

**1.4MHz / QPSK / HCH****1.4MHz / 16QAM / HCH****1.4MHz / 64QAM / HCH**



LTE Band 26 Peak-to-Average Radio

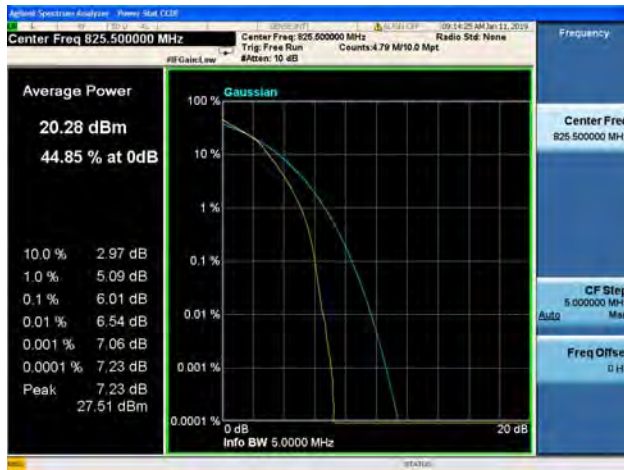
3MHz / QPSK / LCH



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

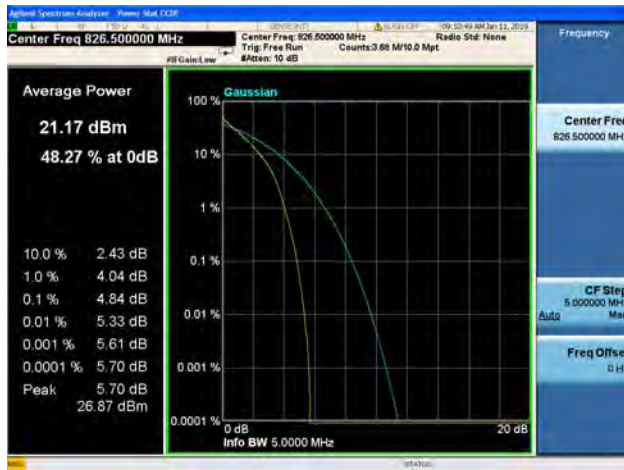
5MHz / QPSK / LCH



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

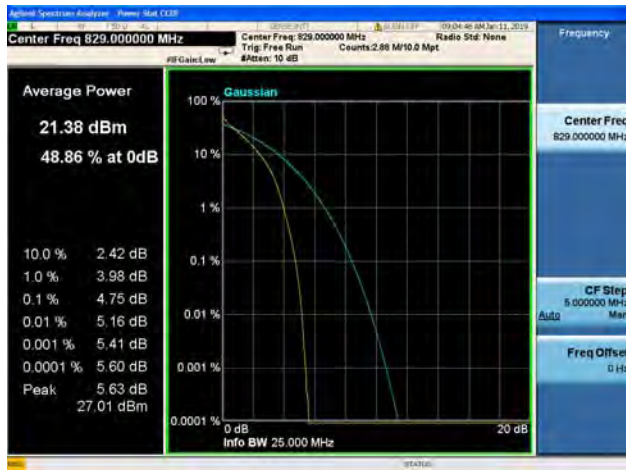
10MHz / QPSK / LCH



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

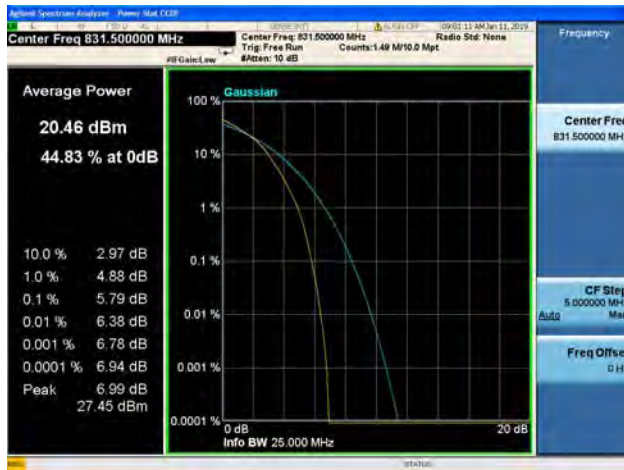
15MHz / QPSK / LCH



15MHz / 16QAM / LCH



15MHz / 64QAM / LCH



15MHz / QPSK / MCH

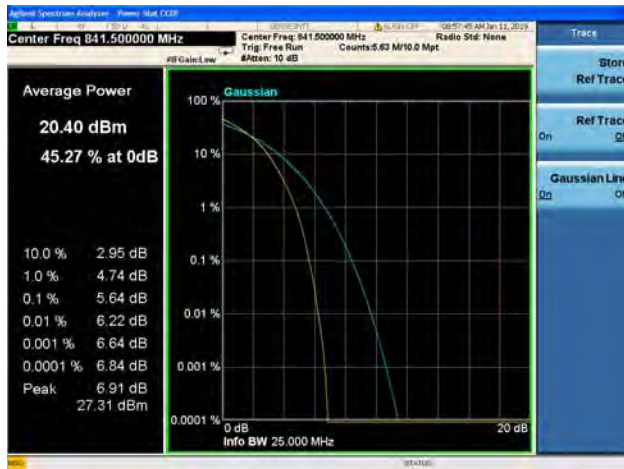


15MHz / 16QAM / MCH



15MHz / 64QAM / MCH



**15MHz / QPSK / HCH****15MHz / 16QAM / HCH****15MHz / 64QAM / HCH**



LTE Band 30 Peak-to-Average Radio

5MHz / QPSK / LCH



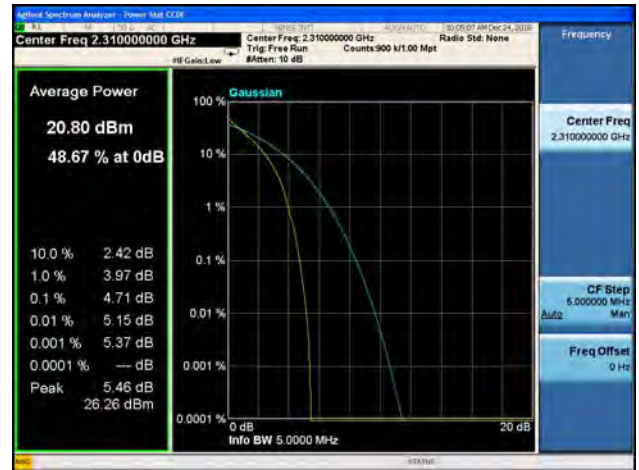
5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



5MHz / QPSK / MCH

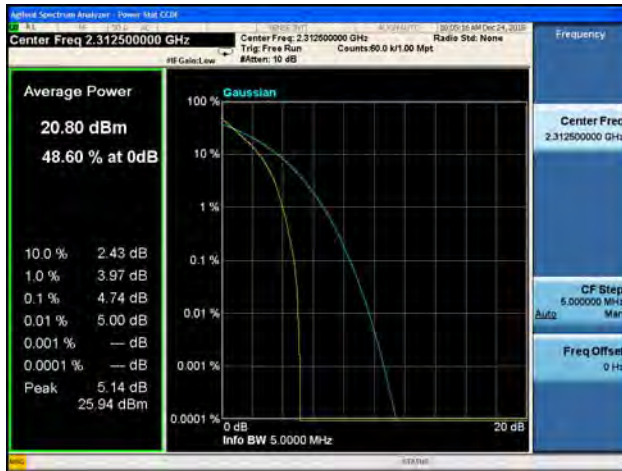


5MHz / 16QAM / MCH



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



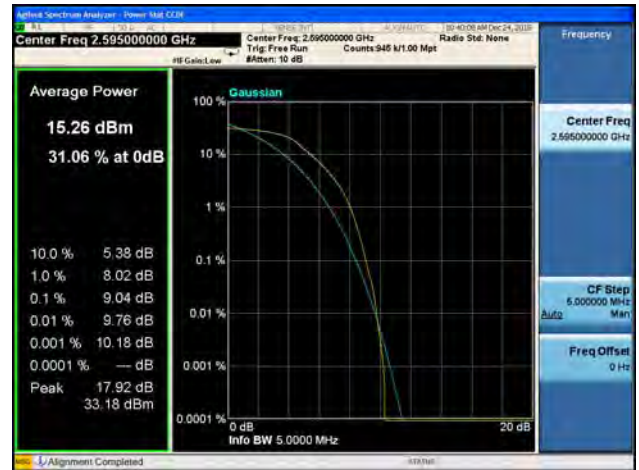
5MHz / 16QAM / LCH



5MHz / 64QAM / LCH



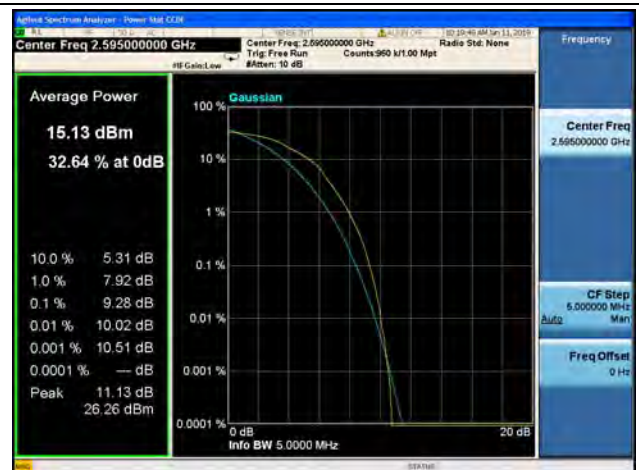
5MHz / QPSK / MCH



5MHz / 16QAM / MCH



5MHz / 64QAM / MCH



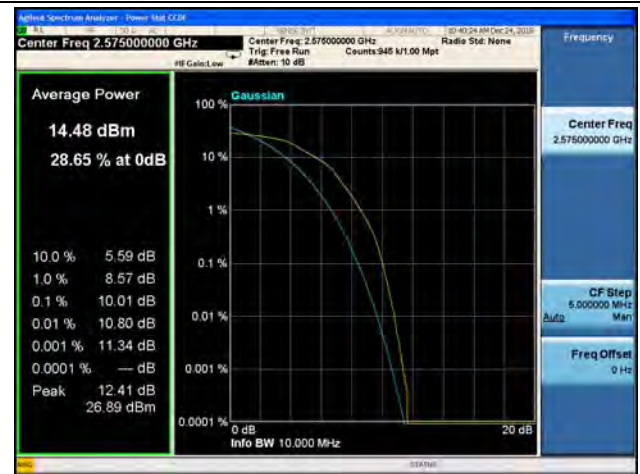
**5MHz / QPSK / HCH****5MHz / 16QAM / HCH****5MHz / 64QAM / HCH**

LTE Band 38 Peak-to-Average Ratio

10MHz / QPSK / LCH



10MHz / 16QAM / LCH



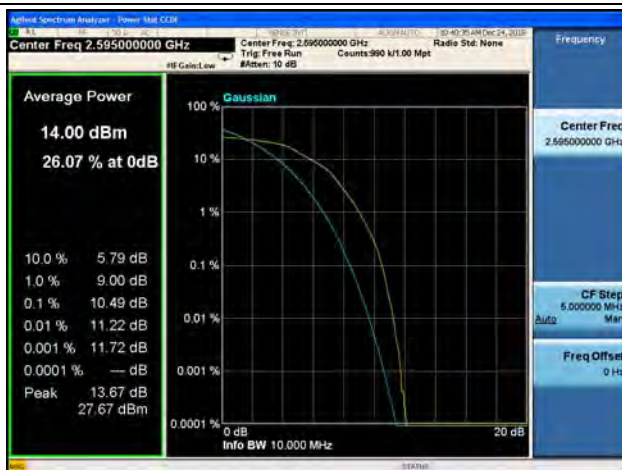
10MHz / 64QAM / LCH



10MHz / QPSK / MCH

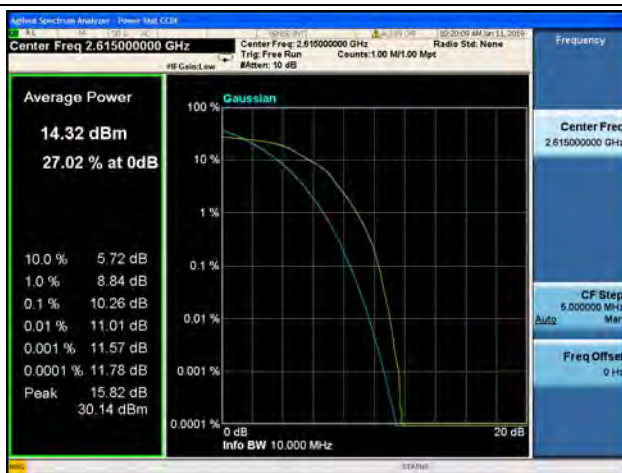


10MHz / 16QAM / MCH



10MHz / 64QAM / MCH



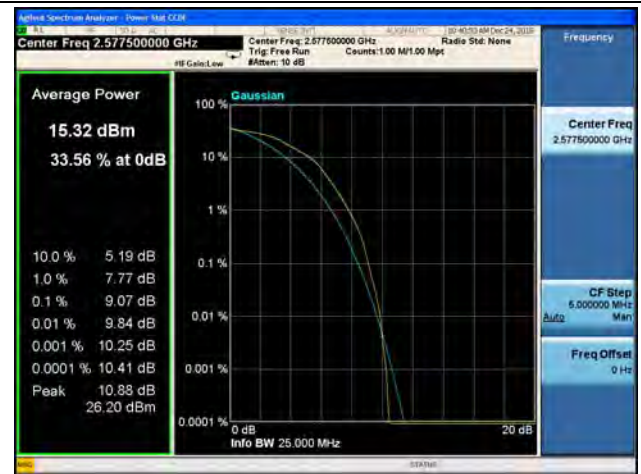
**10MHz / QPSK / HCH****10MHz / 16QAM / HCH****10MHz / 64QAM / HCH**

