LTE Band 4   3MHz BW   Low Channel

QPSK

16QAM

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Page **105** 0f **204**
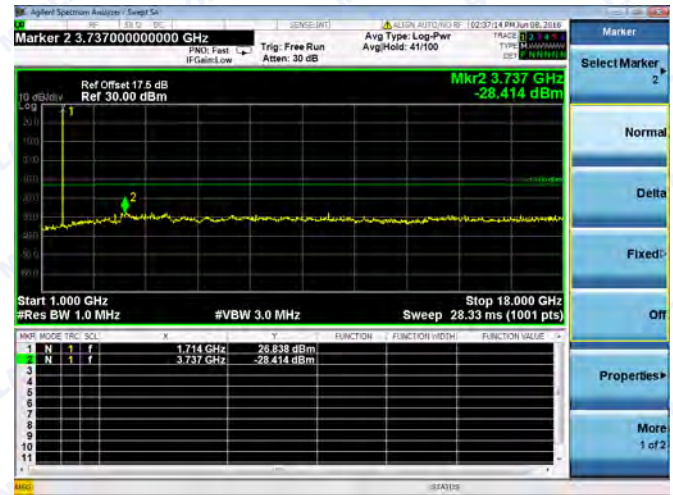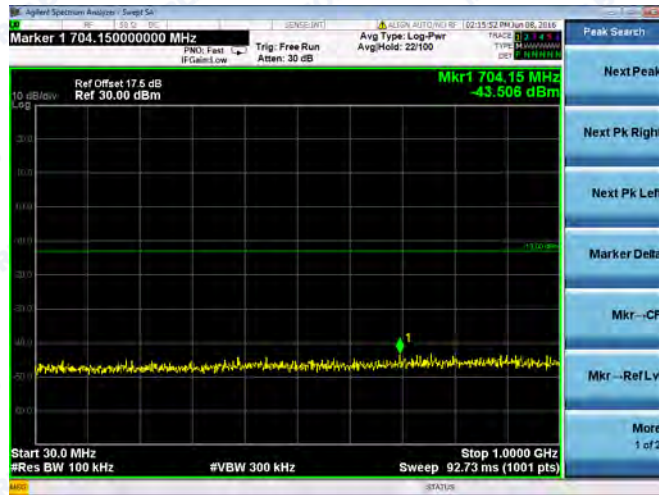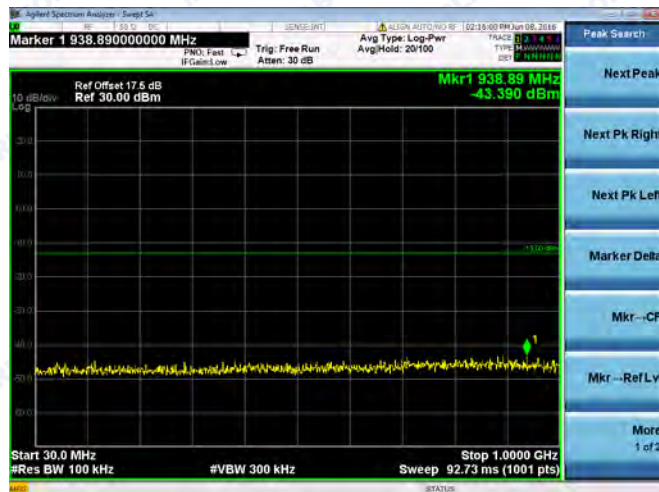
LTE Band 4   5MHz BW   Low Channel
QPSK
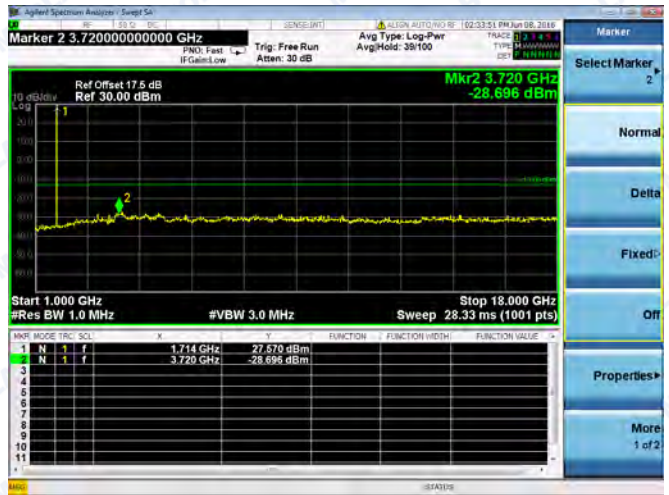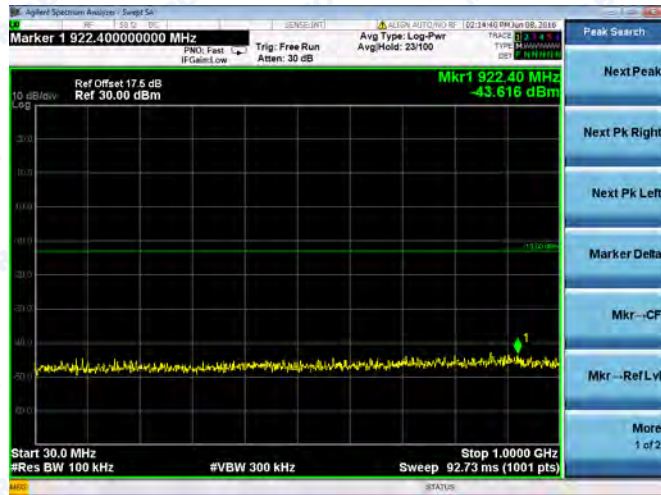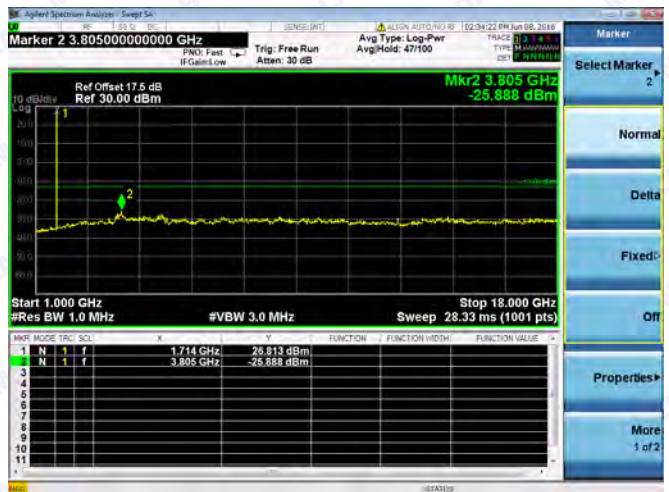
| **16QAM** |

