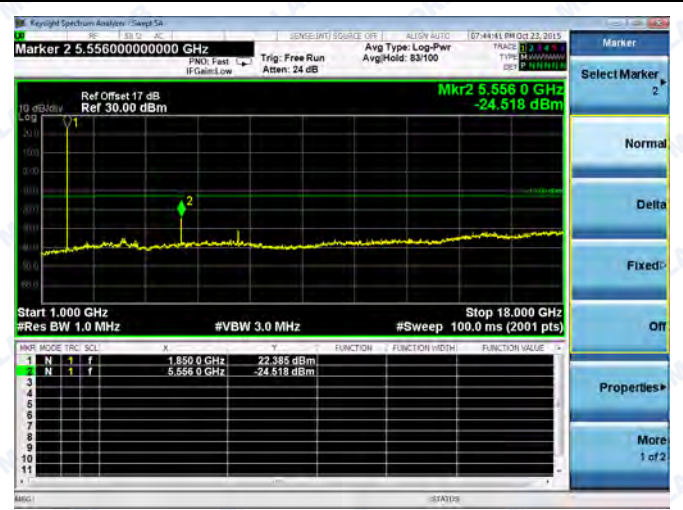
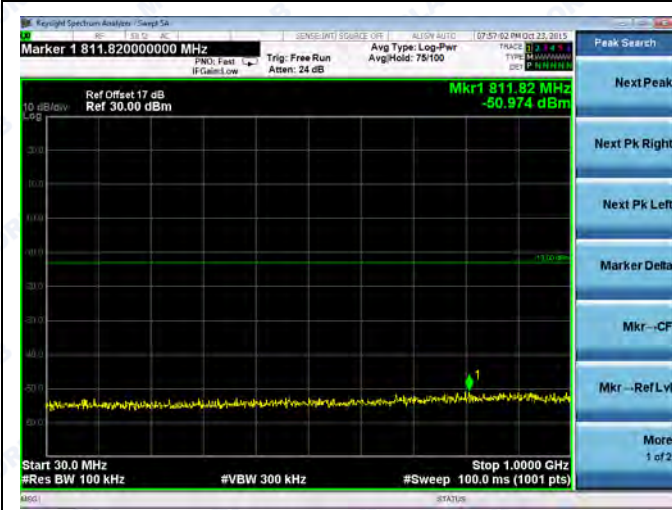


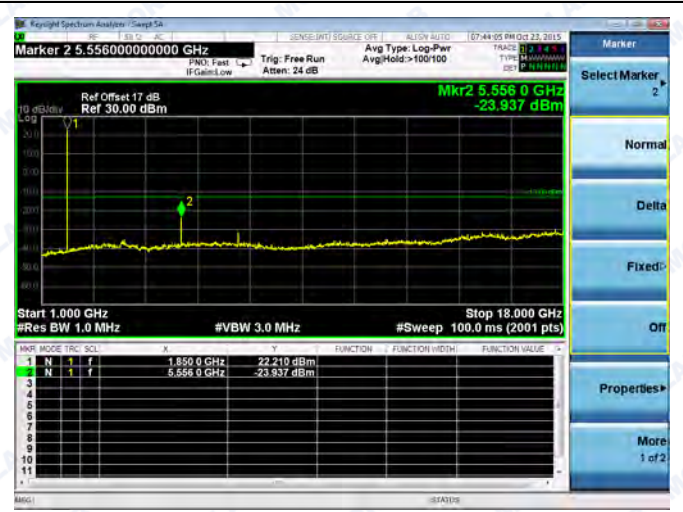
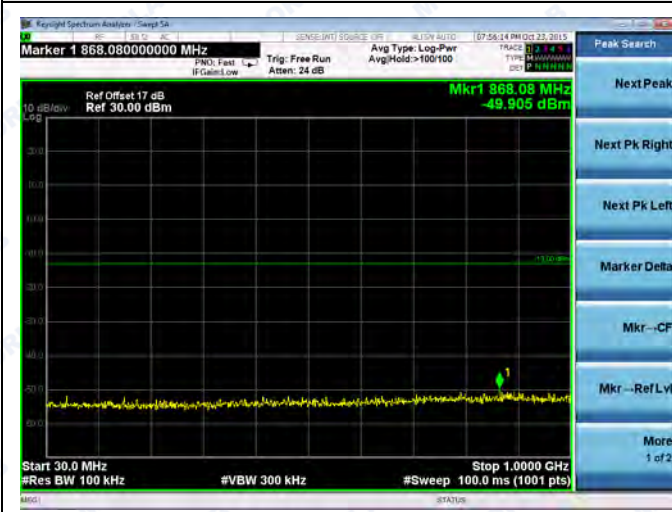


LTE Band 2 3MHz BW Low Channel

QPSK



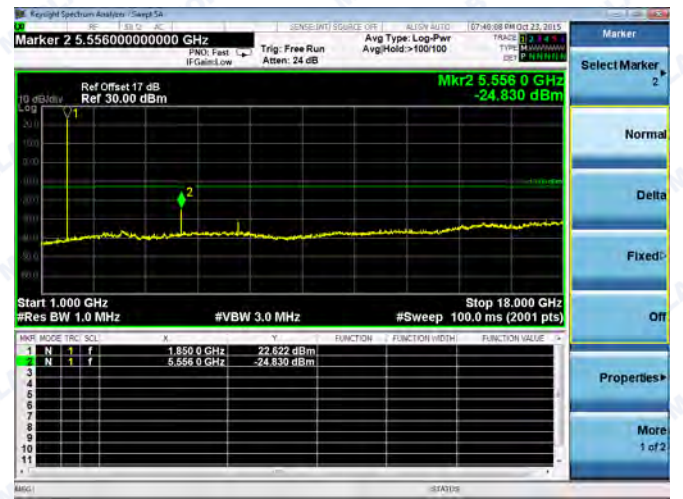
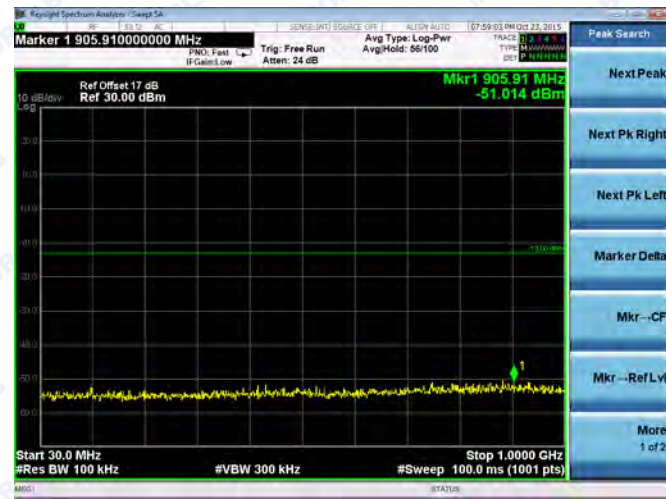
16QAM



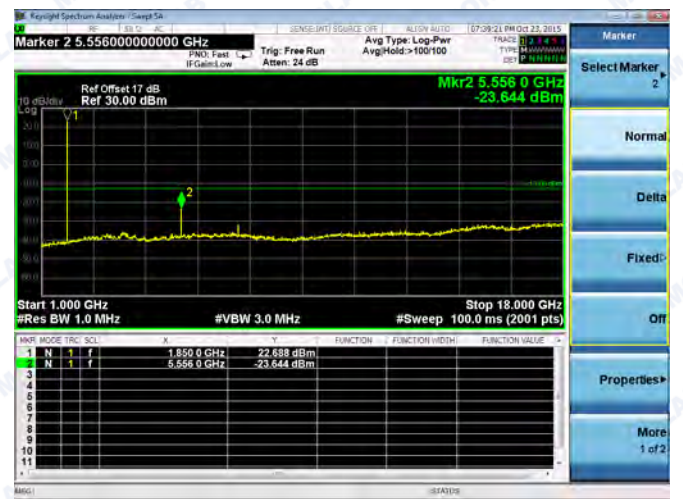
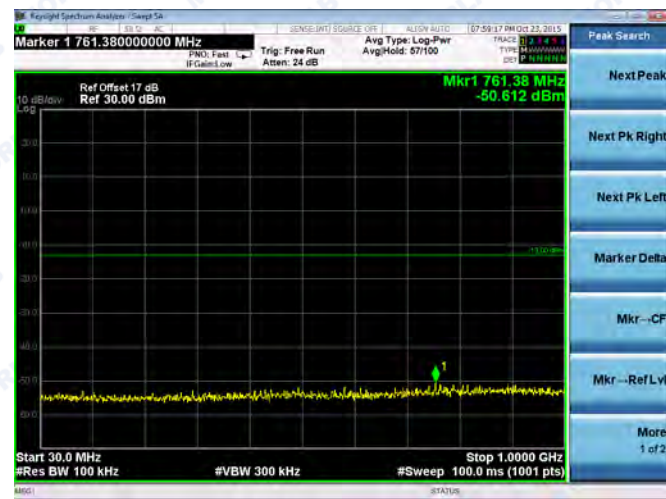


LTE Band 2 5MHz BW Low Channel

QPSK



16QAM

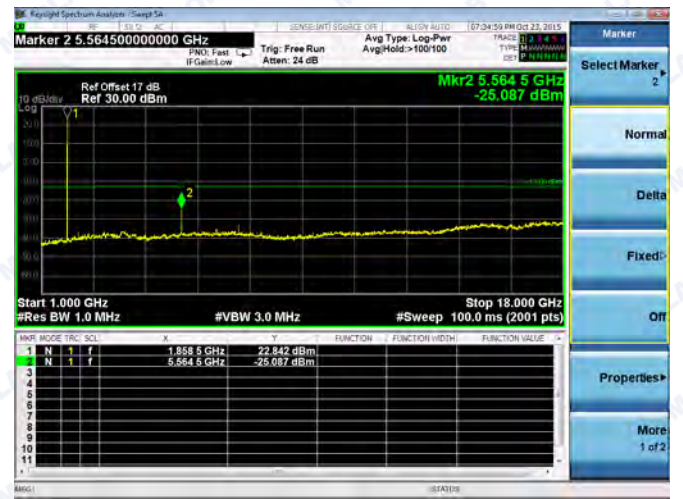
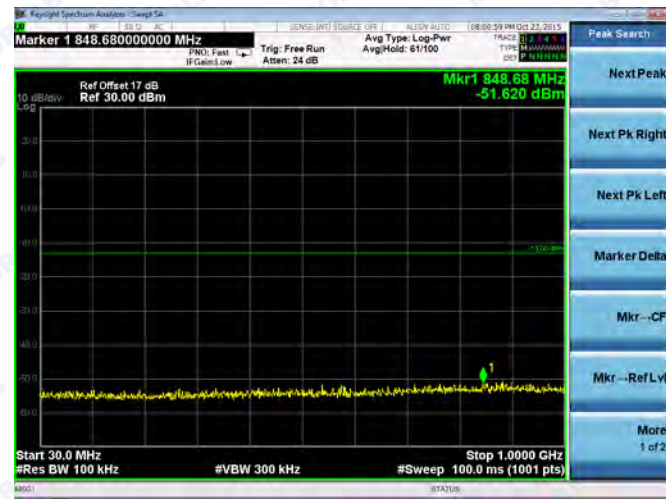




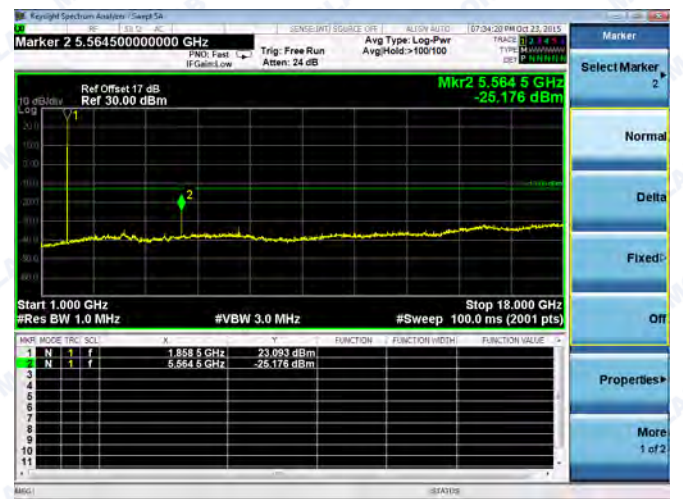
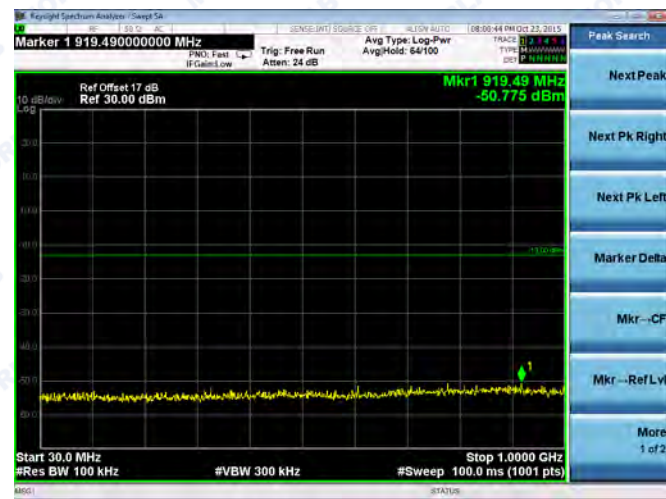


LTE Band 2 10MHz BW Low Channel

QPSK



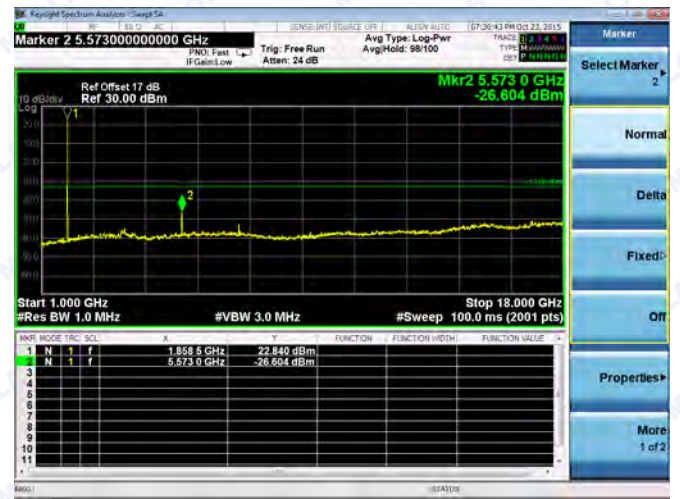
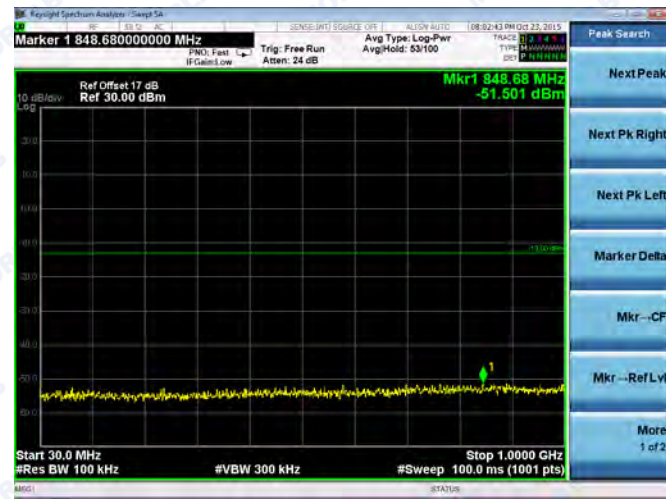
16QAM



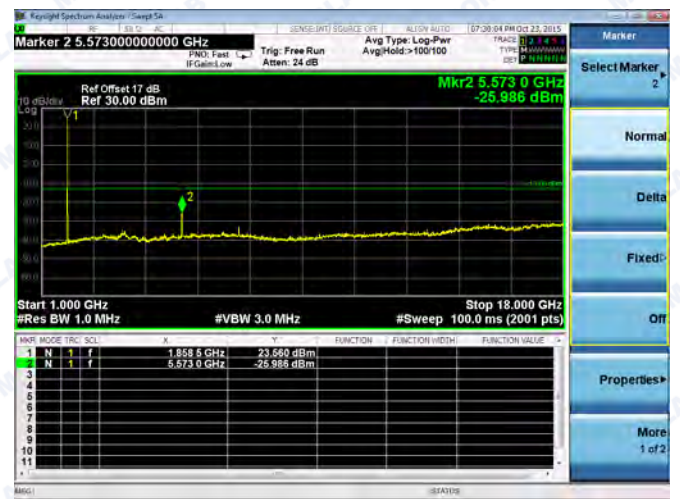
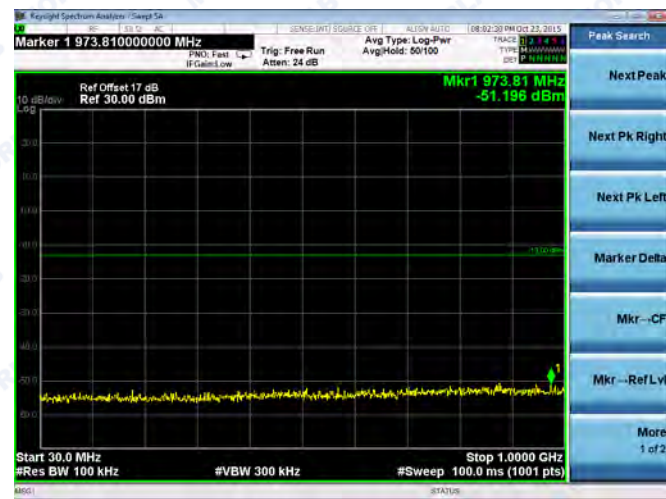


LTE Band 2 15MHz BW Low Channel

QPSK



16QAM

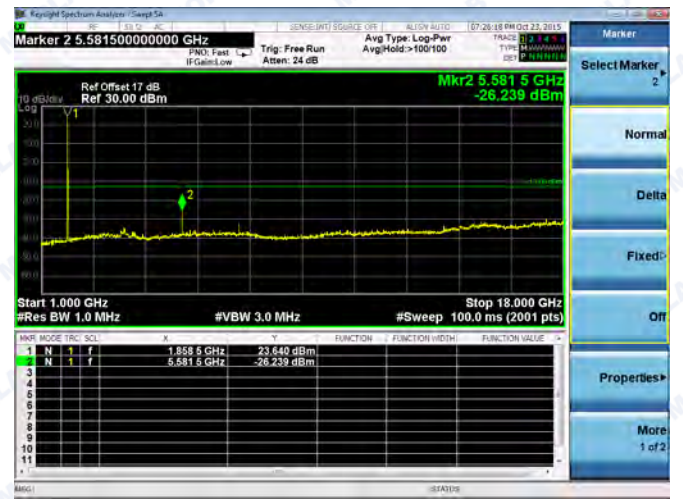
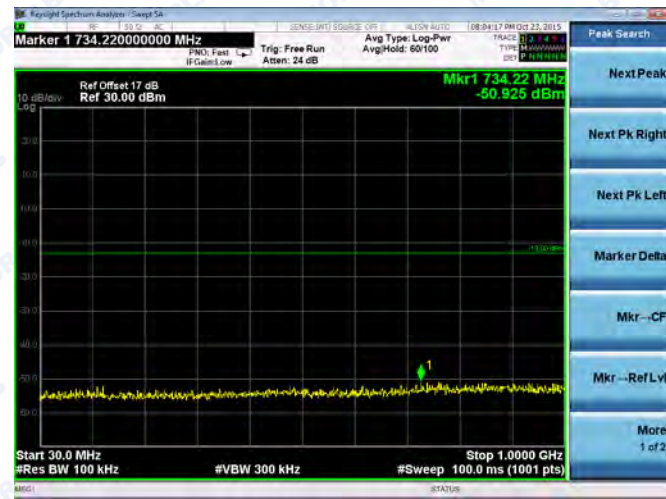




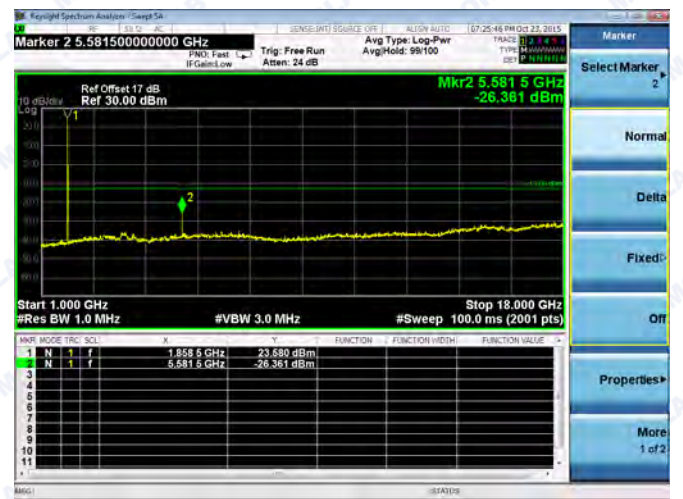
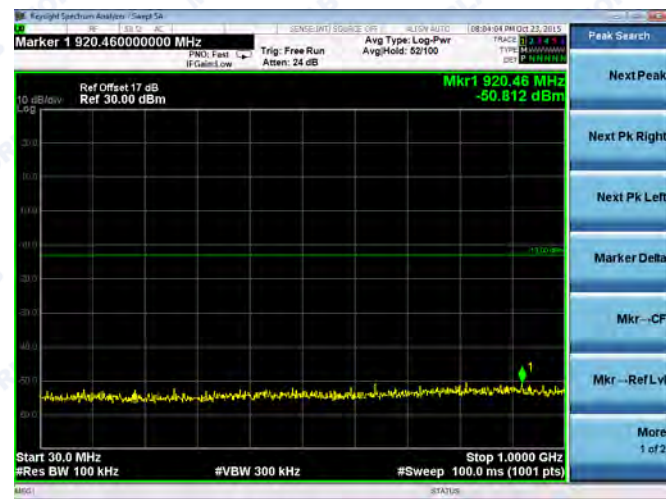


LTE Band 2 20MHz BW Low Channel

QPSK



16QAM

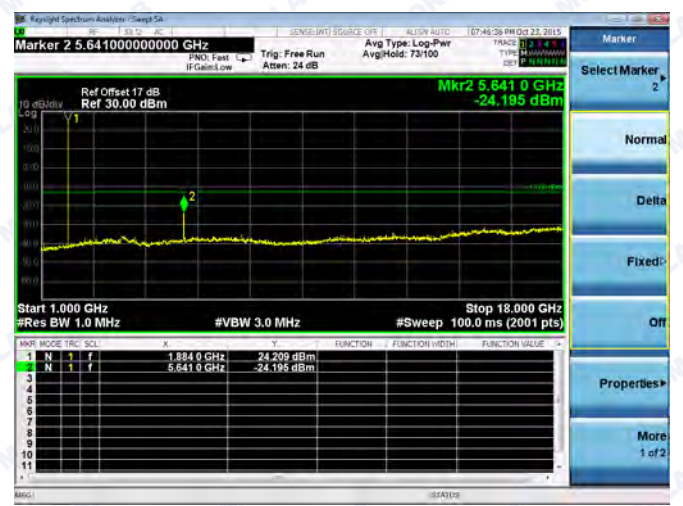
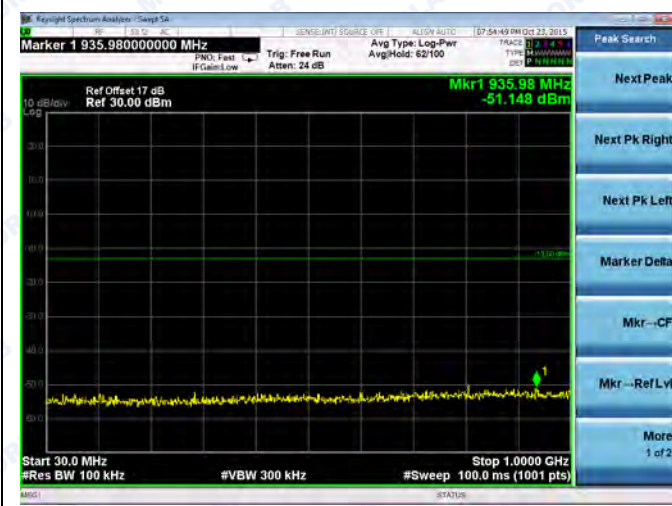




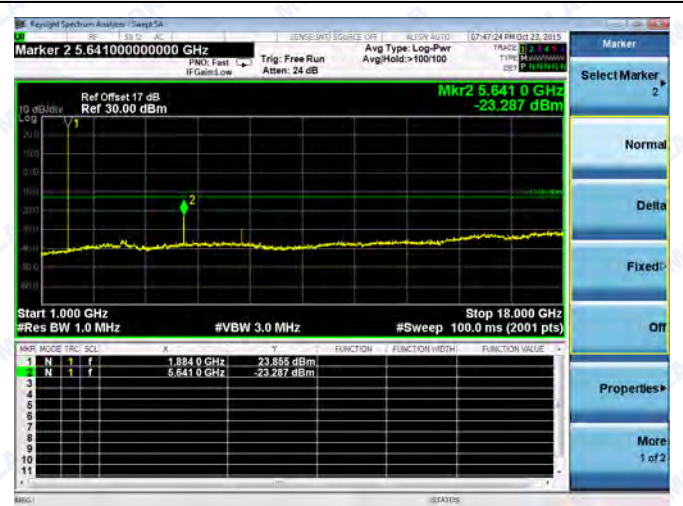
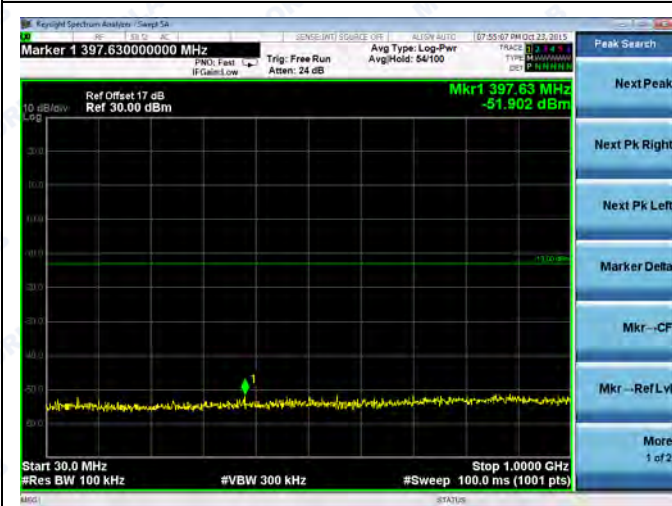
Middle channel:

LTE Band 2 1.4MHz BW Mid Channel

QPSK



16QAM

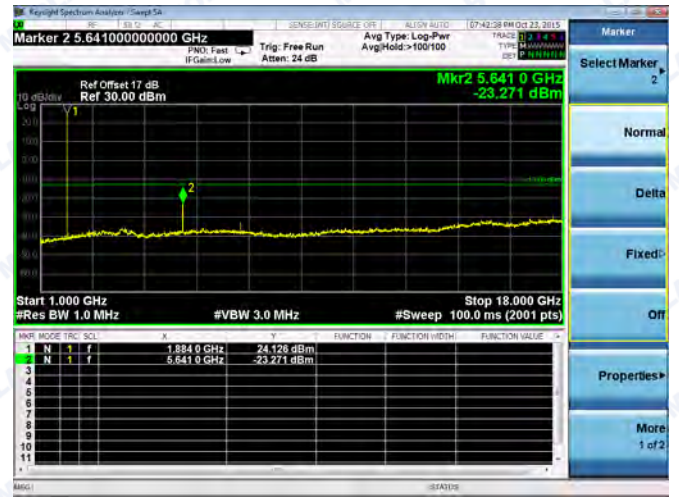
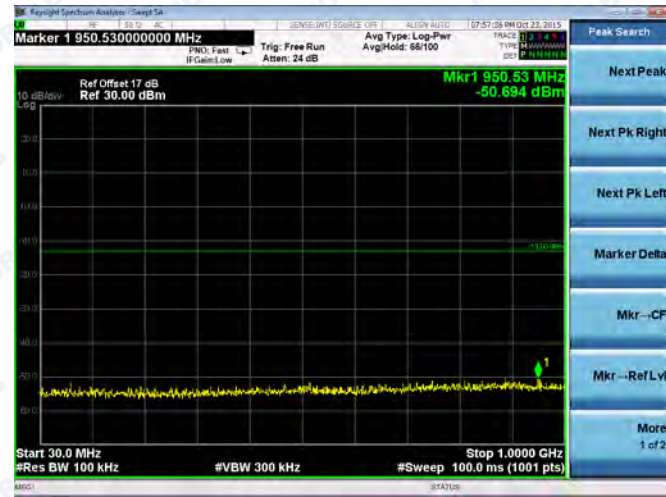