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**

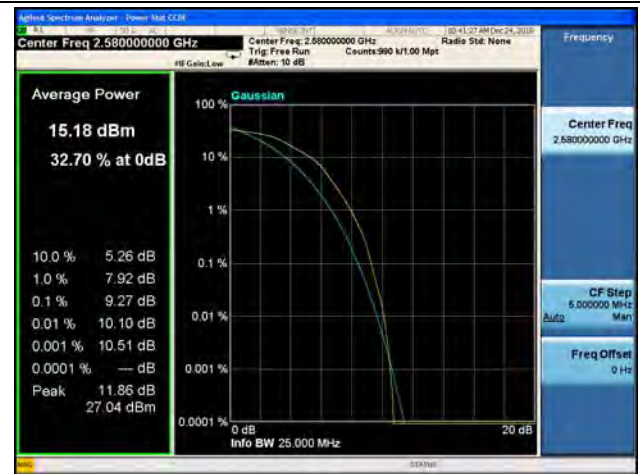


LTE Band 38 Peak-to-Average Radio

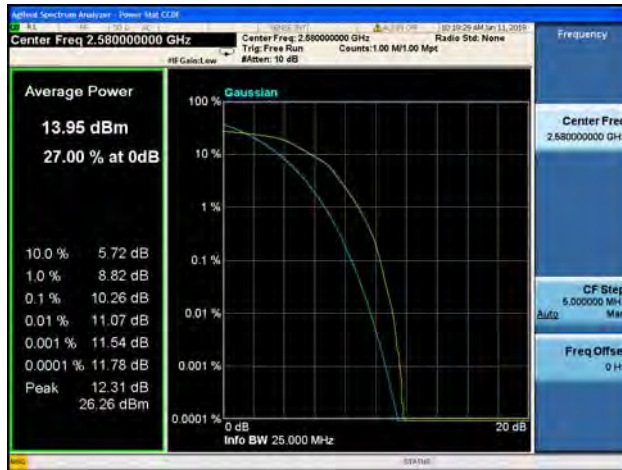
20MHz / QPSK / LCH



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

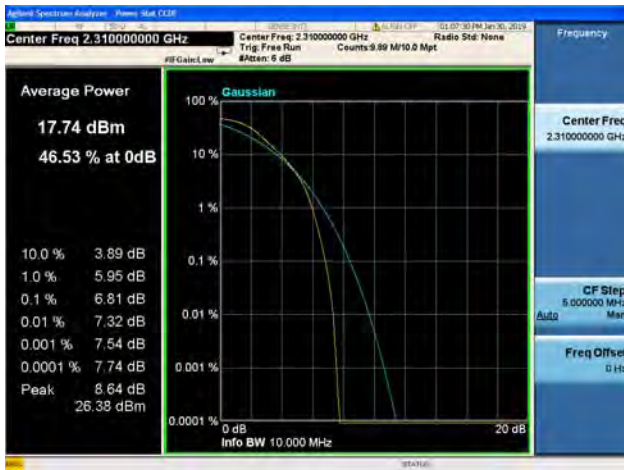
10MHz / QPSK / MCH



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



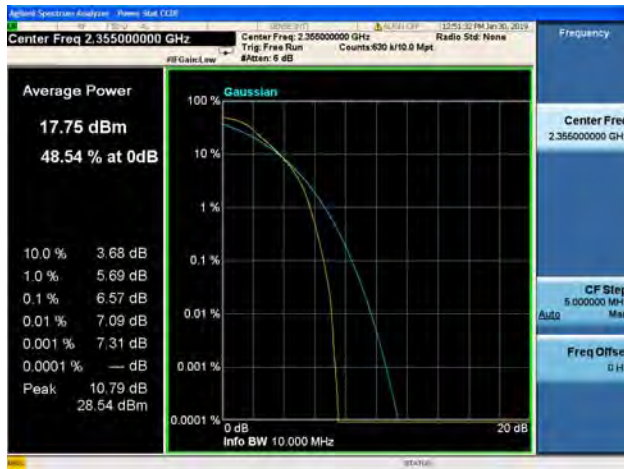
5MHz / 64QAM / HCH



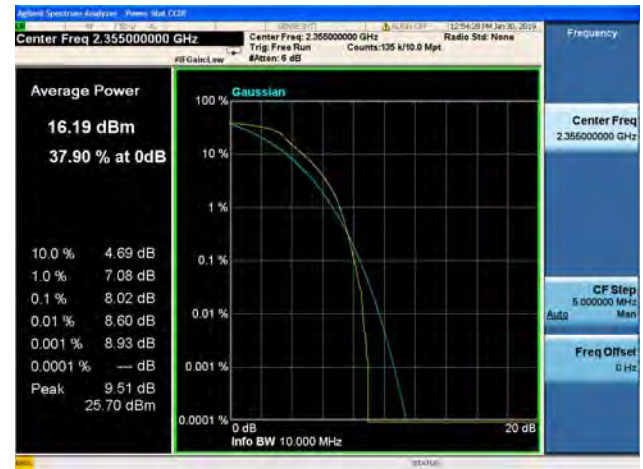


LTE Band 40 Block B Peak-to-Average Ratio

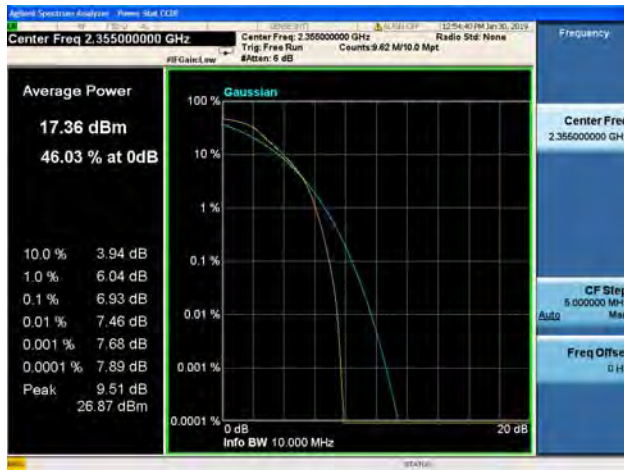
10MHz / QPSK / MCH



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.

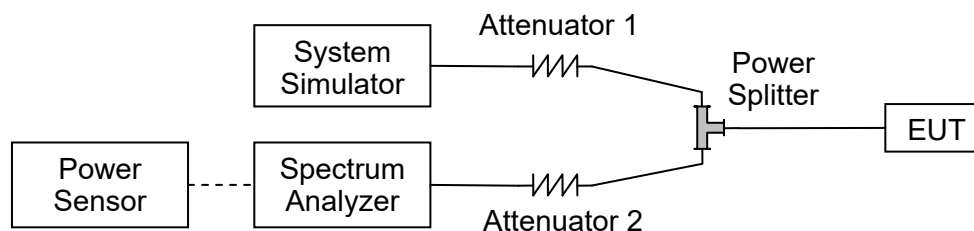
Additional requirement for LTE Band 7/38/41:

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.

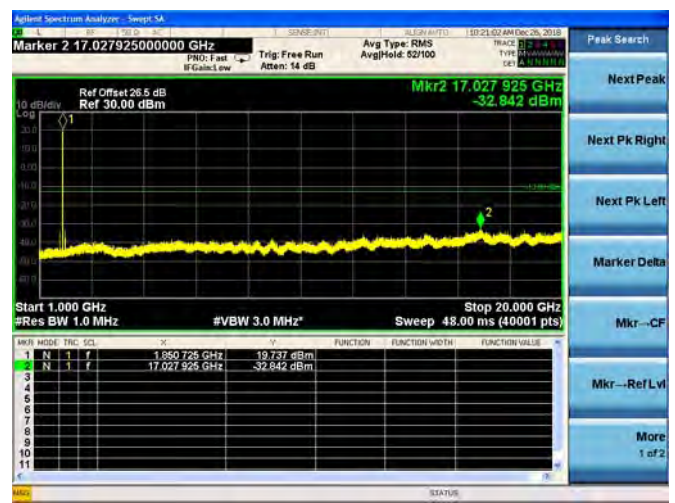
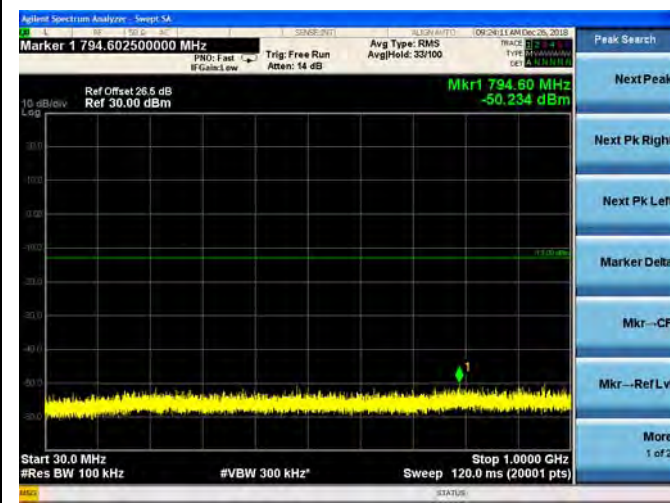
2.5.4. Test Result



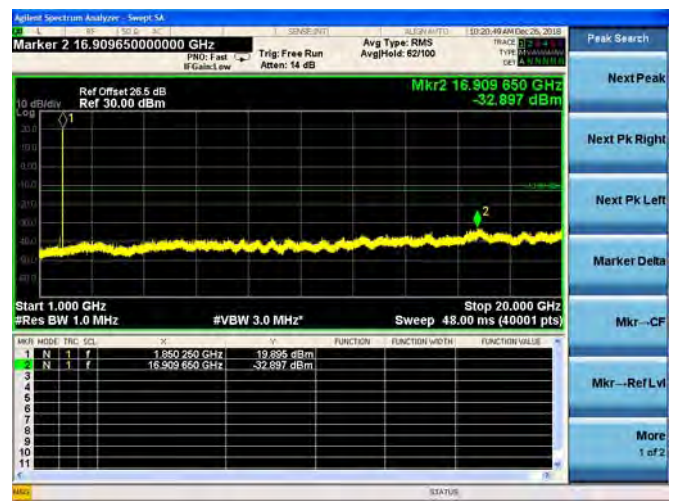
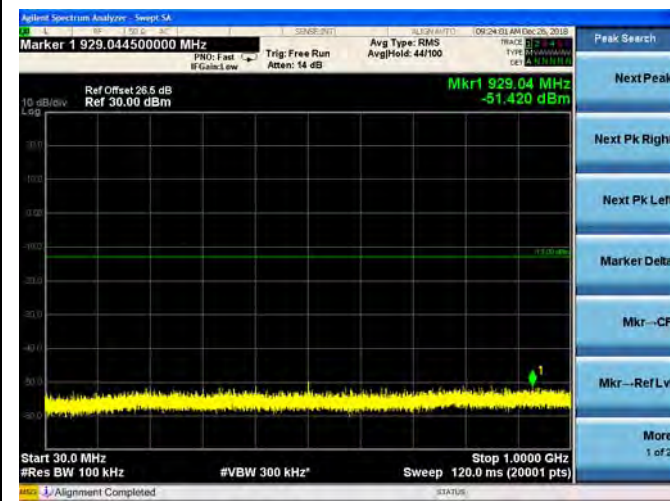
REPORT No.: SZ18110268W07

LTE Band 2 1.4MHz BW Low Channel

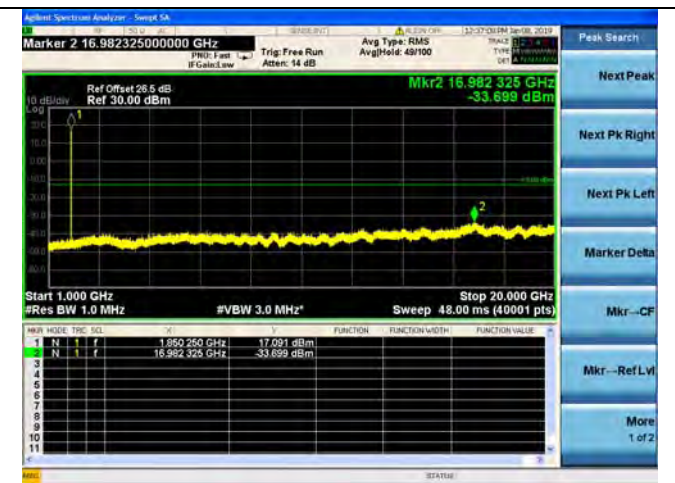
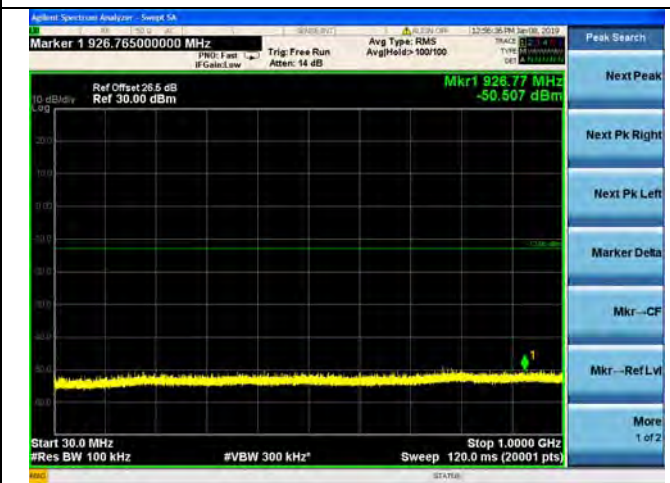
QPSK



16QAM



64QAM

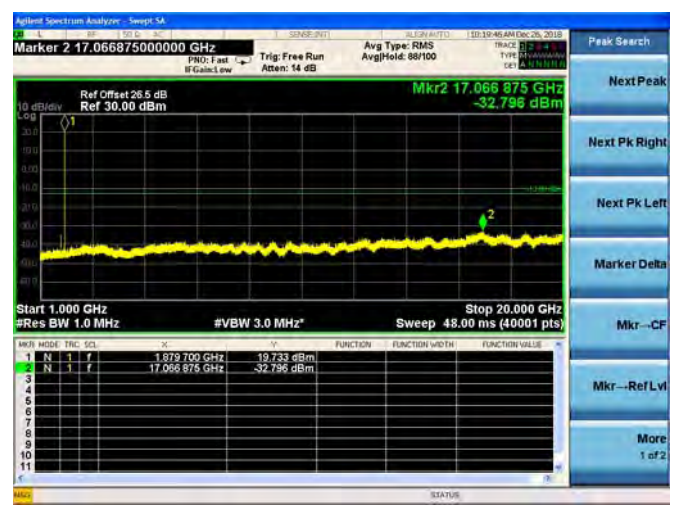
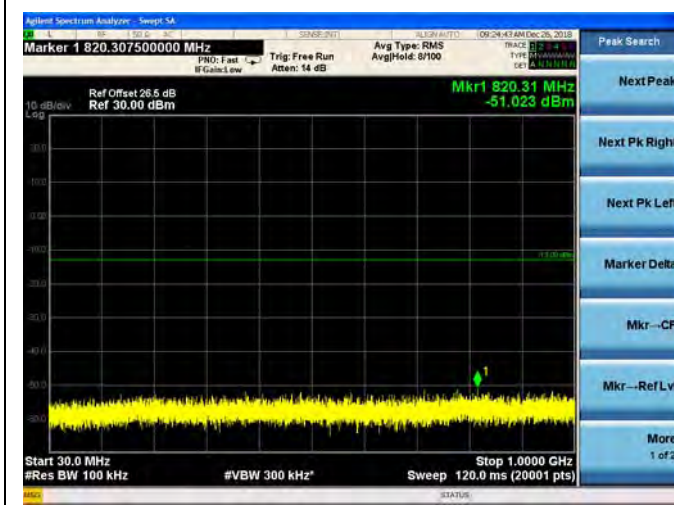




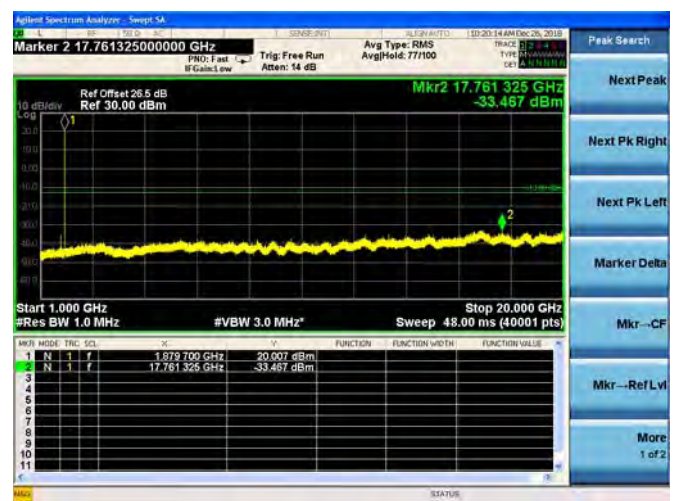
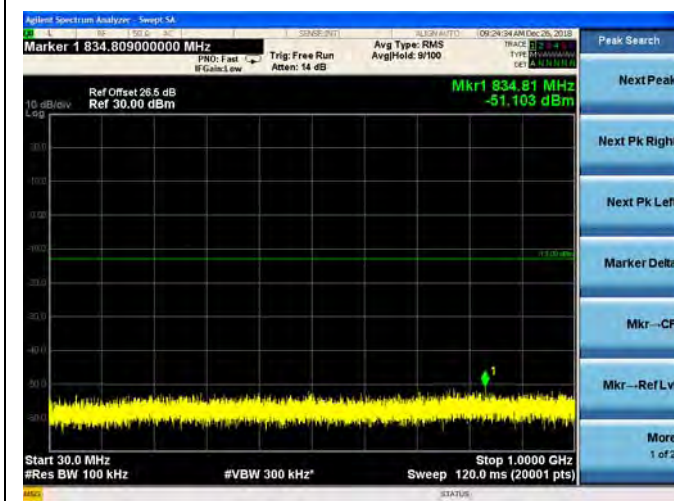
REPORT No.: SZ18110268W07

