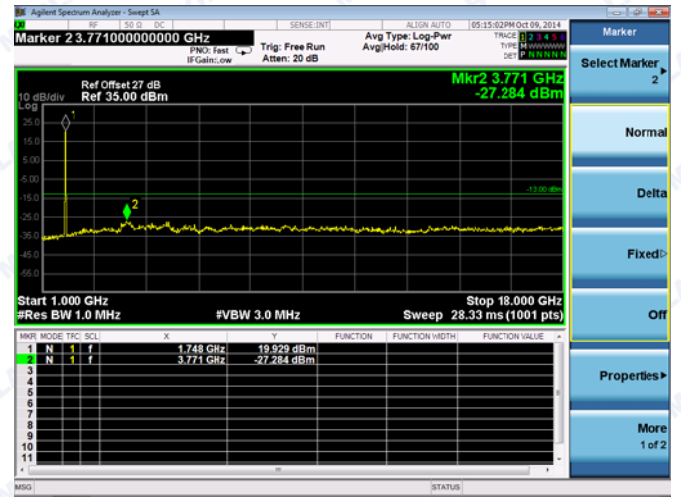
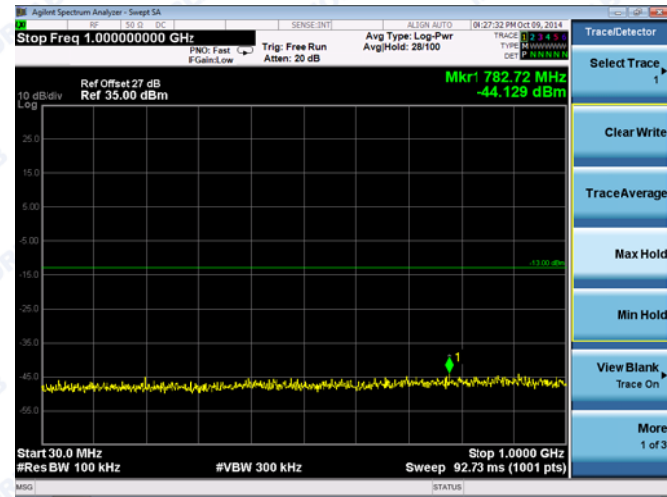
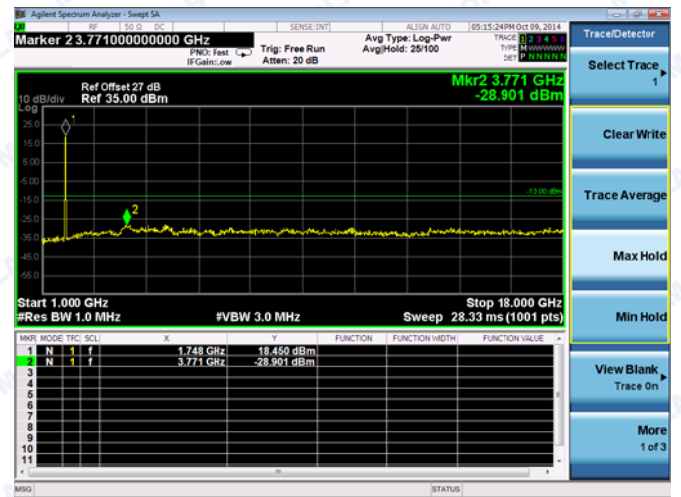
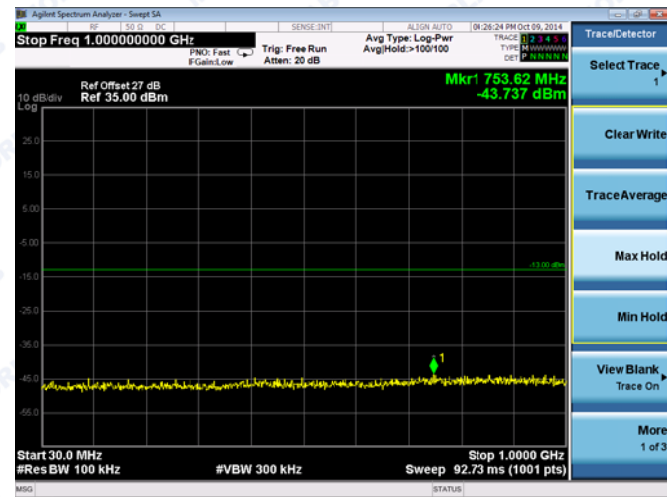


LTE Band 4 10MHz BW, High Channel

QPSK

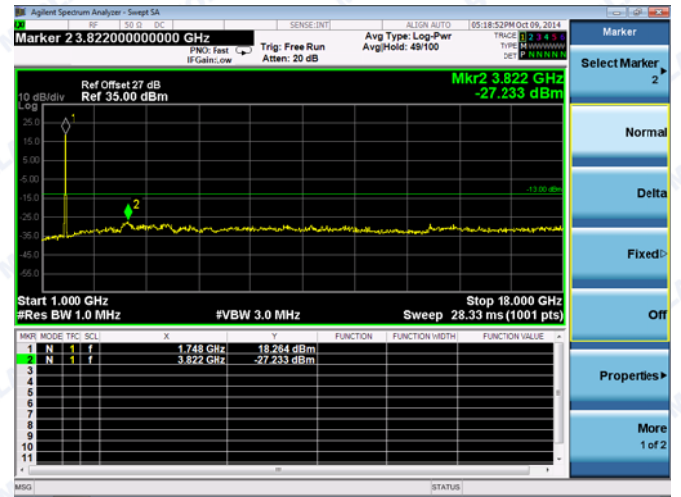
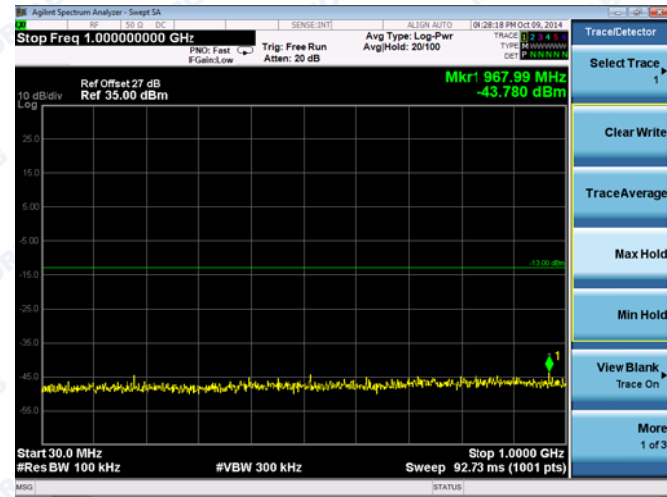


16QAM

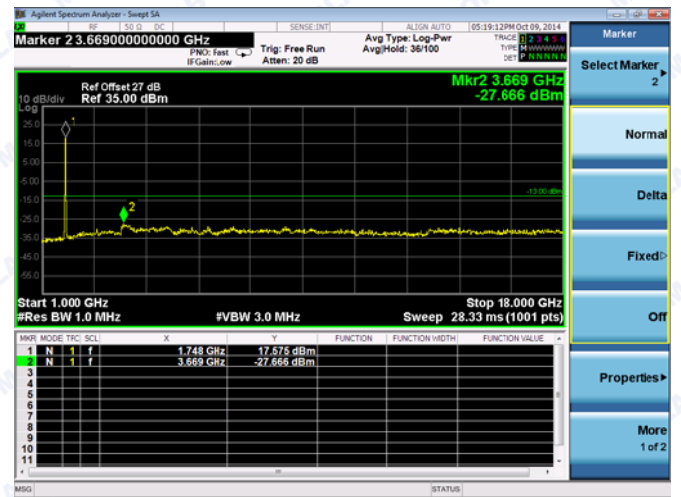
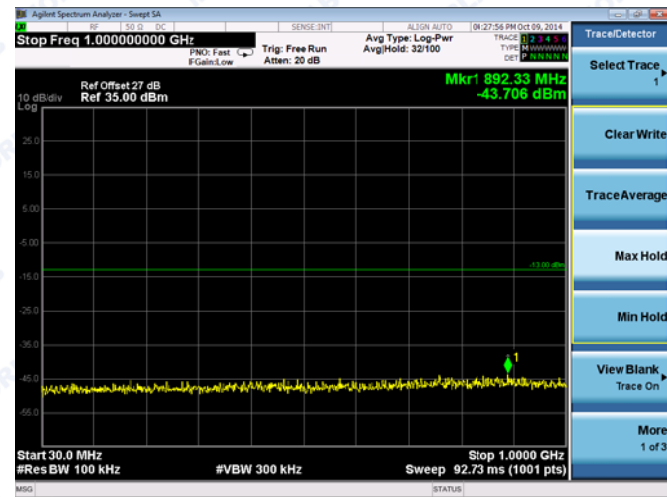


LTE Band 4 15MHz BW, High Channel

QPSK

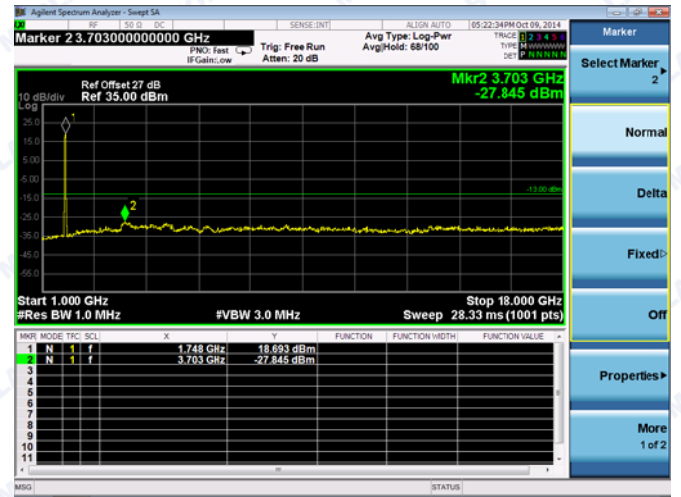
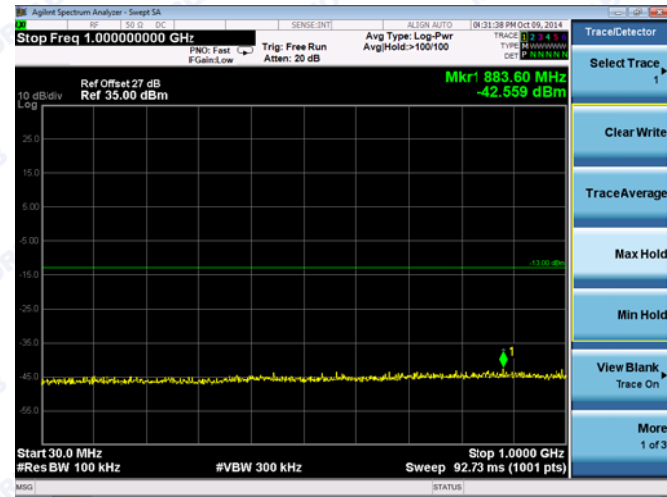