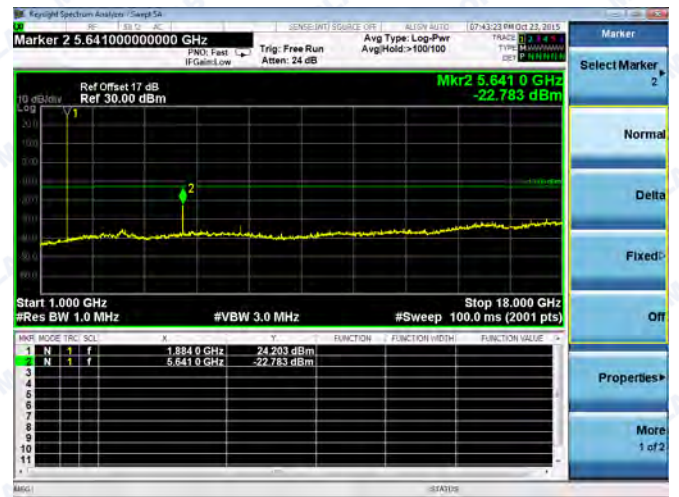
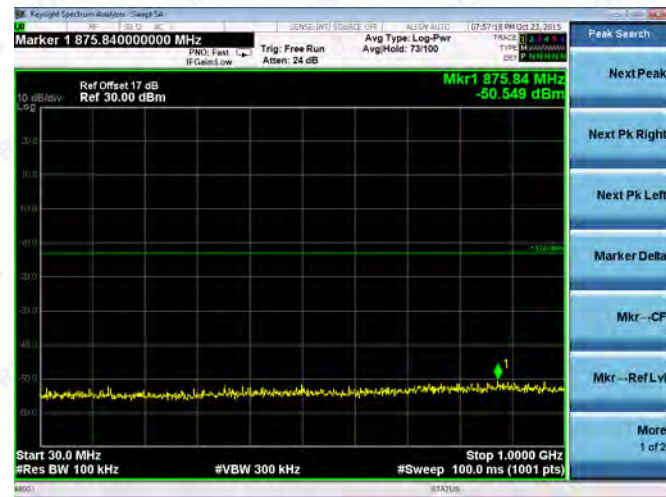


LTE Band 2 3MHz BW Mid Channel

QPSK



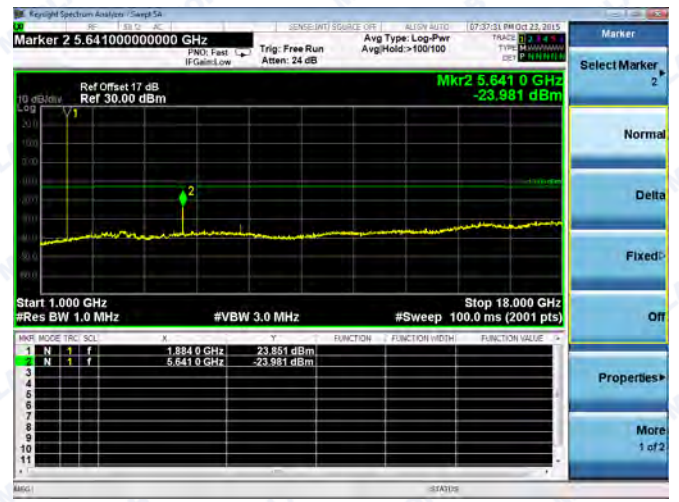
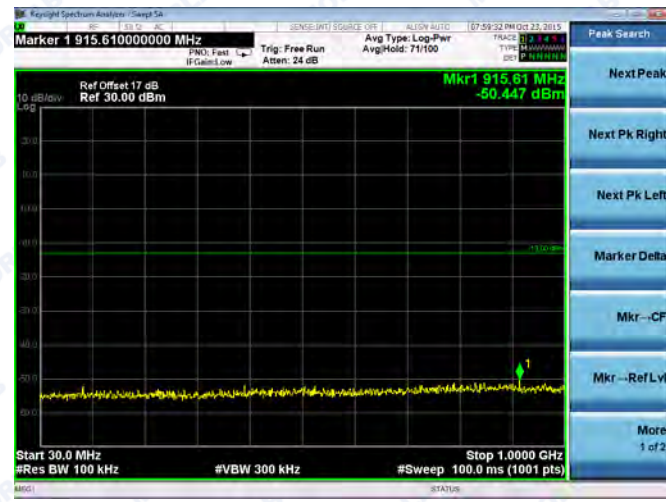
16QAM



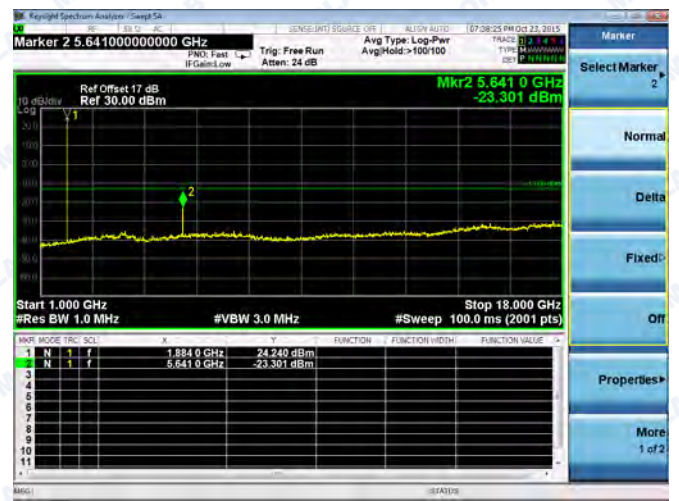
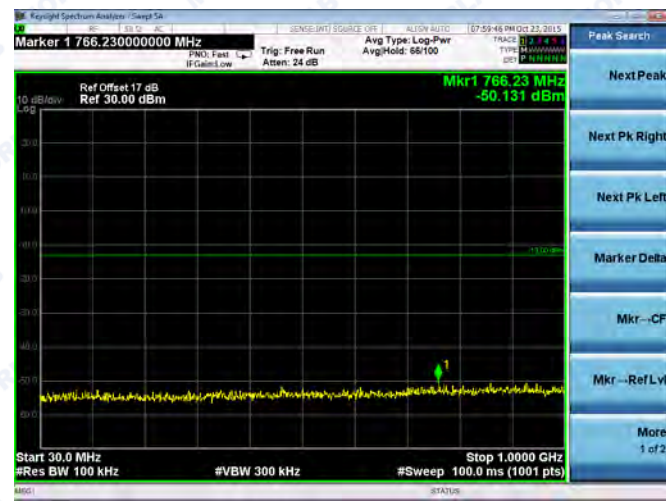


LTE Band 2 5MHz BW Mid Channel

QPSK



16QAM

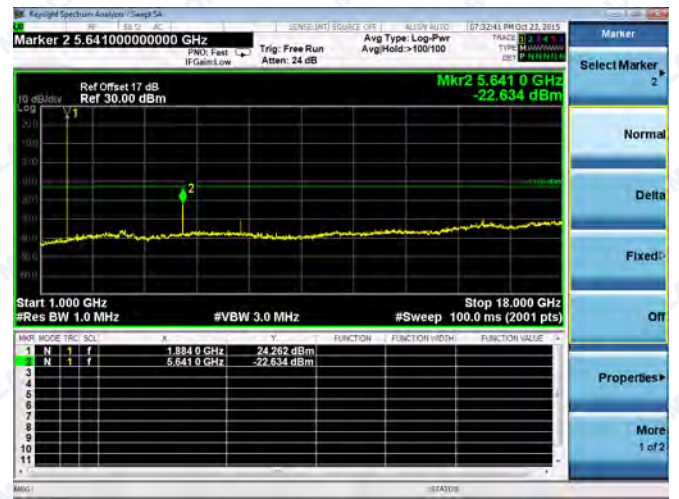
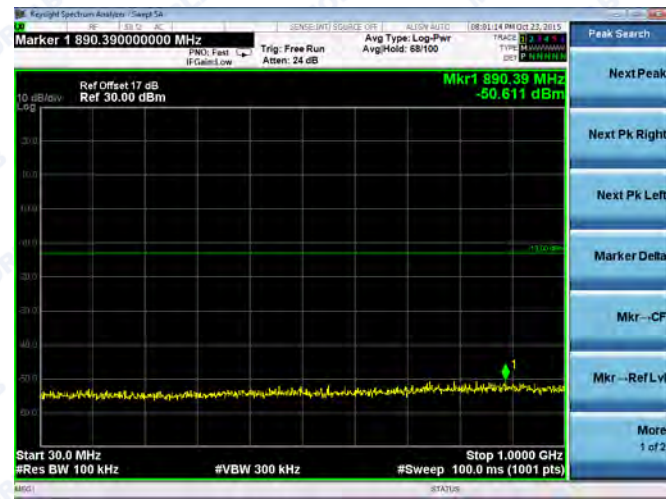




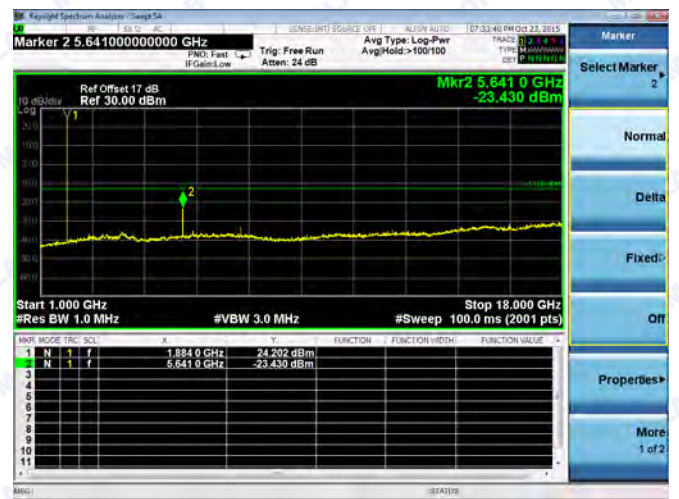
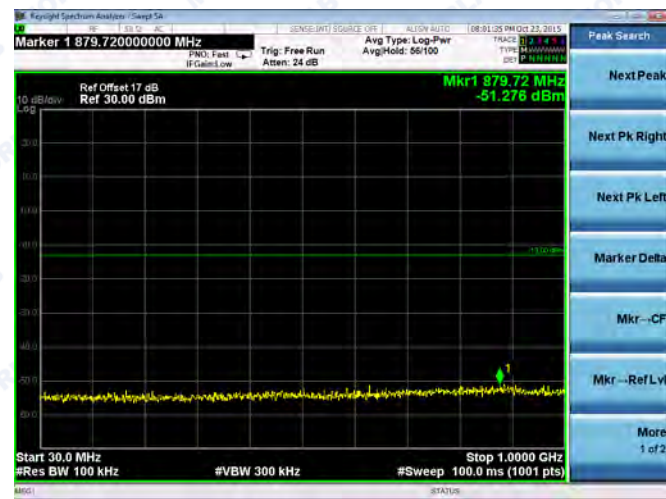


LTE Band 2 10MHz BW Mid Channel

QPSK



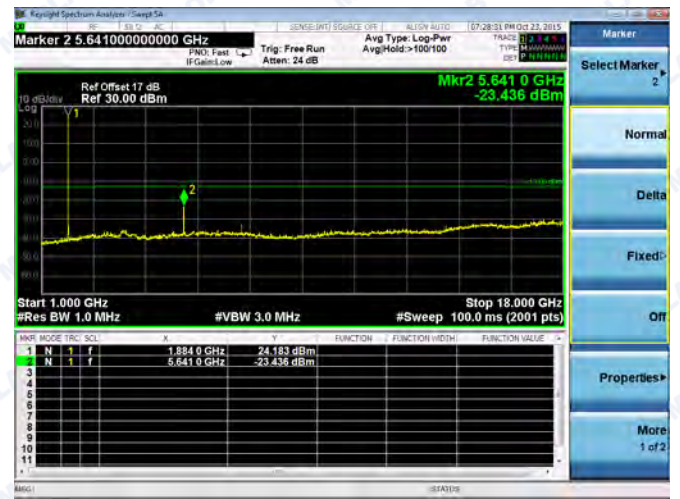
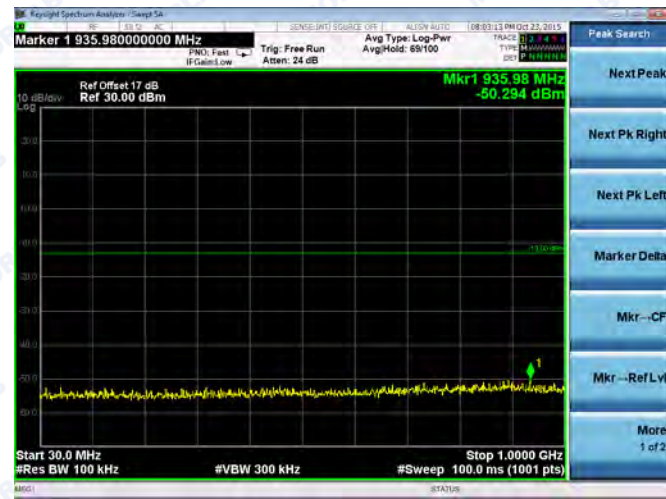
16QAM



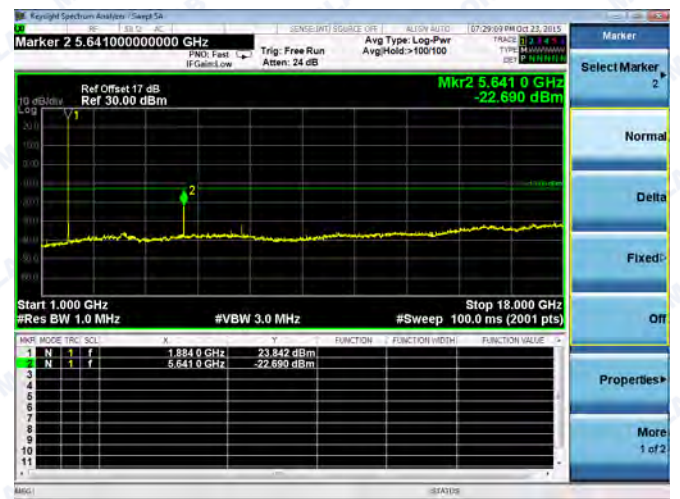
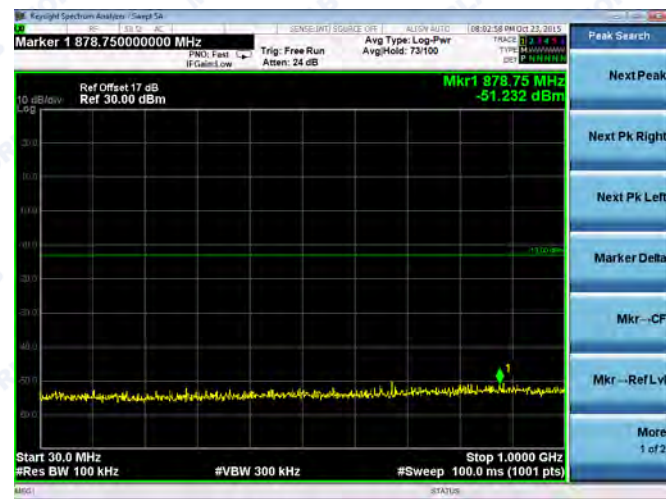


LTE Band 2 15MHz BW Mid Channel

QPSK



16QAM

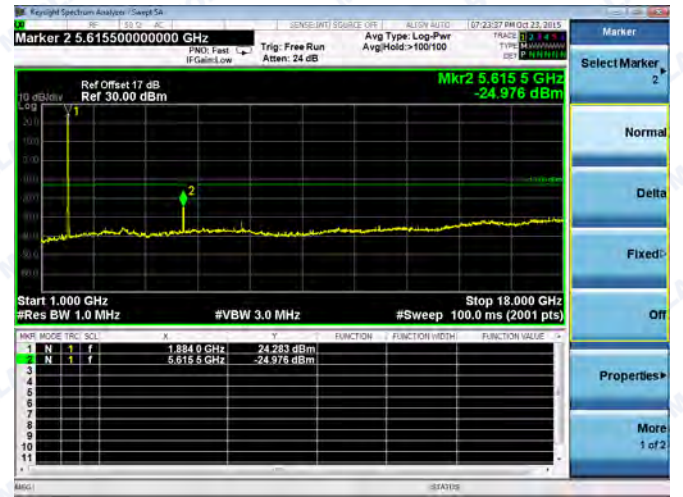
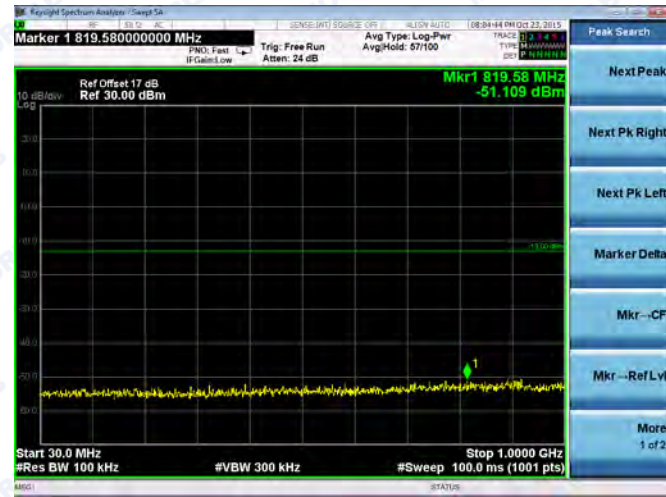




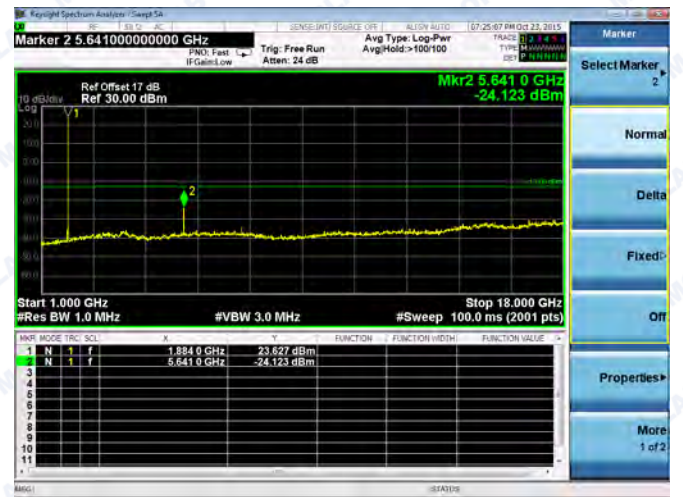
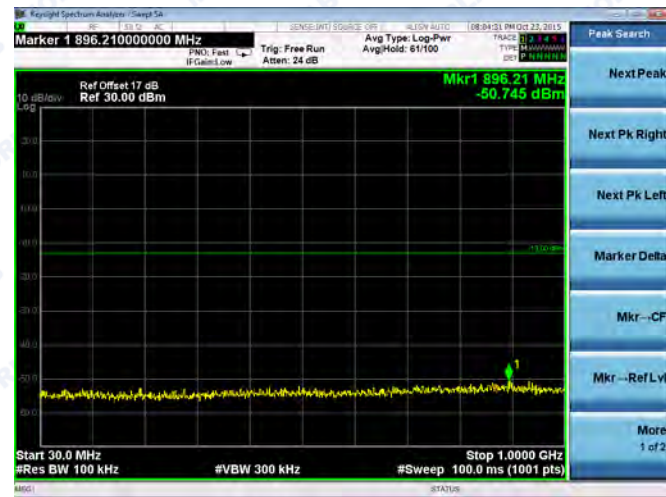


LTE Band 2 20MHz BW Mid Channel

QPSK



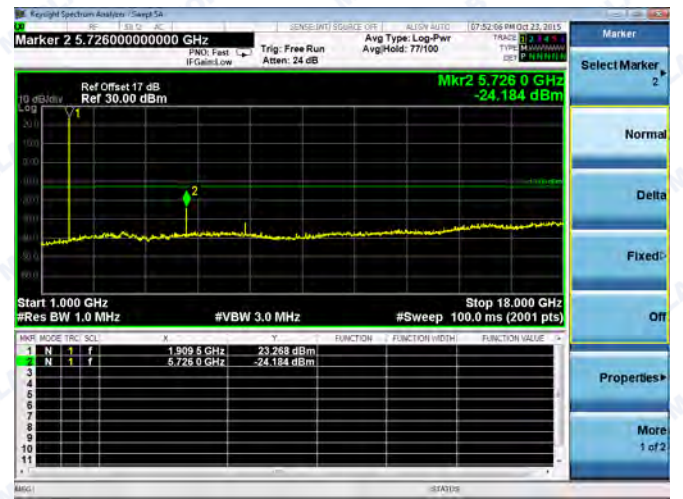
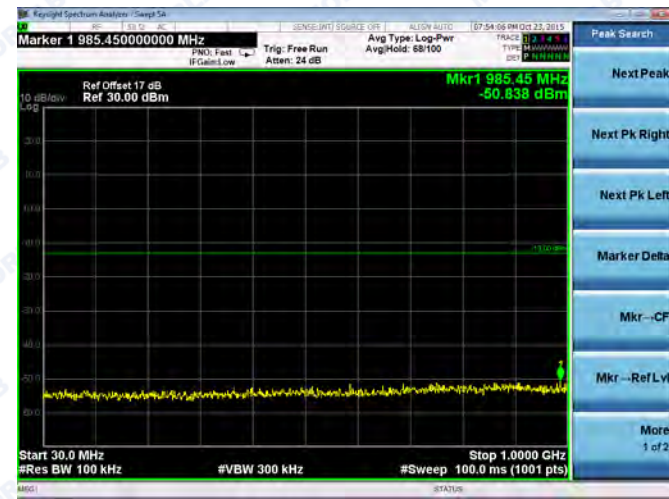
16QAM



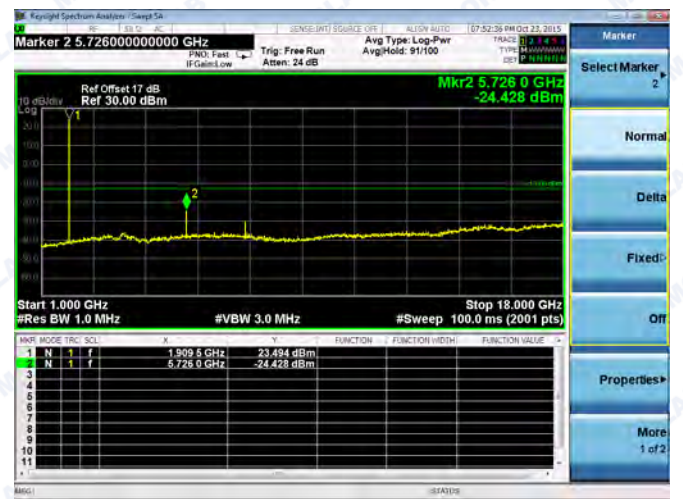
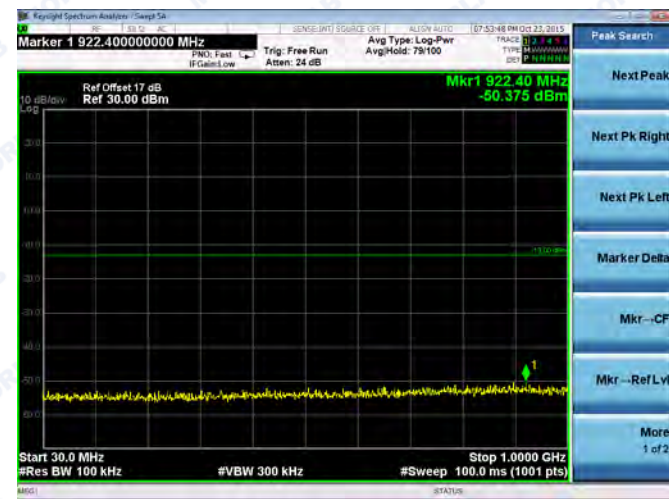


LTE Band 2 1.4MHz BW High Channel

QPSK



16QAM

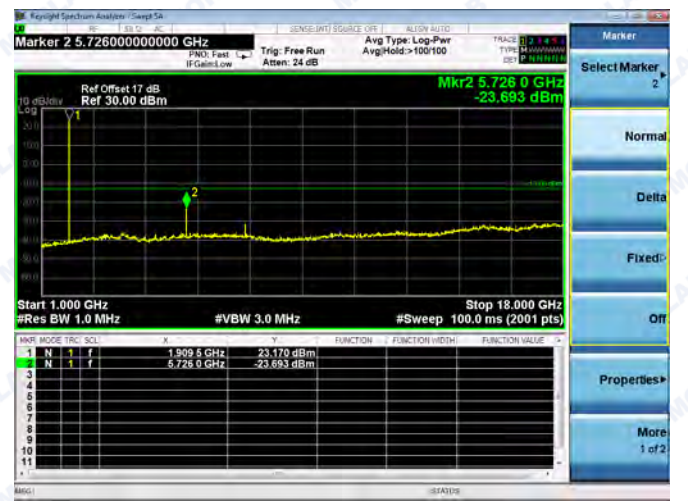
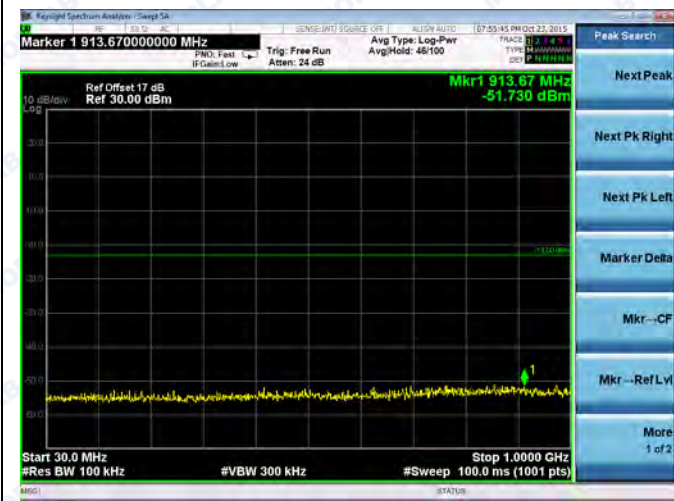




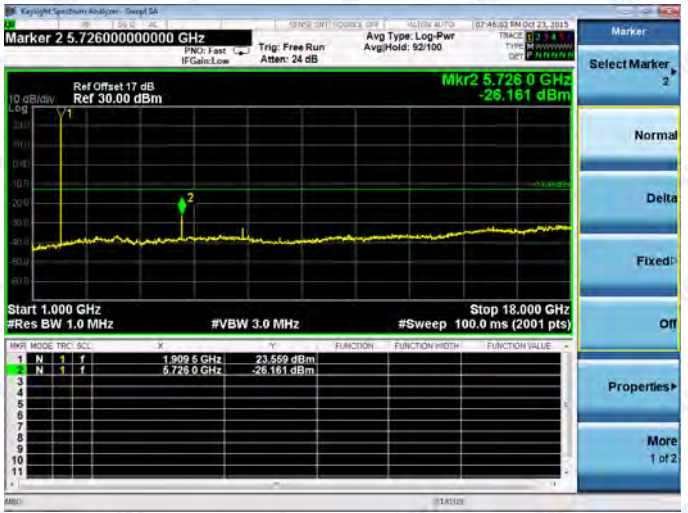
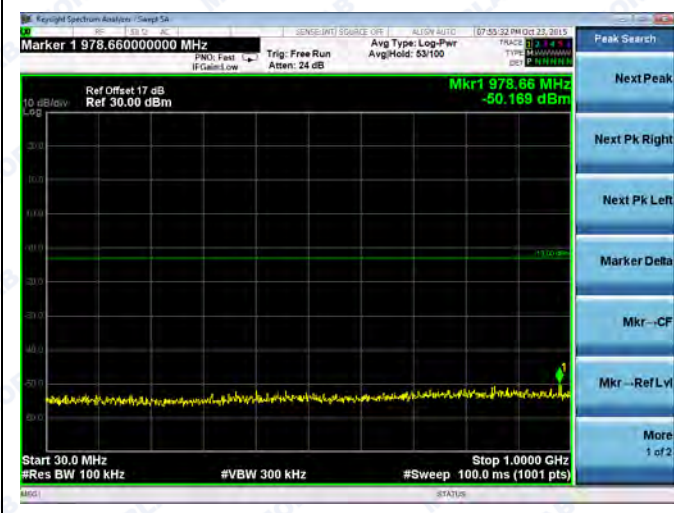