LTE Band 2 1.4MHz BW Mid Channel

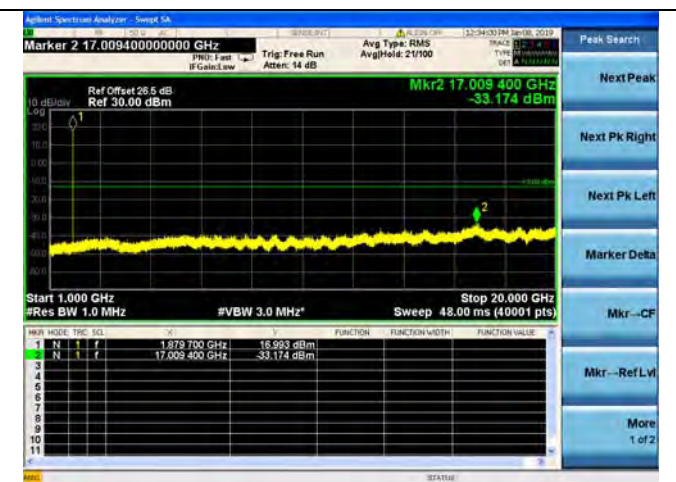
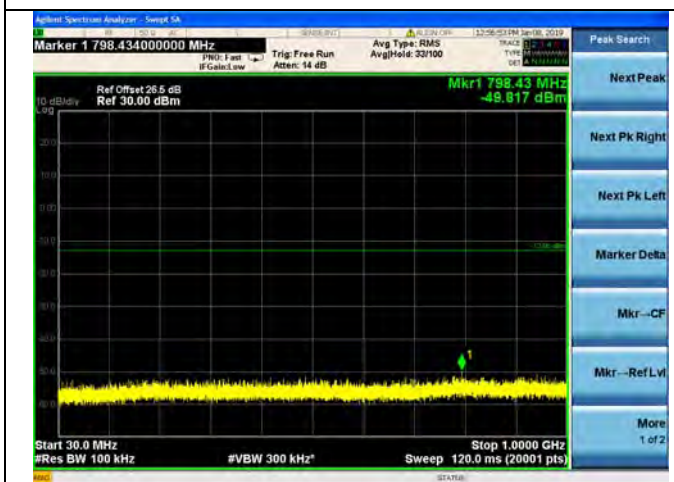
QPSK



16QAM



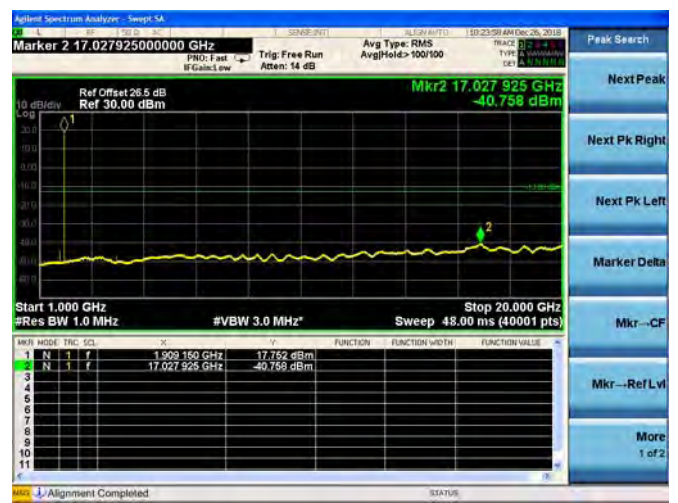
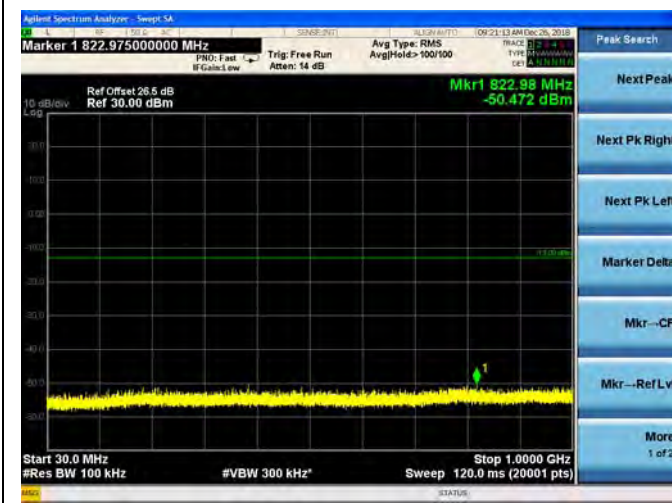
64QAM



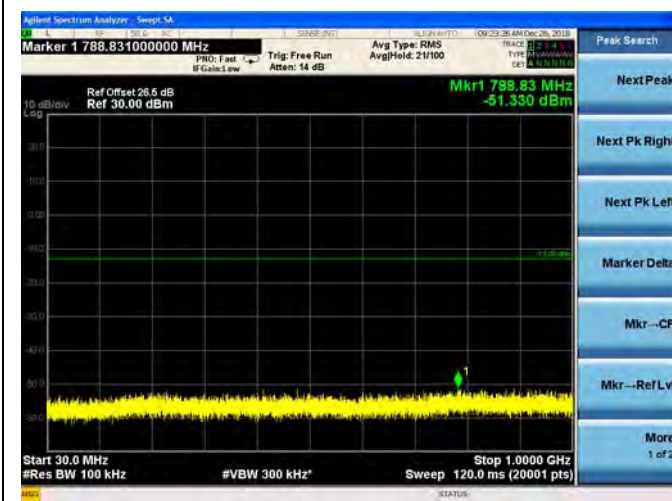


LTE Band 2 1.4MHz BW High Channel

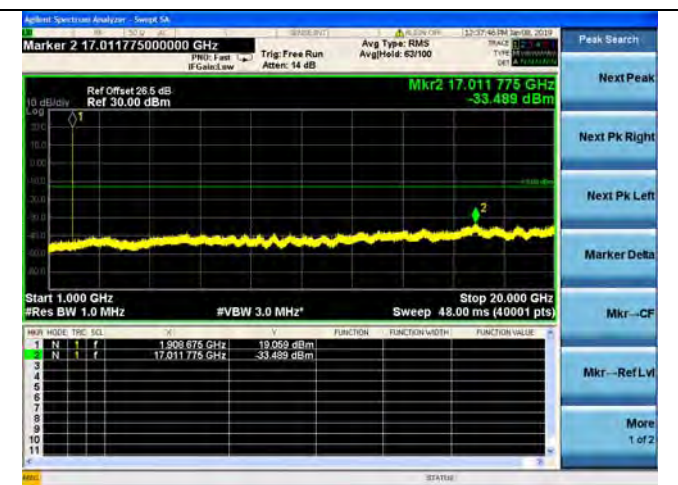
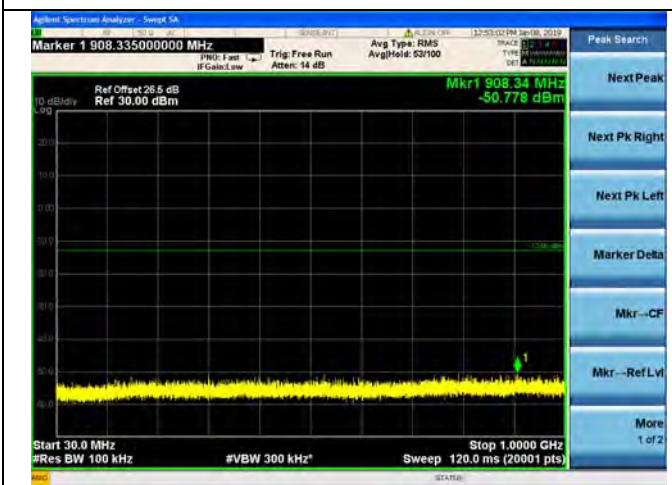
QPSK



16QAM



64QAM



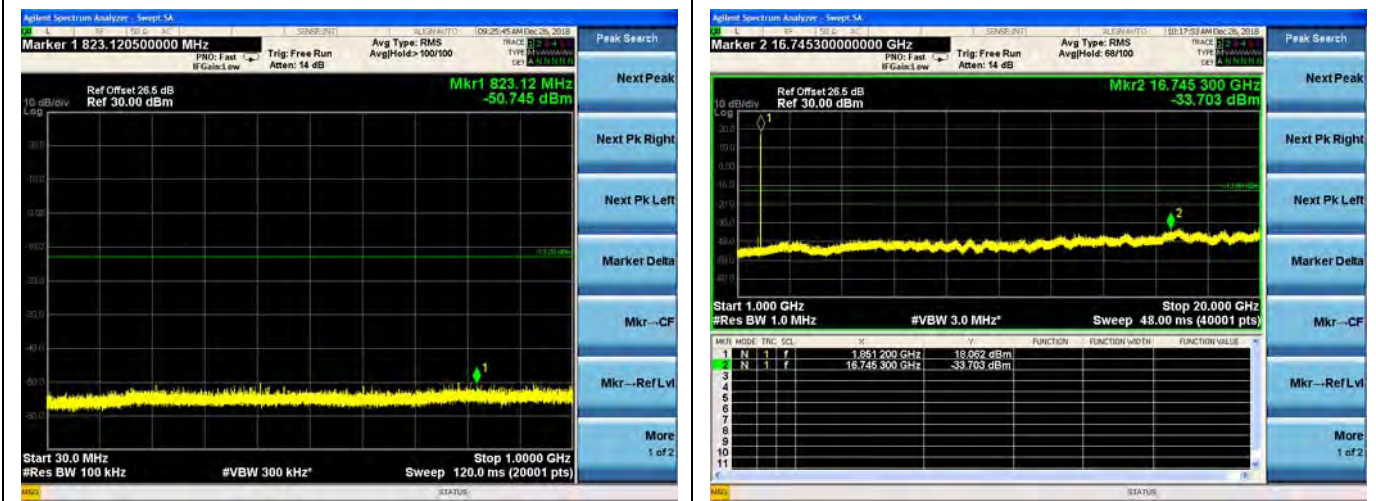


LTE Band 2 3MHz BW Low Channel

QPSK



16QAM

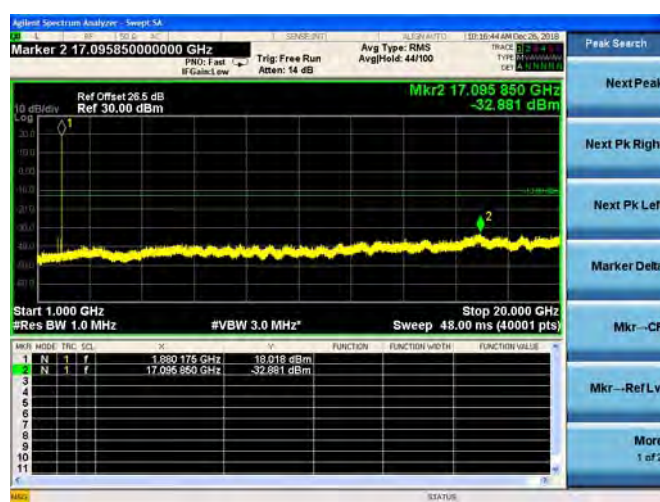


64QAM

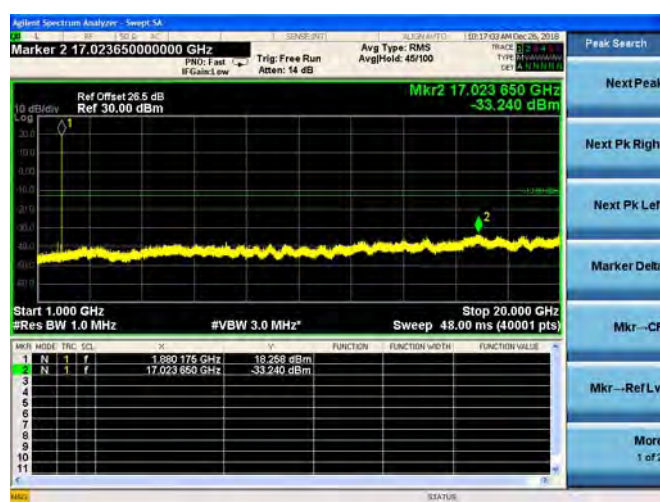




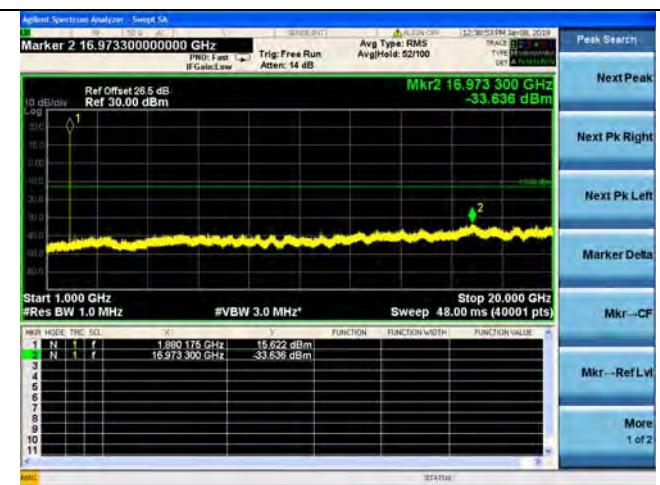
QPSK



16QAM



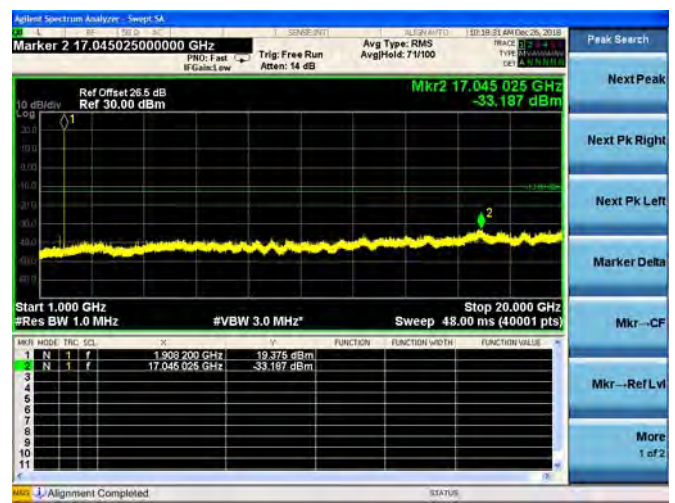
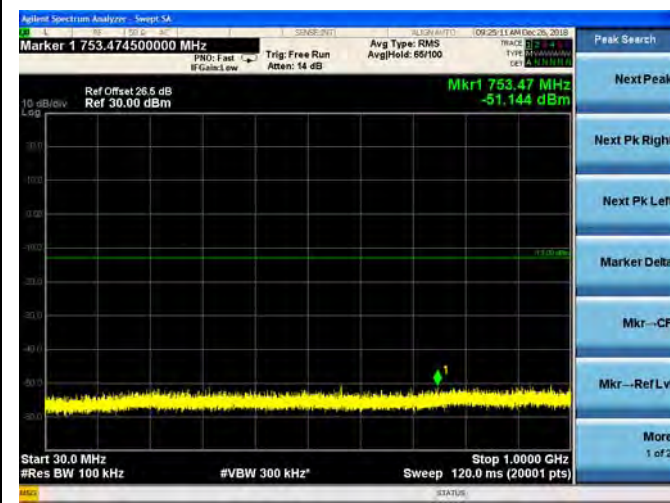
64QAM