16QAM

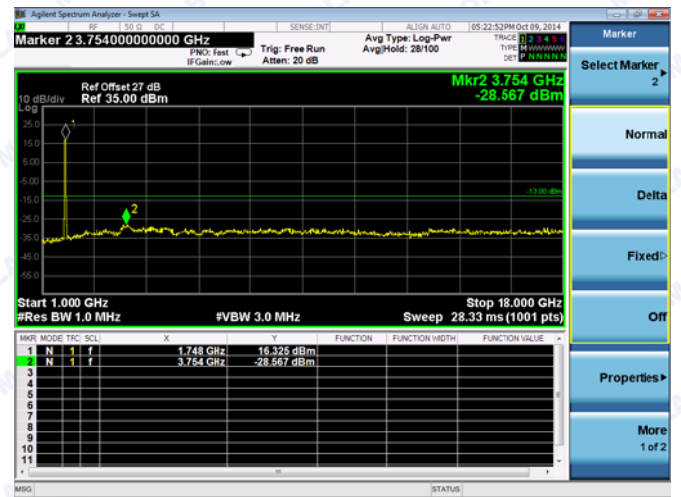
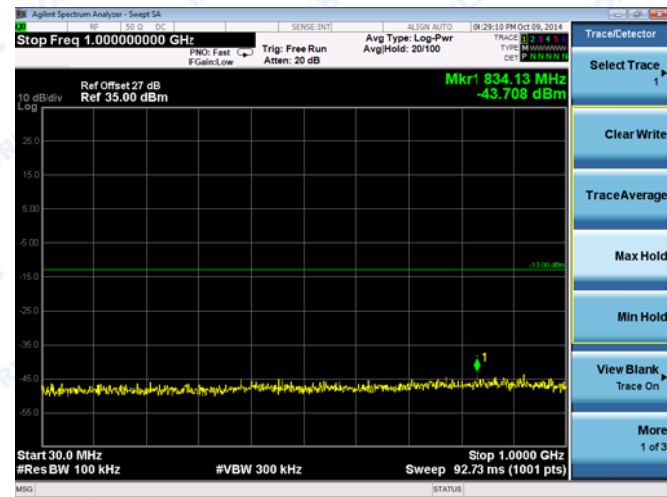


LTE Band 4 20MHz BW, High Channel

QPSK



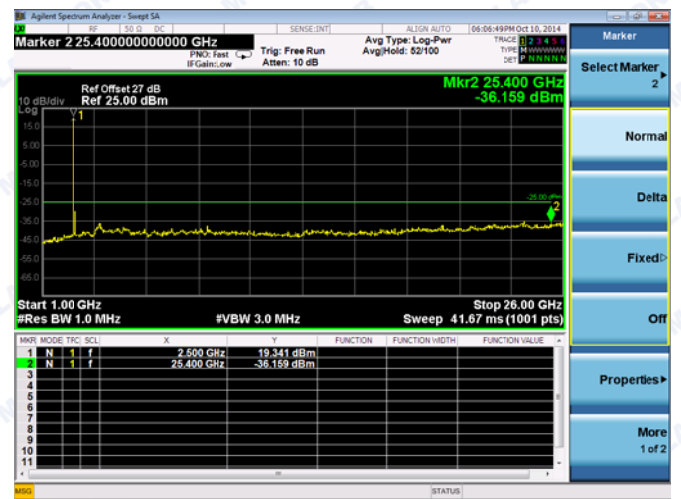
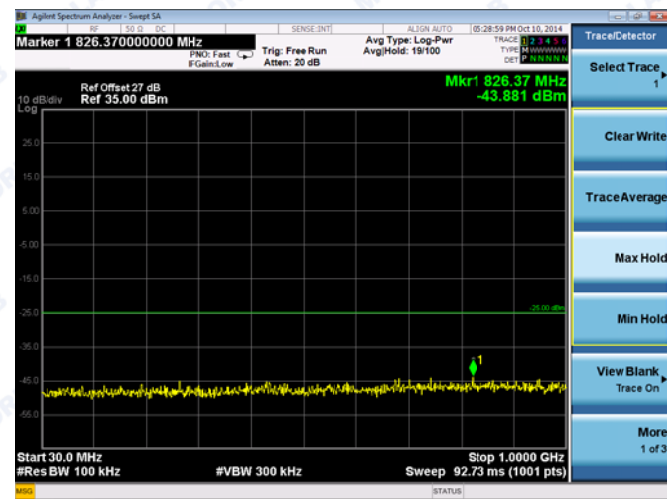
16QAM



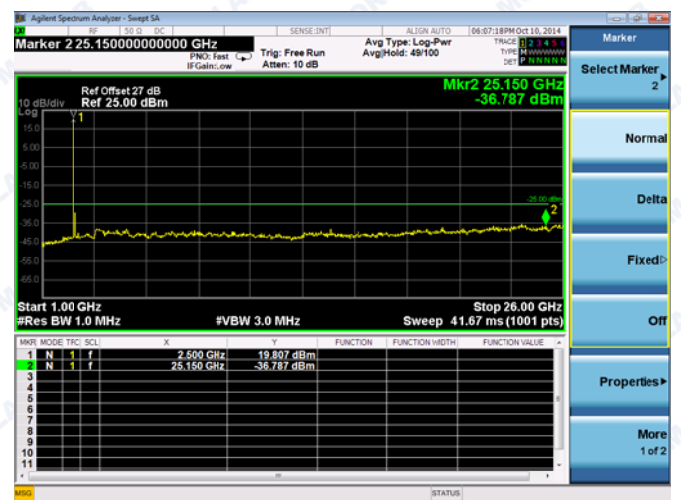
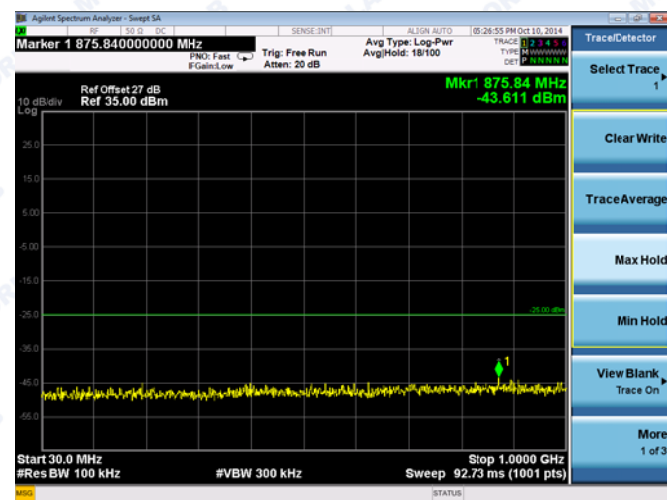
LTE Band 7
Low channel:

LTE Band 7 5MHz BW, Low Channel

QPSK

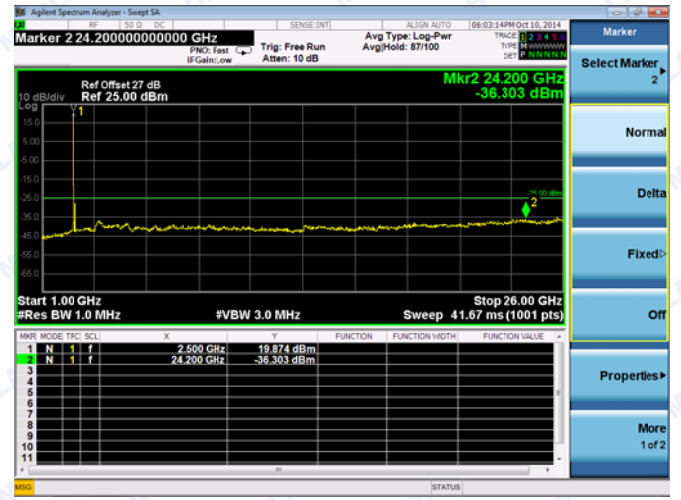
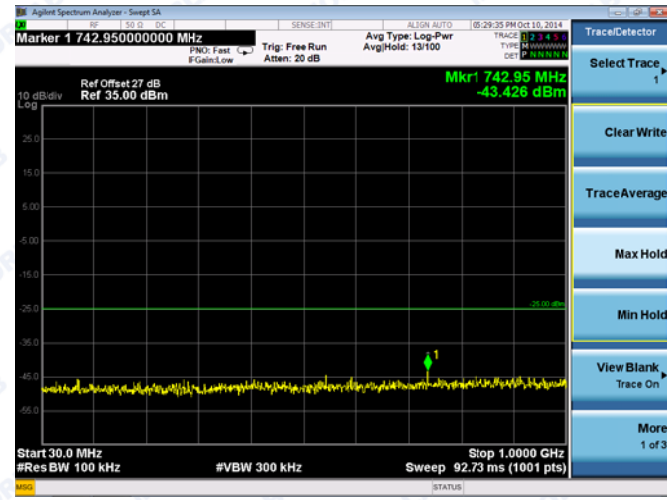


