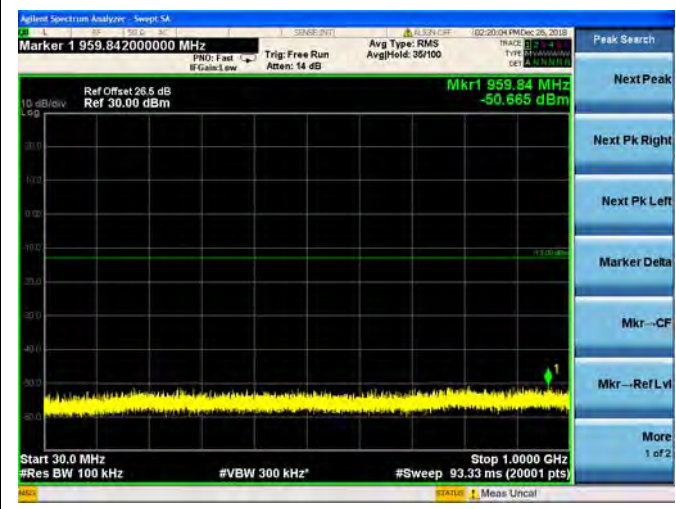
64QAM



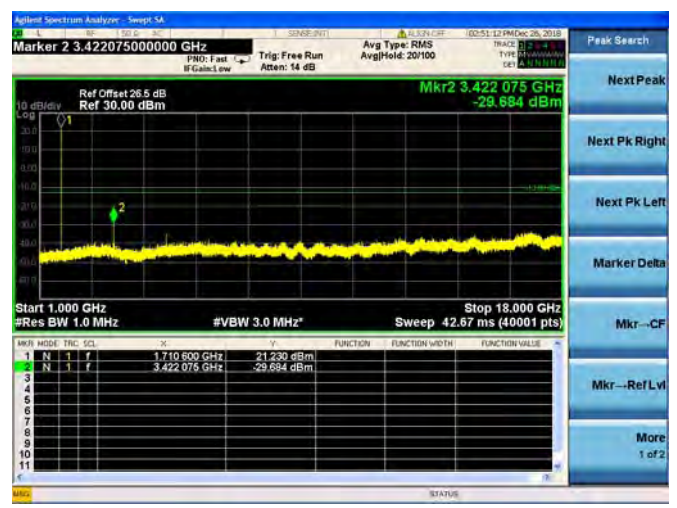
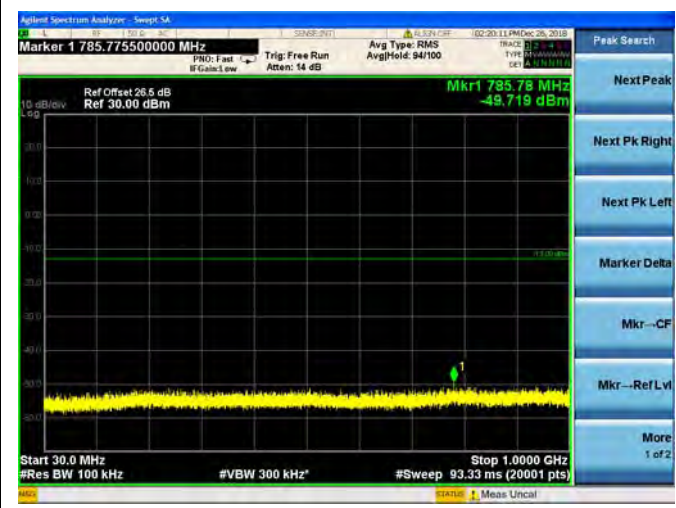


LTE Band 4 1.4MHz BW Low Channel

QPSK



16QAM



64QAM