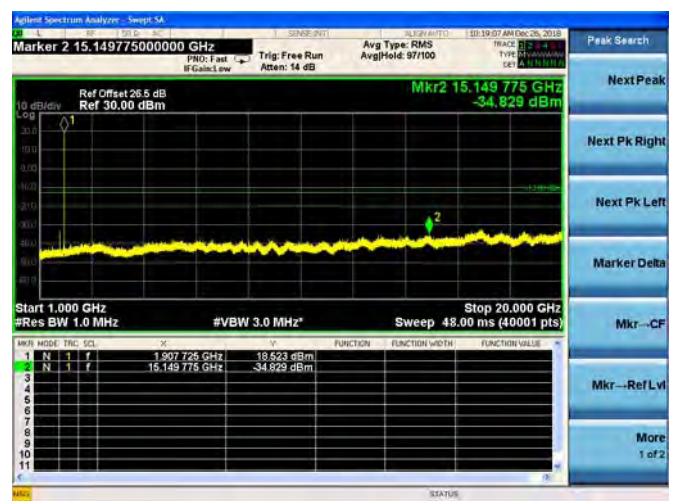
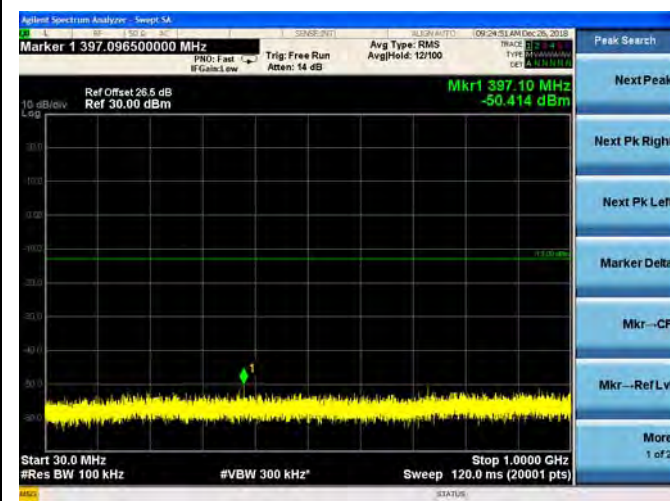


LTE Band 2 3MHz BW High Channel

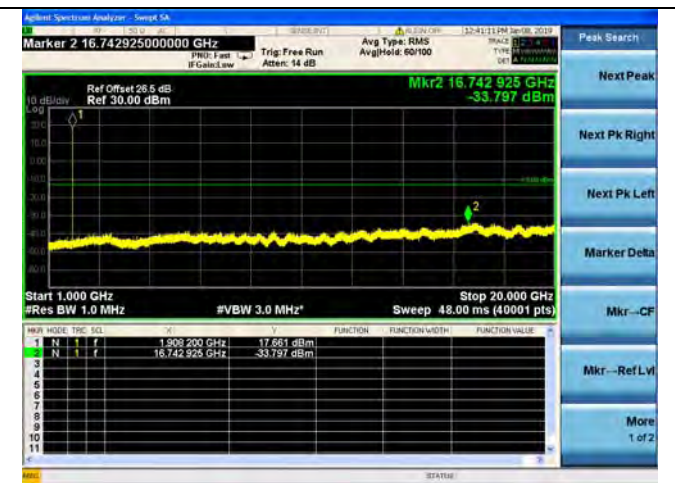
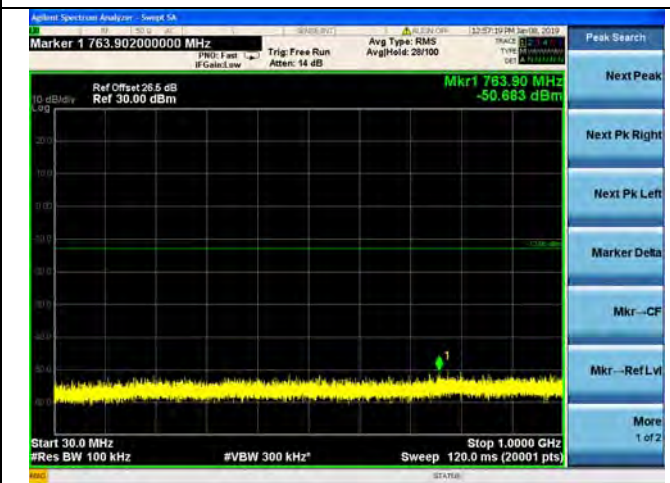
QPSK



16QAM



64QAM

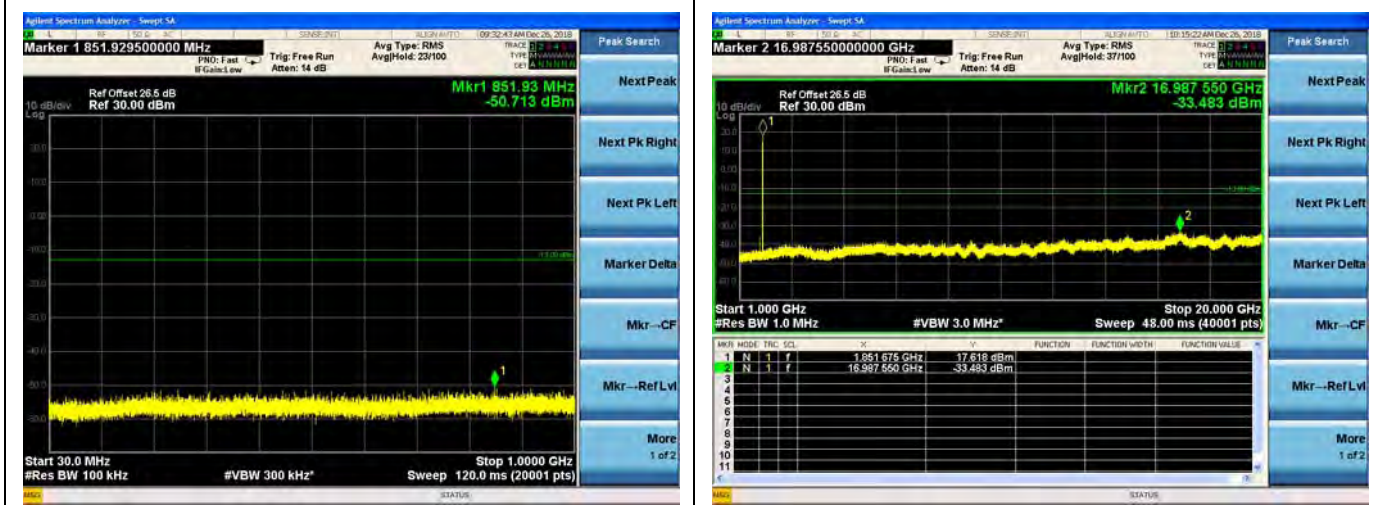




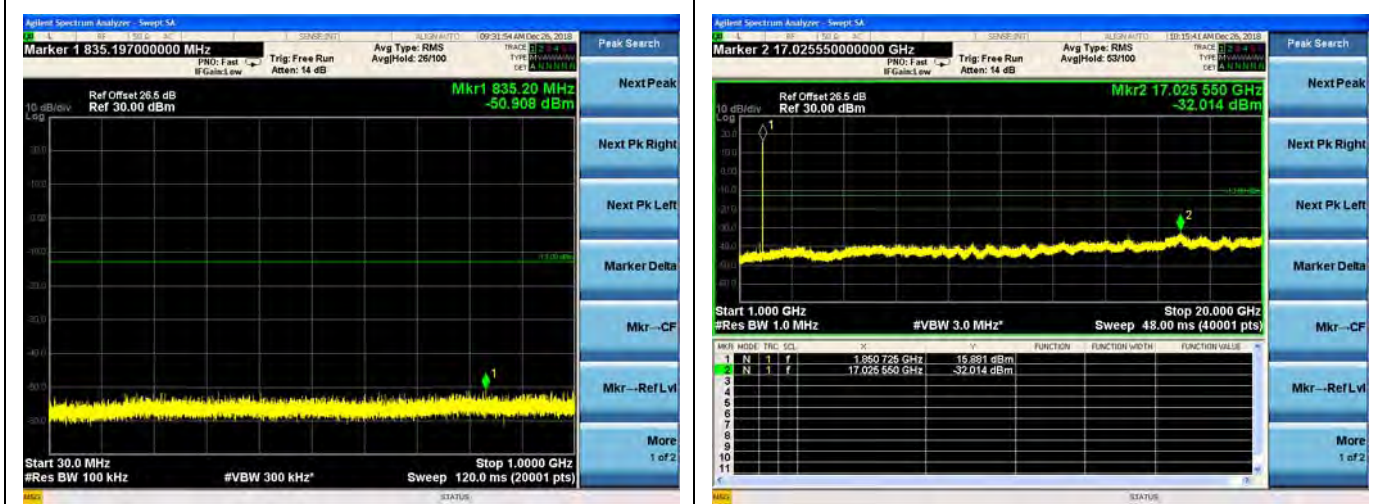
REPORT No.: SZ18110268W07

LTE Band 2 5MHz BW Low Channel

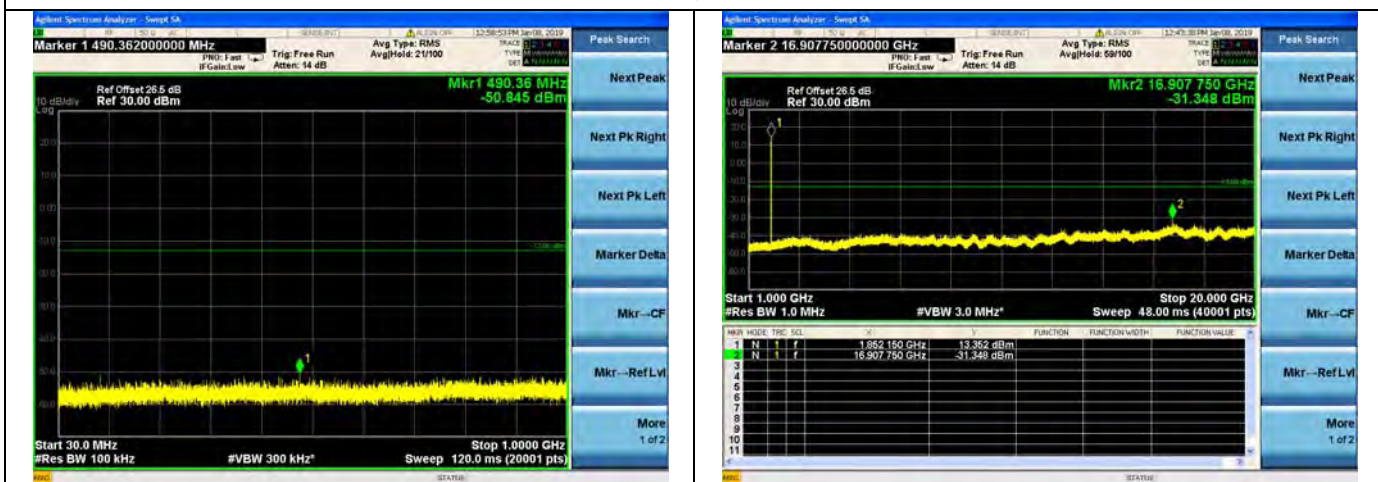
QPSK



16QAM



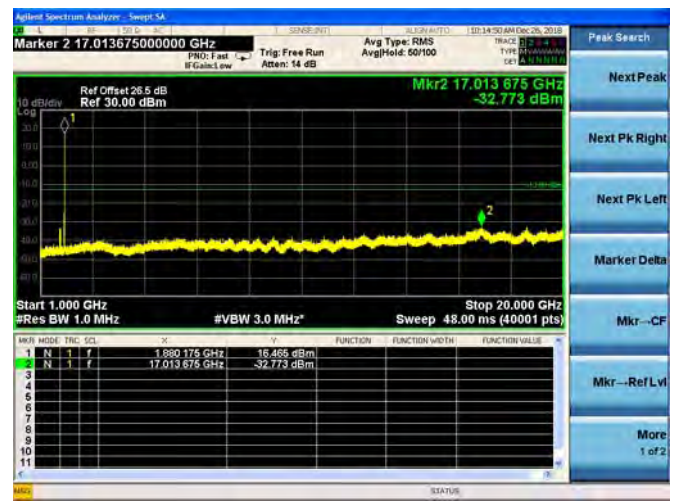
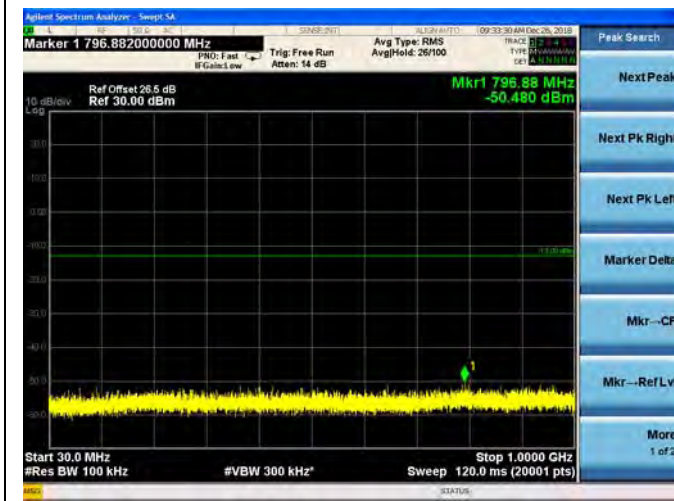
64QAM