16QAM

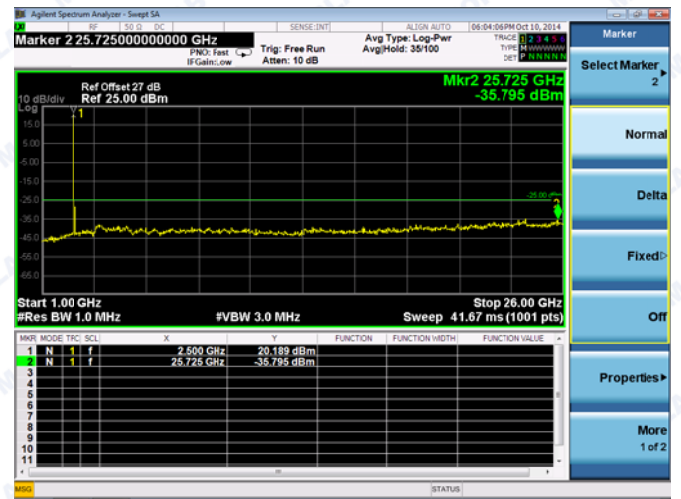
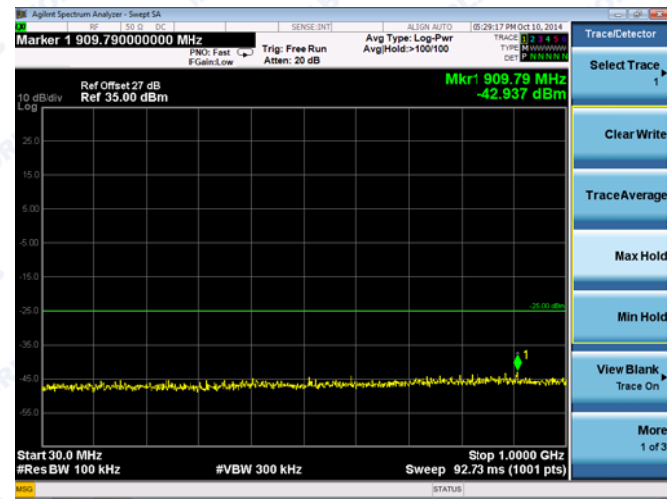


LTE Band 7 10MHz BW, Low Channel

QPSK

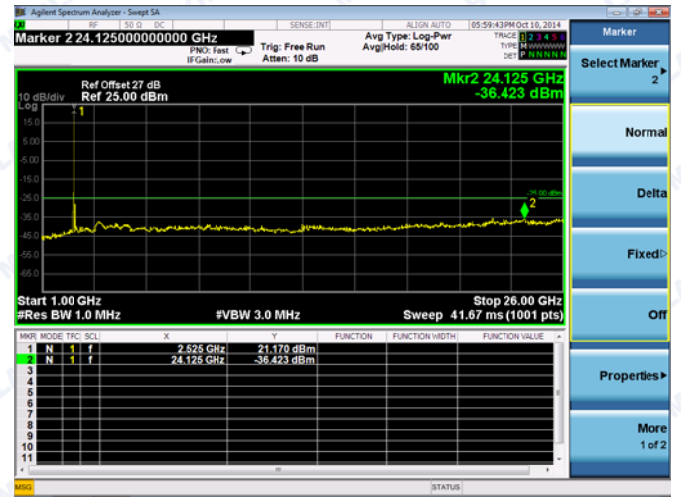
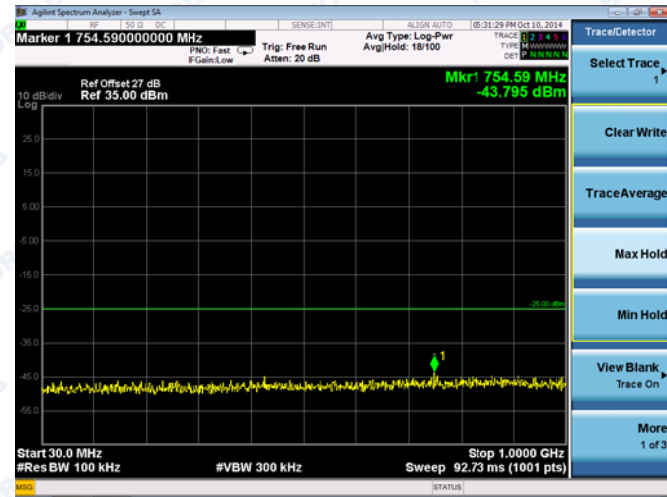


16QAM

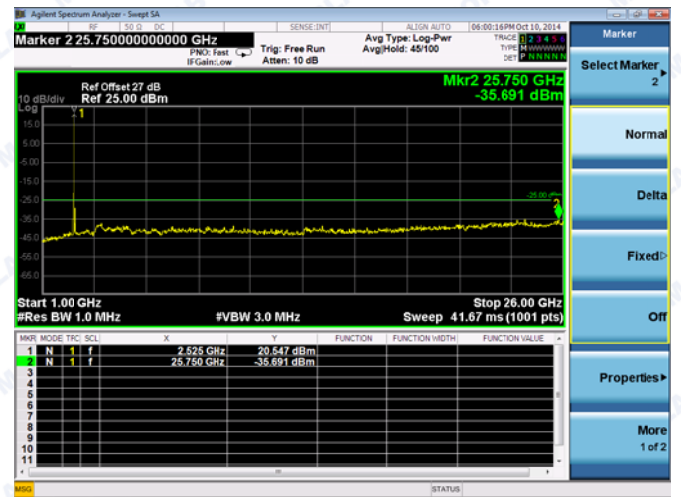
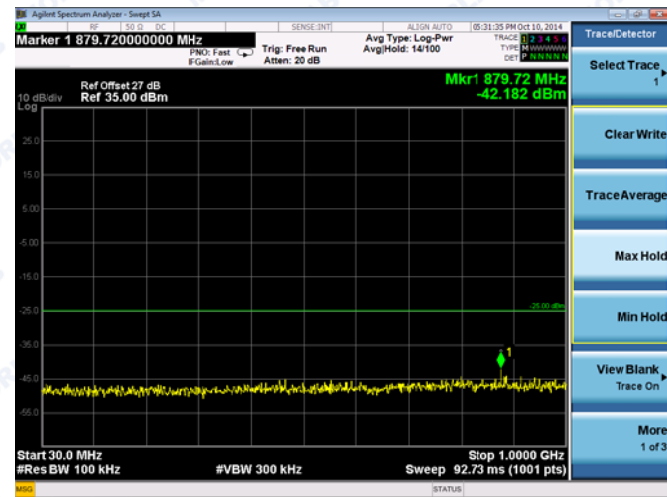


LTE Band 7 15MHz BW, Low Channel

QPSK

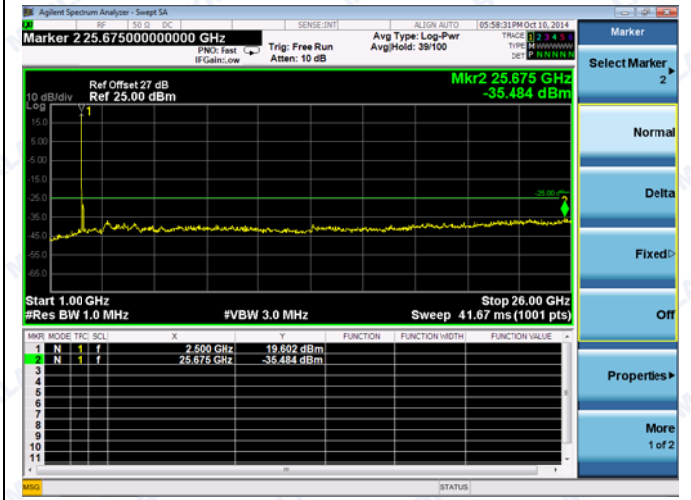
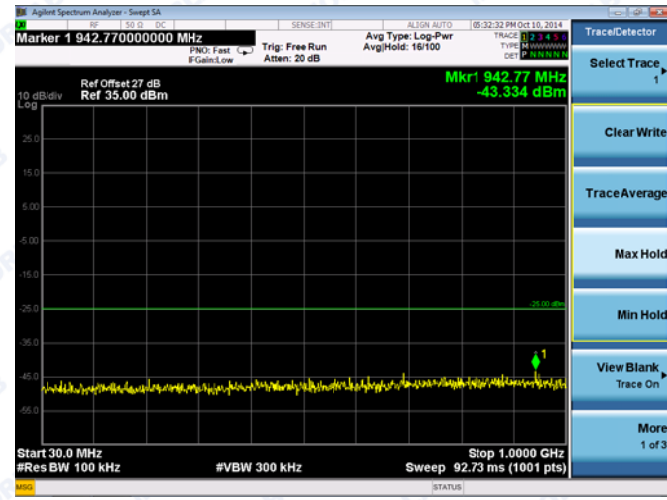