LTE Band 2 3MHz BW High Channel

QPSK



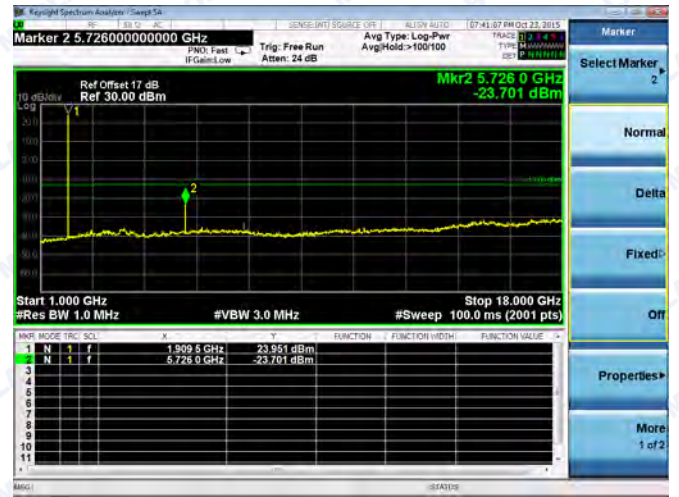
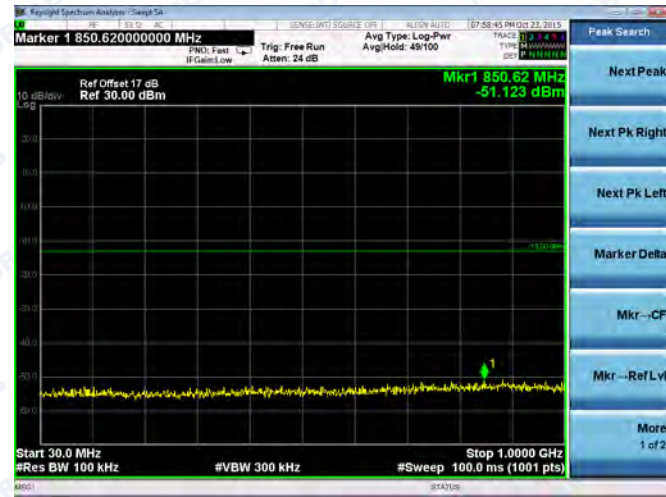
16QAM



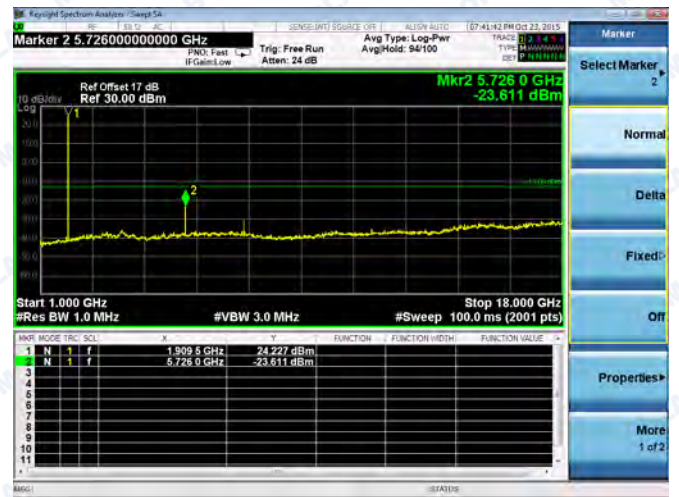
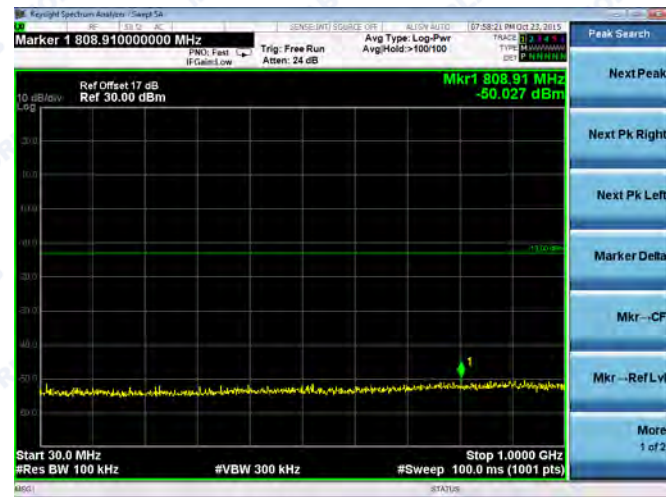


LTE Band 2 5MHz BW High Channel

QPSK



16QAM

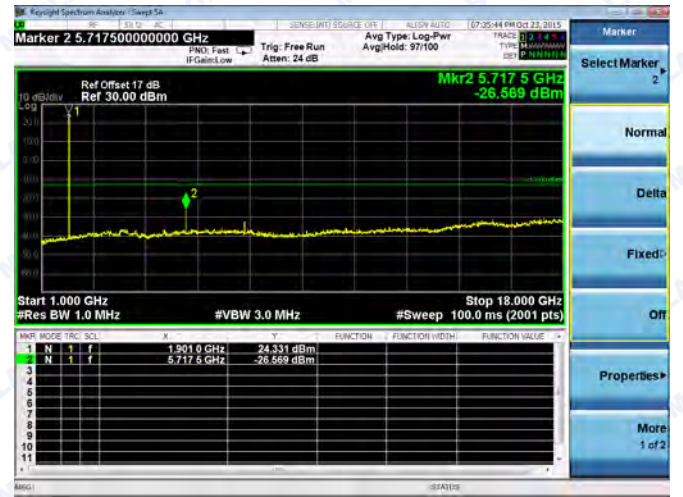
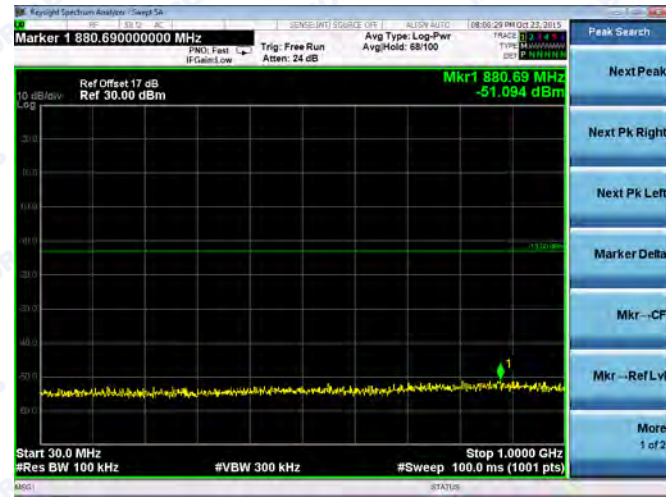




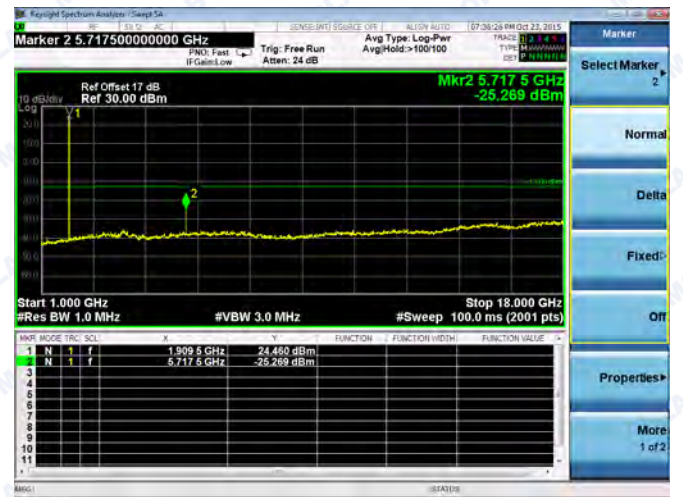
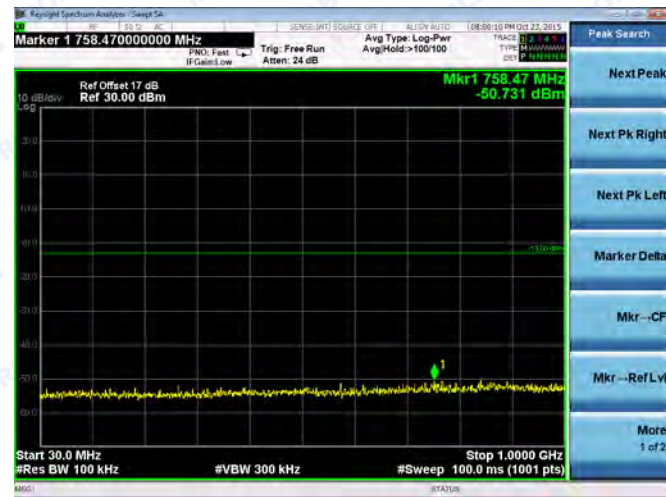


LTE Band 2 10MHz BW High Channel

QPSK



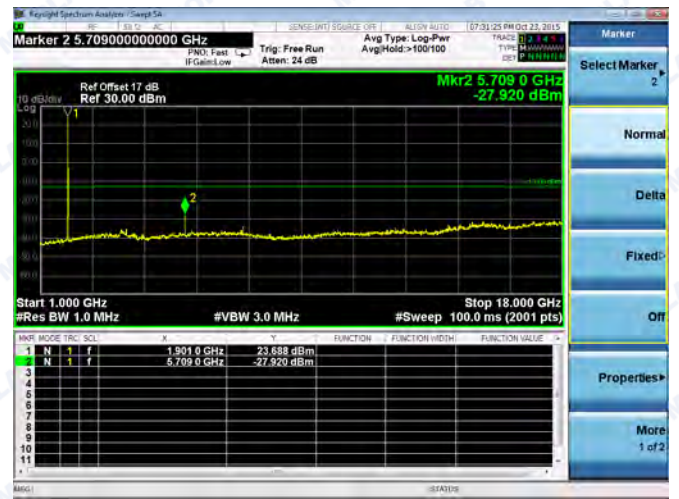
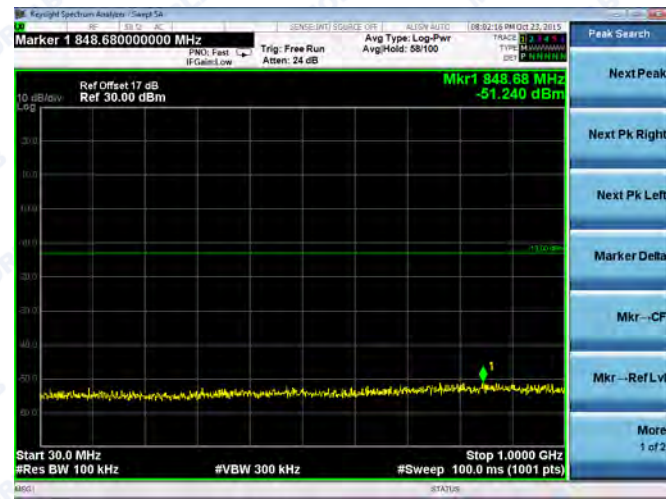
16QAM



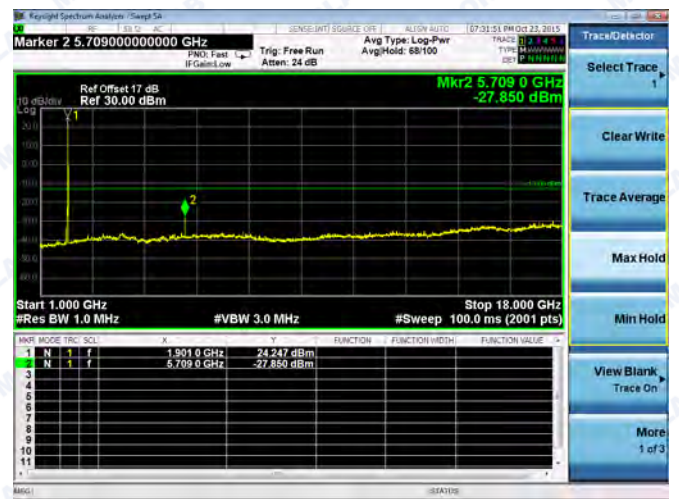
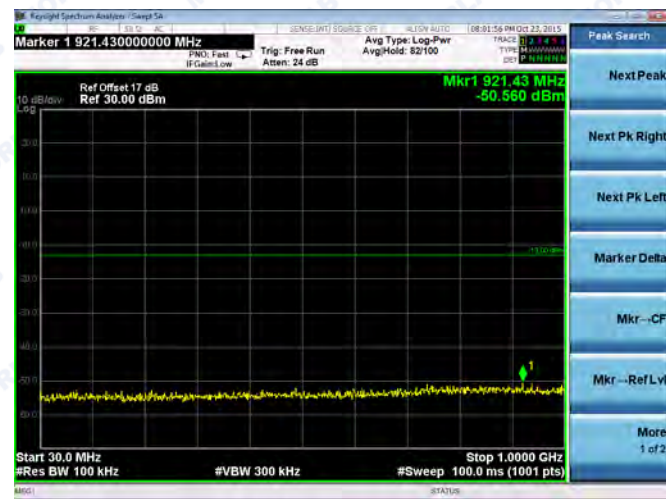


LTE Band 2 15MHz BW High Channel

QPSK



16QAM

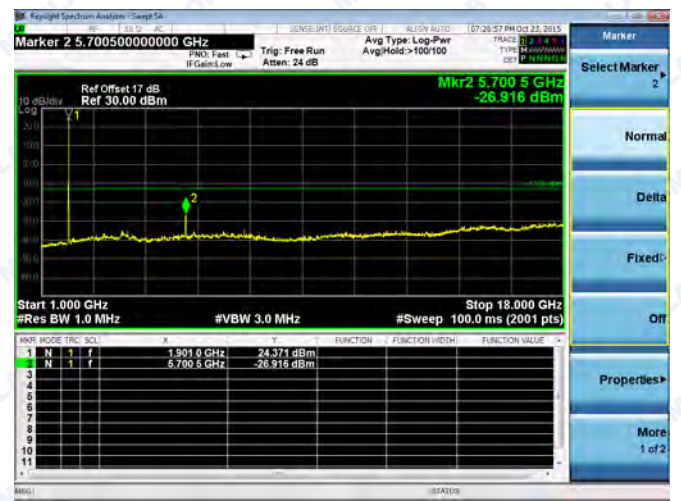
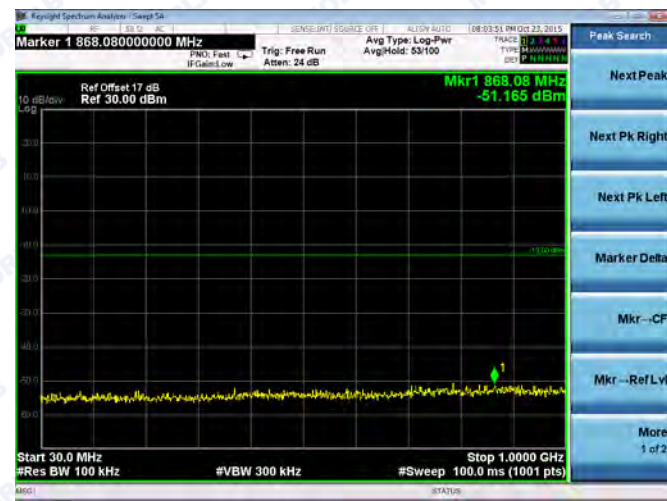




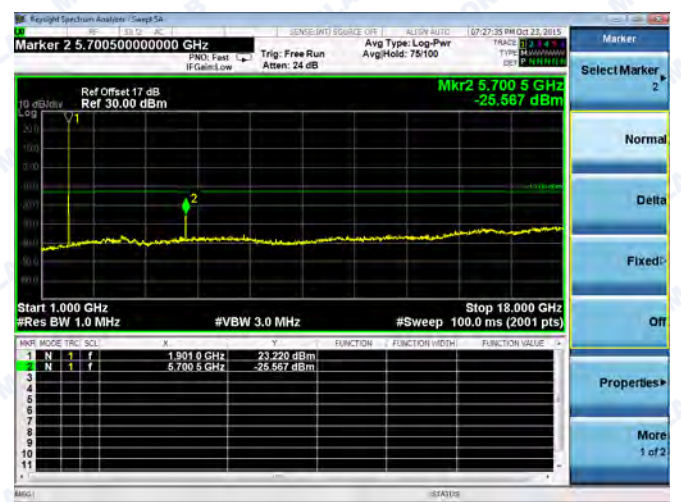
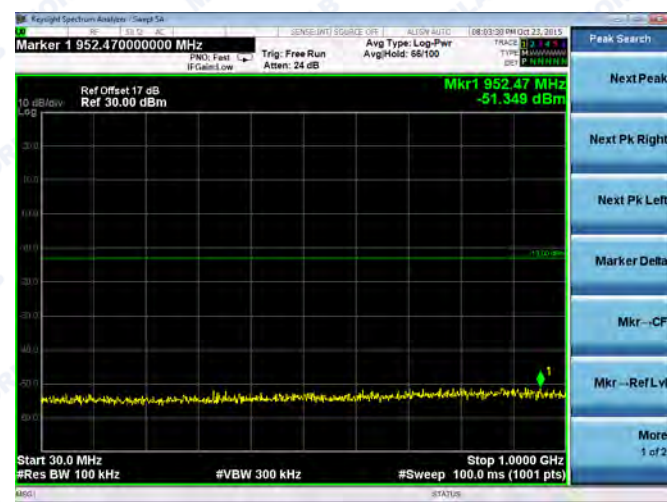


LTE Band 2 20MHz BW High Channel

QPSK



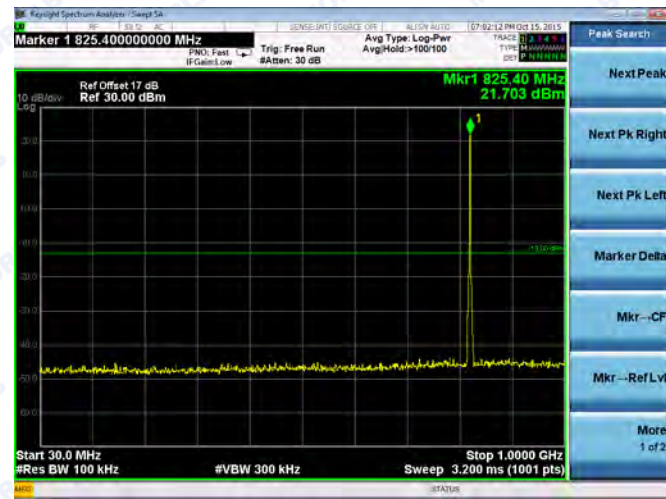
16QAM





LTE Band 5 1.4MHz BW Low Channel

QPSK



16QAM





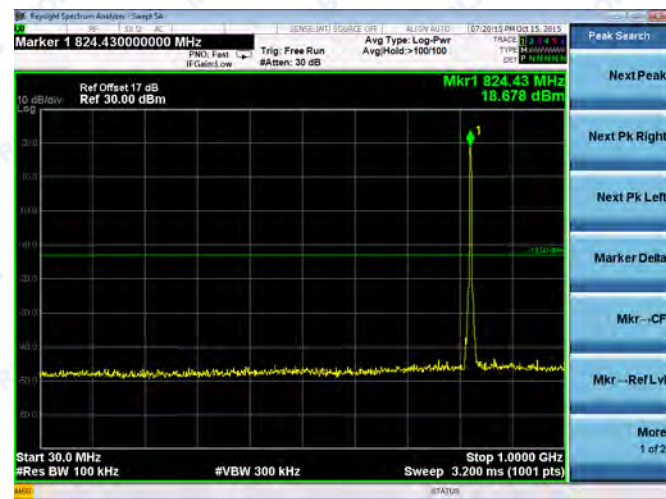


LTE Band 5 3MHz BW Low Channel

QPSK



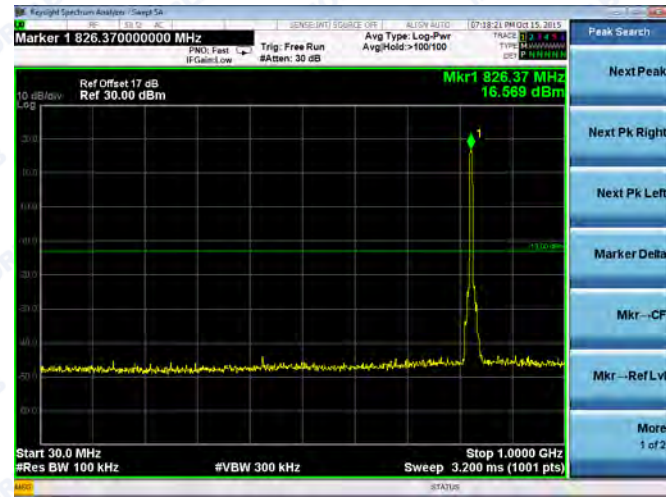
16QAM





LTE Band 5 5MHz BW Low Channel

QPSK



16QAM

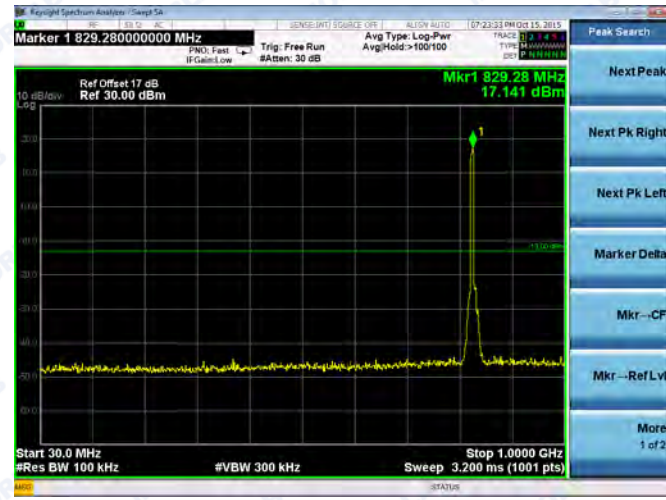




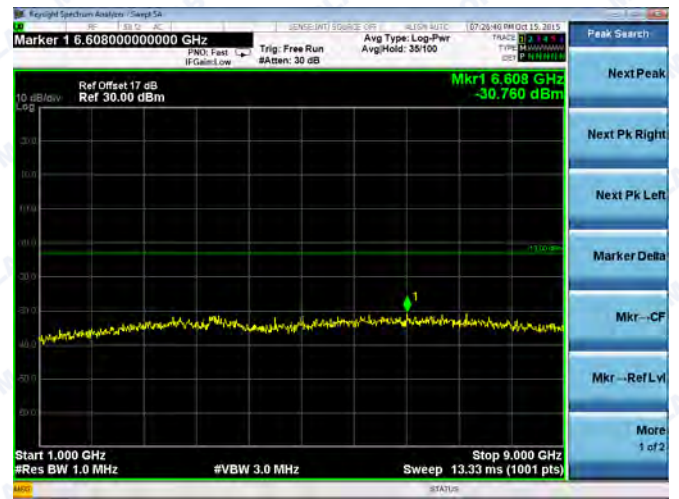
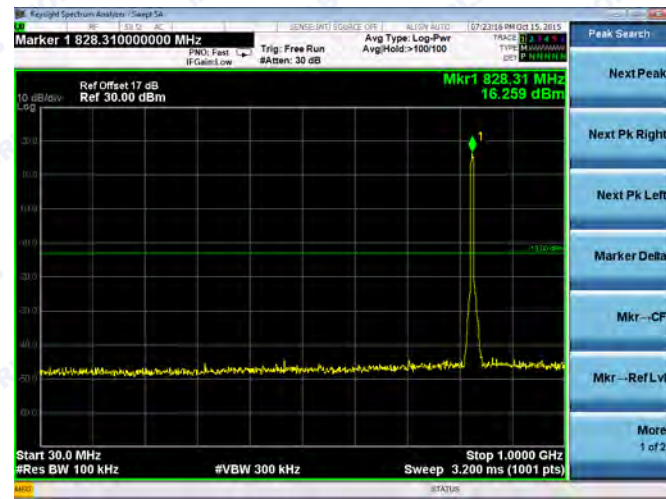


LTE Band 5 10MHz BW Low Channel

QPSK



16QAM

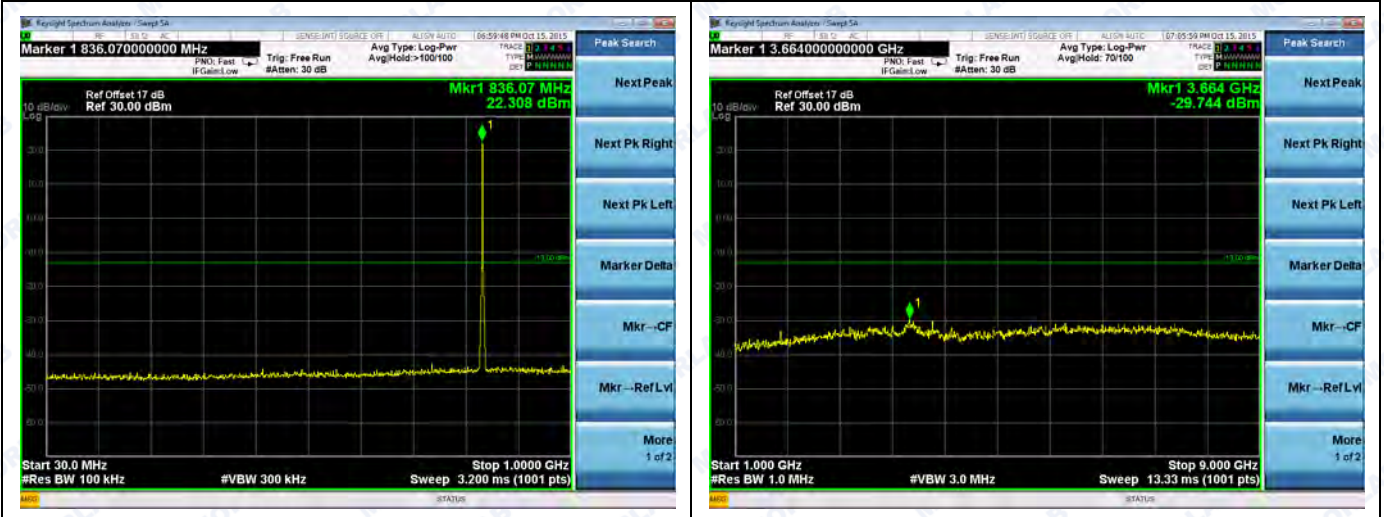




Middle channel:

LTE Band 5 1.4MHz BW Mid Channel

QPSK



16QAM

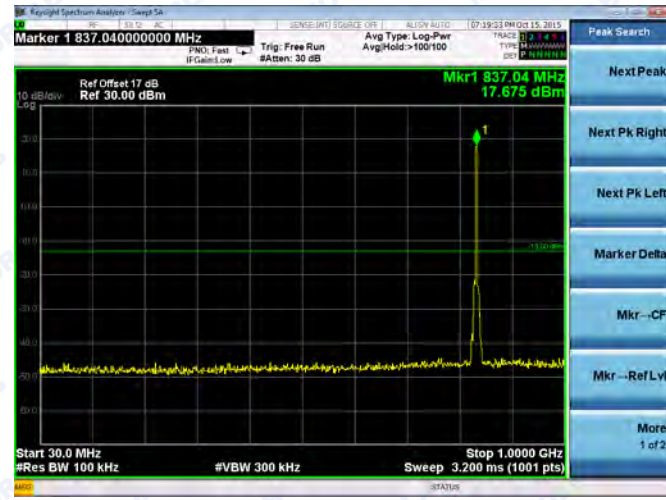




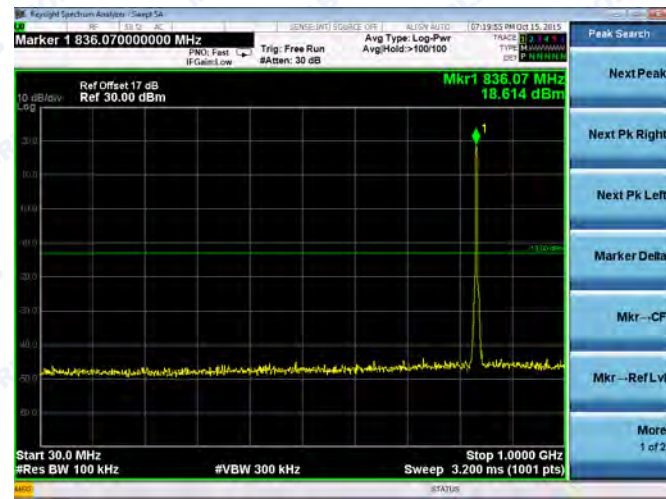


LTE Band 5 3MHz BW Mid Channel

QPSK



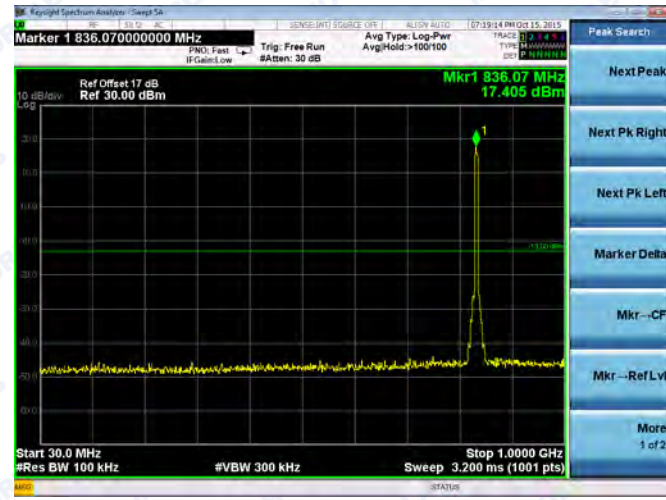
16QAM



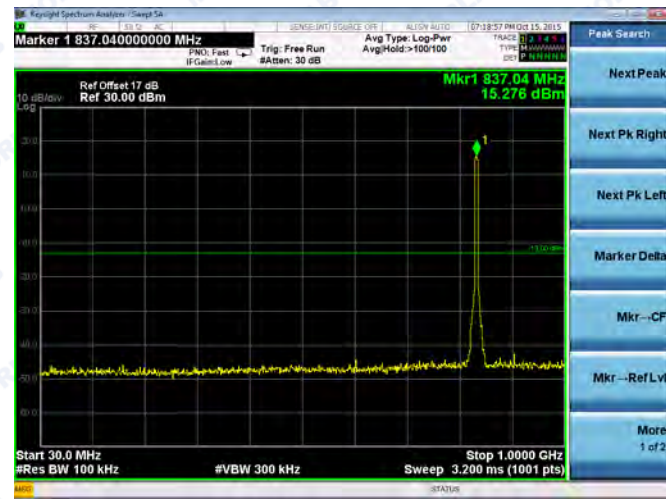


LTE Band 5 5MHz BW Mid Channel

QPSK



16QAM

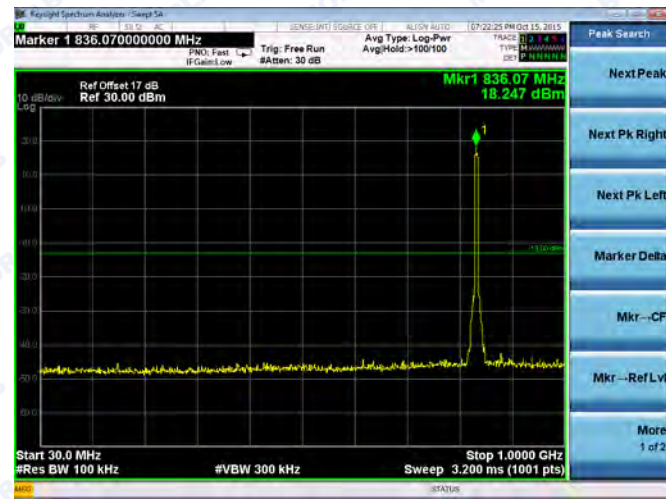




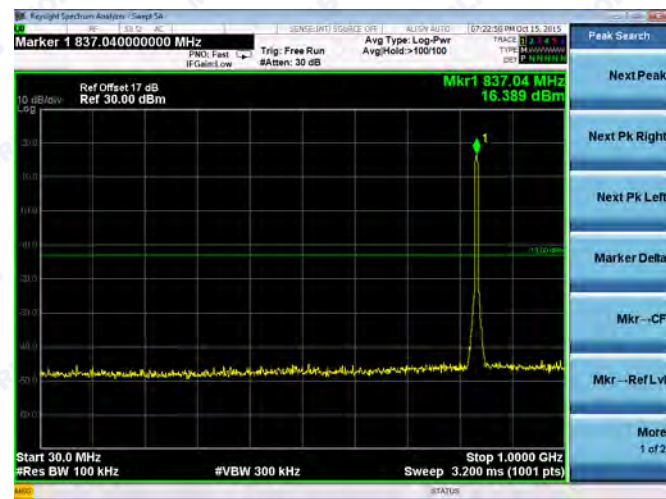


LTE Band 5 10MHz BW Mid Channel

QPSK



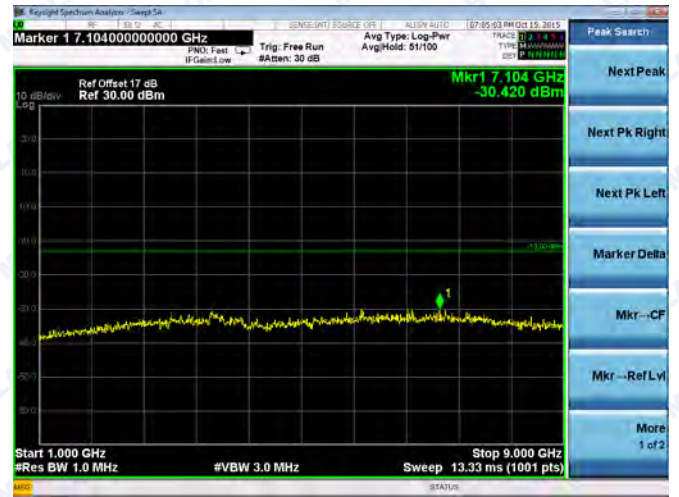
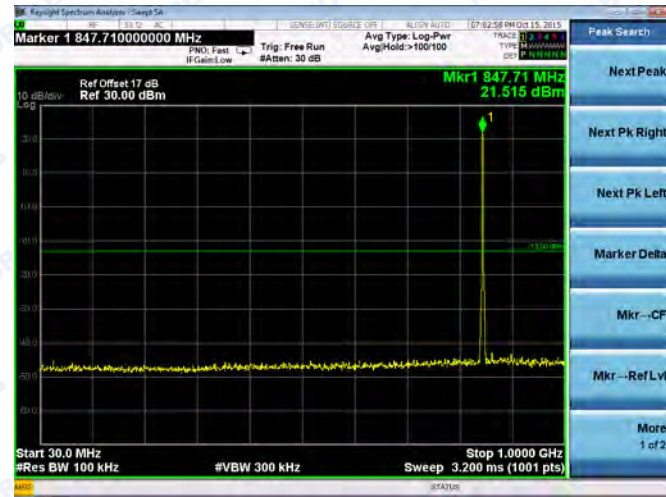
16QAM



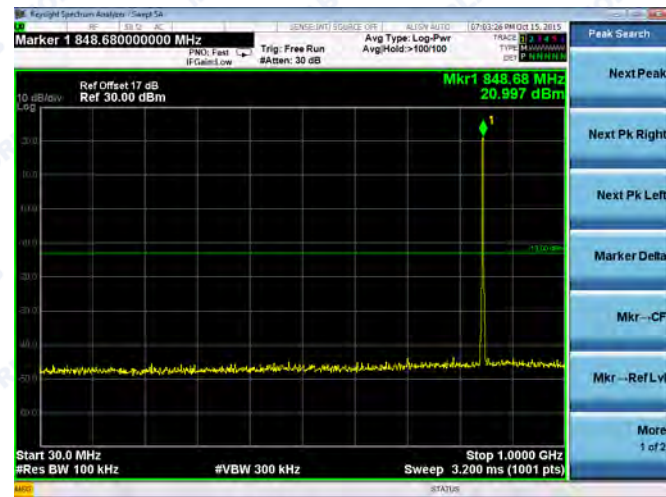


LTE Band 5 1.4MHz BW High Channel

QPSK



16QAM

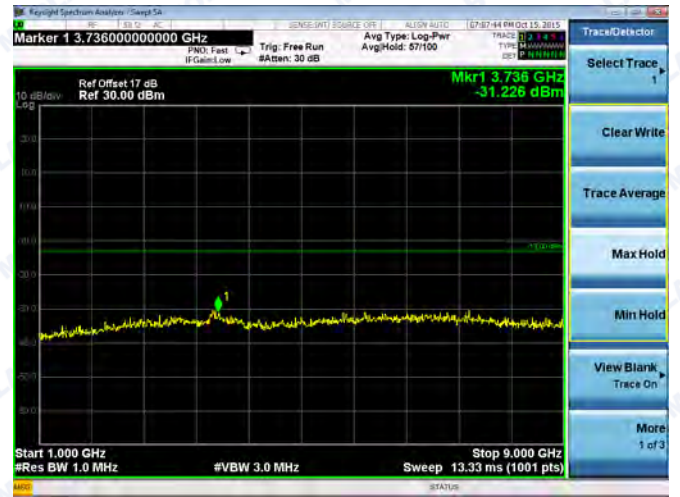
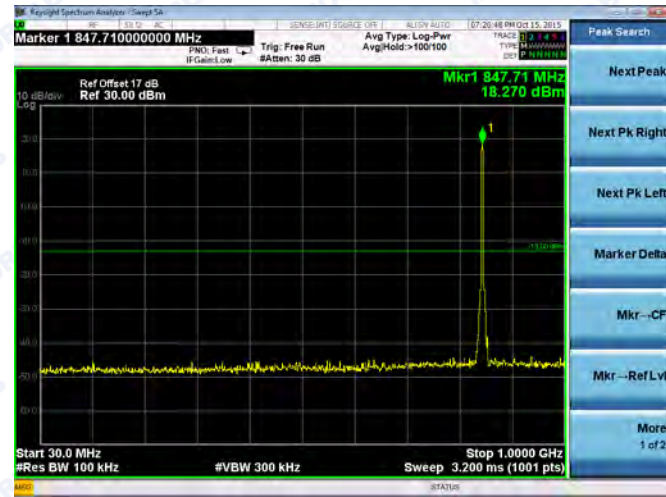




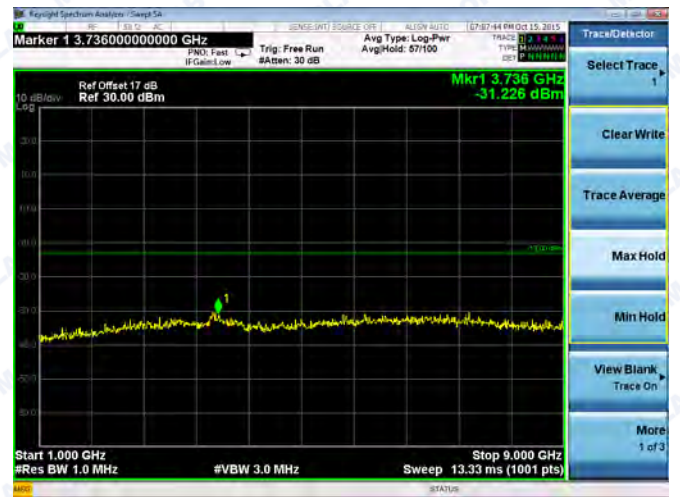
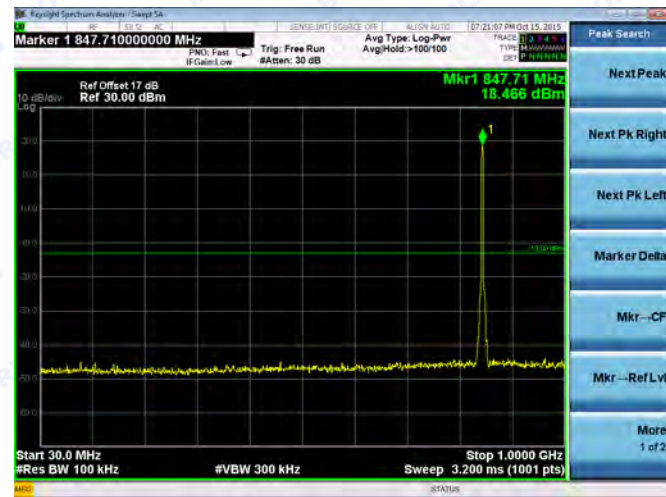


LTE Band 5 3MHz BW High Channel

QPSK



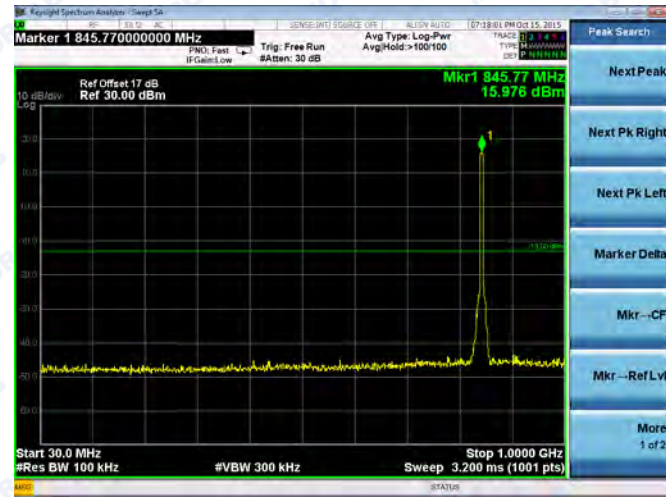
16QAM



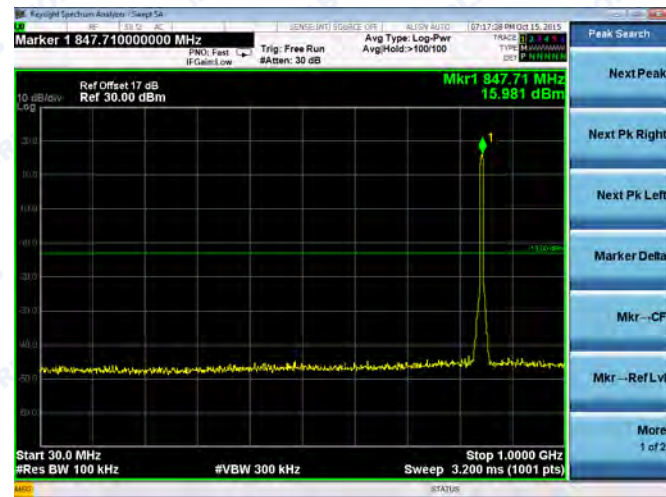


LTE Band 5 5MHz BW High Channel

QPSK



16QAM

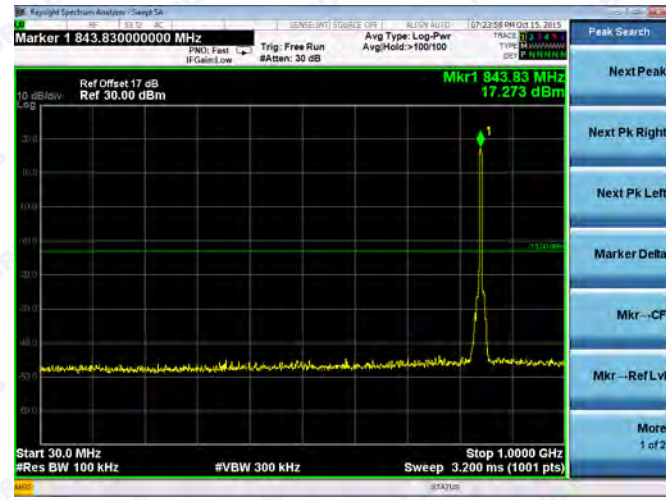




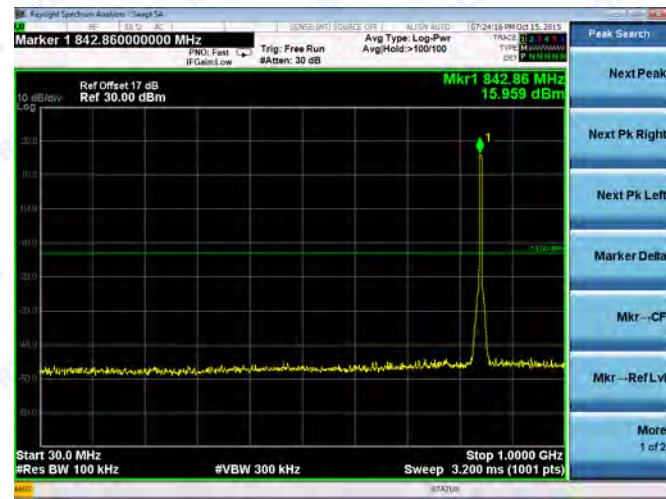


LTE Band 5 10MHz BW High Channel

QPSK



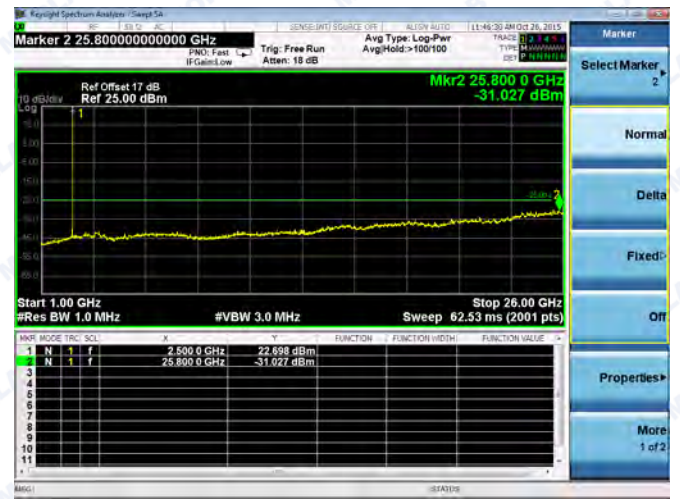
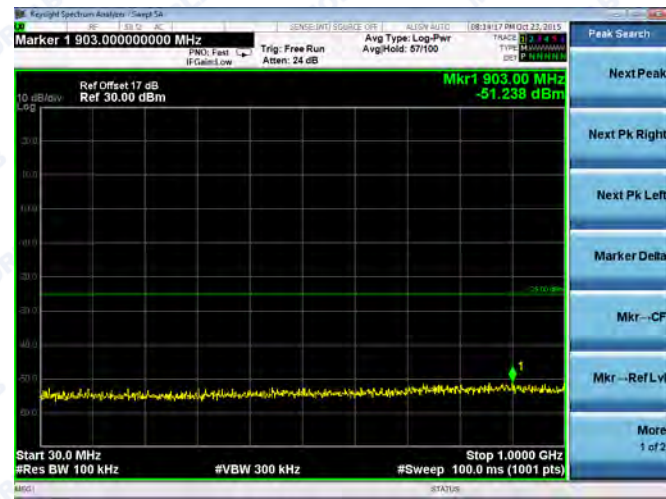
16QAM



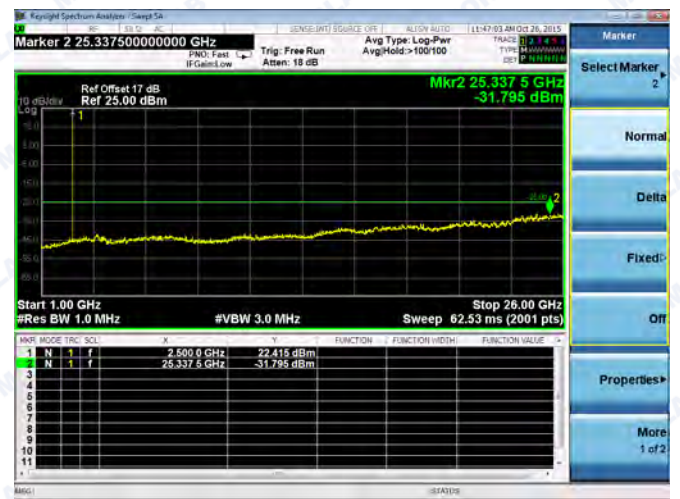
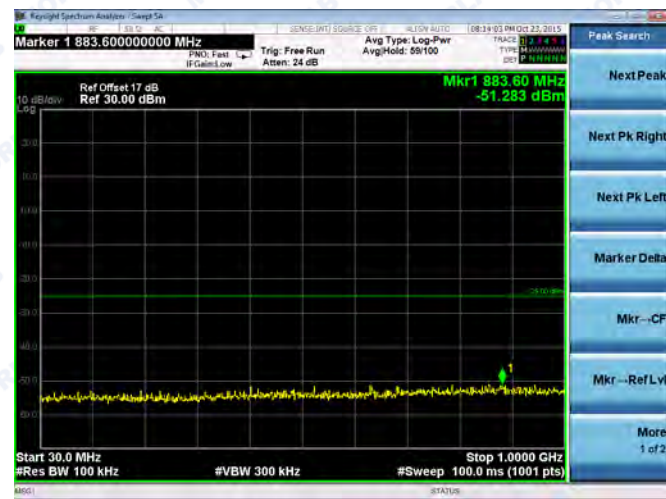


LTE Band 7 5MHz BW Low Channel

QPSK



16QAM

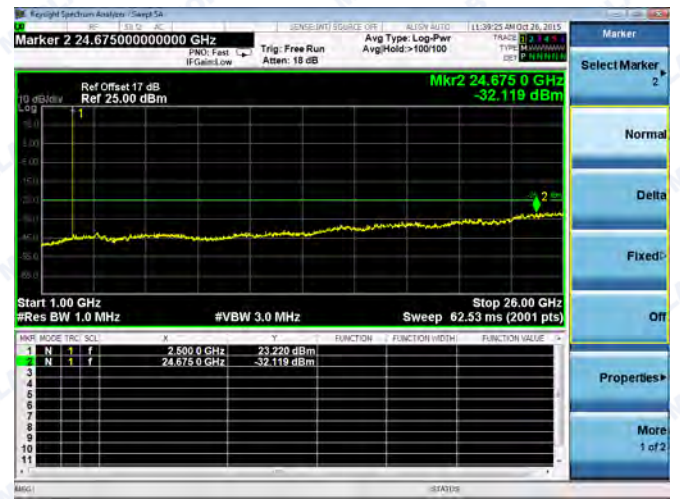
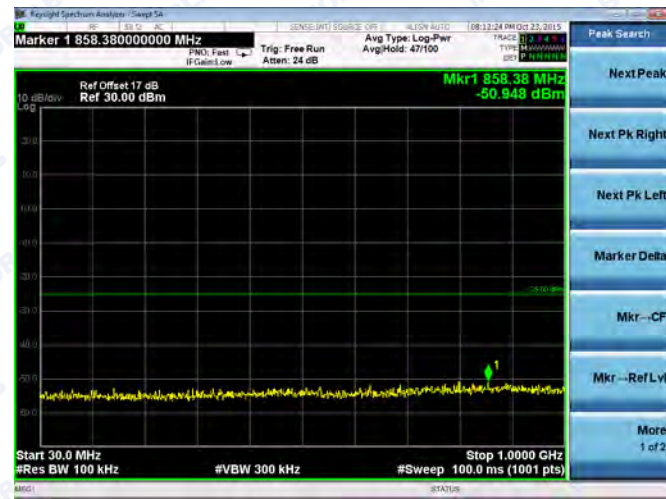




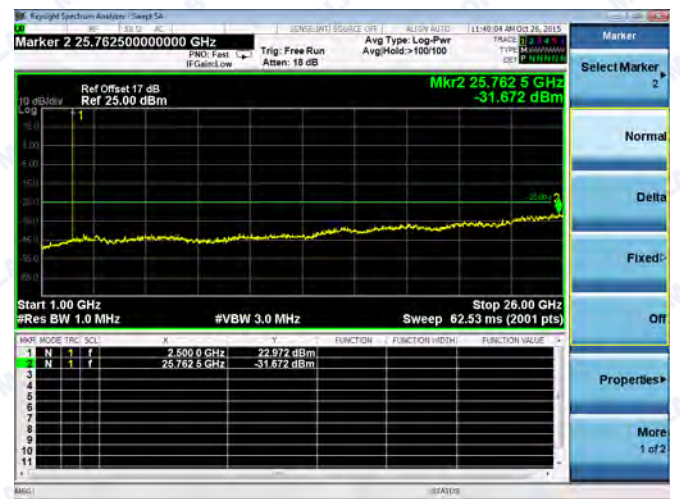
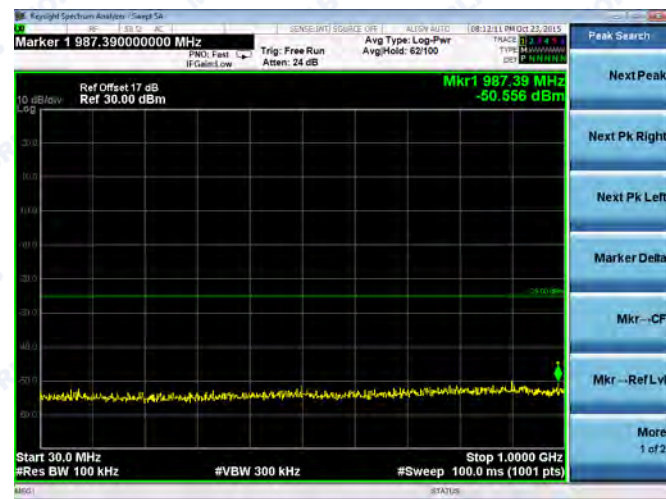


LTE Band 7 10MHz BW Low Channel

QPSK



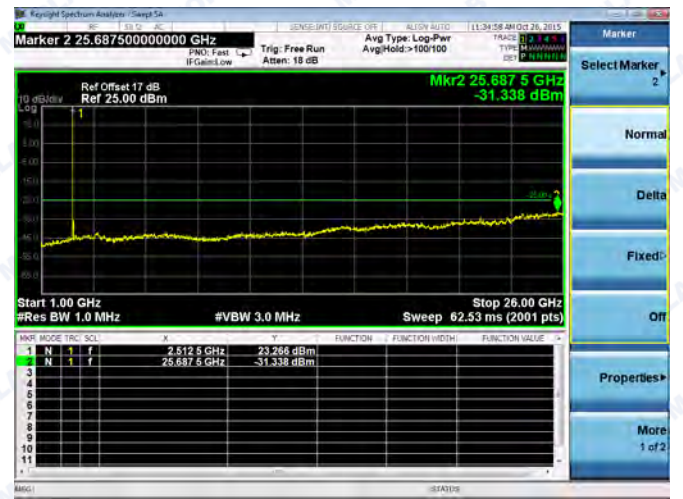
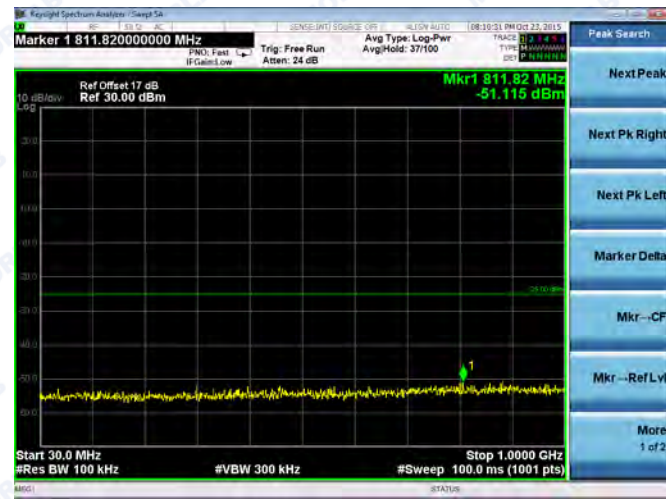
16QAM



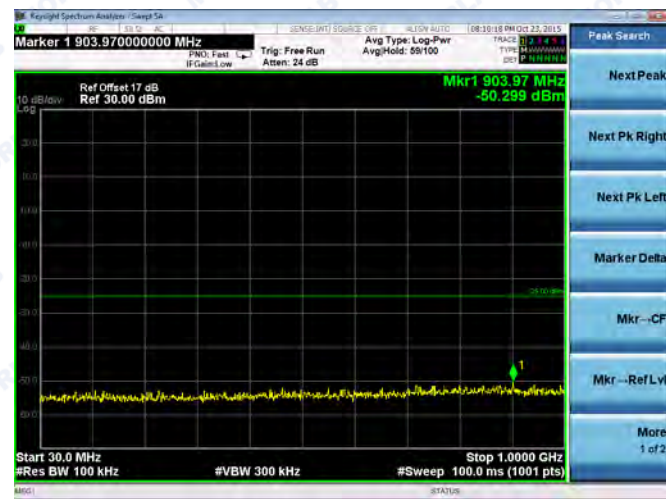


LTE Band 7 15MHz BW Low Channel

QPSK



16QAM

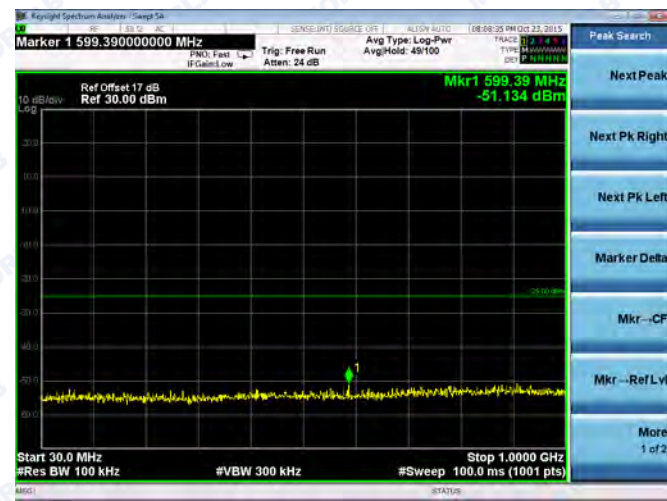




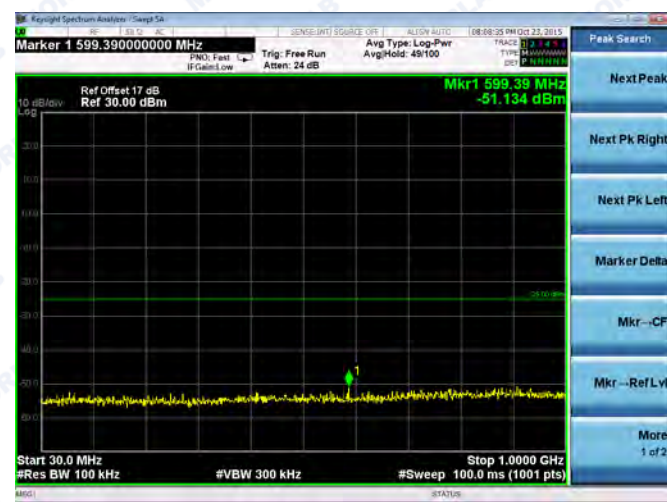


LTE Band 7 20MHz BW Low Channel

QPSK



16QAM

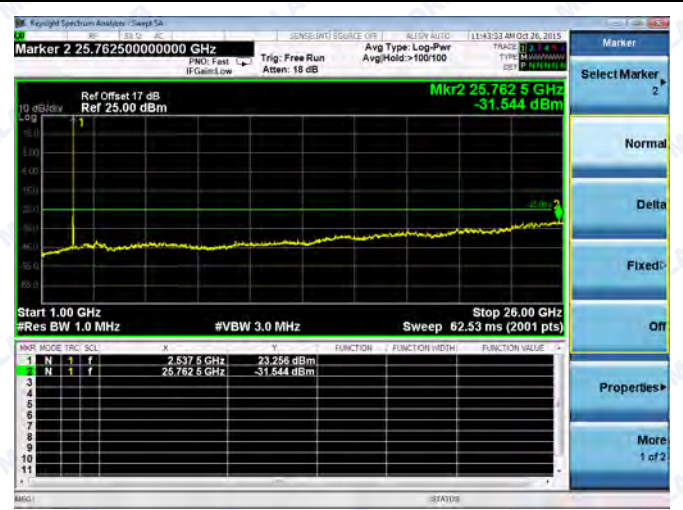
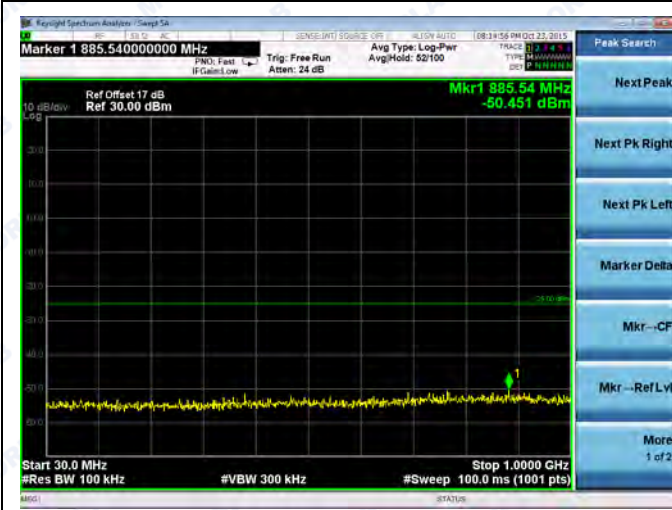