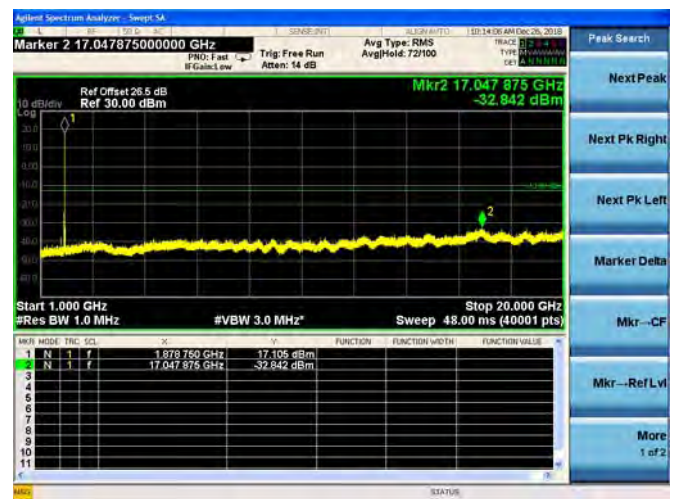
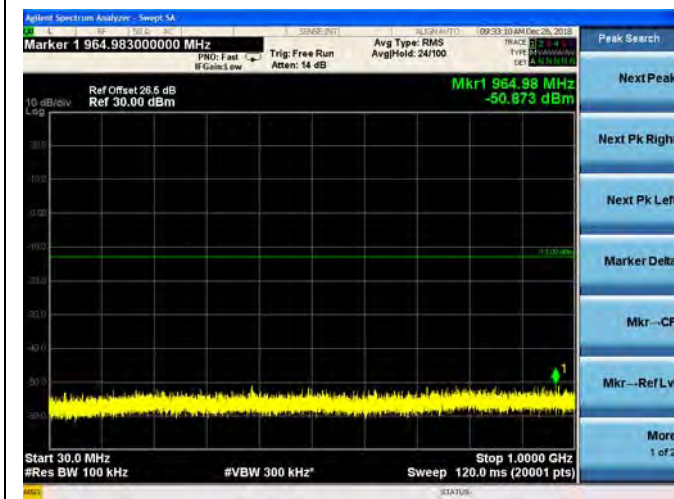


LTE Band 2 5MHz BW Mid Channel

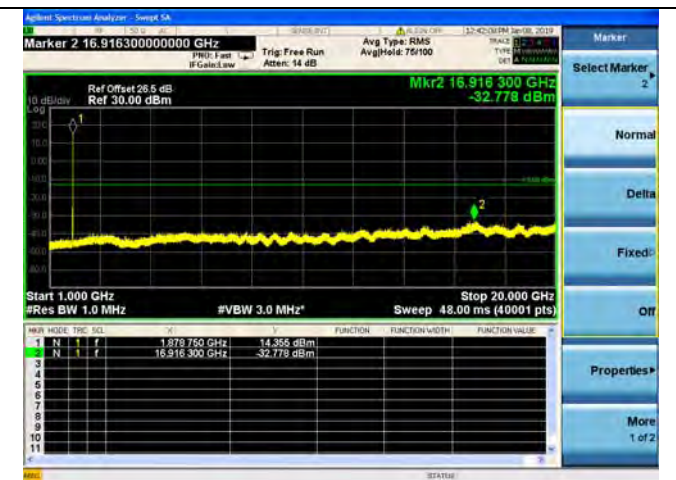
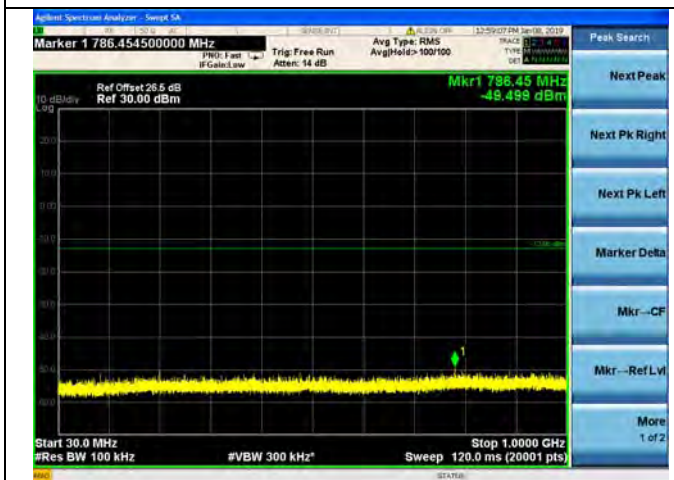
QPSK



16QAM



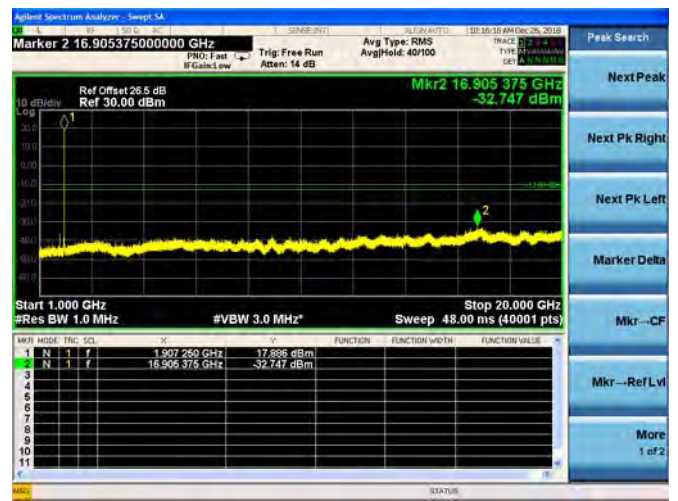
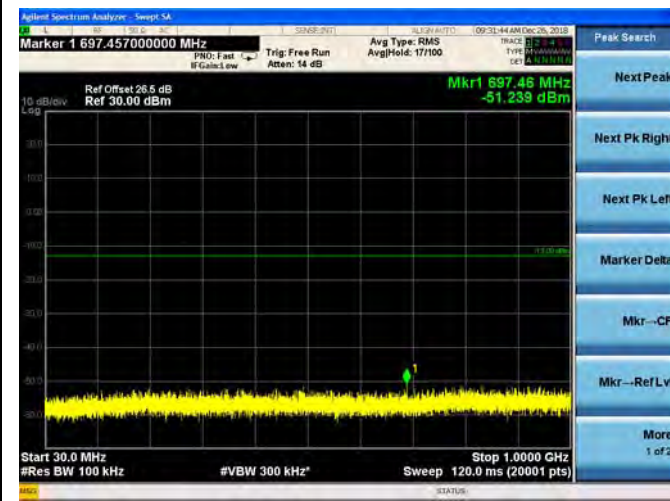
64QAM



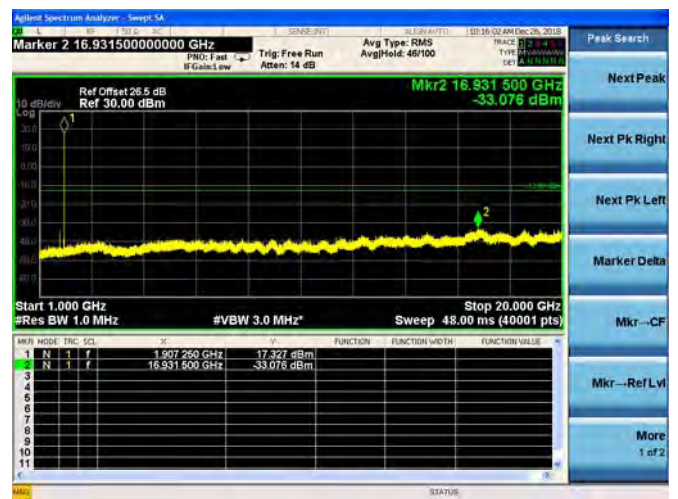
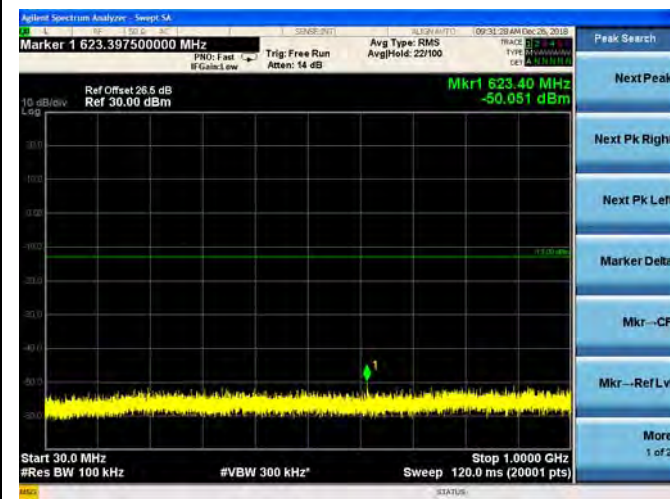


LTE Band 2 5MHz BW High Channel

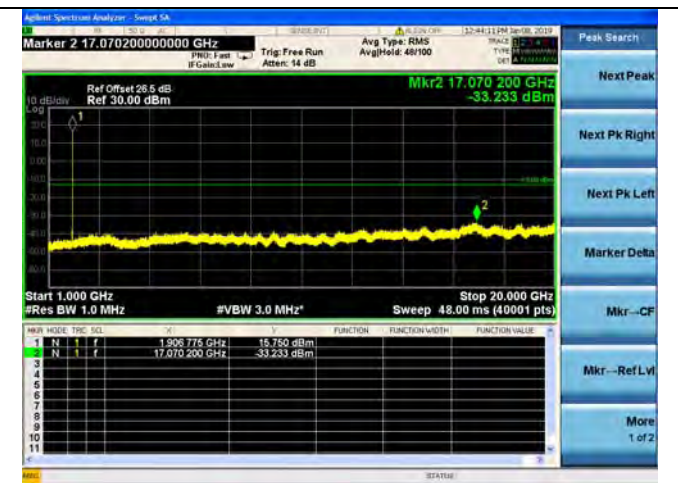
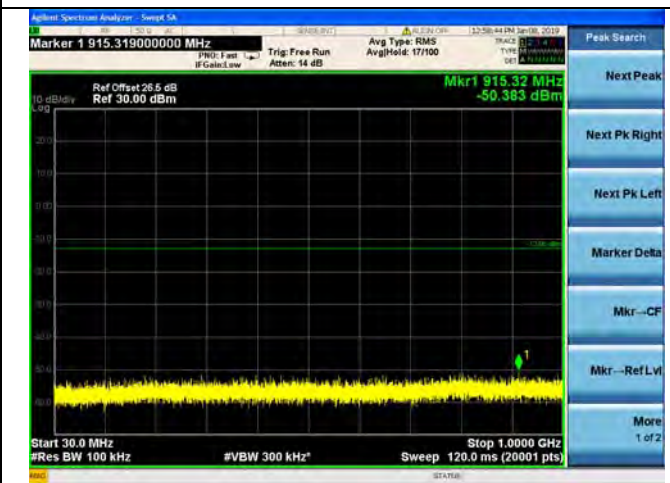
QPSK



16QAM



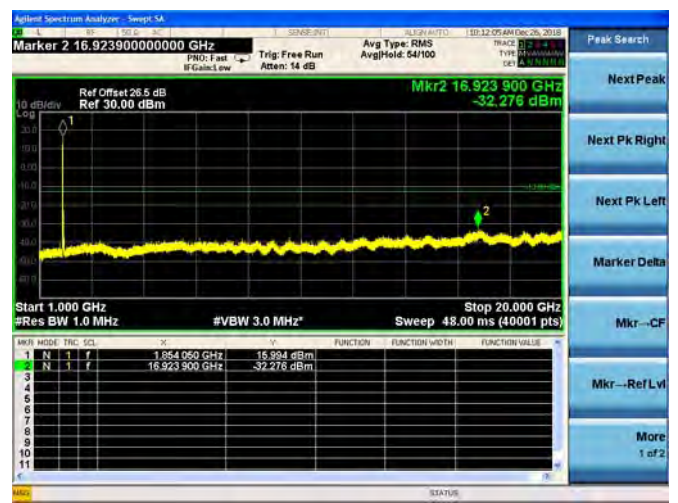
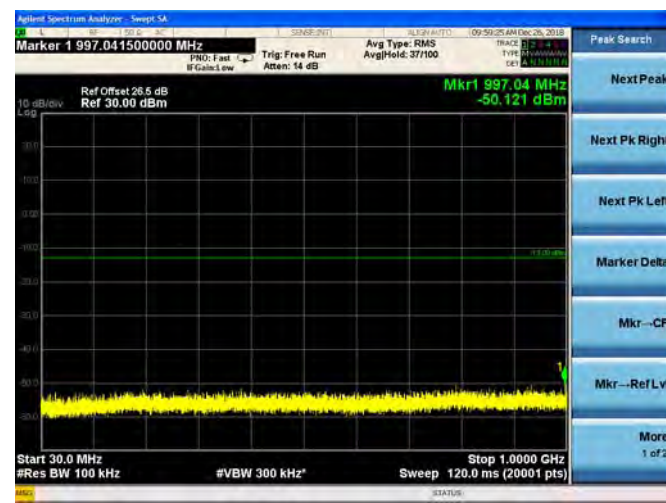
64QAM



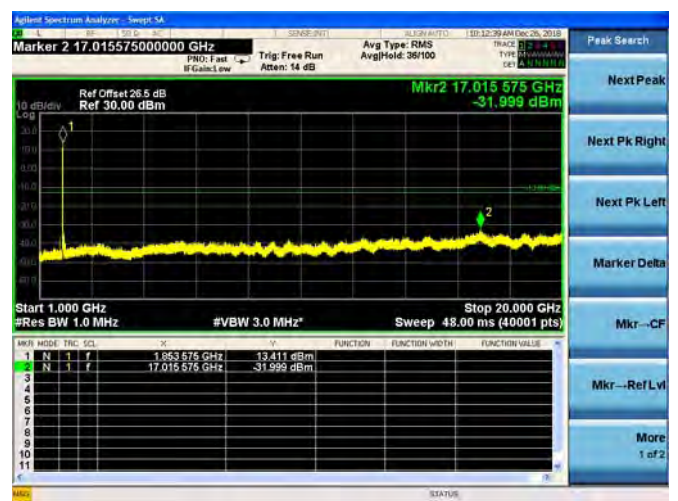
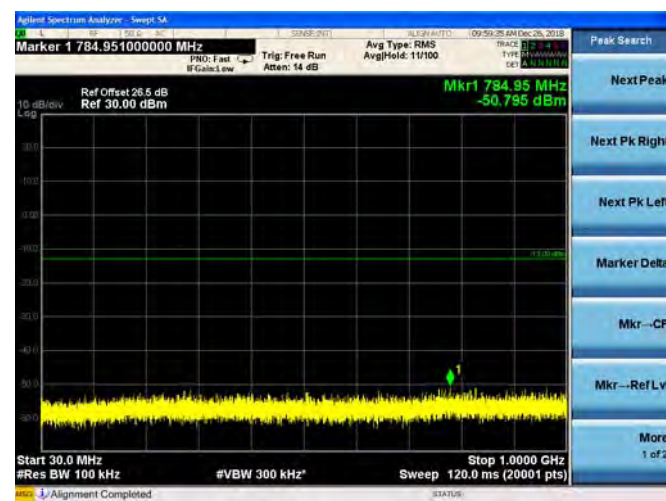