16QAM

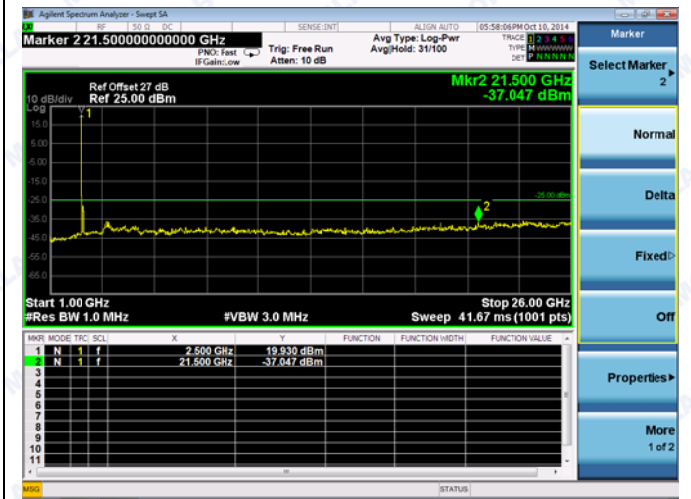
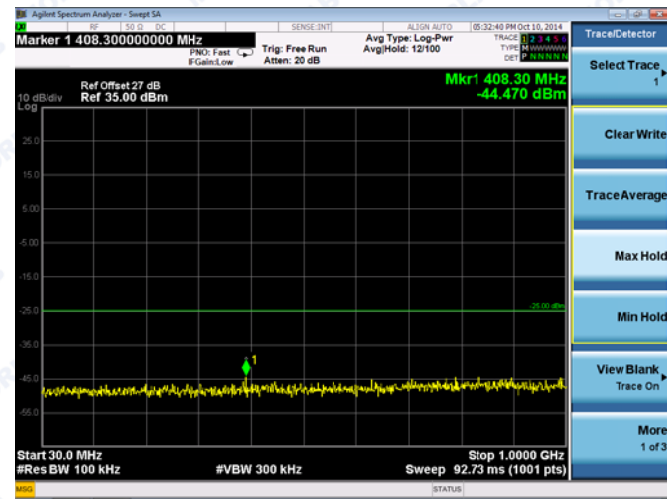


LTE Band 7 20MHz BW, Low Channel

QPSK



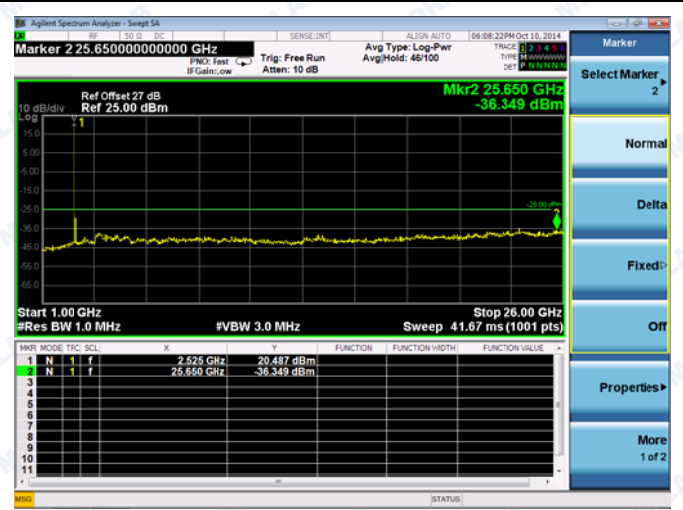
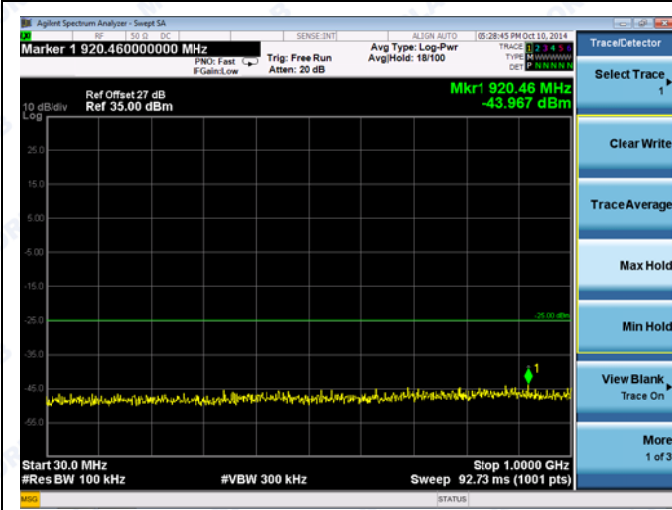
16QAM



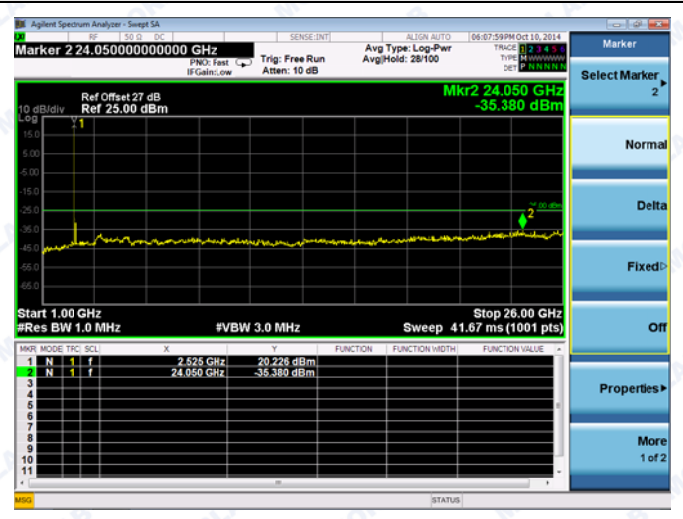
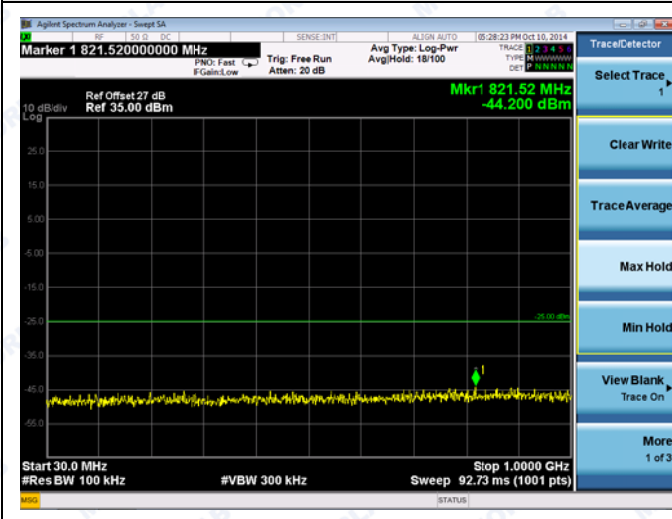
Middle channel:

LTE Band 7 5MHz BW, Mid Channel

QPSK

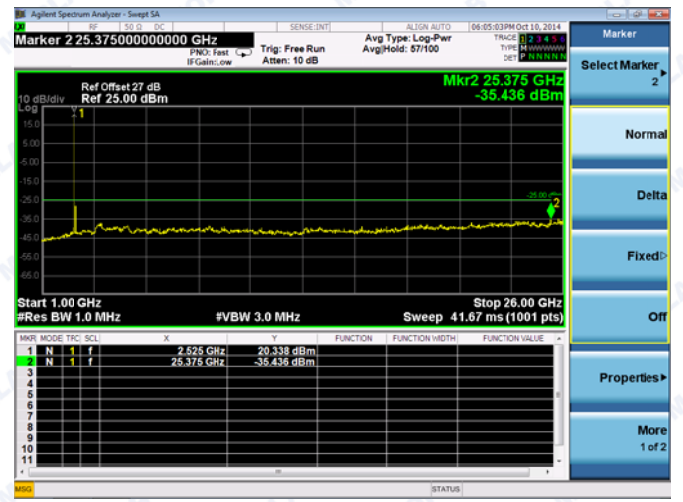
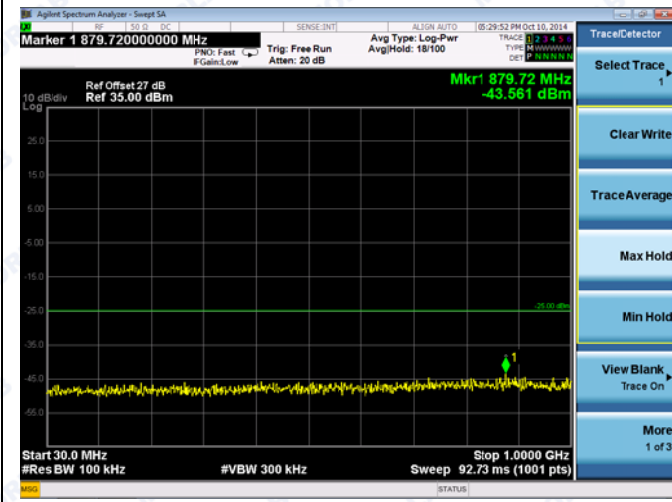


16QAM

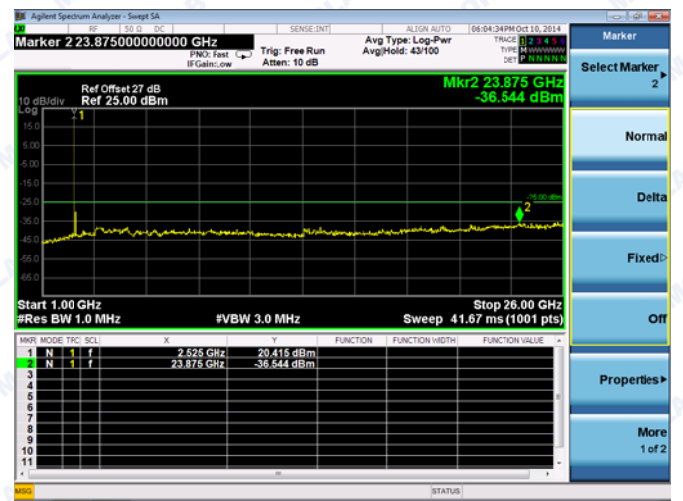
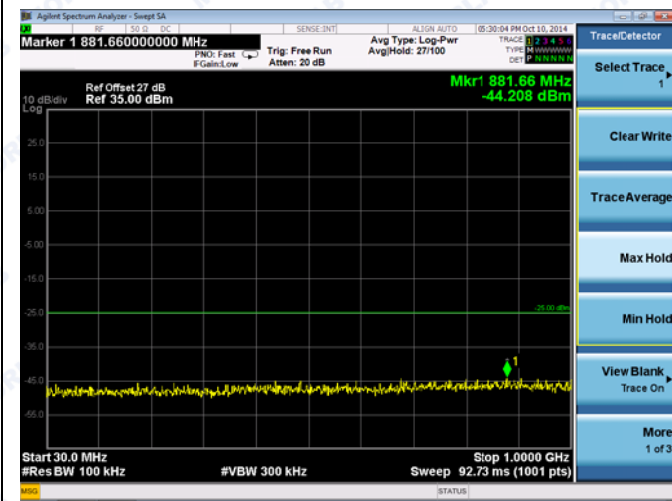