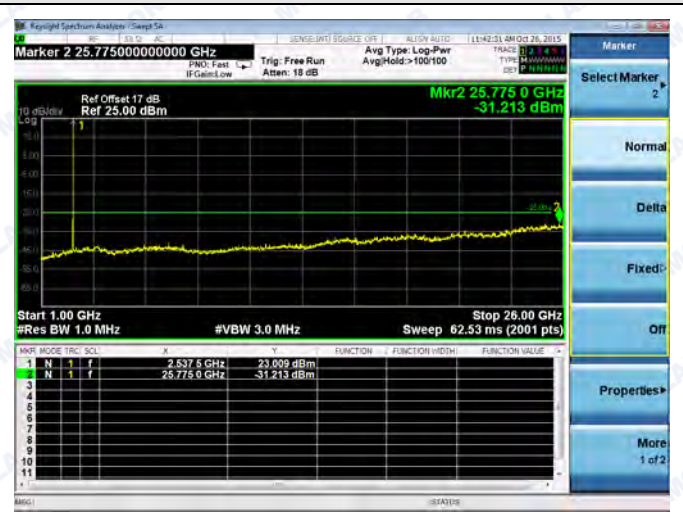
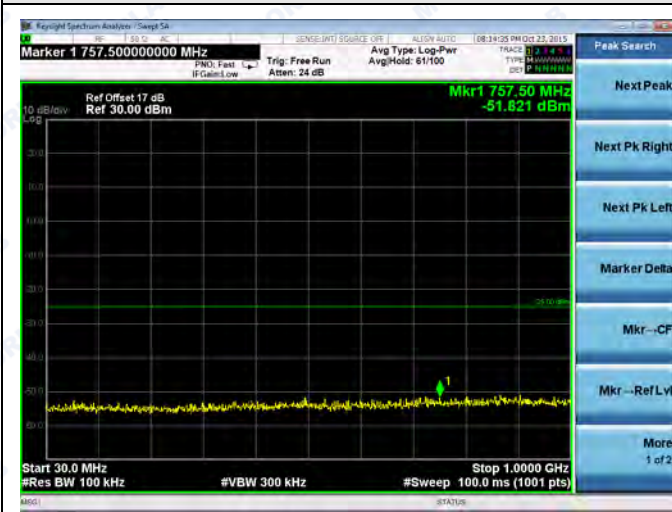
Middle channel:

LTE Band 7 5MHz BW Mid Channel

QPSK



16QAM

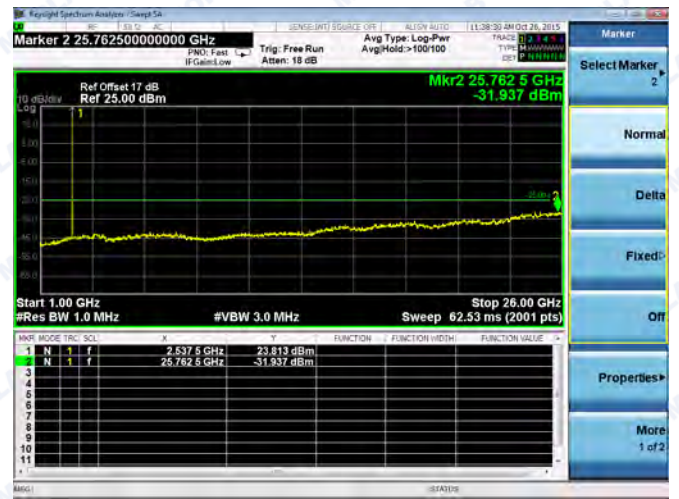
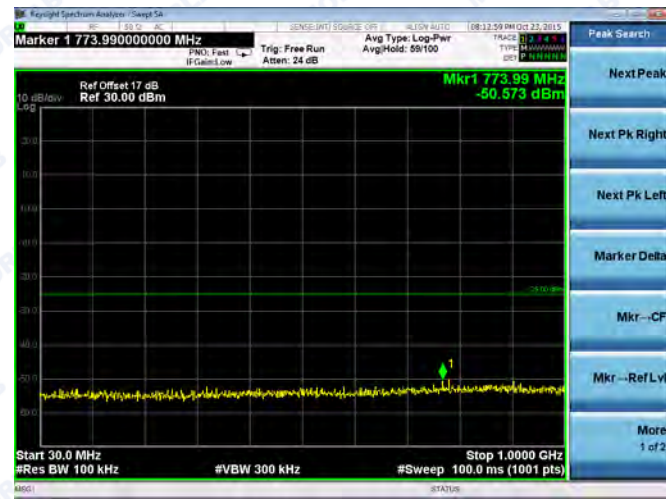




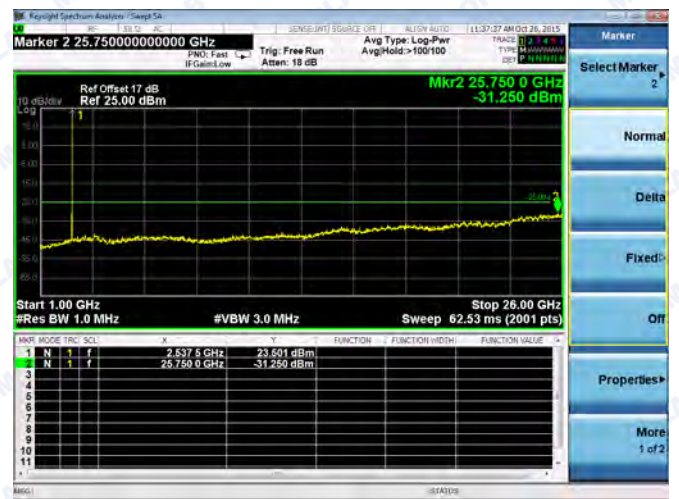
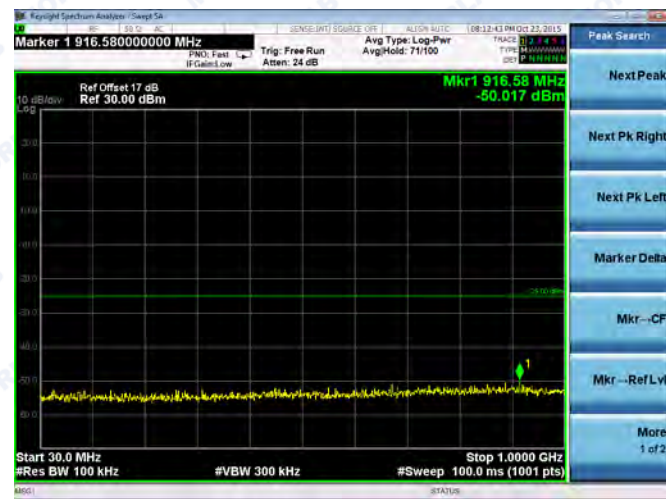


LTE Band 7 10MHz BW Mid Channel

QPSK



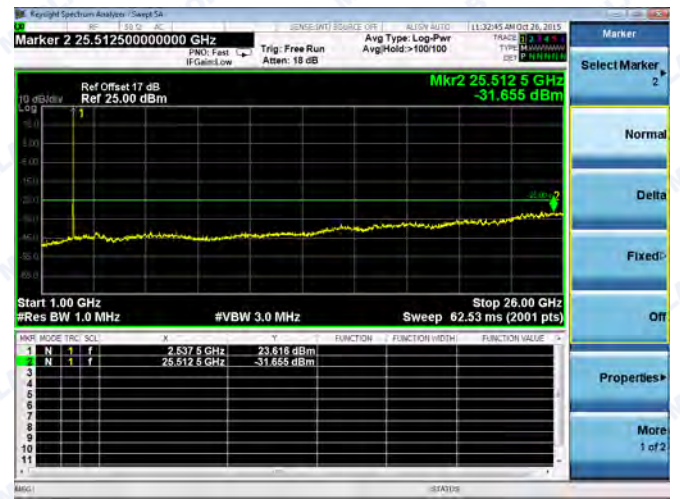
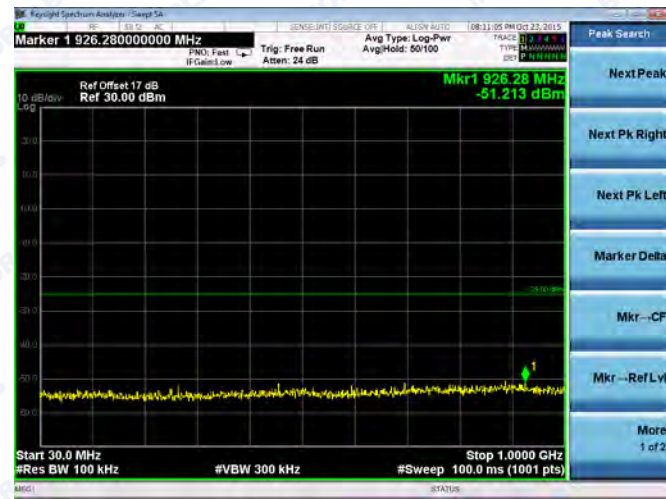
16QAM



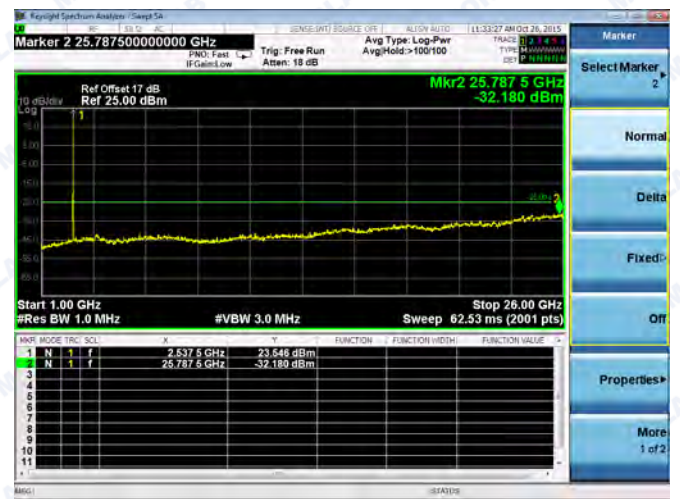
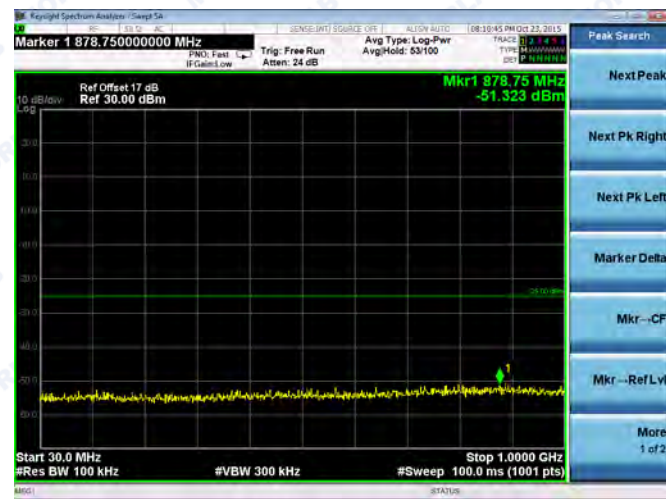


LTE Band 7 15MHz BW Mid Channel

QPSK



16QAM

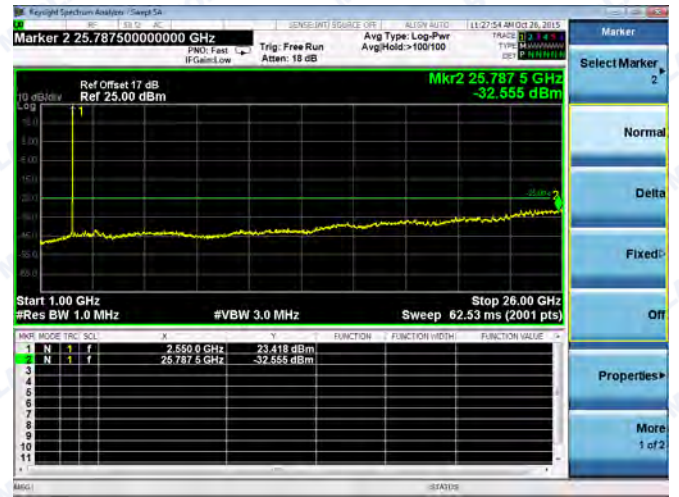




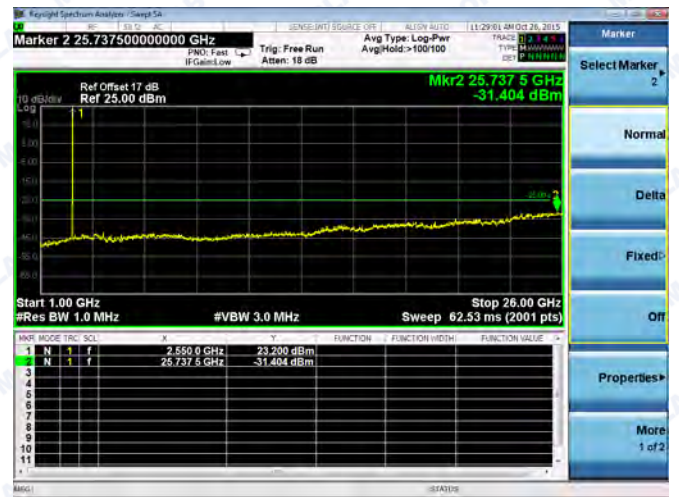
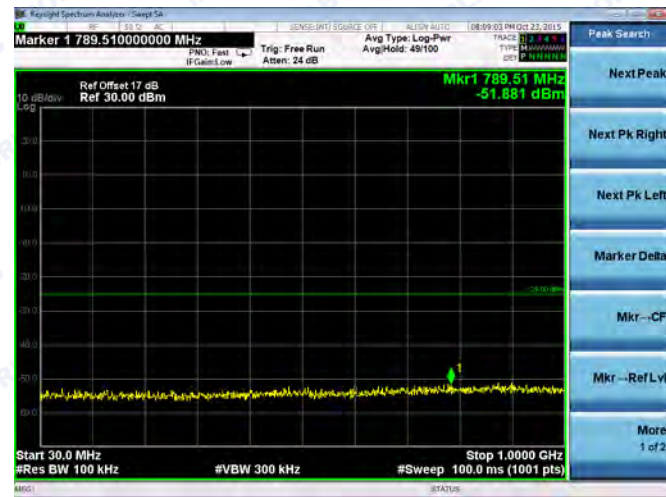


LTE Band 7 20MHz BW Mid Channel

QPSK



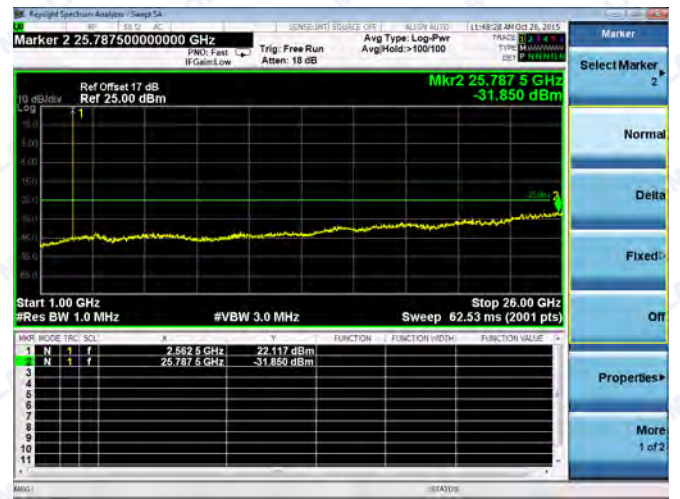
16QAM



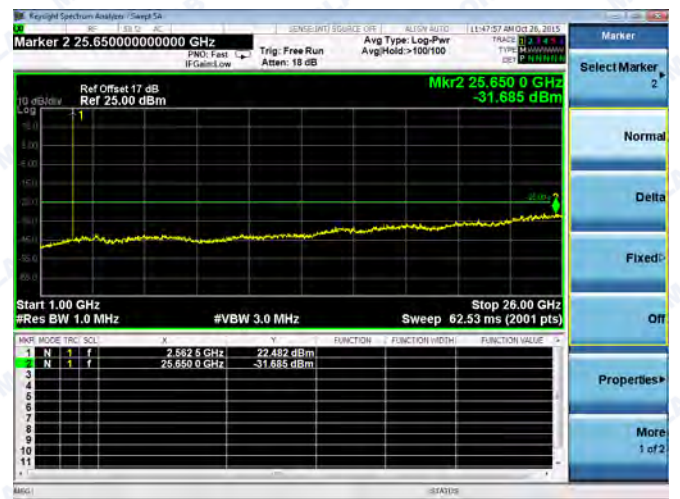
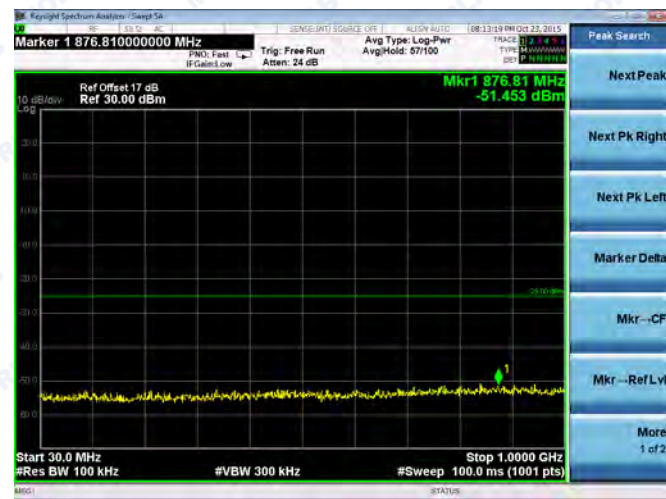


LTE Band 7 5MHz BW High Channel

QPSK



16QAM

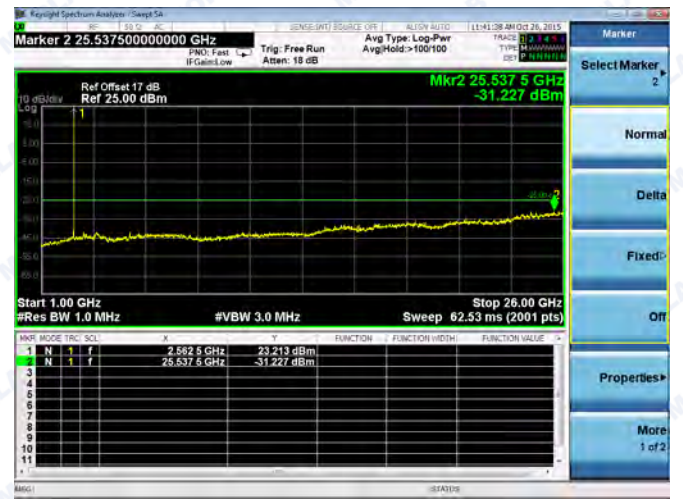
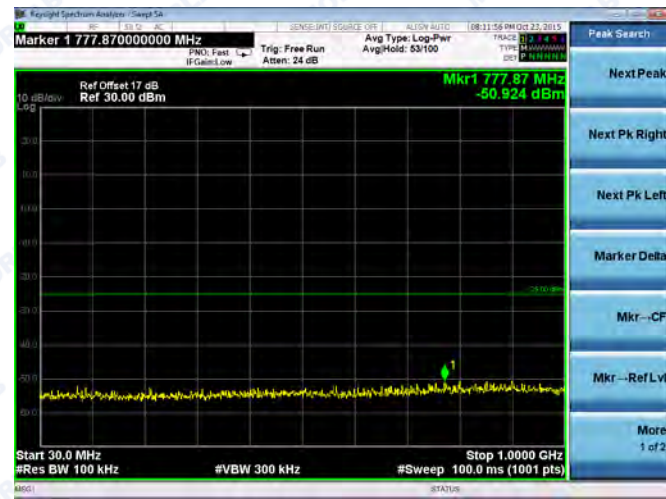




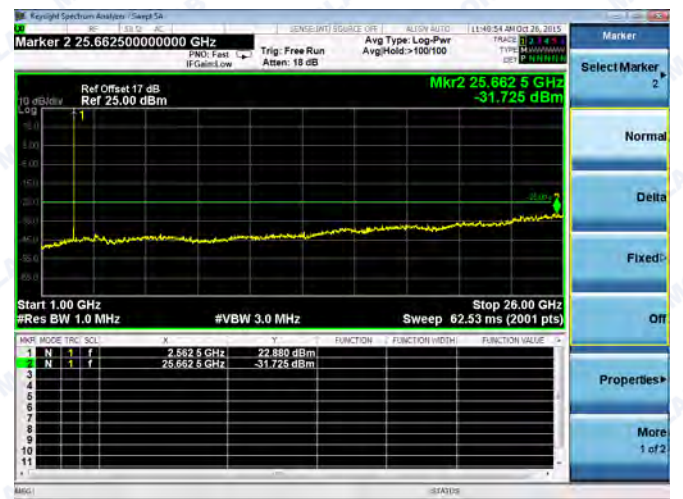
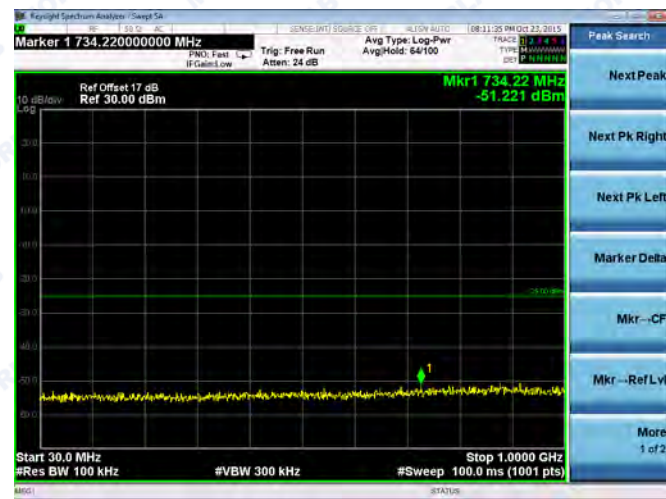


LTE Band 7 10MHz BW High Channel

QPSK



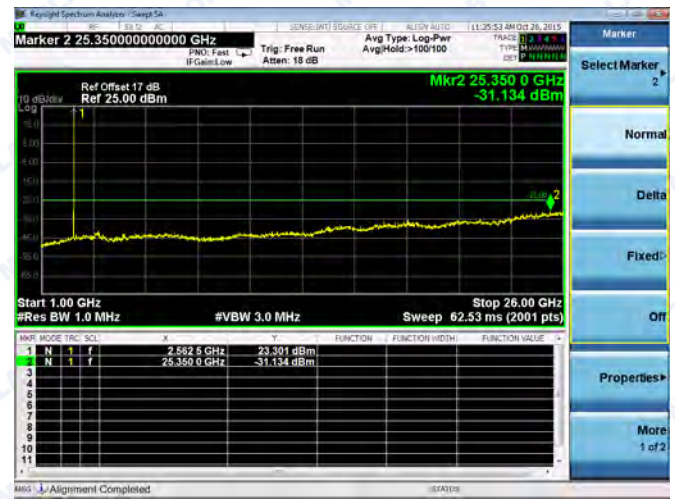
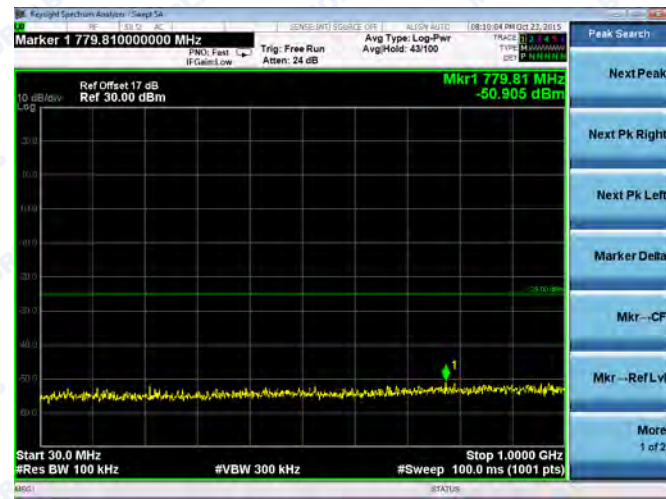
16QAM



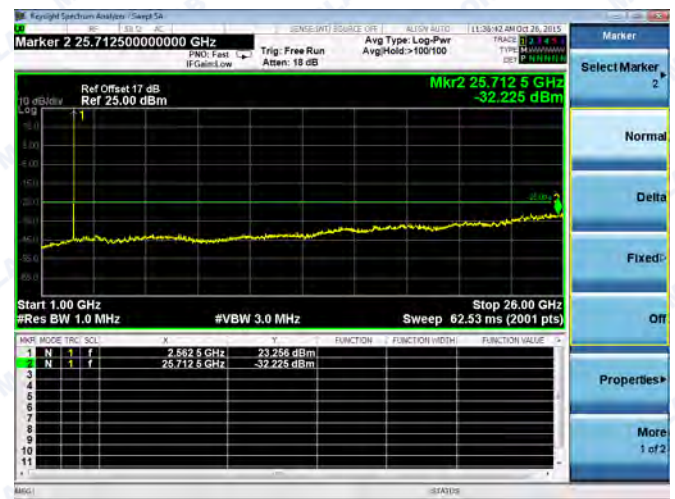
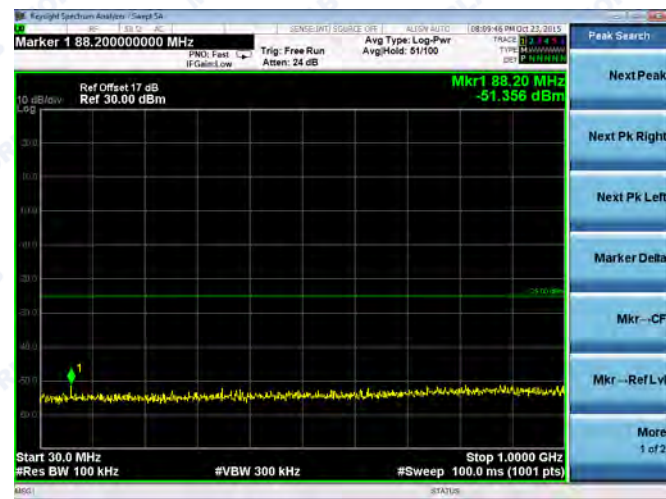