LTE Band 2 10MHz BW Low Channel

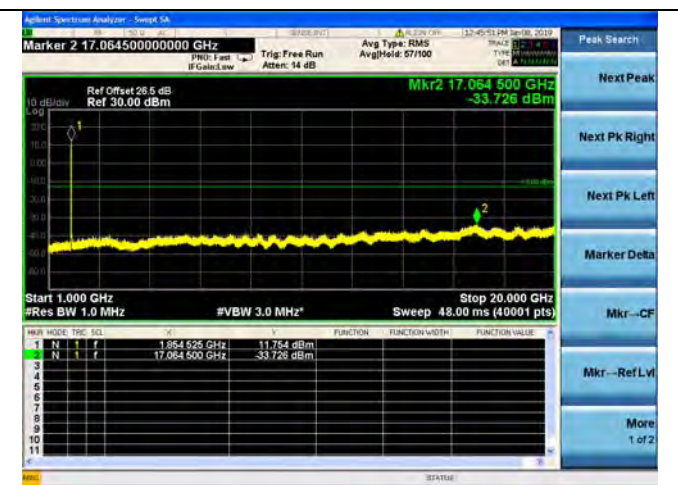
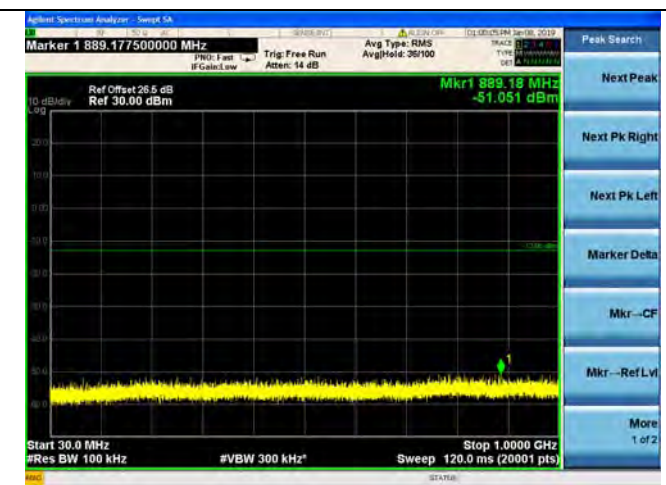
QPSK



16QAM



64QAM



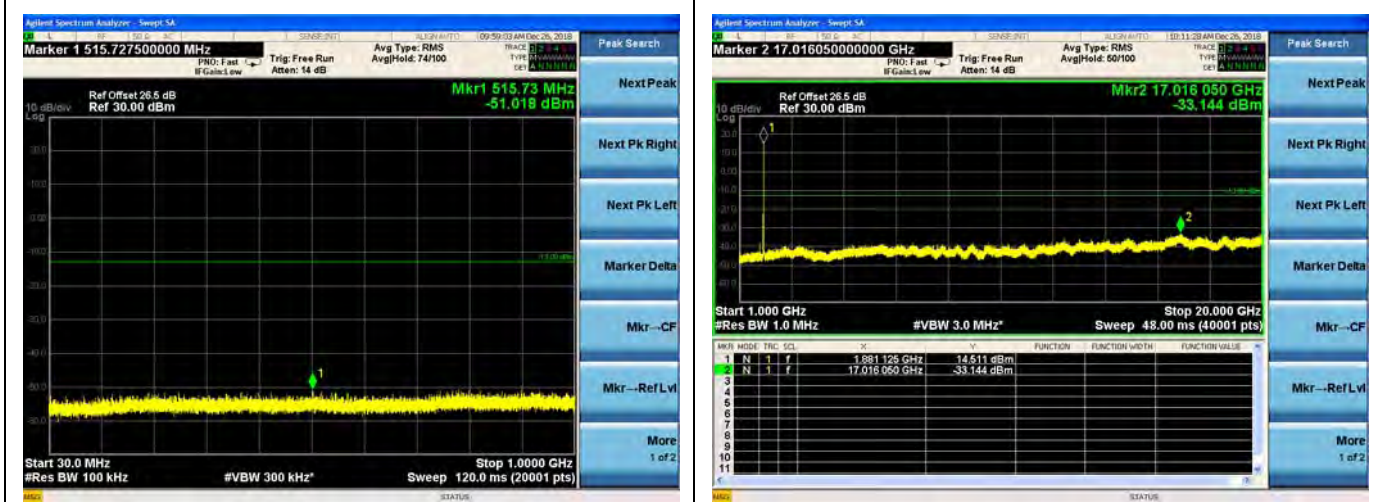


LTE Band 2 10MHz BW Mid Channel

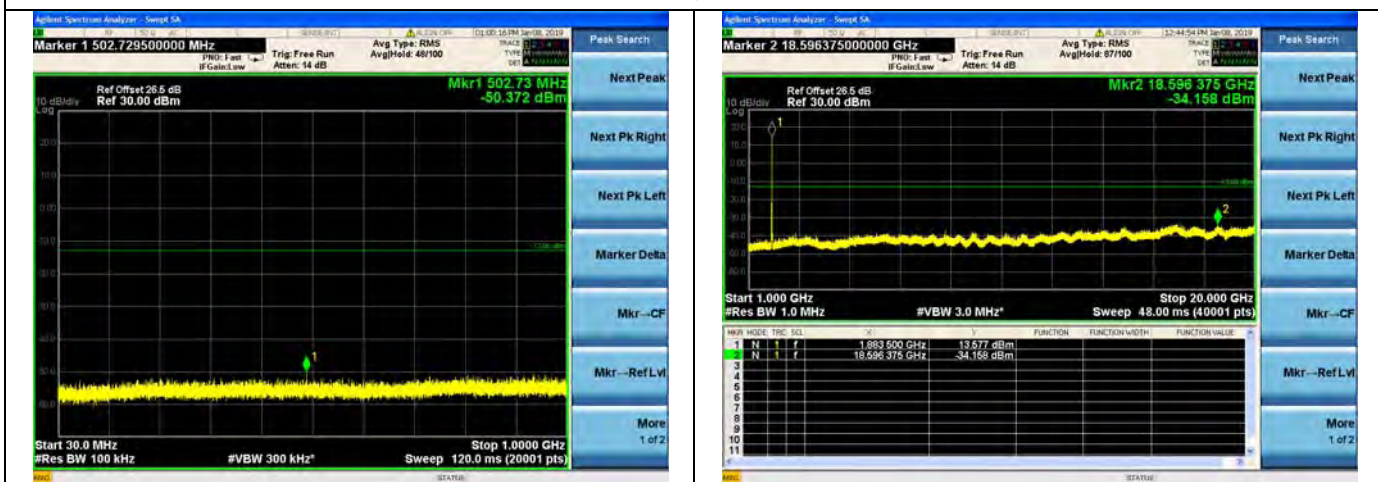
QPSK



16QAM



64QAM

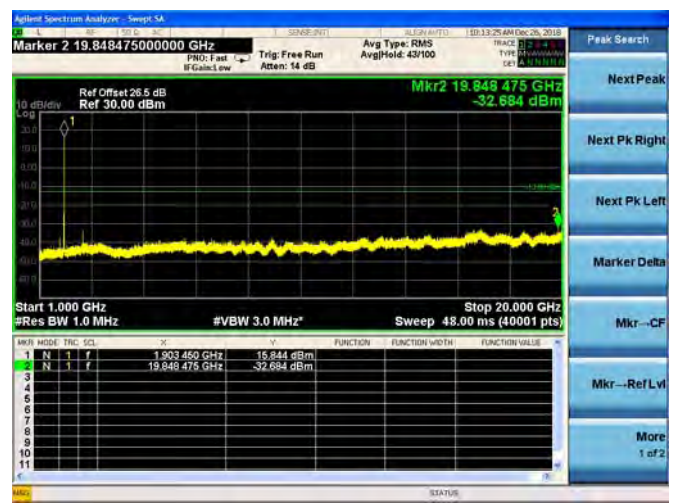
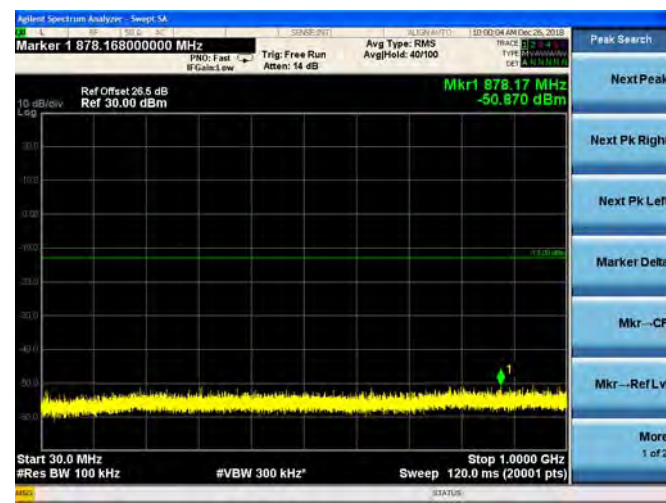




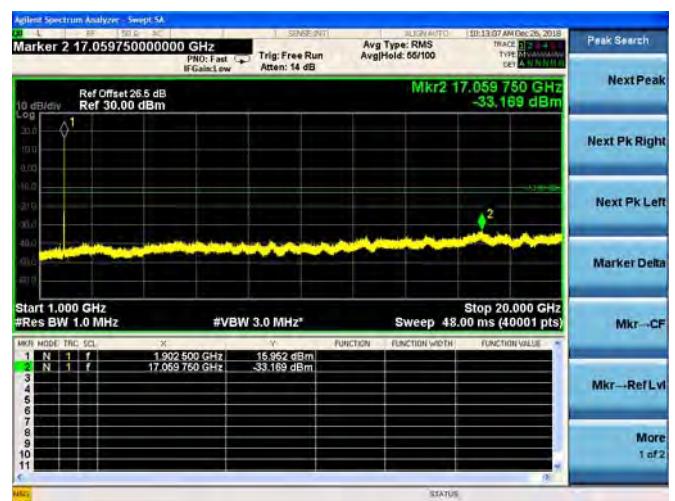
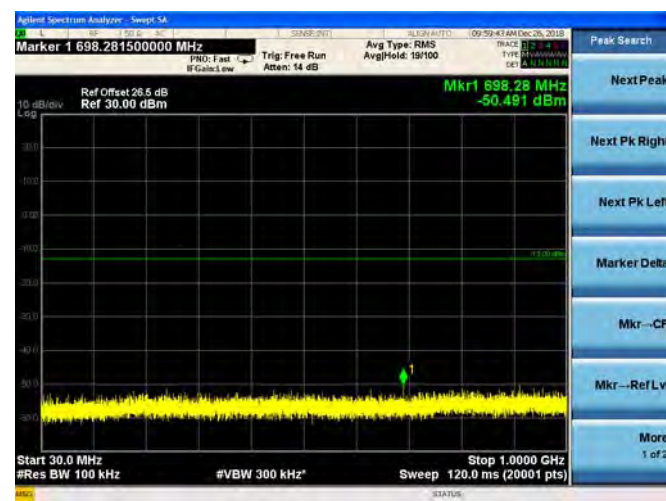
REPORT No.: SZ18110268W07

LTE Band 2 10MHz BW High Channel

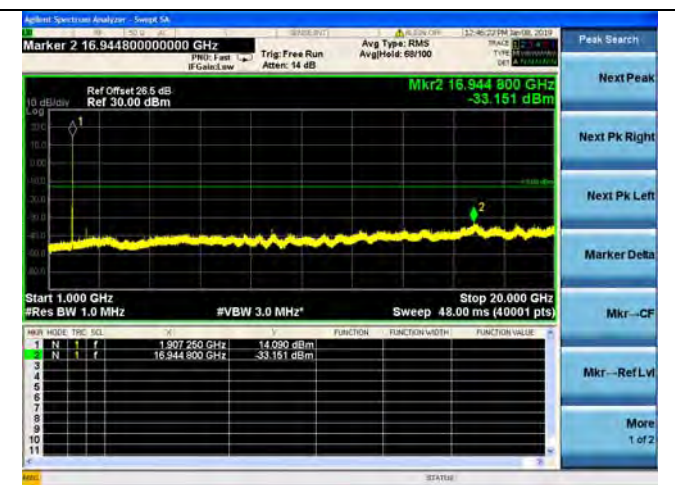
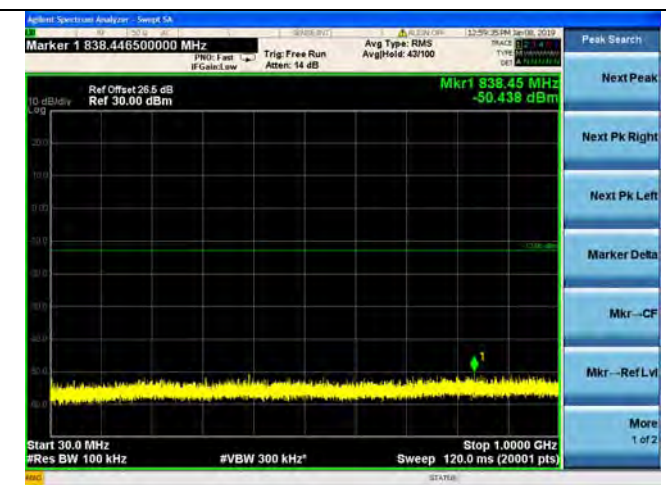
QPSK



16QAM



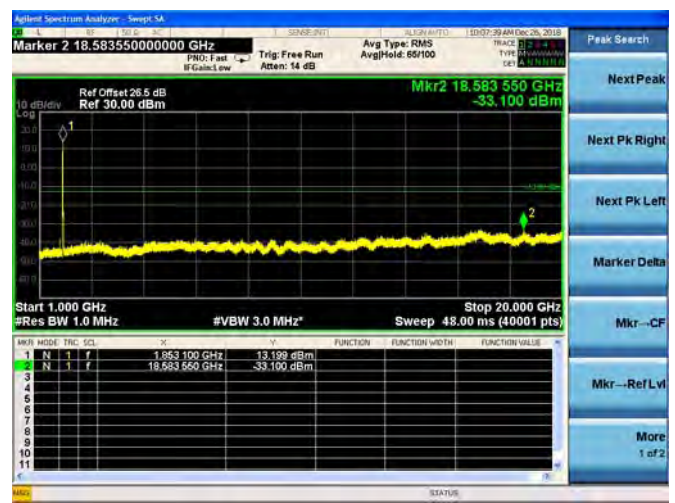
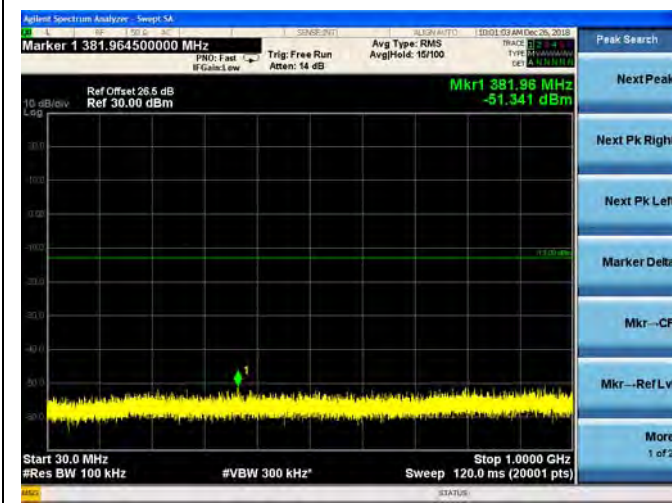
64QAM