LTE Band 7 10MHz BW, Mid Channel

QPSK

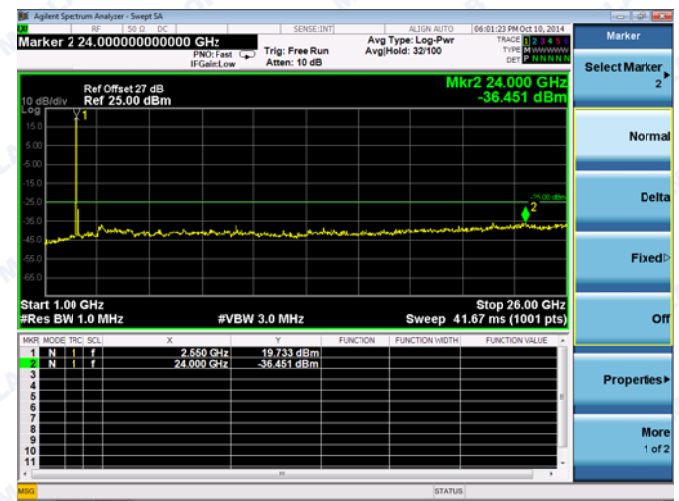
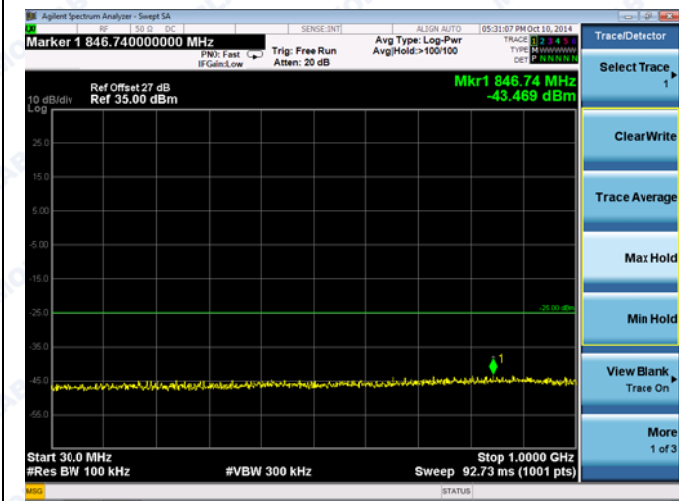


16QAM

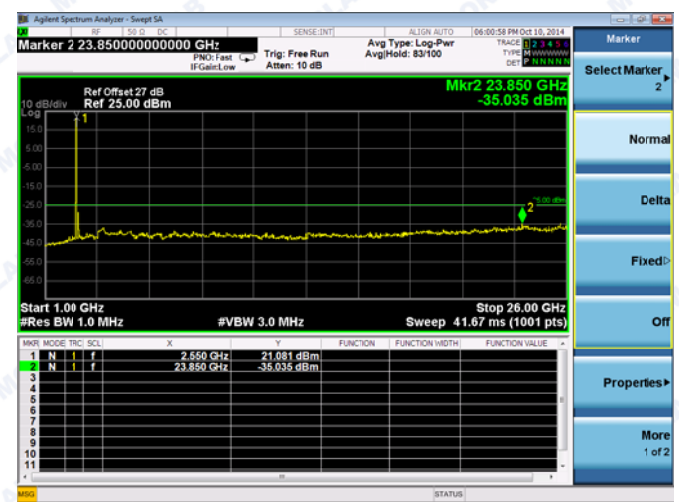
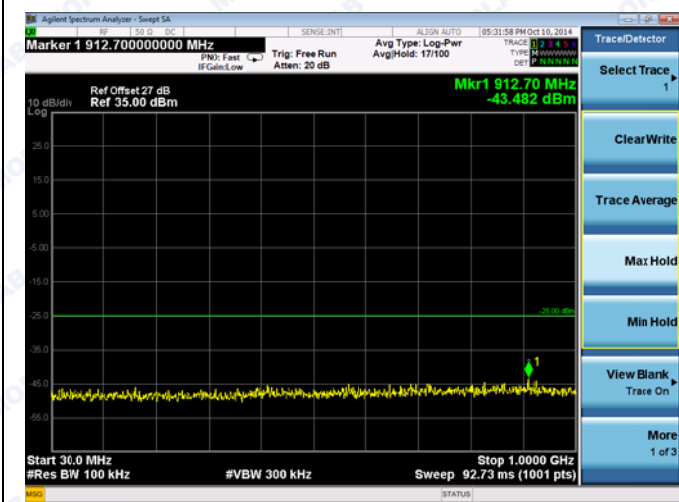


LTE Band 7 15MHz BW, Mid Channel

QPSK

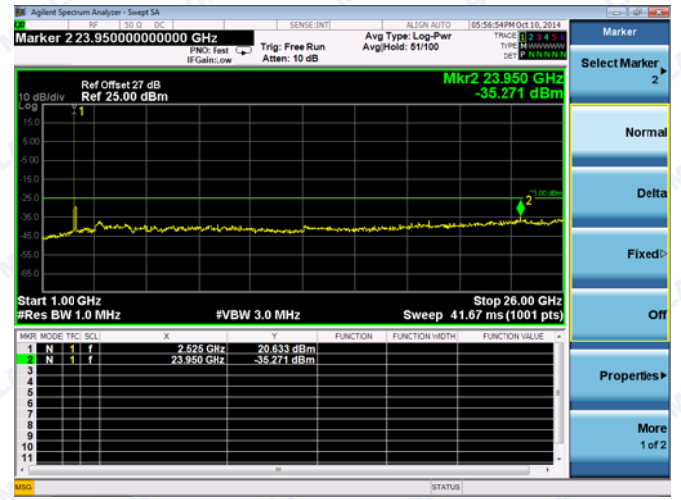
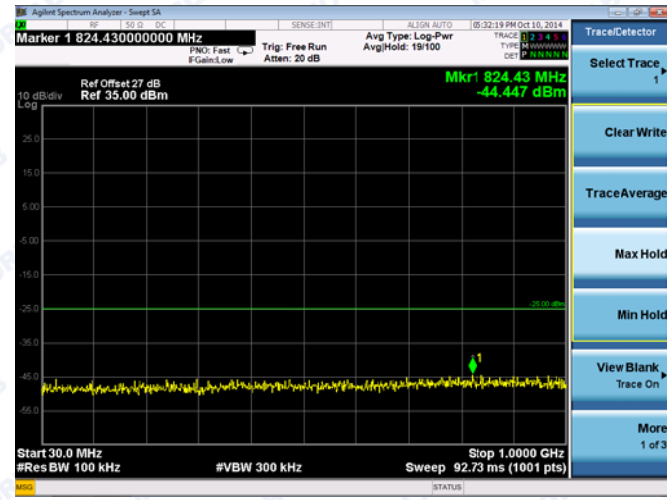


16QAM

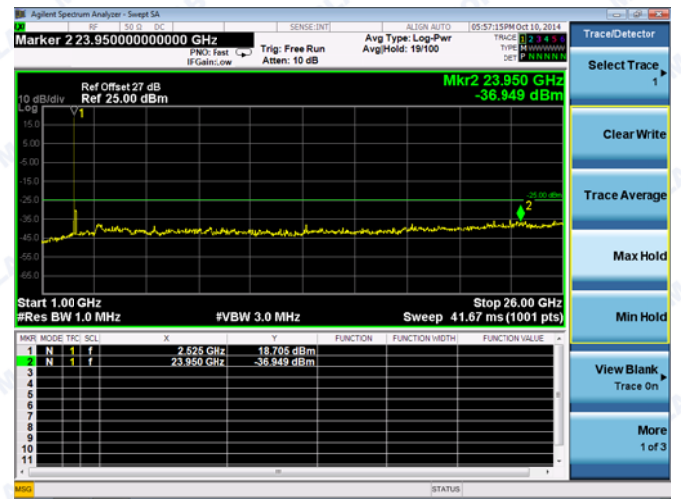
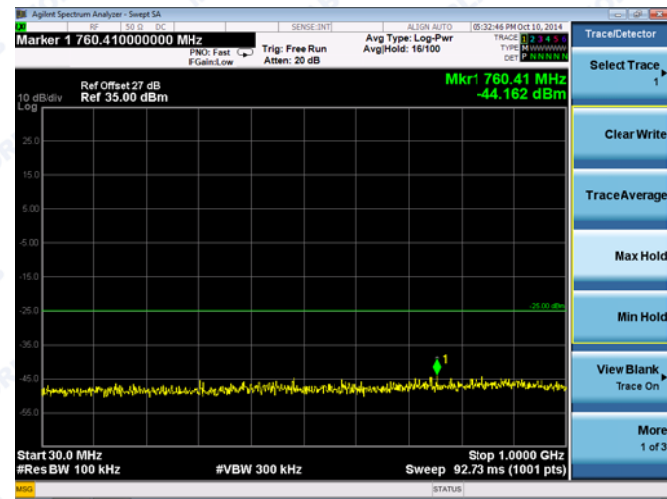