LTE Band 7 15MHz BW High Channel

QPSK



16QAM

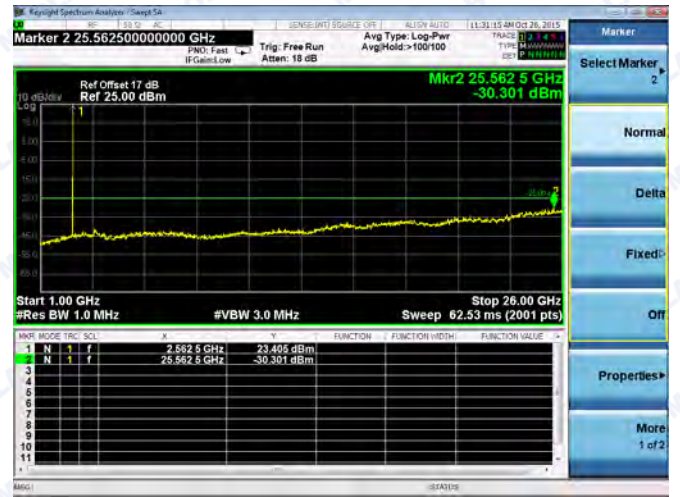




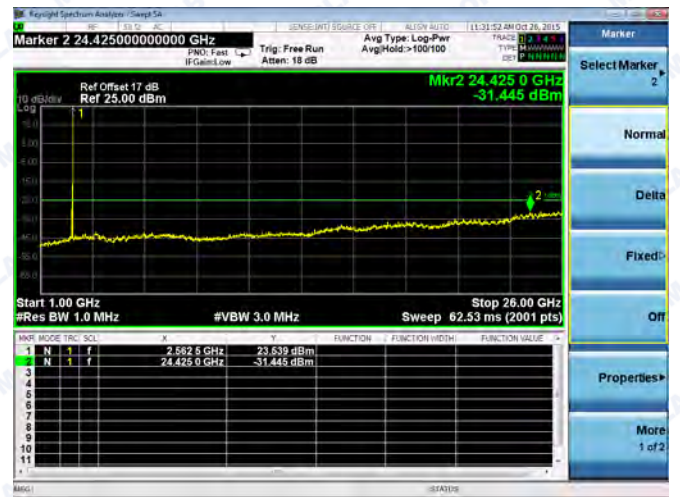


LTE Band 7 20MHz BW High Channel

QPSK



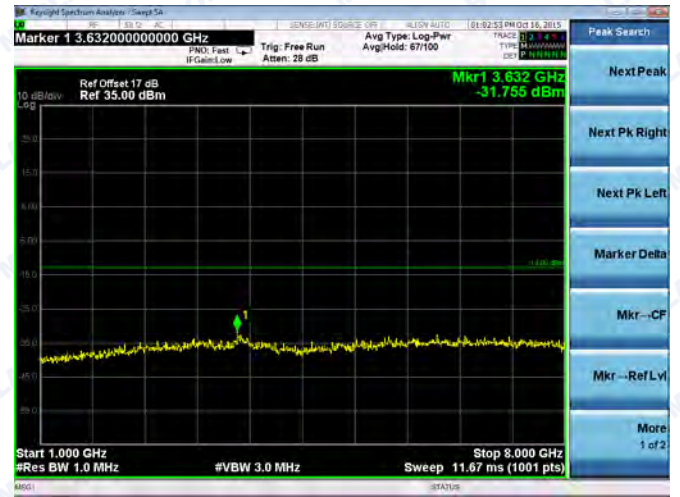
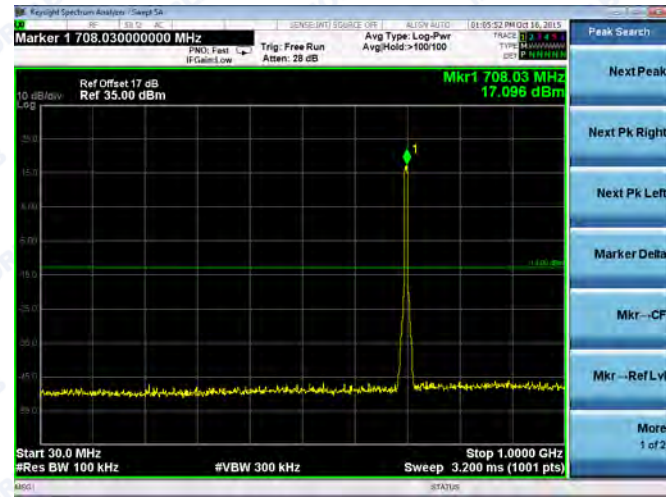
16QAM



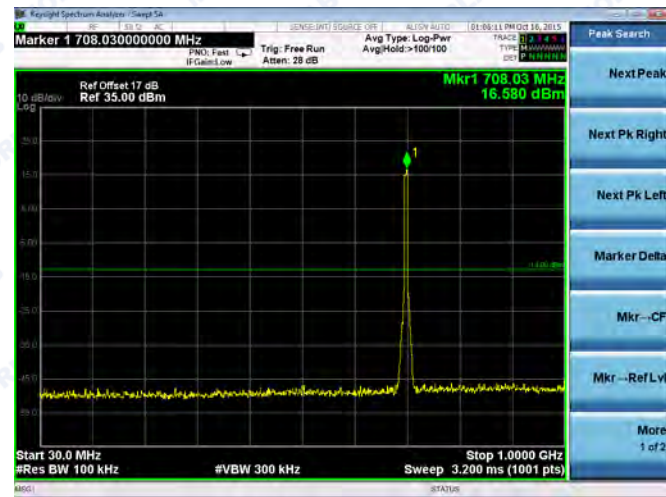


LTE Band 17 5MHz BW Low Channel

QPSK



16QAM

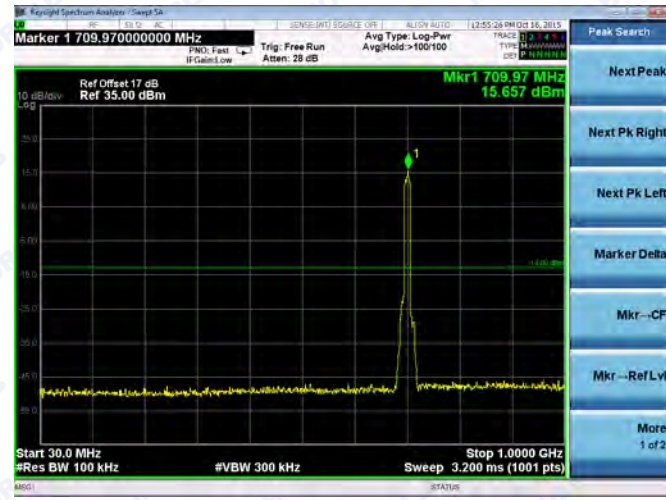




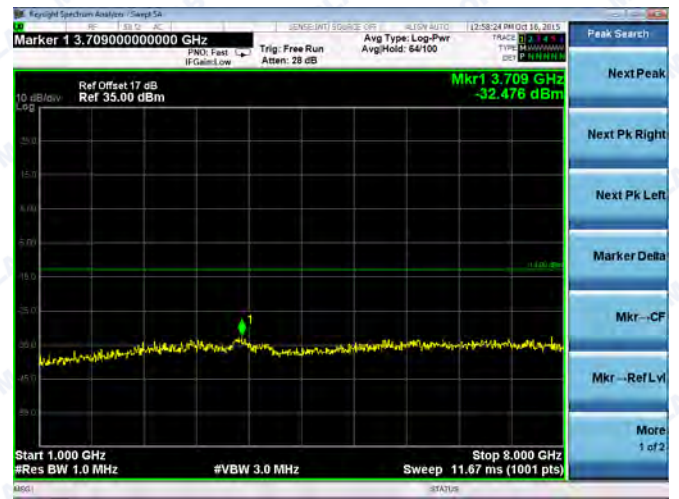
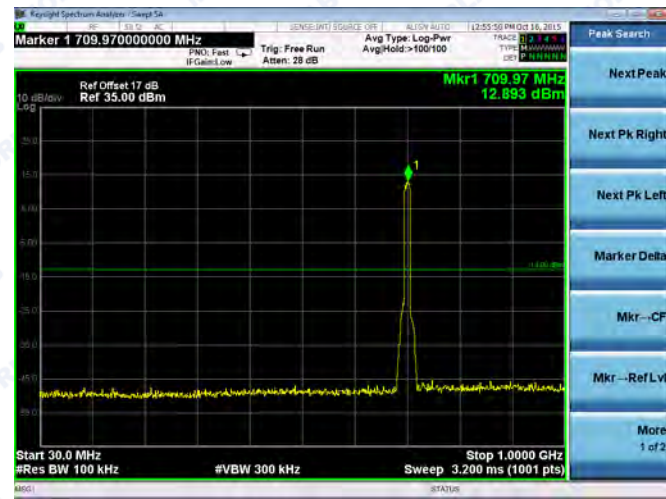


LTE Band 17 10MHz BW Low Channel

QPSK



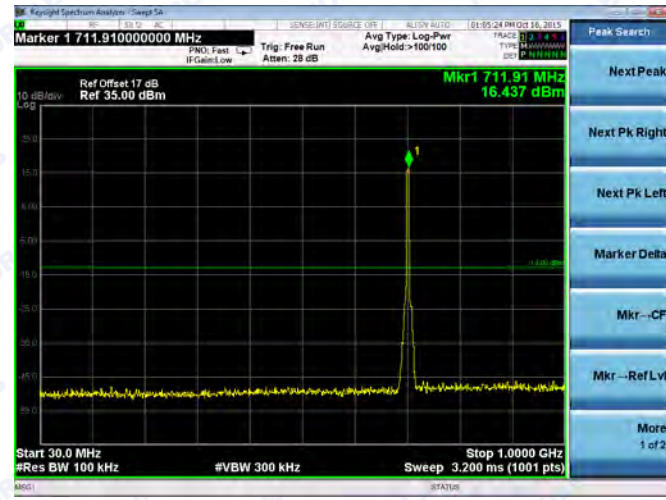
16QAM



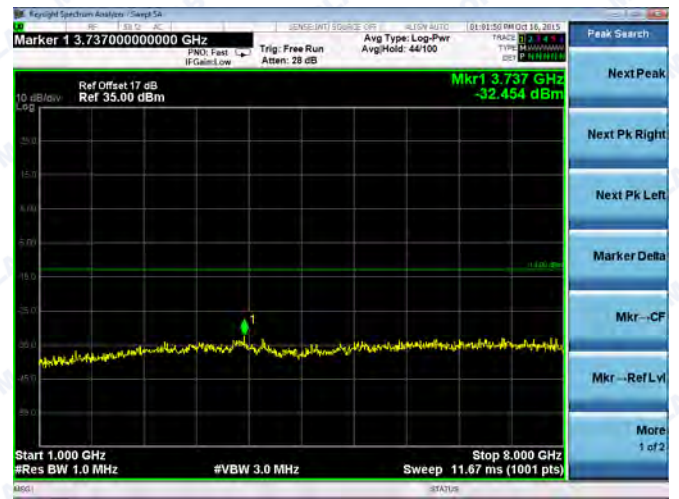
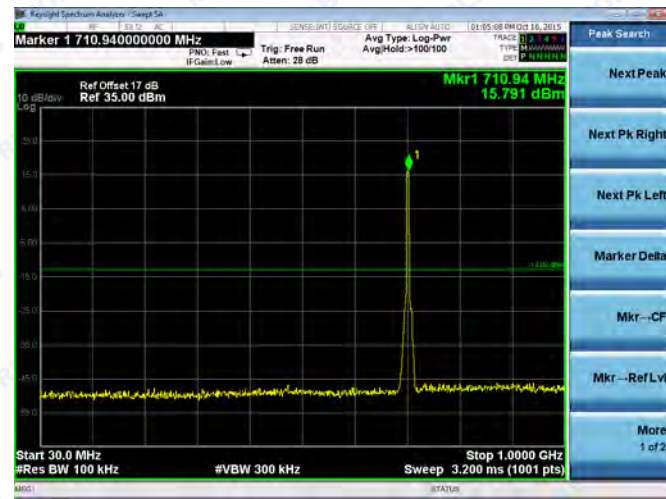


LTE Band 17 5MHz BW Mid Channel

QPSK



16QAM

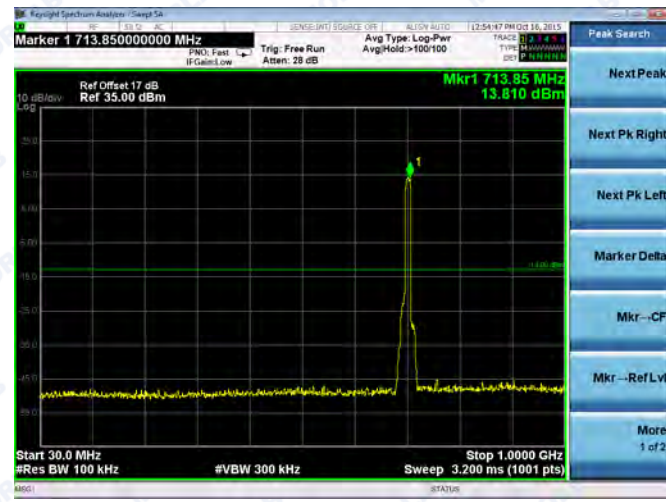




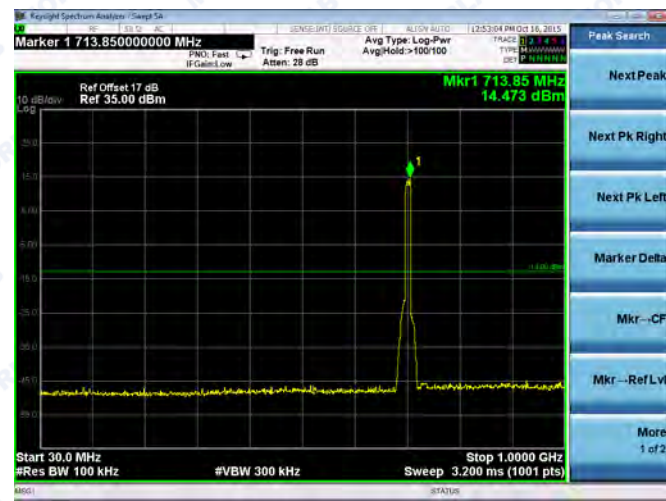


LTE Band 17 10MHz BW Mid Channel

QPSK



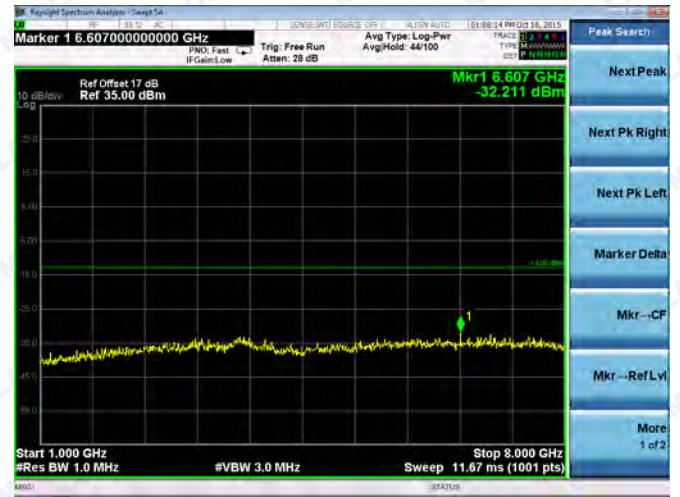
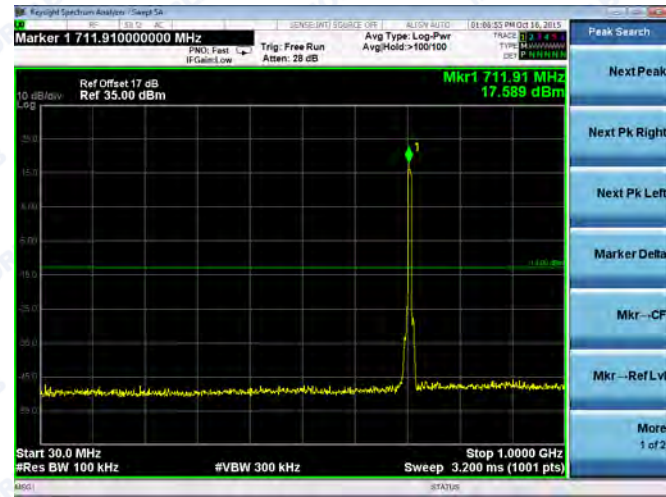
16QAM



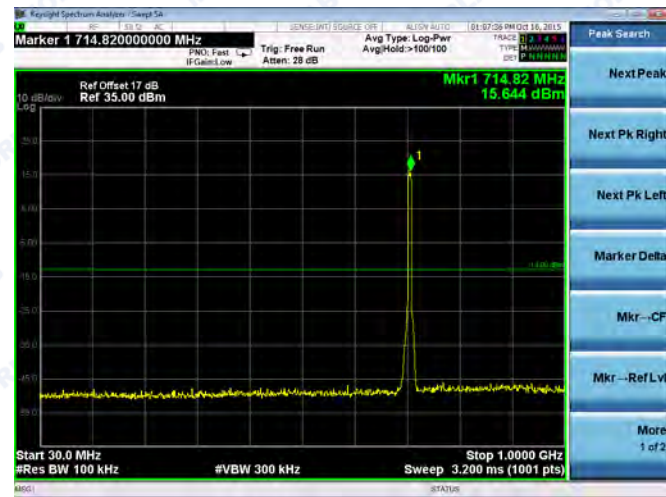


LTE Band 17 5MHz BW High Channel

QPSK



16QAM

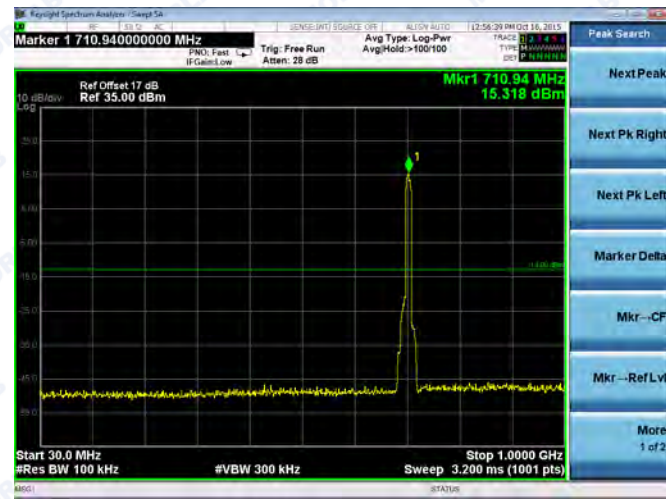




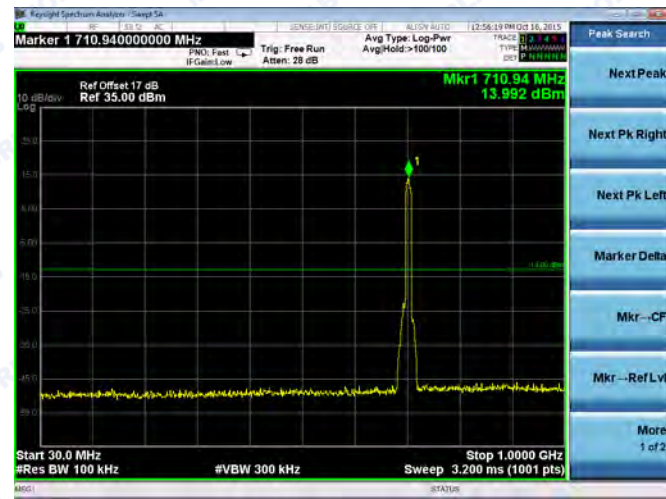


LTE Band 17 10MHz BW High Channel

QPSK



16QAM





## 2.6 Band Edge

### 2.6.1 Requirement

According to FCC section 27.53(g) (h), (g) For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log (P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) For operations in the 1710–1755 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log_{10}(P)$  dB.

According to FCC section 27.53(m) (4), (m) (4) For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees

### 2.6.2 Test Description

See section 2.1.2 of this report.

### 2.6.3 Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

PASS. See the attached plots.





LTE Band 2

Channel Bandwidth: 1.4MHz

Channel	18607	RB Size 1	RB Offset 0	Channel	18607	RB Size 6	RB Offset 0
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Channel Bandwidth: 1.4MHz

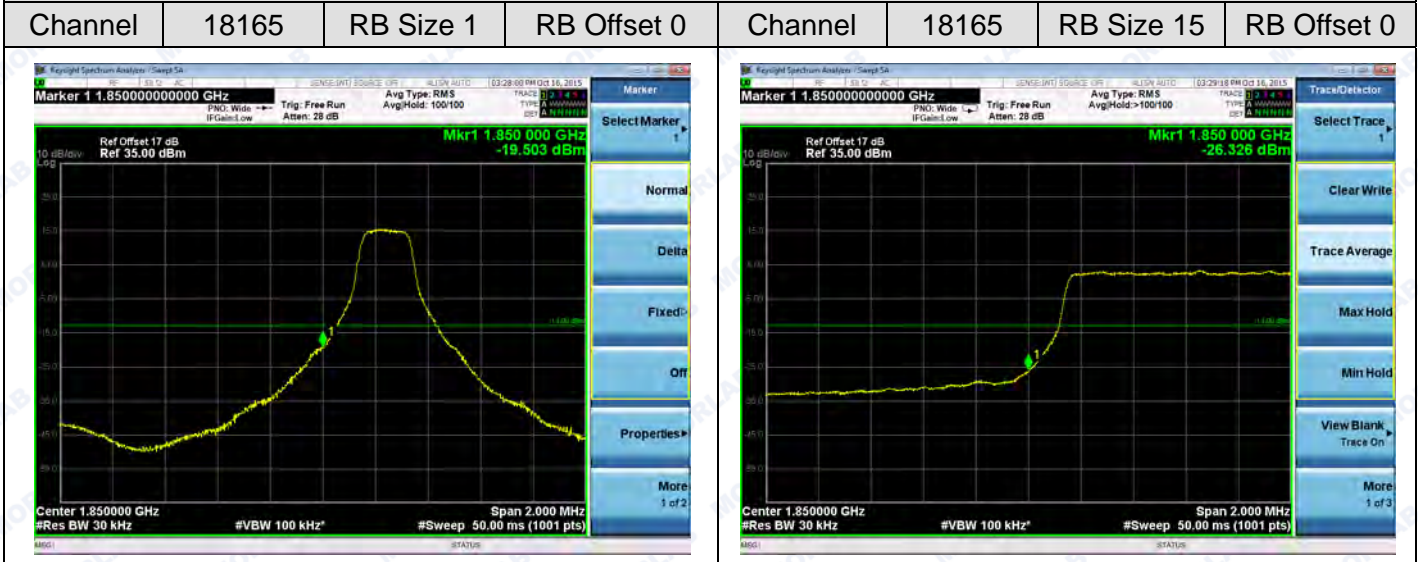
Channel	19192	RB Size 1	RB Offset 5	Channel	19192	RB Size 6	RB Offset 0
---------	-------	-----------	-------------	---------	-------	-----------	-------------



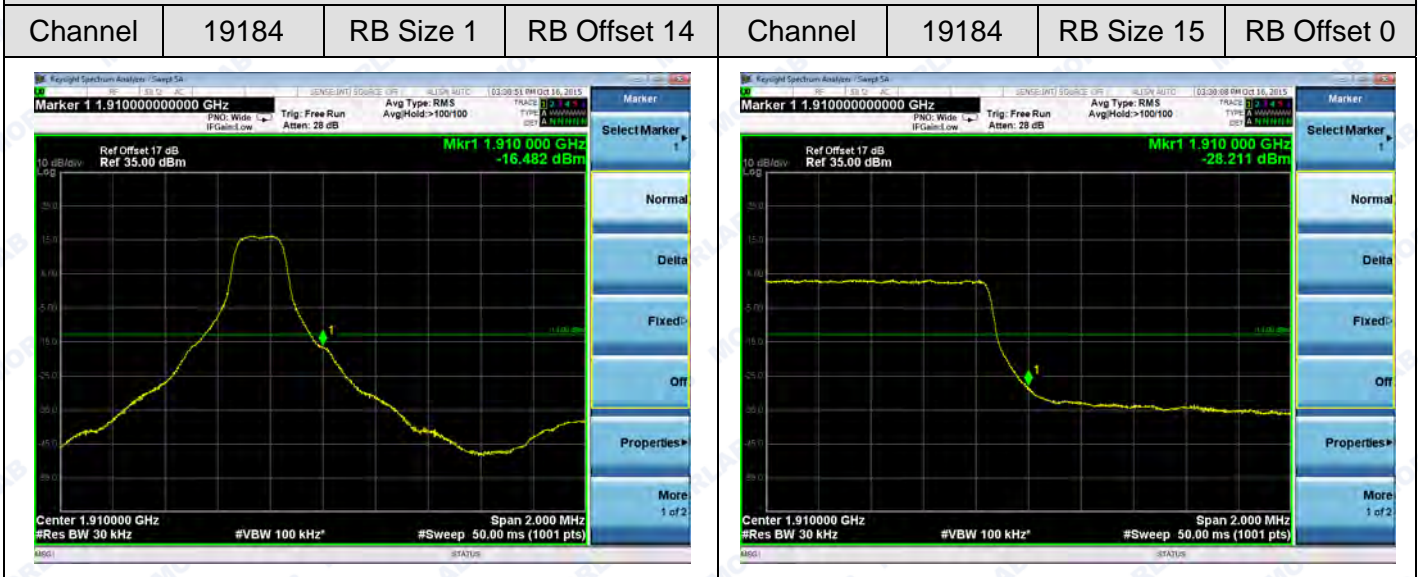


LTE Band 2

Channel Bandwidth: 3MHz



Channel Bandwidth: 3MHz

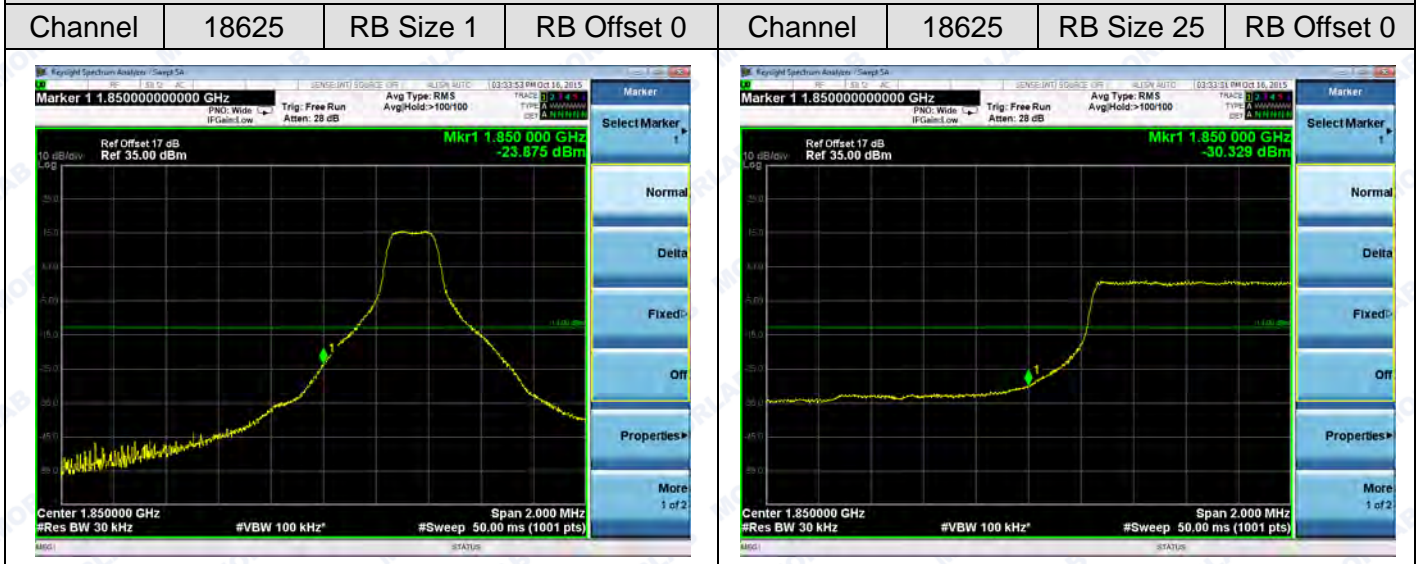




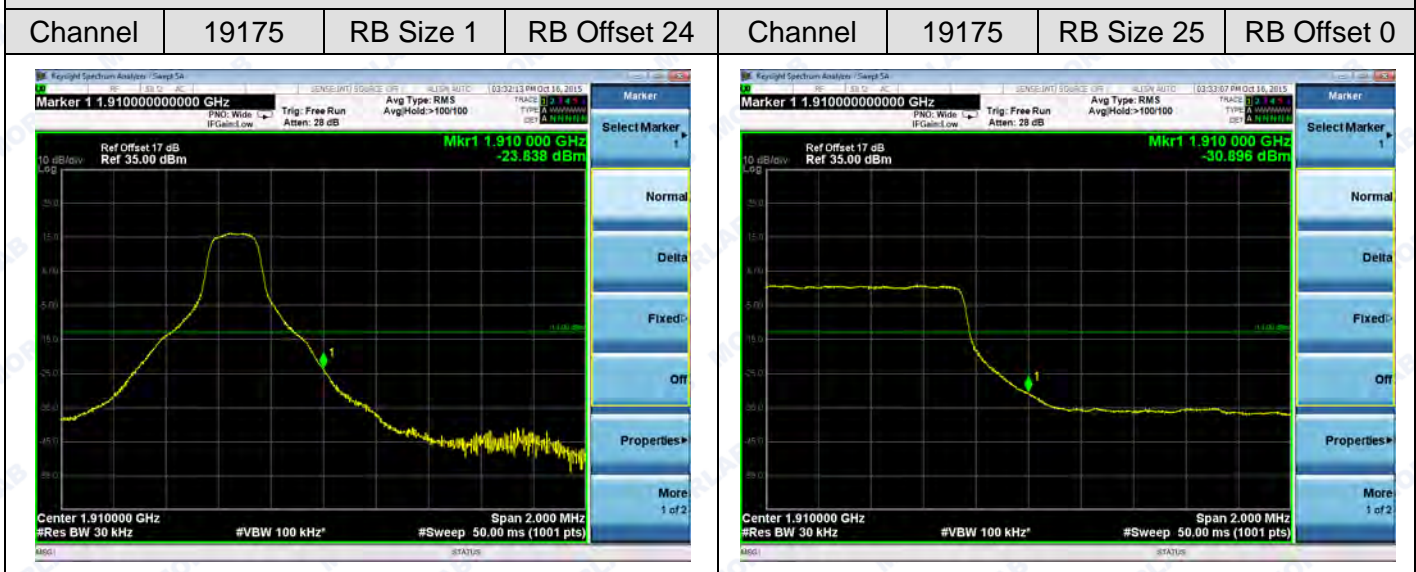


LTE Band 2

Channel Bandwidth: 5MHz



Channel Bandwidth: 5MHz





LTE Band 2

Channel Bandwidth: 10MHz

Channel	18650	RB Size 1	RB Offset 0	Channel	18650	RB Size 50	RB Offset 0
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Channel Bandwidth: 10MHz