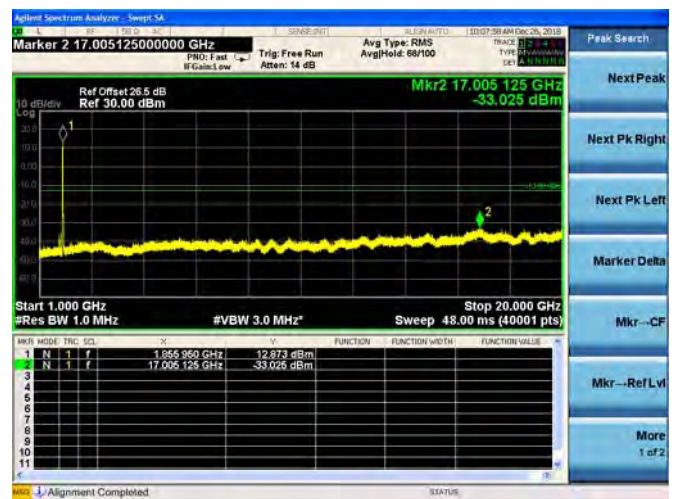
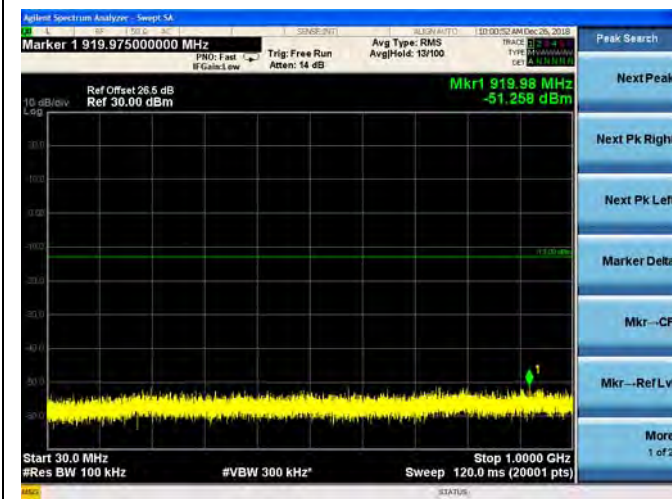


LTE Band 2 15MHz BW Low Channel

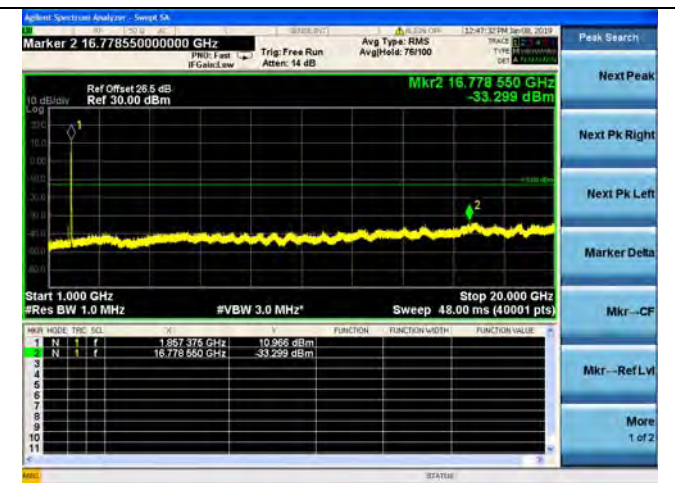
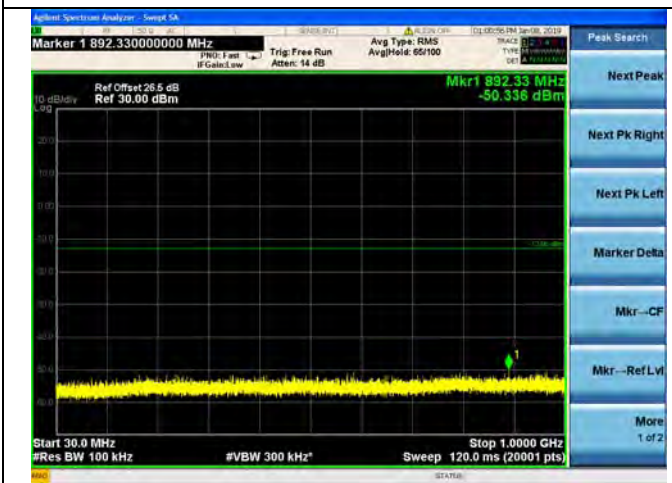
QPSK



16QAM



64QAM

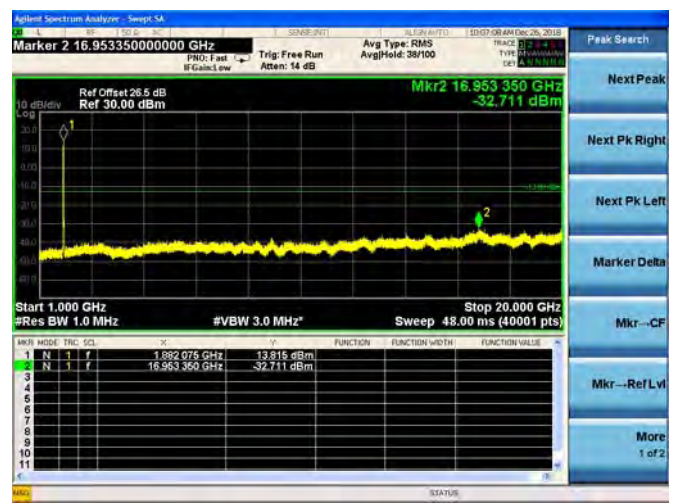
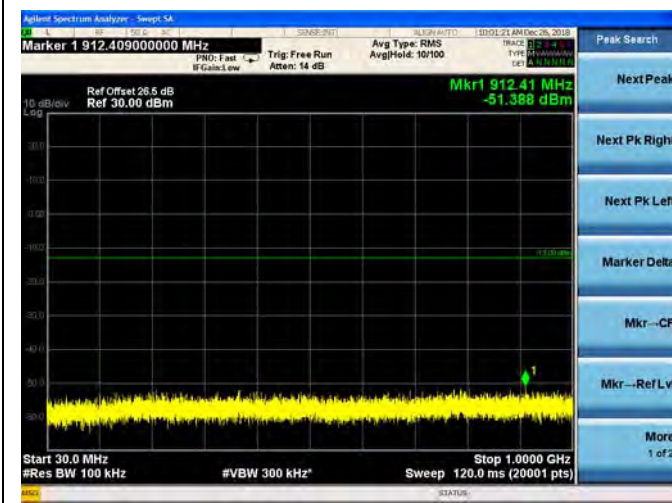




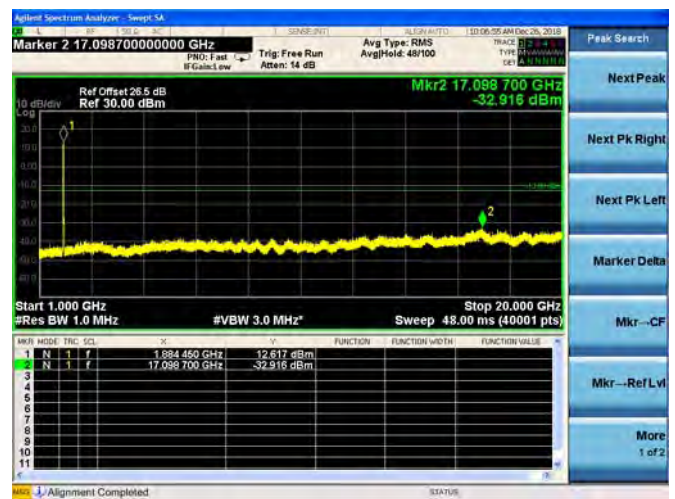
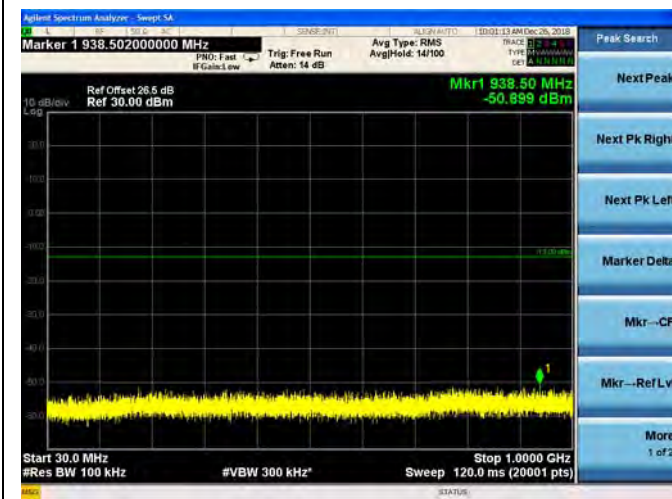
REPORT No.: SZ18110268W07

LTE Band 2 15MHz BW Mid Channel

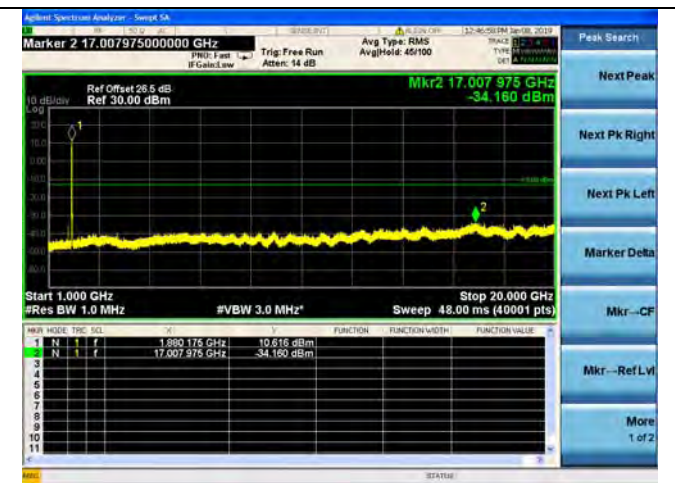
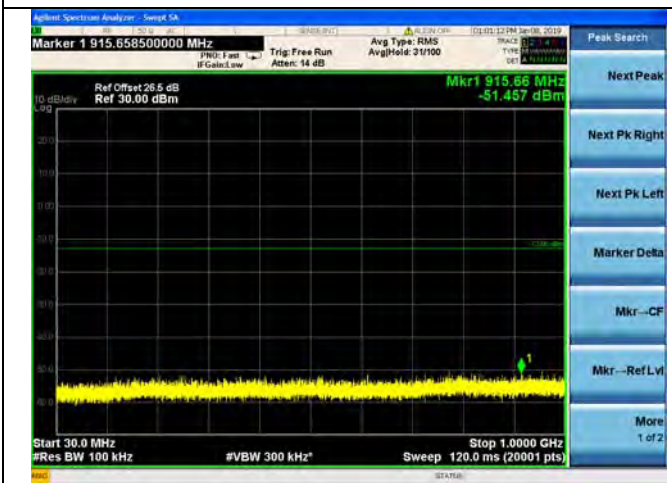
QPSK



16QAM



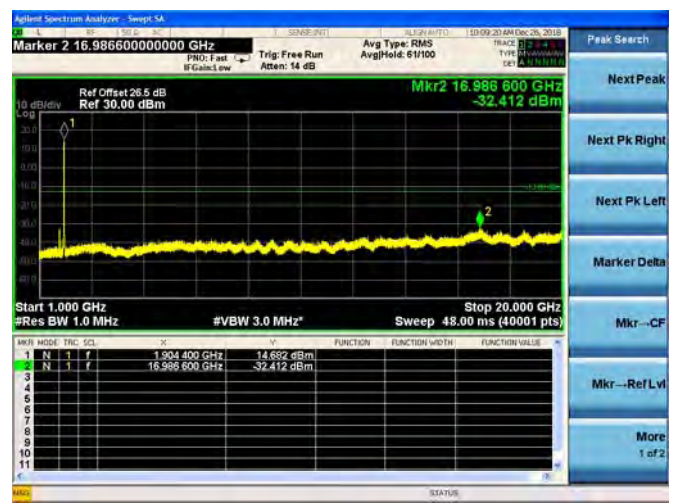
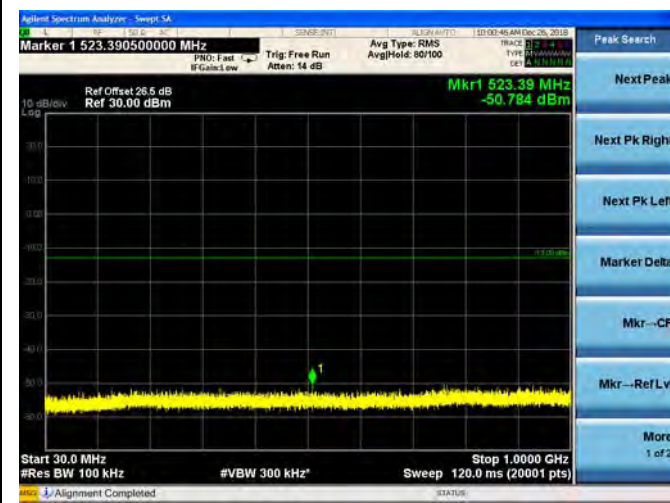
64QAM



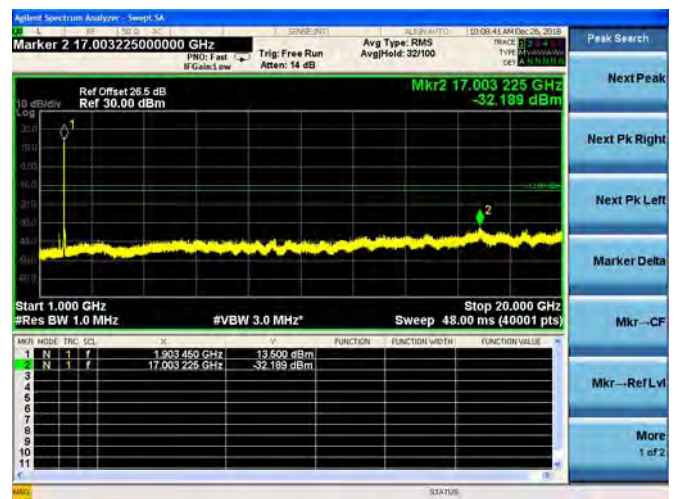
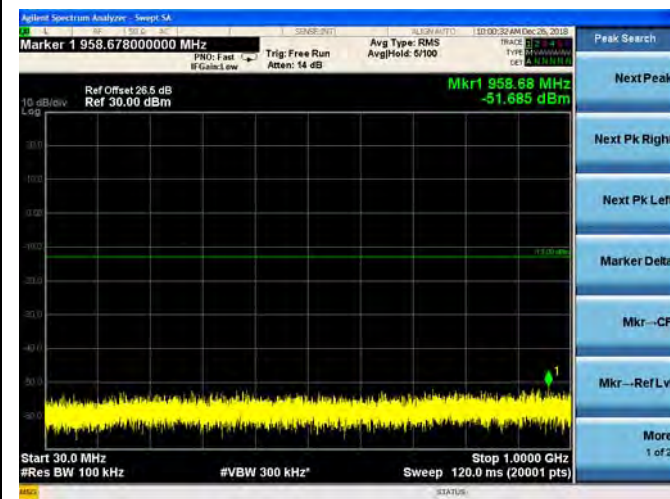


LTE Band 2 15MHz BW High Channel

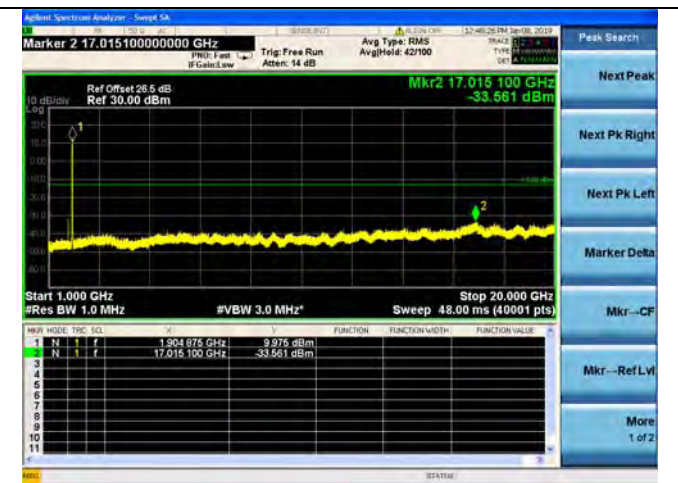
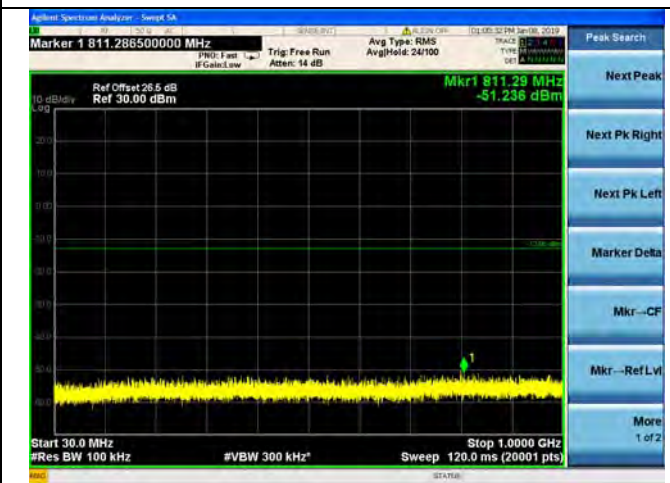
QPSK