LTE Band 7 20MHz BW, Mid Channel

QPSK



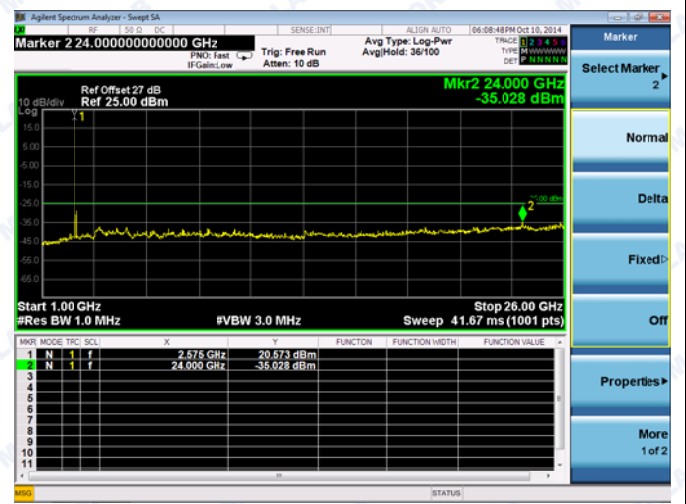
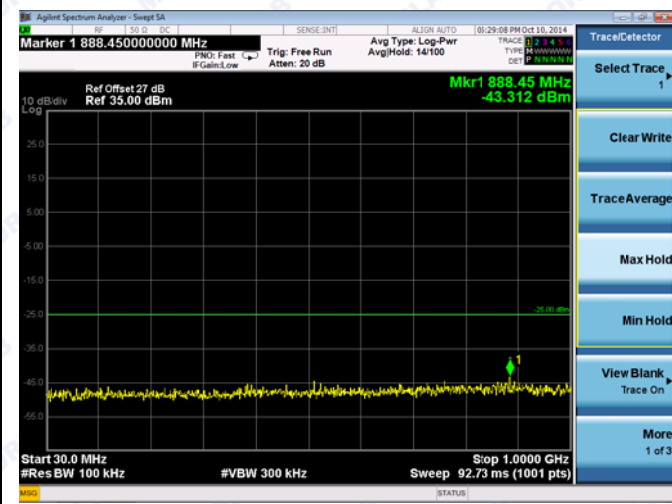
16QAM



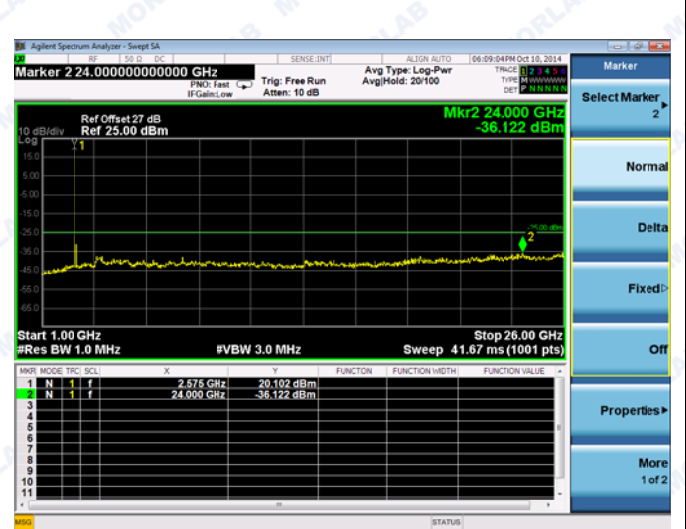
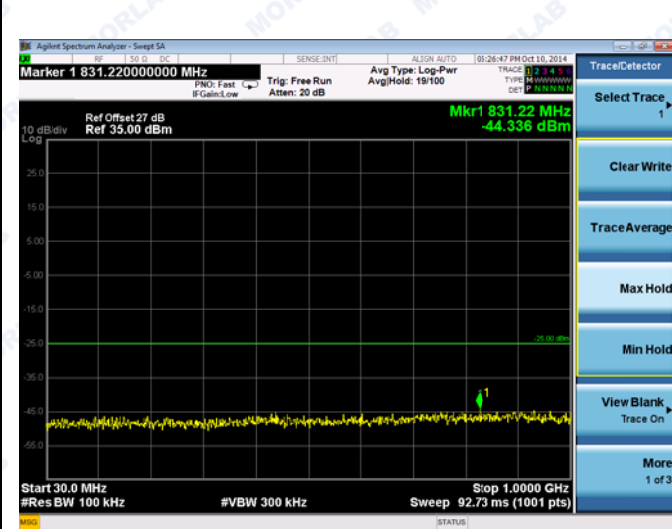
High channel:

LTE Band 7 5MHz BW, High Channel

QPSK

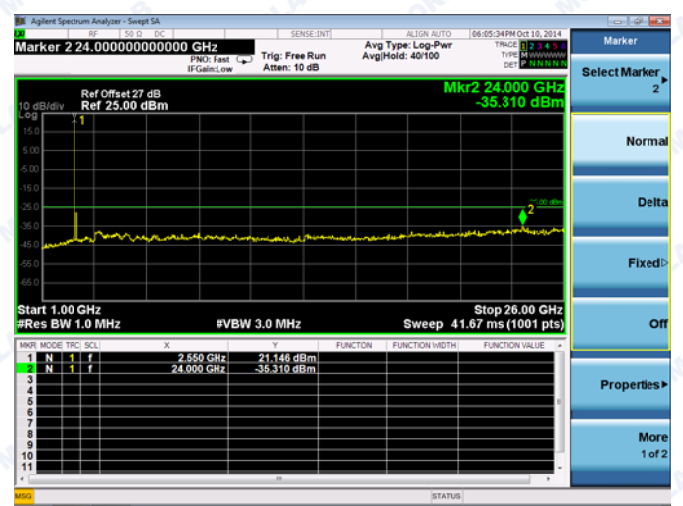
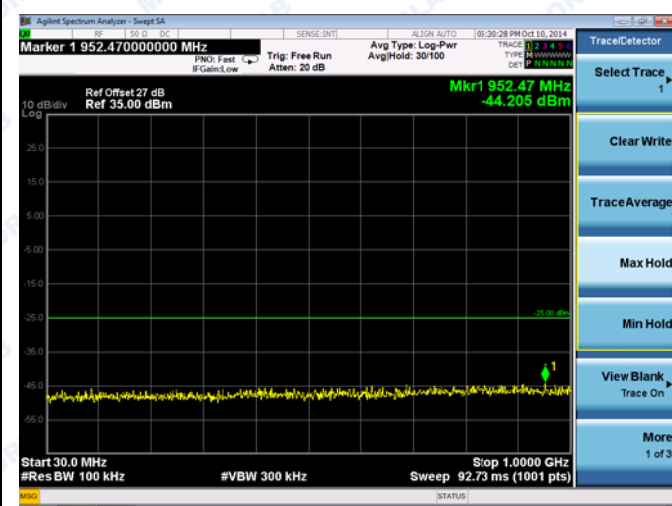


16QAM

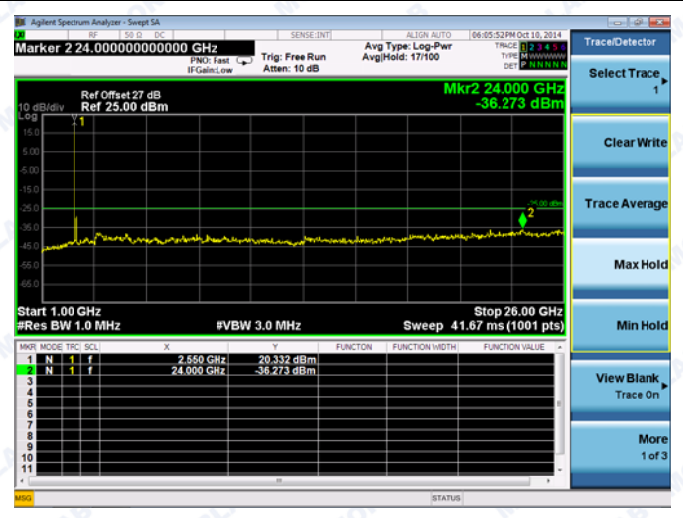
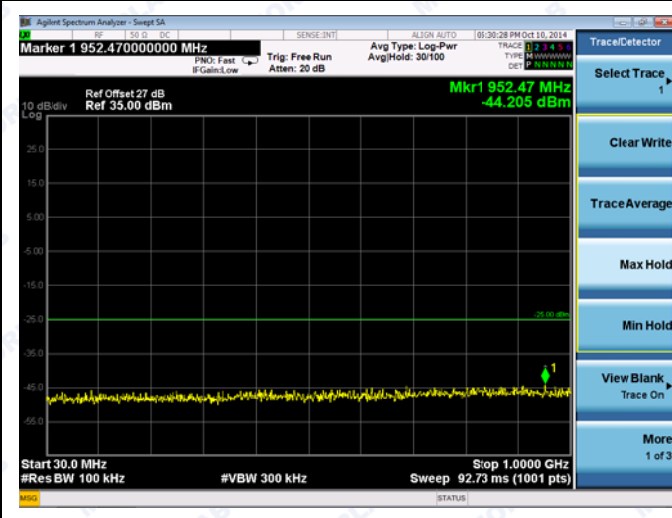


LTE Band 7 10MHz BW, High Channel

QPSK

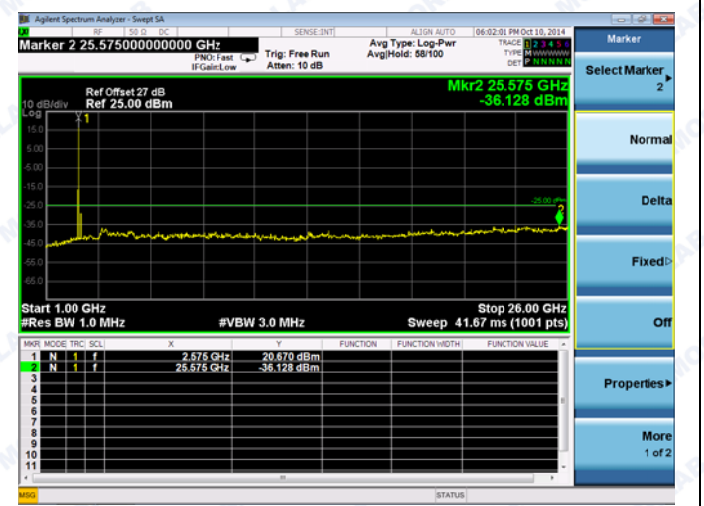
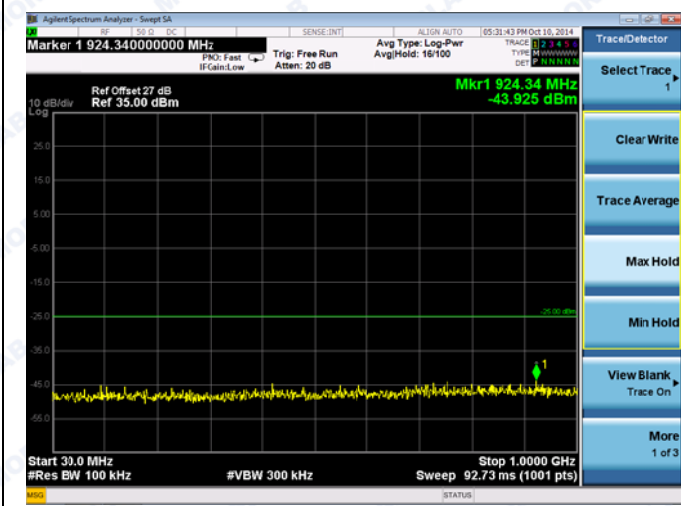