Channel	19150	RB Size 1	RB Offset 49	Channel	19150	RB Size 50	RB Offset 0
---------	-------	-----------	--------------	---------	-------	------------	-------------

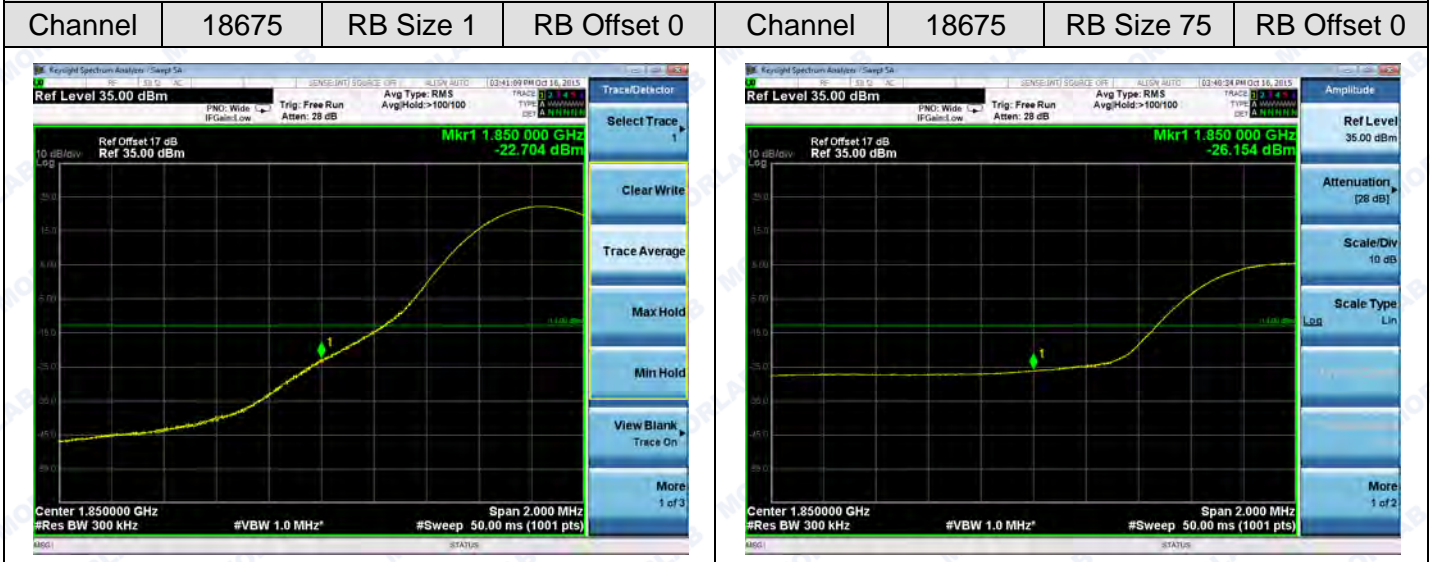




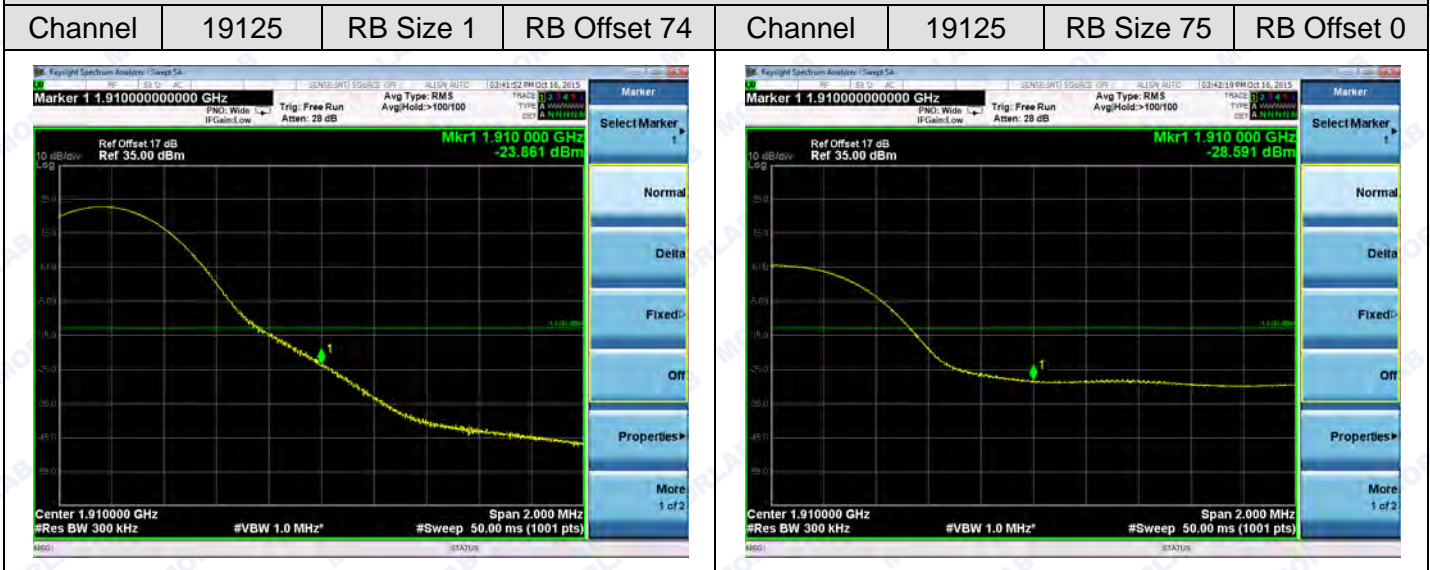


LTE Band 2

Channel Bandwidth: 15MHz



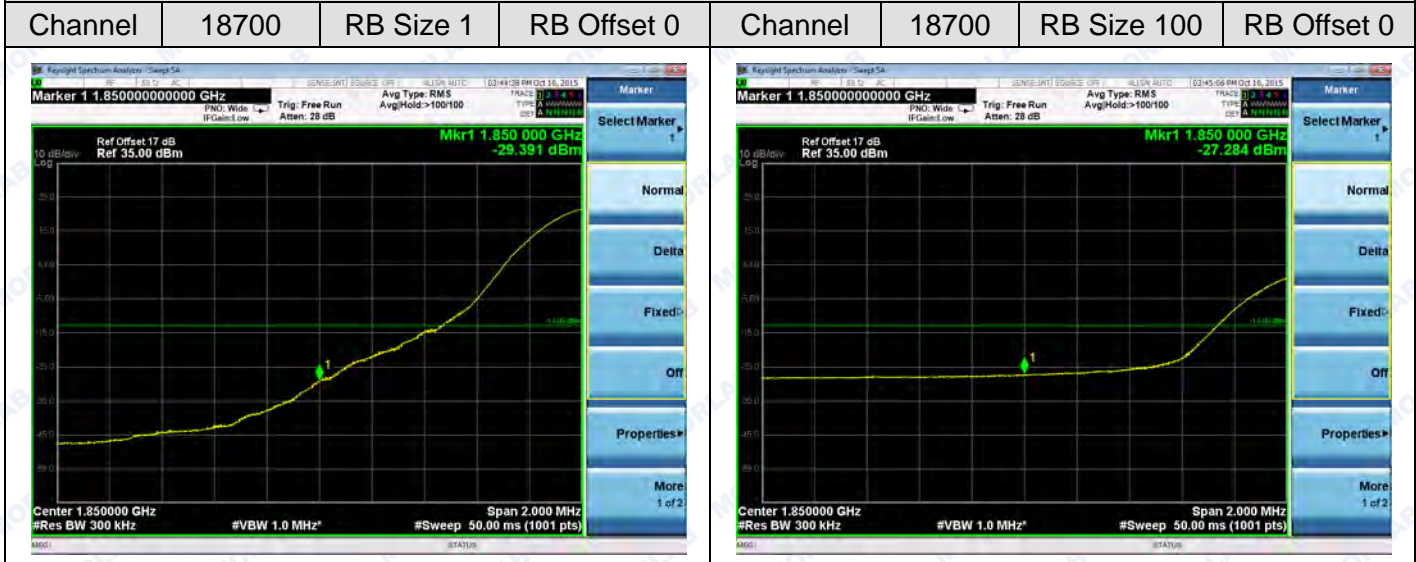
Channel Bandwidth: 15MHz



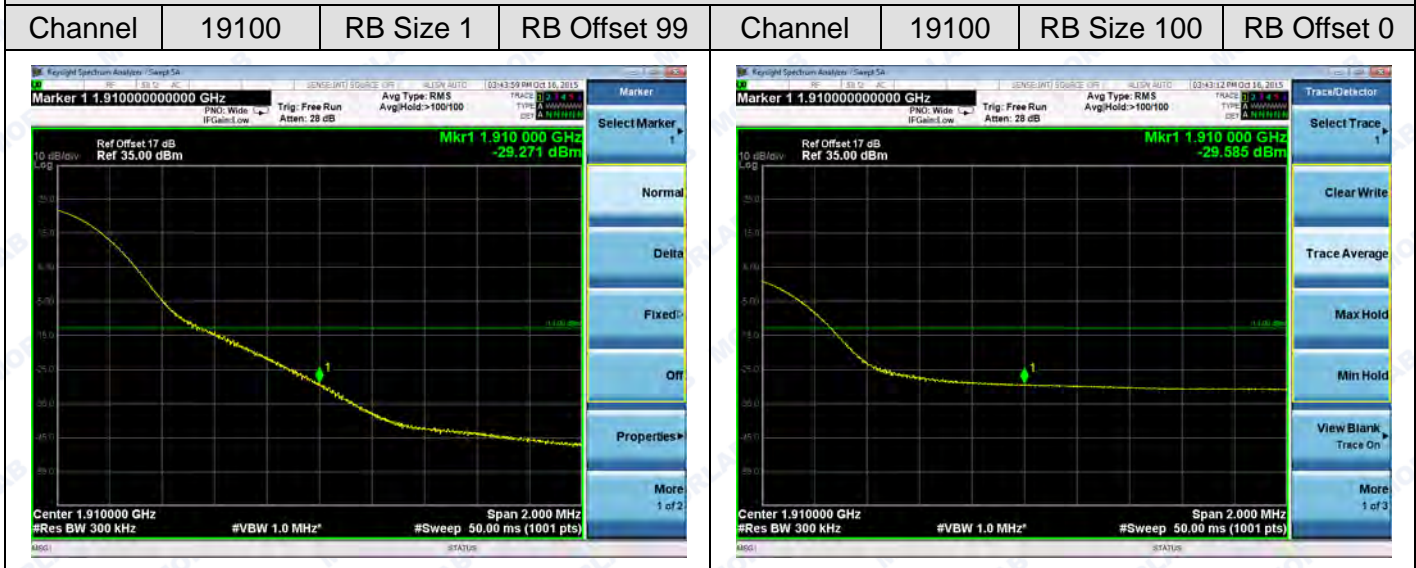


LTE Band 2

Channel Bandwidth: 20MHz



Channel Bandwidth: 20MHz



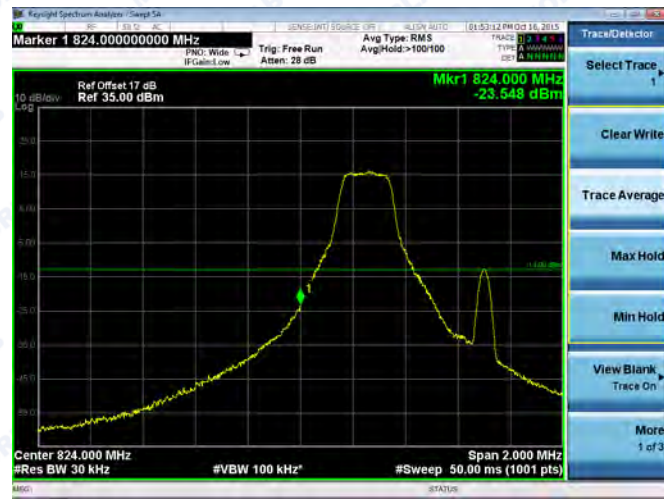




LTE Band 5

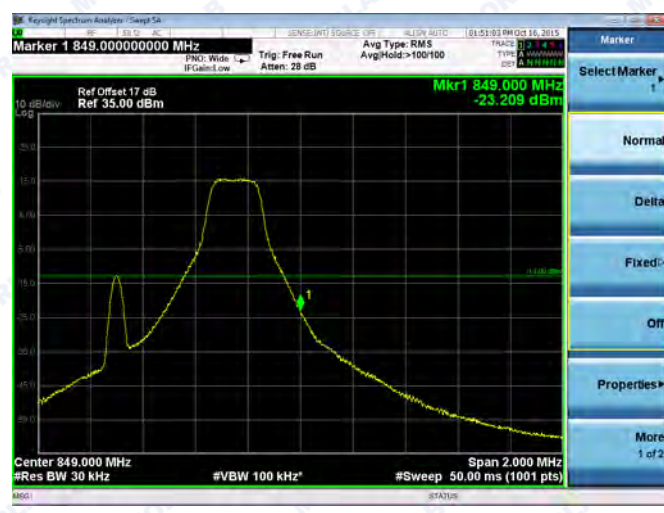
Channel Bandwidth: 1.4MHz

Channel	20407	RB Size 1	RB Offset 0	Channel	20407	RB Size 6	RB Offset 0
---------	-------	-----------	-------------	---------	-------	-----------	-------------



Channel Bandwidth: 1.4MHz

Channel	20642	RB Size 1	RB Offset 5	Channel	20642	RB Size 6	RB Offset 0
---------	-------	-----------	-------------	---------	-------	-----------	-------------

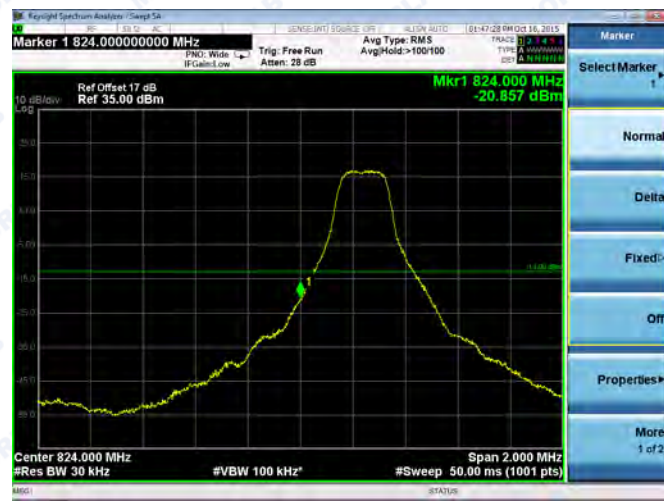




LTE Band 5

Channel Bandwidth: 3MHz

Channel	20415	RB Size 1	RB Offset 0	Channel	20415	RB Size 15	RB Offset 0
---------	-------	-----------	-------------	---------	-------	------------	-------------



Channel Bandwidth: 3MHz

Channel	20634	RB Size 1	RB Offset 14	Channel	20634	RB Size 15	RB Offset 0
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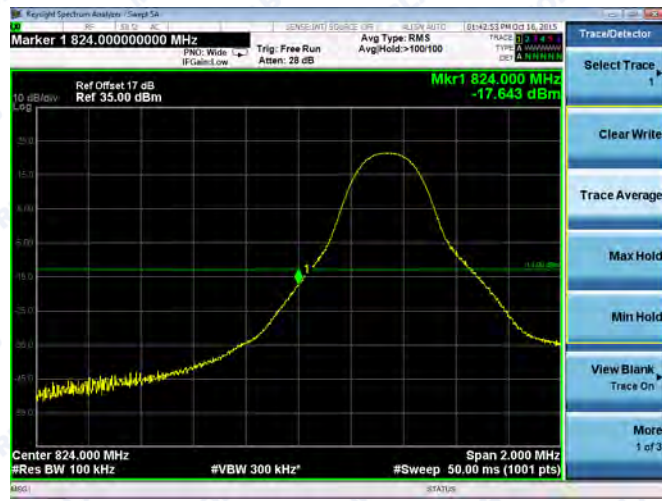




LTE Band 5

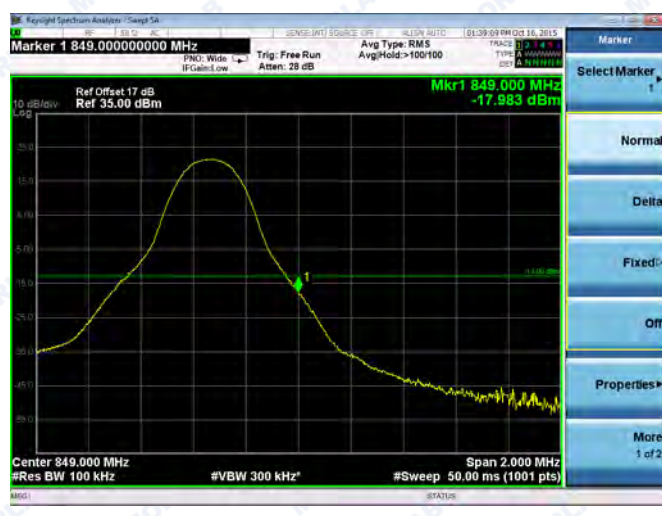
Channel Bandwidth: 5MHz

Channel	20425	RB Size 1	RB Offset 0	Channel	20425	RB Size 25	RB Offset 0
---------	-------	-----------	-------------	---------	-------	------------	-------------



Channel Bandwidth: 5MHz

Channel	20625	RB Size 1	RB Offset 24	Channel	20625	RB Size 25	RB Offset 0
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LTE Band 5

Channel Bandwidth: 10MHz

Channel	20450	RB Size 1	RB Offset 0	Channel	20450	RB Size 50	RB Offset 0
---------	-------	-----------	-------------	---------	-------	------------	-------------

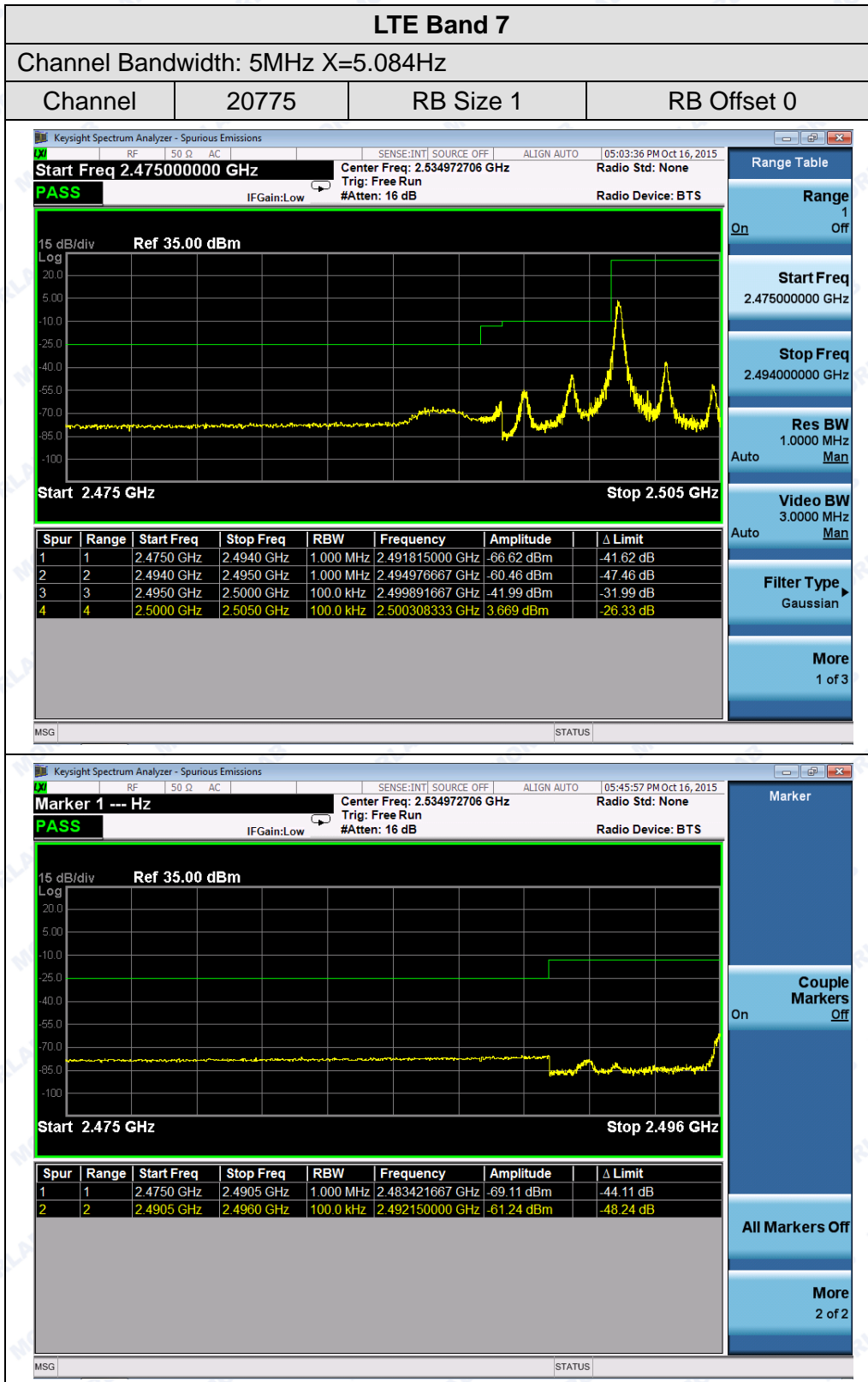


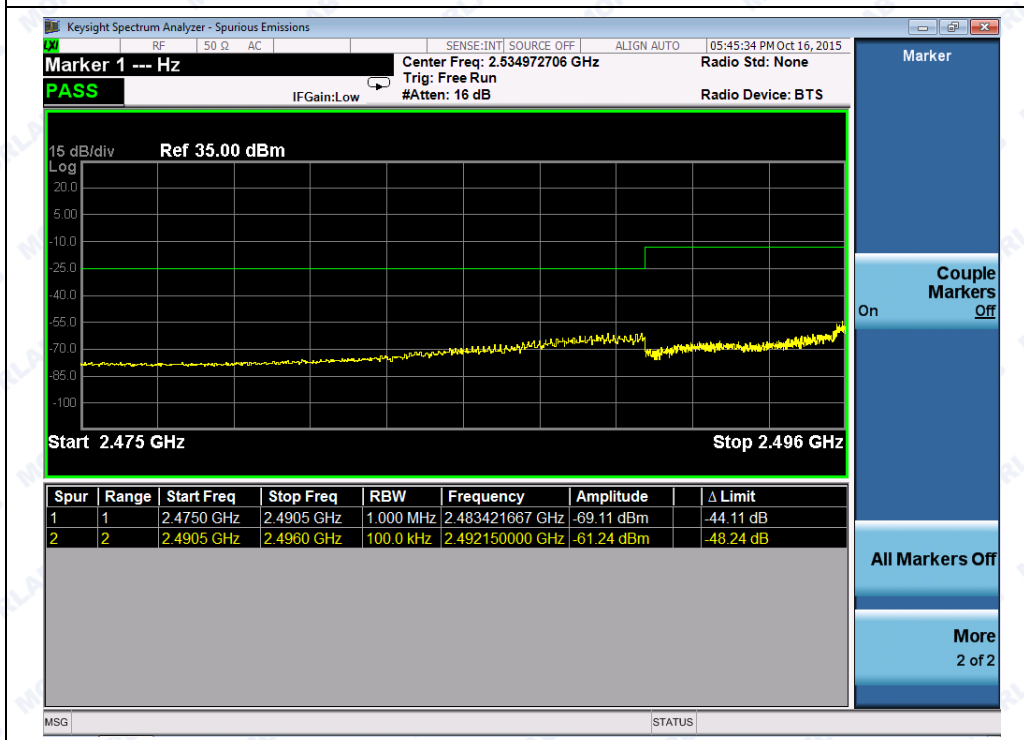
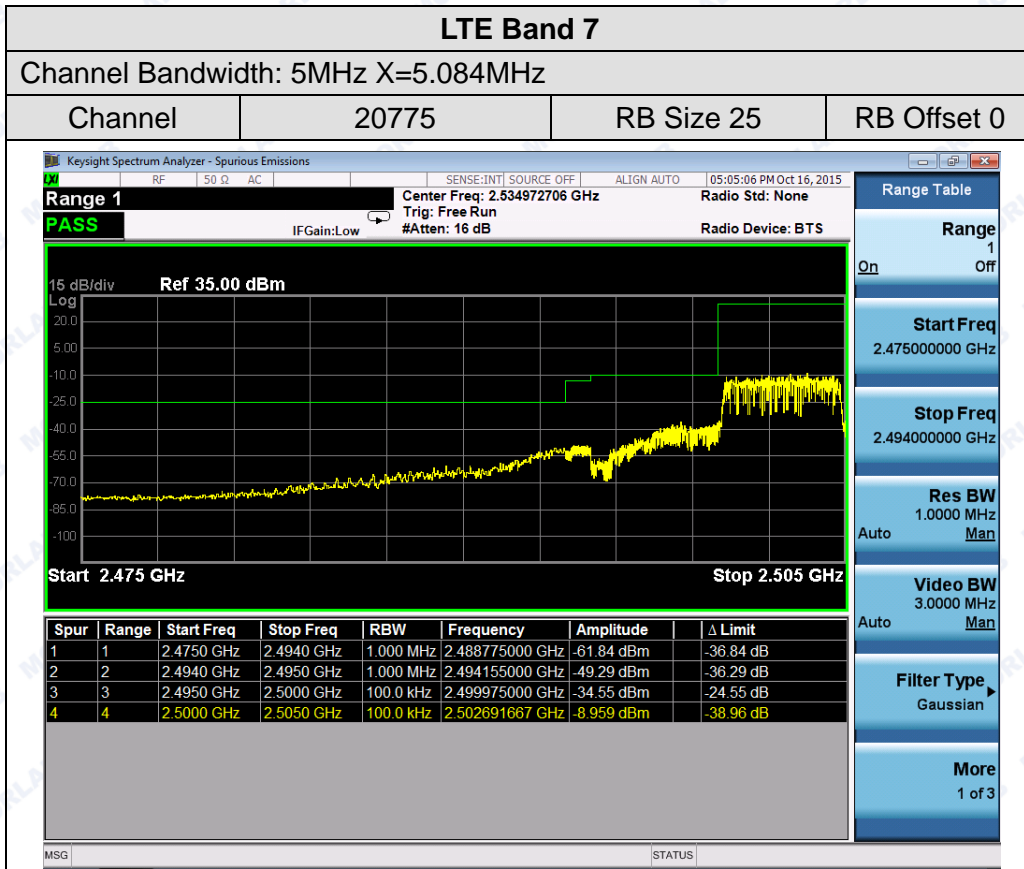
Channel Bandwidth: 10MHz

Channel	20600	RB Size 1	RB Offset 49	Channel	20600	RB Size 50	RB Offset 0
---------	-------	-----------	--------------	---------	-------	------------	-------------