16QAM



64QAM





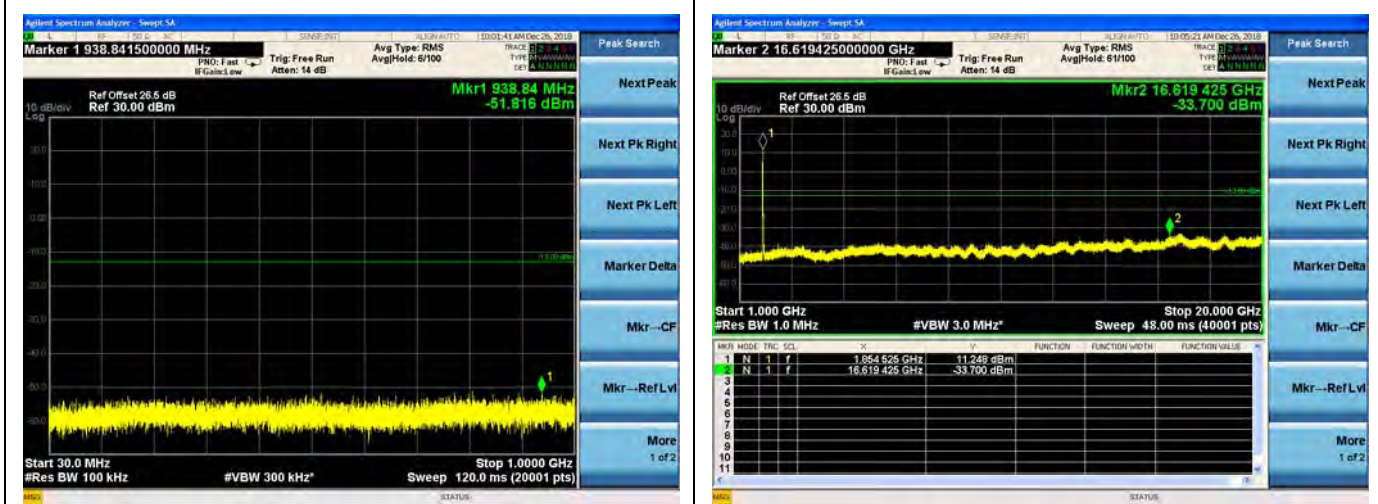
REPORT No.: SZ18110268W07

LTE Band 2 20MHz BW Low Channel

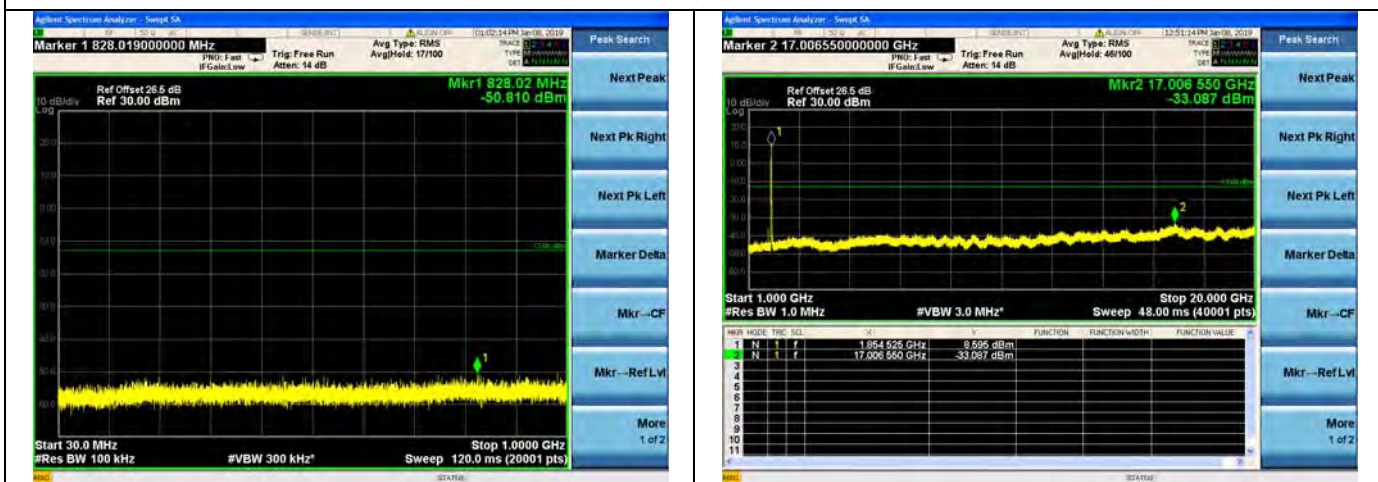
QPSK



16QAM

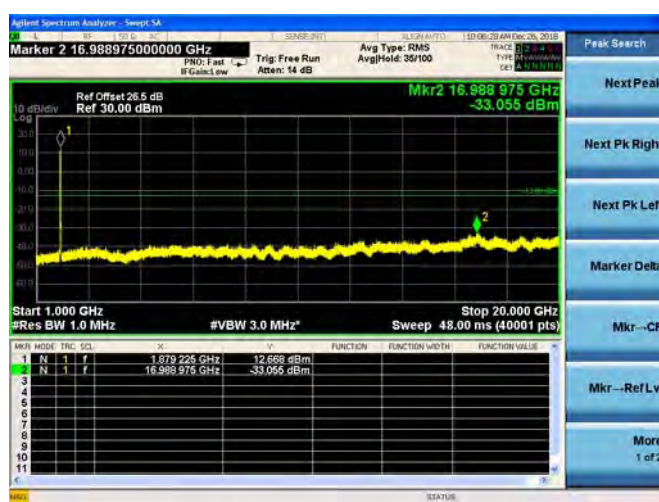


64QAM

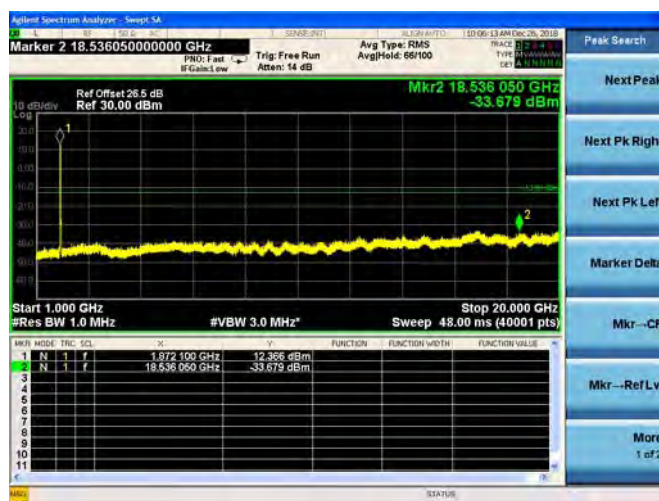




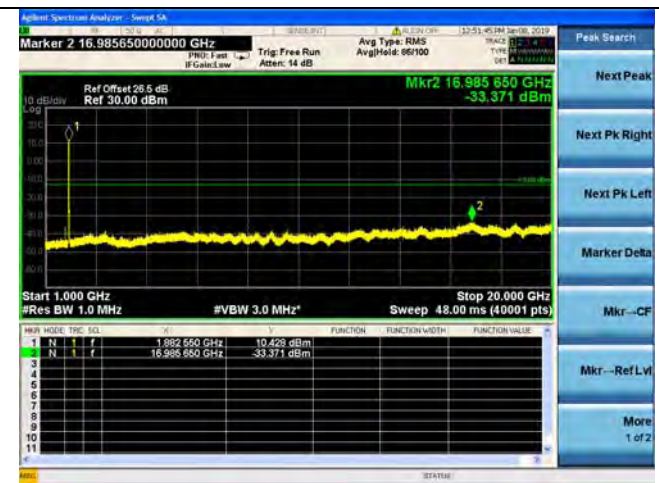
QPSK



16QAM



64QAM

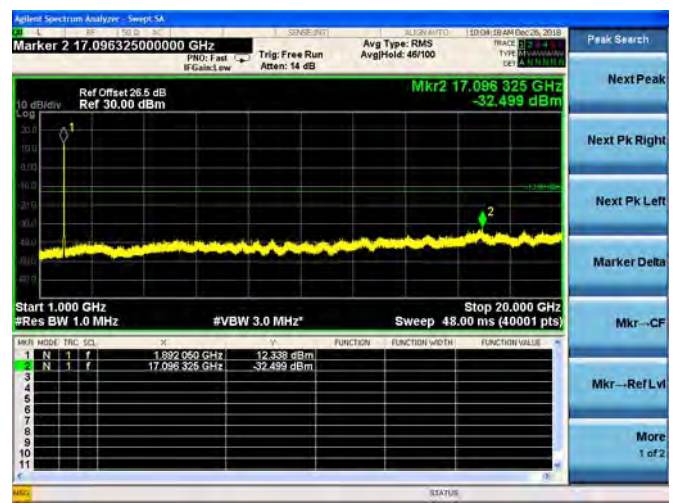
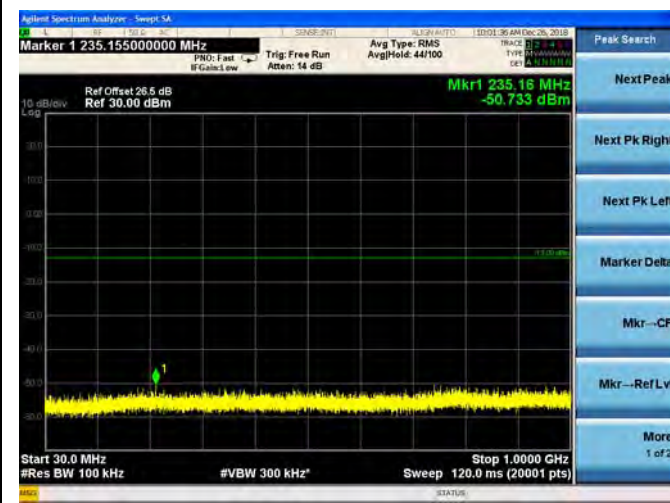




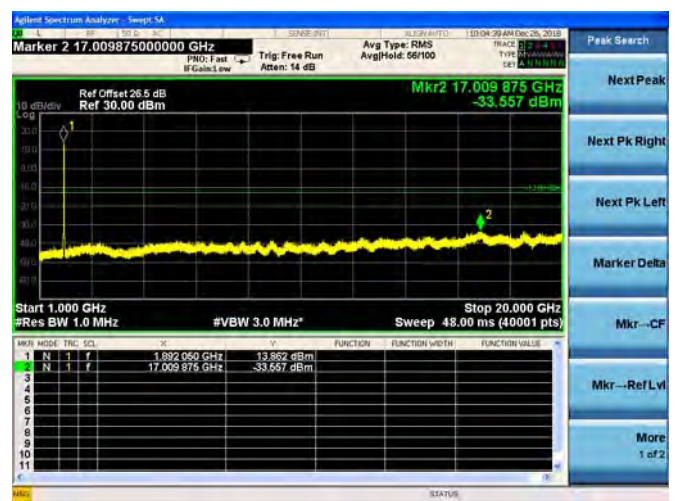
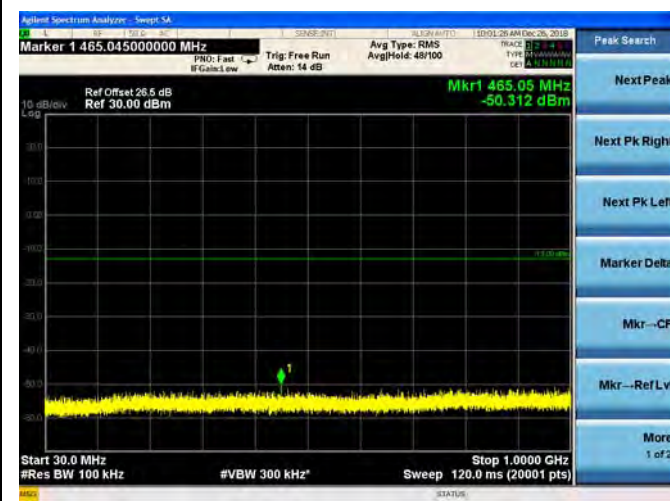
REPORT No.: SZ18110268W07

LTE Band 2 20MHz BW High Channel

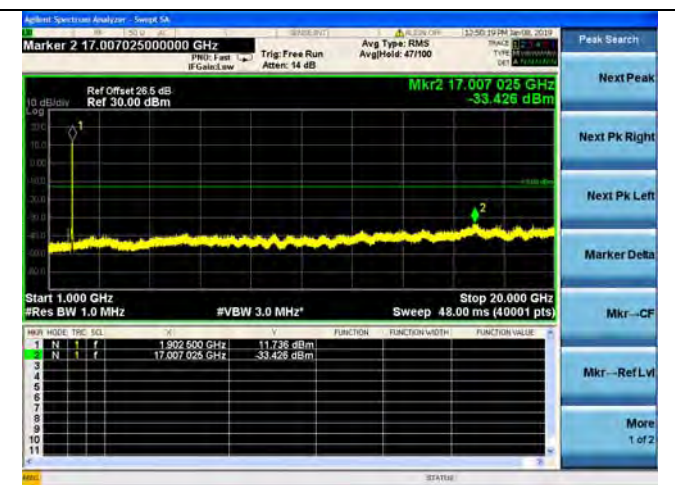
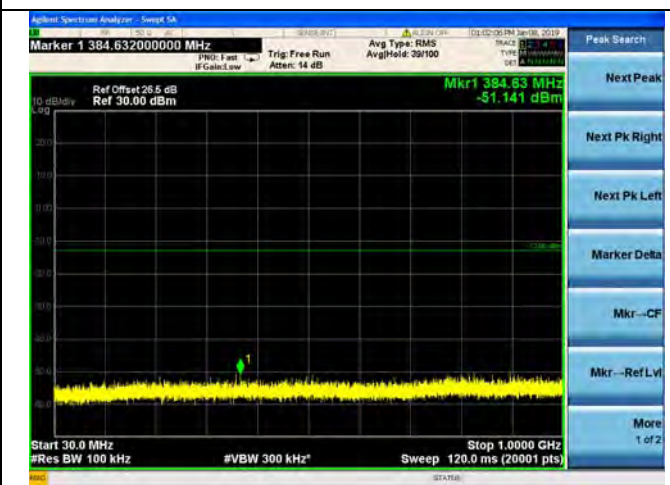
QPSK



16QAM



64QAM





LTE Band 4 1.4MHz BW Low Channel

QPSK



16QAM



64QAM