16QAM

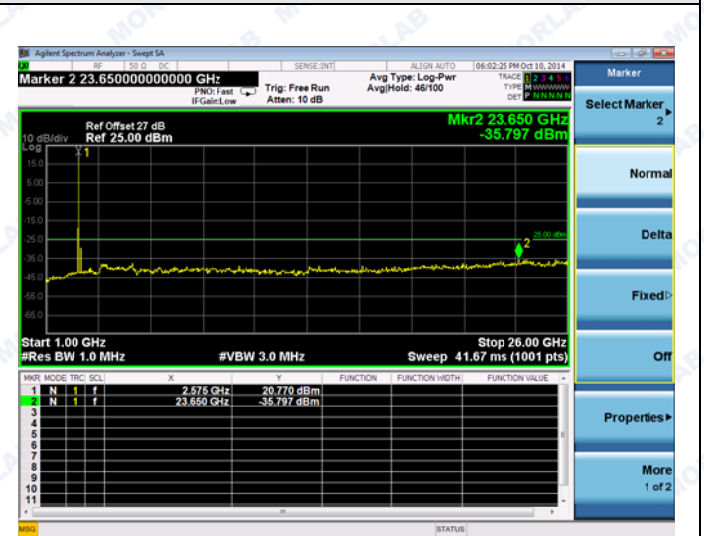
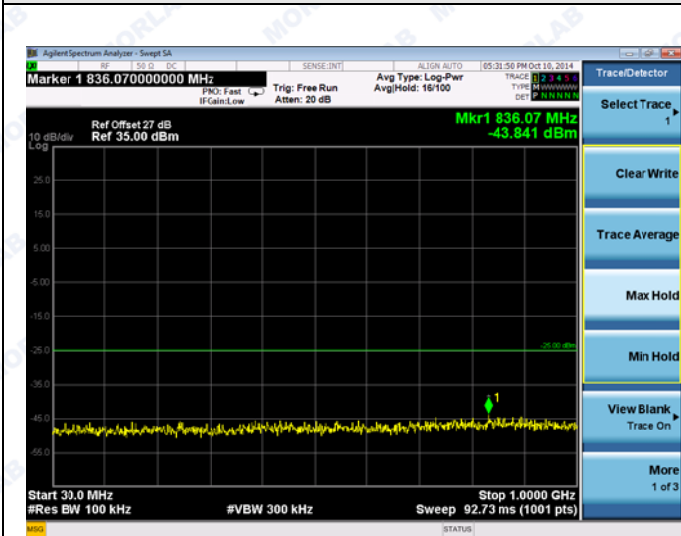


LTE Band 7 15MHz BW, High Channel

QPSK

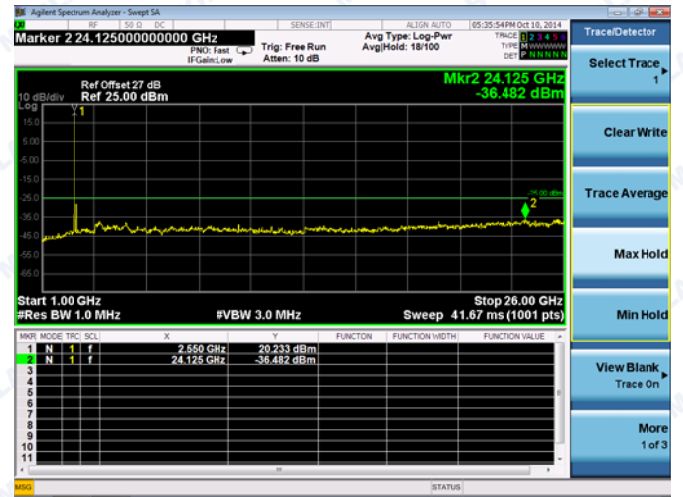
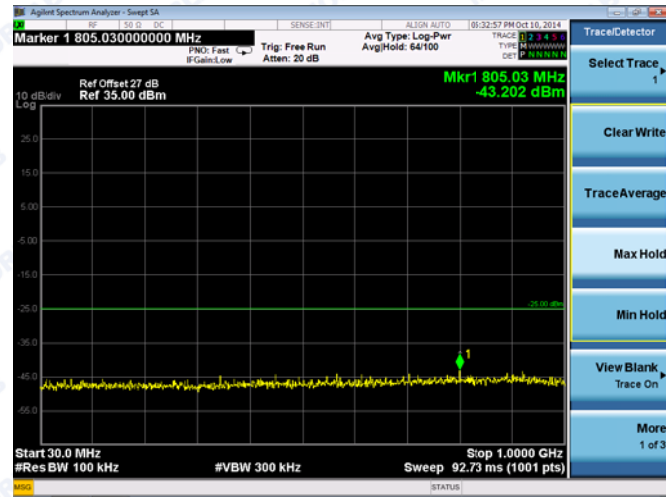


16QAM

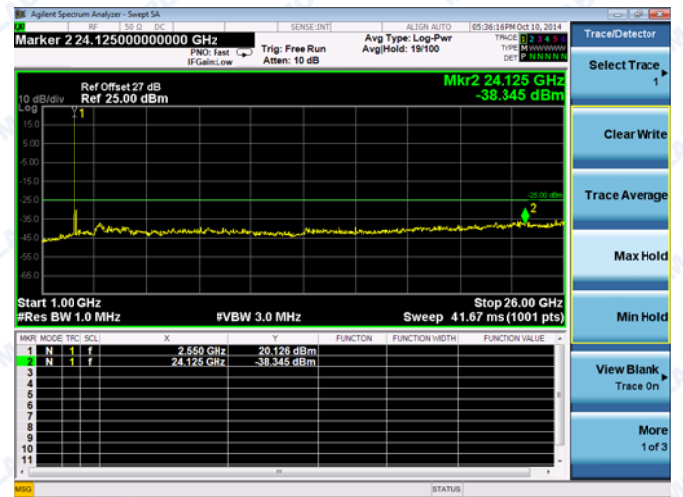
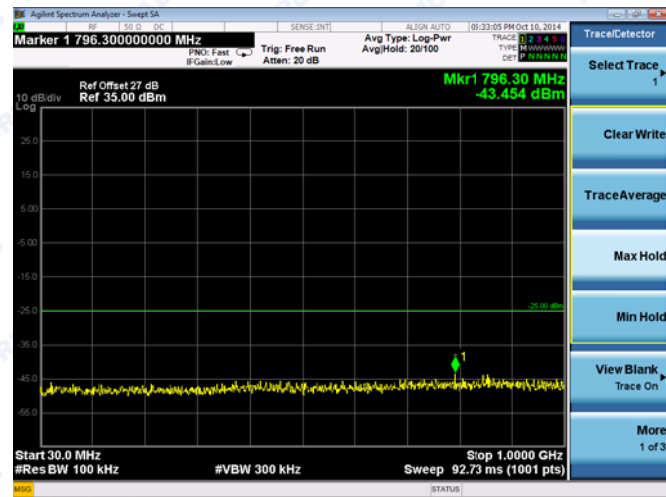


LTE Band 7 20MHz BW, High Channel

QPSK



16QAM



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.

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.

The emissions be operated in the 2496-2690 MHz band, the attenuation factor shall be not less than $43 + 10 \log (P)$ dB at the channel edge and $55 + 10 \log (P)$ dB at 5.5 megahertz from the channel edges.

2.6.2. Test Description

See section 2.1.2 of this report.