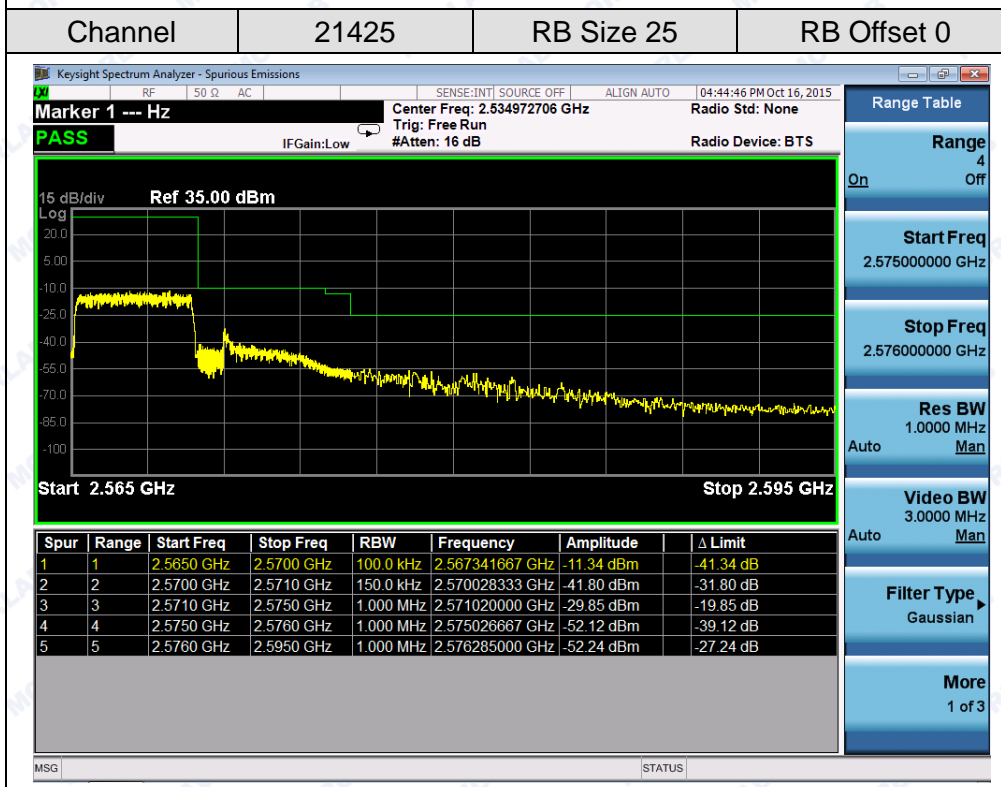
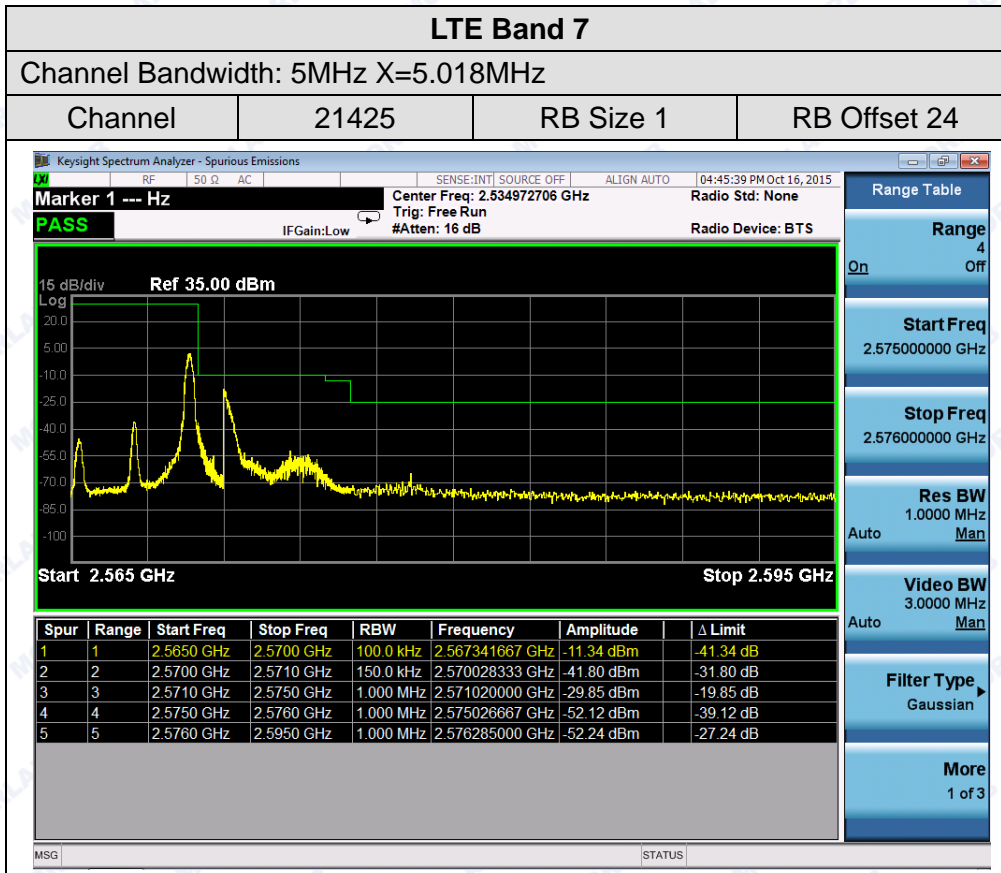


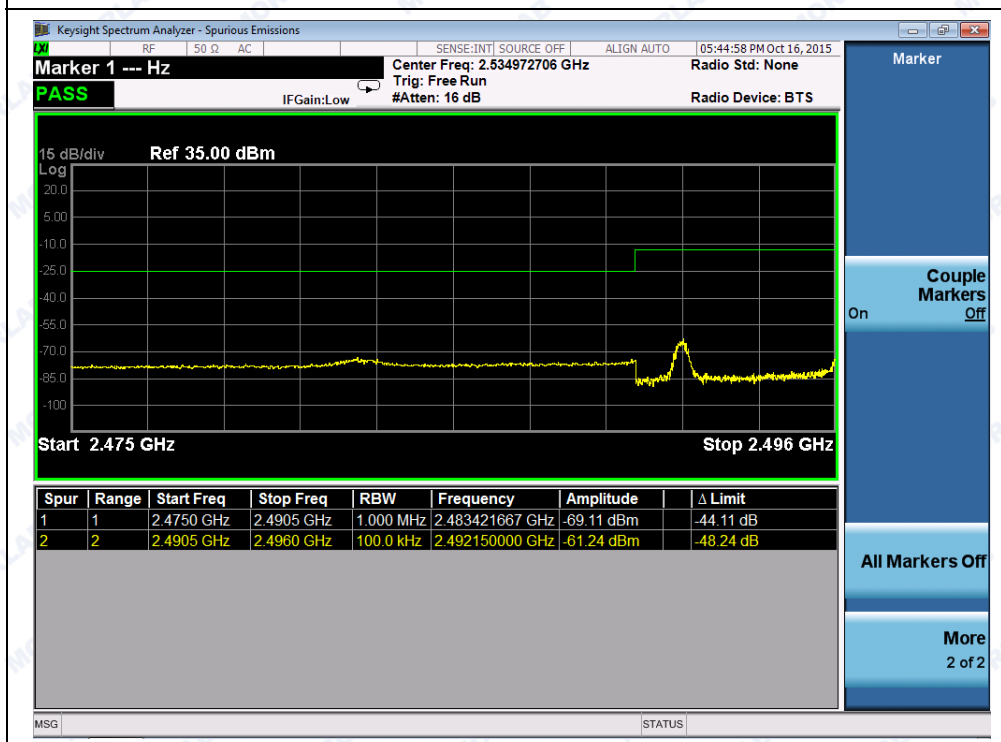
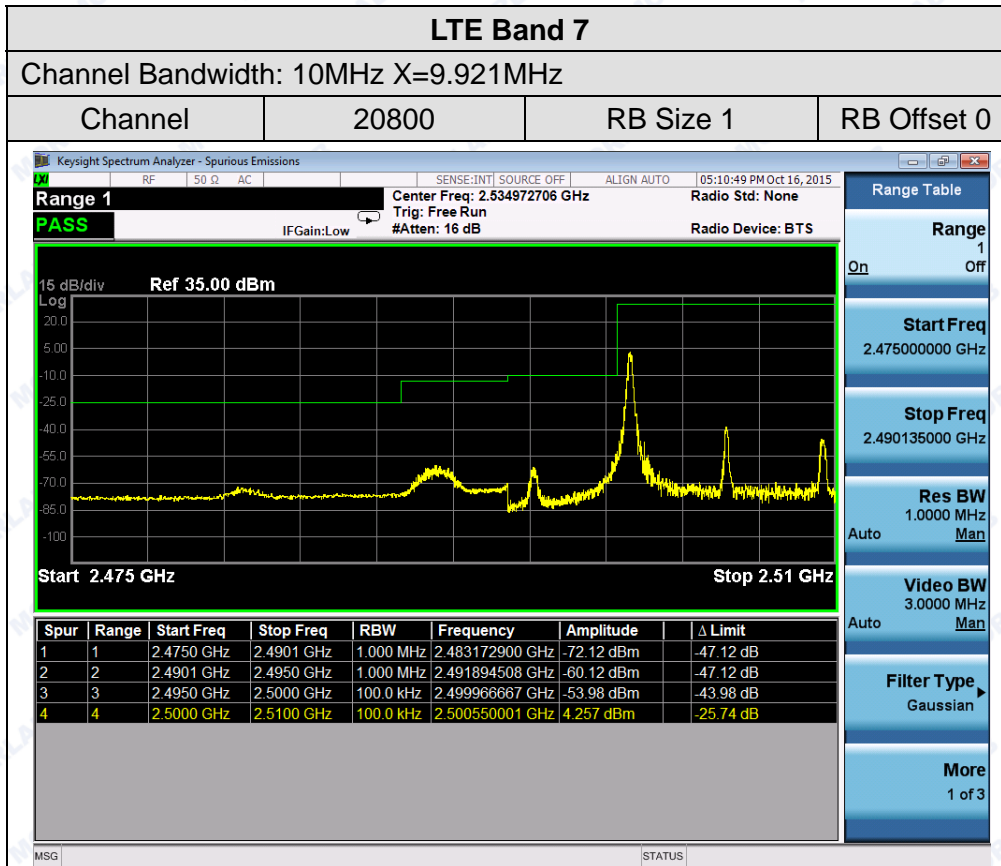






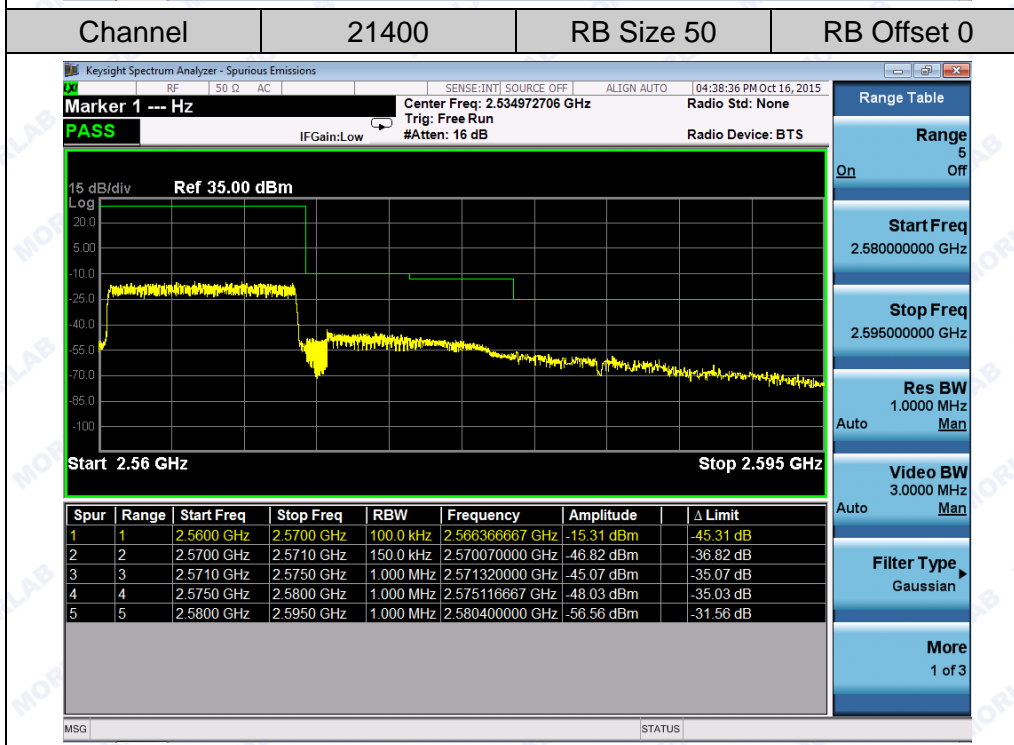
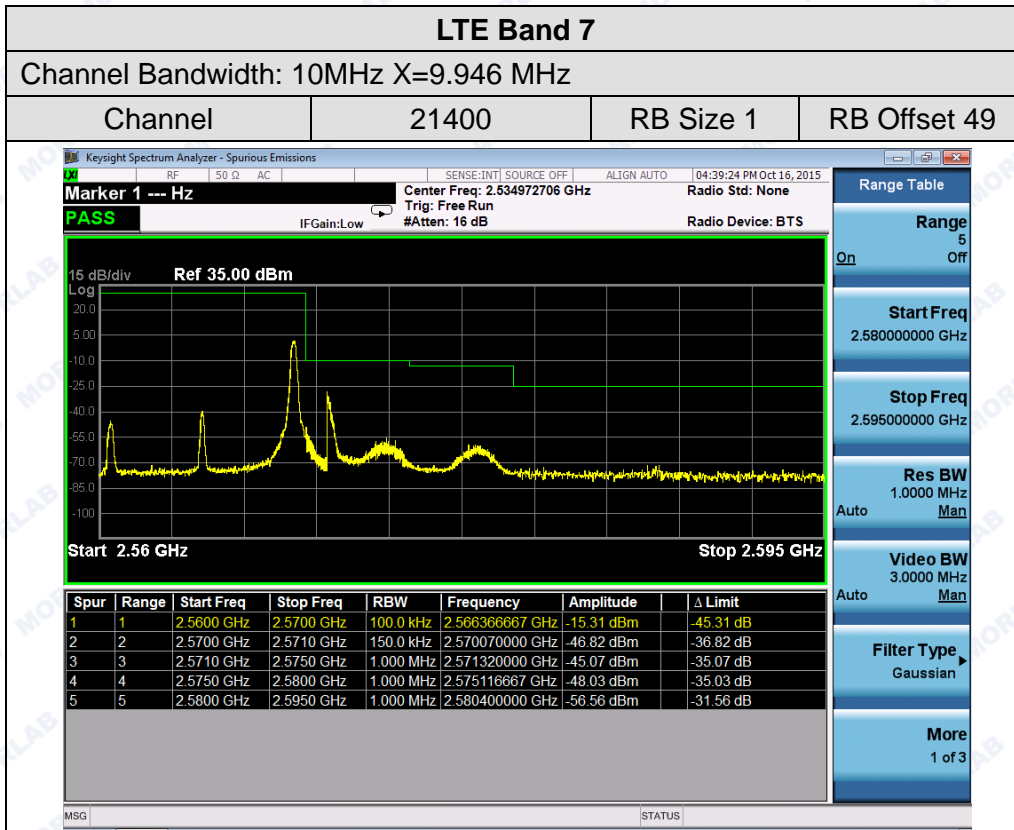




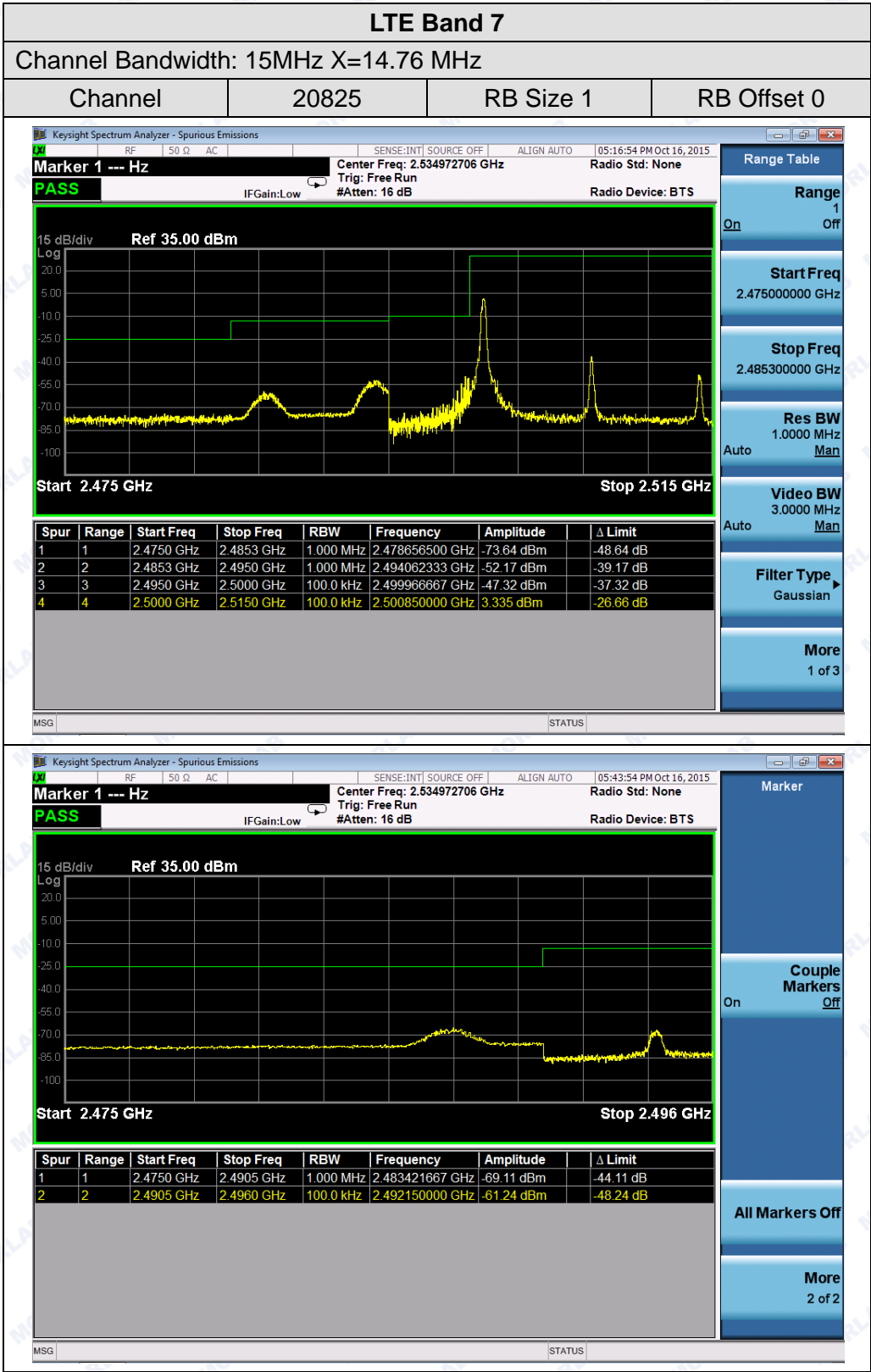














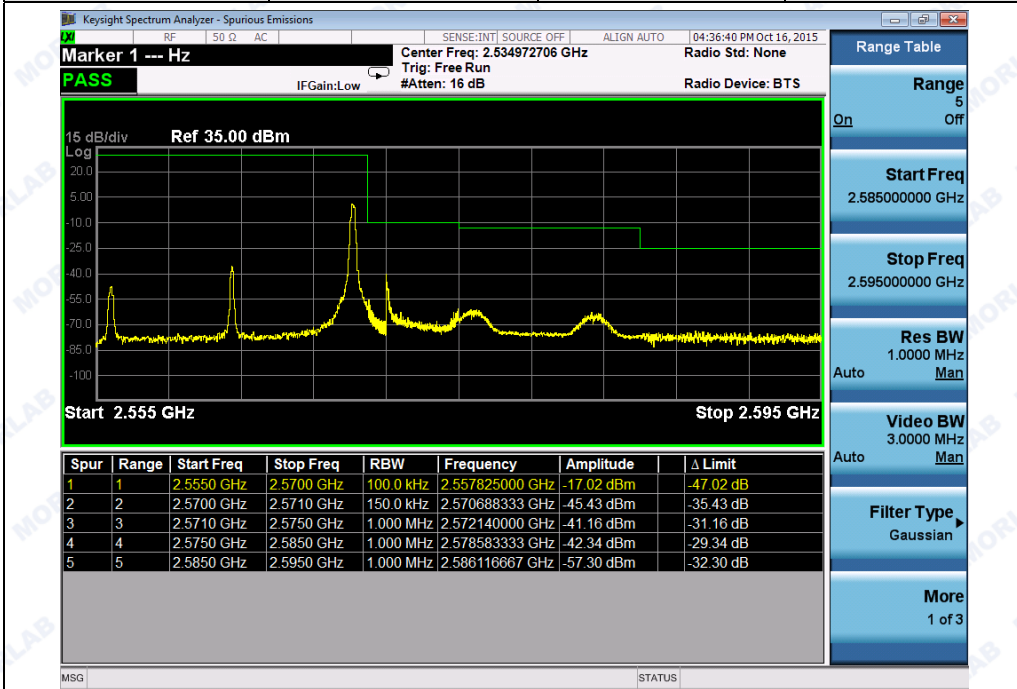




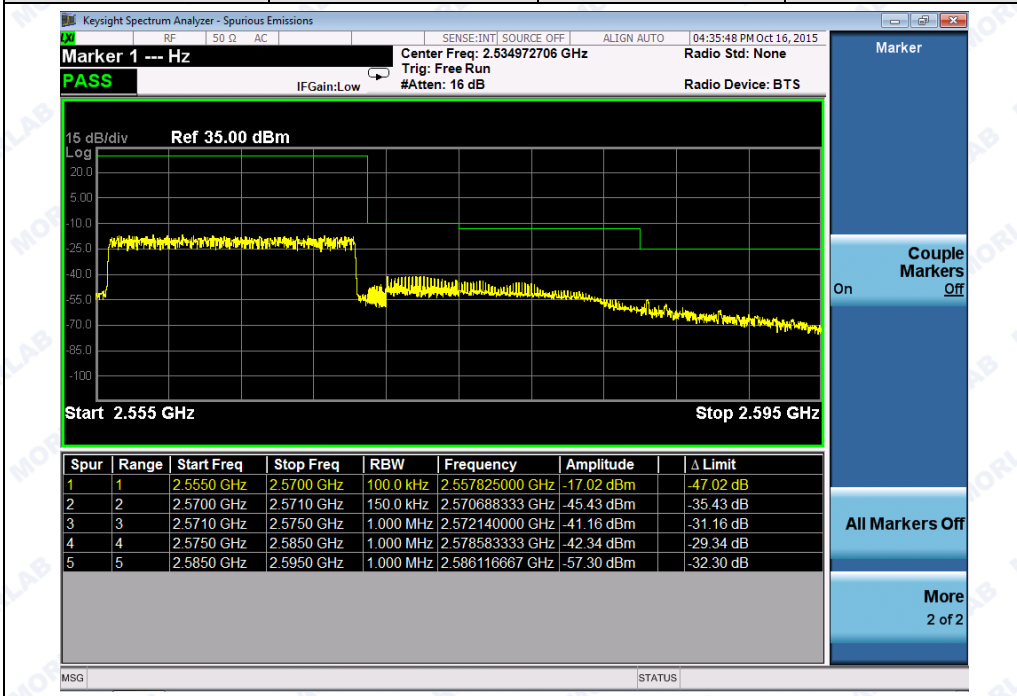
**LTE Band 7**

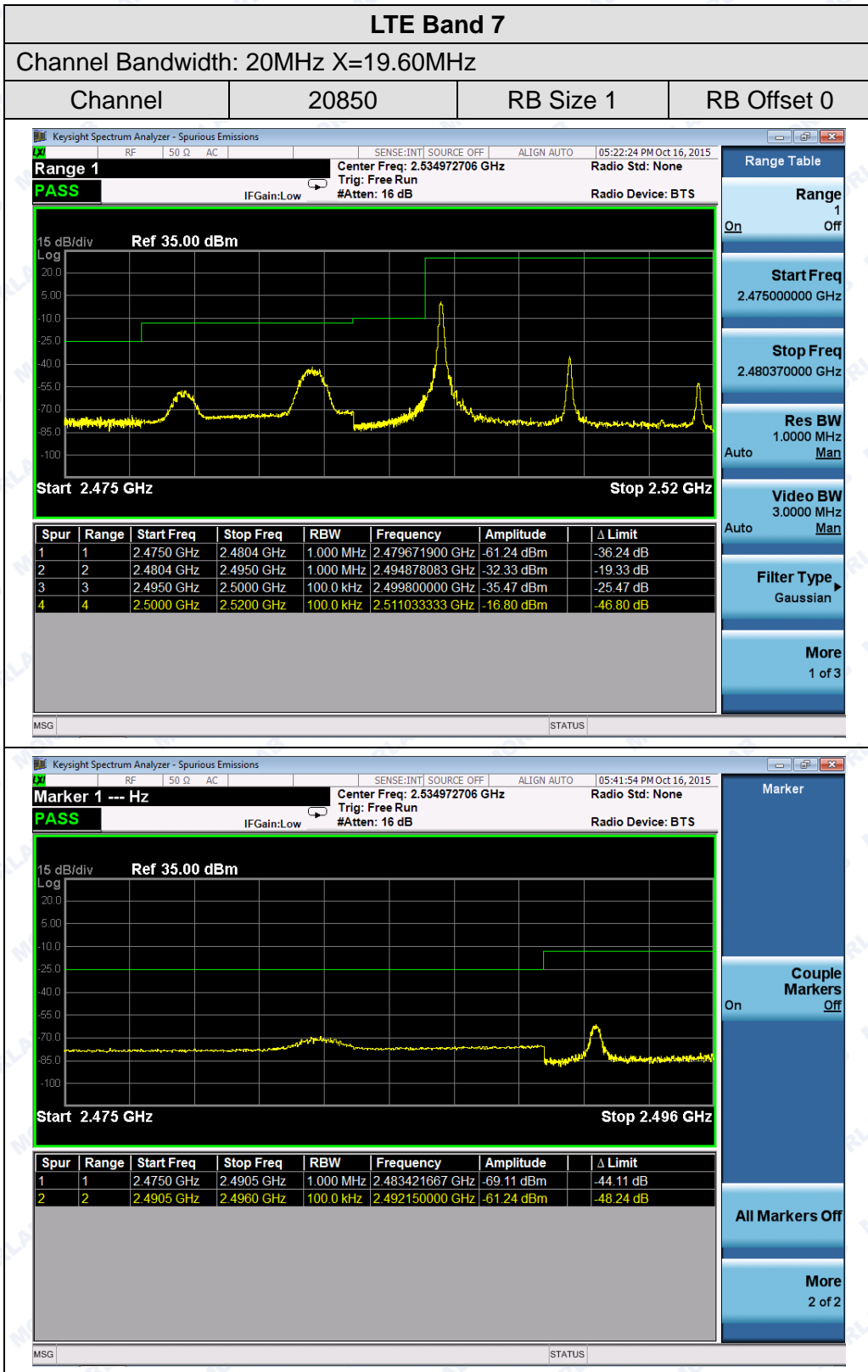
Channel Bandwidth: 15MHz X=14.75MHz

Channel	21375	RB Size 1	RB Offset 74
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Channel	21375	RB Size 75	RB Offset 0
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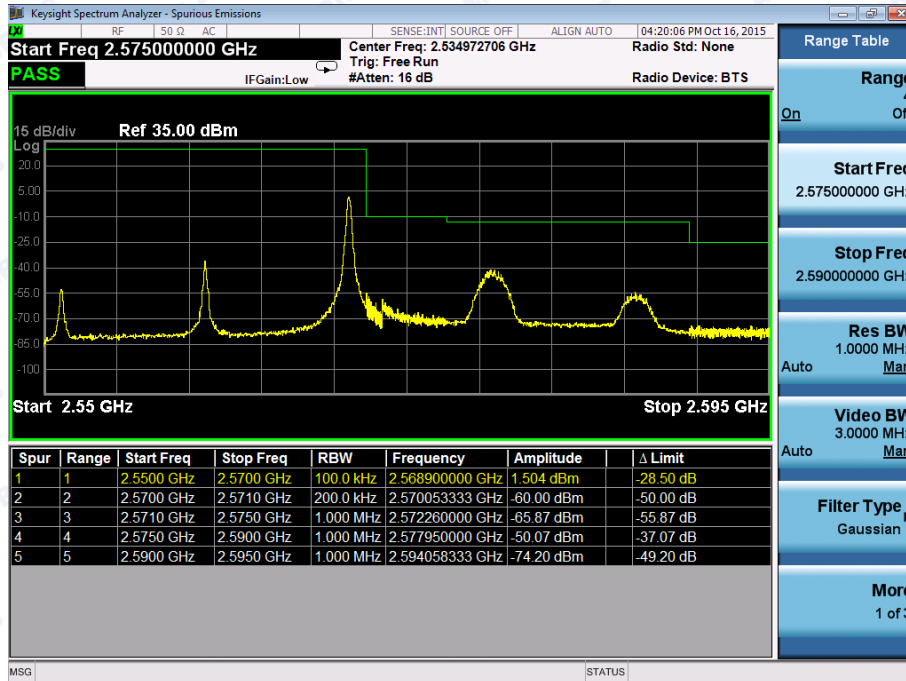




**LTE Band 7**

Channel Bandwidth: 20MHz X=19.77MHz

Channel	21350	RB Size 1	RB Offset 99
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Channel	21350	RB Size 100	RB Offset 0
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