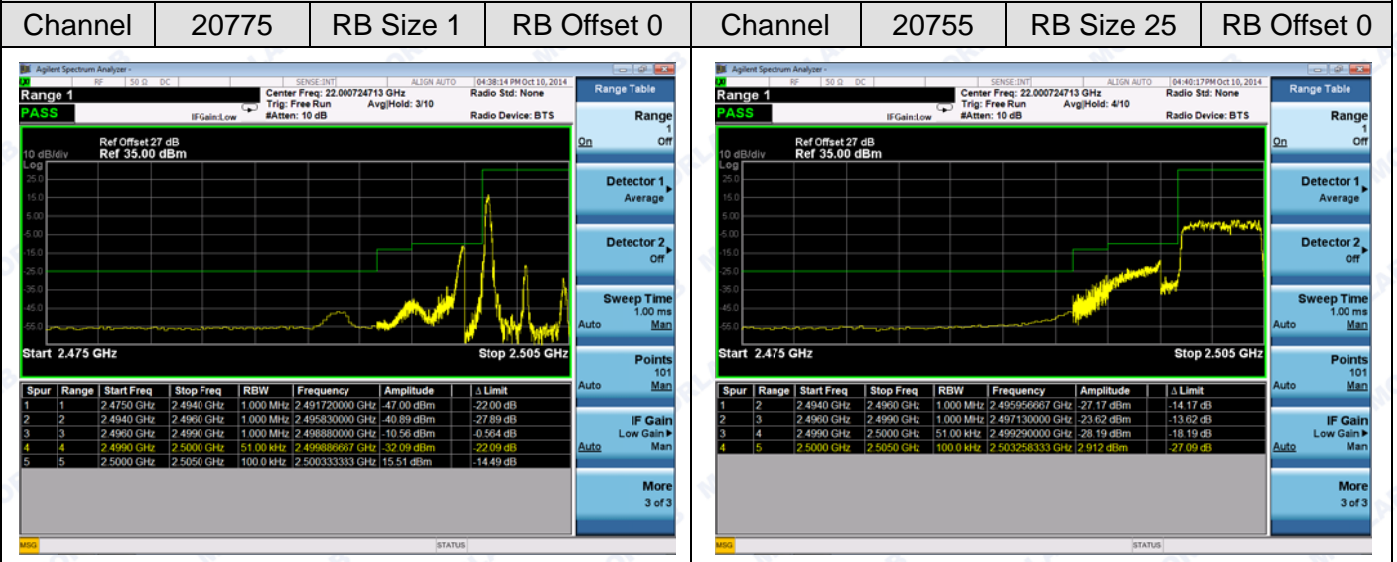
2.6.3. Test Result

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

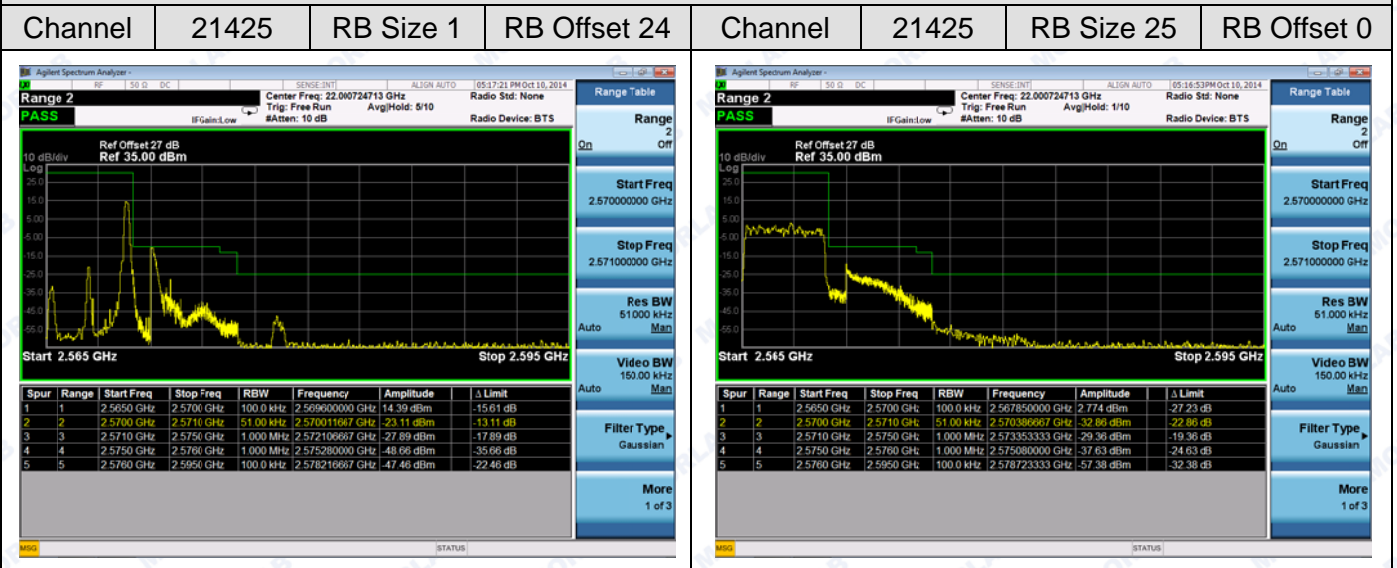
PASS. See the attached plots.

LTE Band 7:

Channel Bandwidth: 5MHz

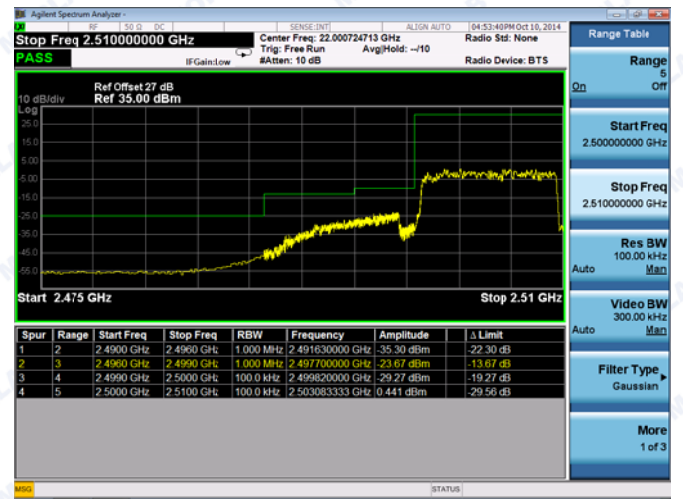
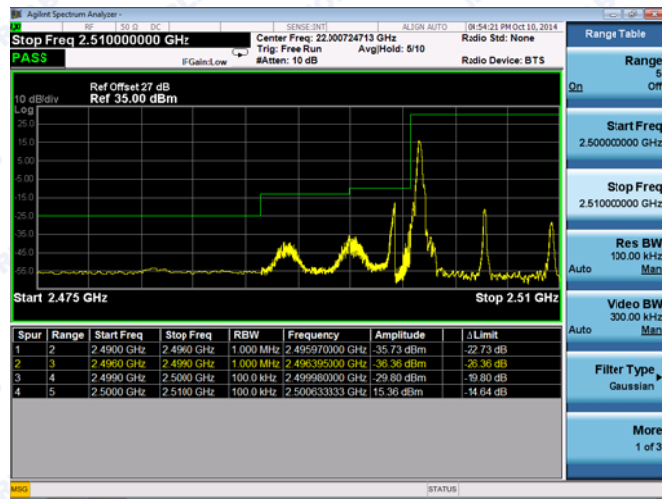


Channel Bandwidth: 5MHz



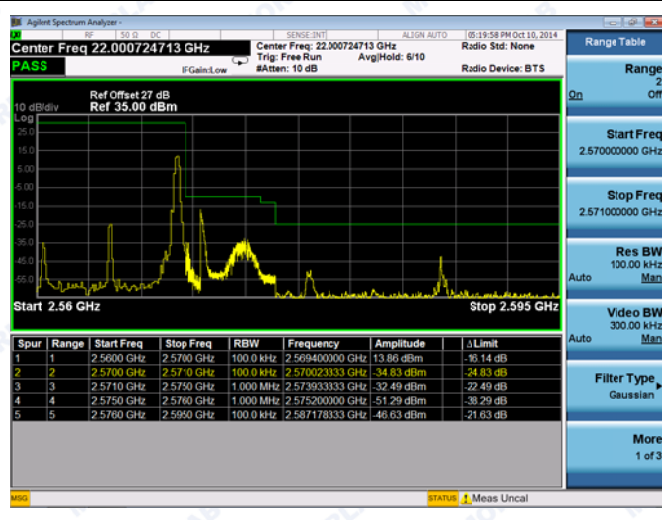
Channel Bandwidth: 10MHz

Channel	20800	RB Size 1	RB Offset 0	Channel	20800	RB Size 50	RB Offset 0
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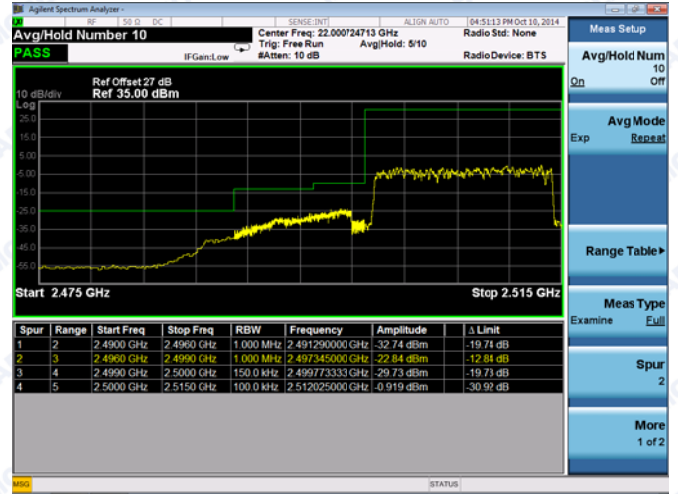
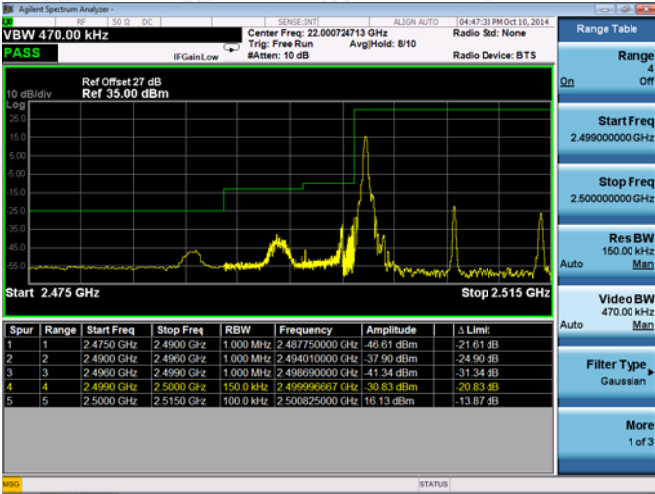
Channel Bandwidth: 10MHz

Channel	21400	RB Size 1	RB Offset 49	Channel	21400	RB Size 50	RB Offset 0
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Channel Bandwidth: 15MHz

Channel	20825	RB Size 1	RB Offset 0	Channel	20825	RB Size 75	RB Offset 0
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Channel Bandwidth: 15MHz

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