LTE Band 4   10MHz BW   Low Channel
QPSK

16QAM

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Page **107** 0f **204**
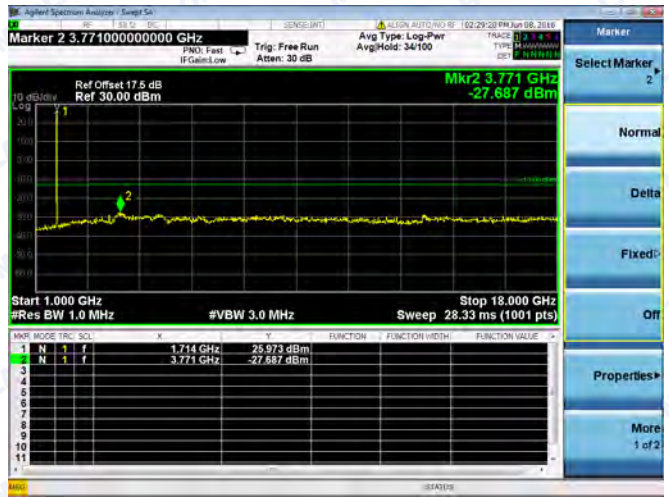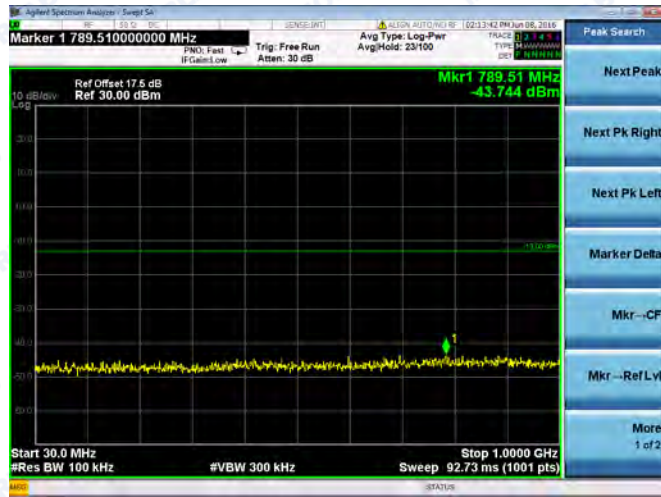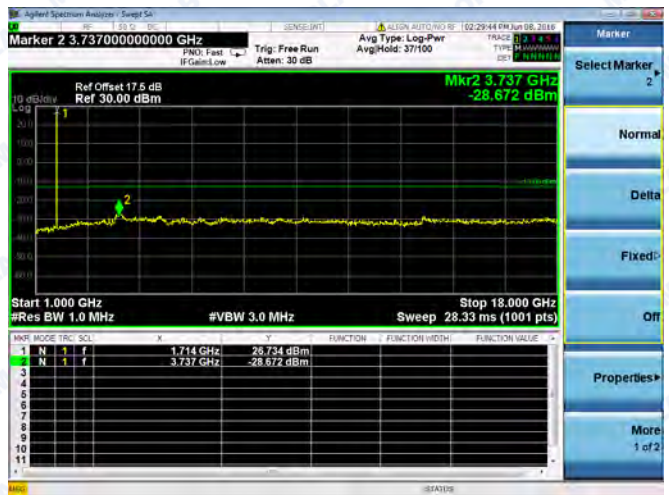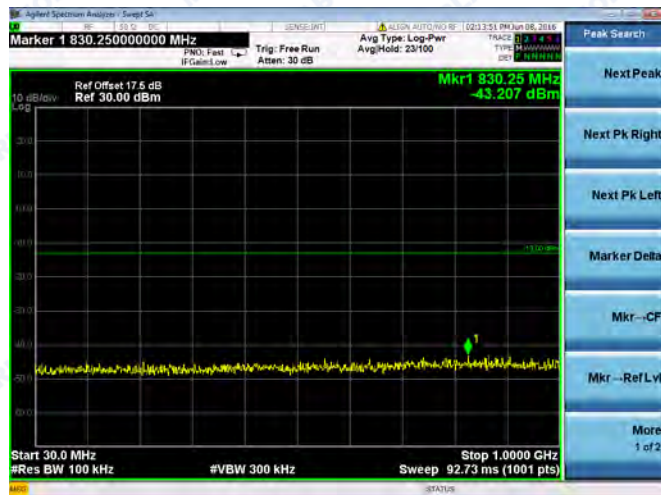
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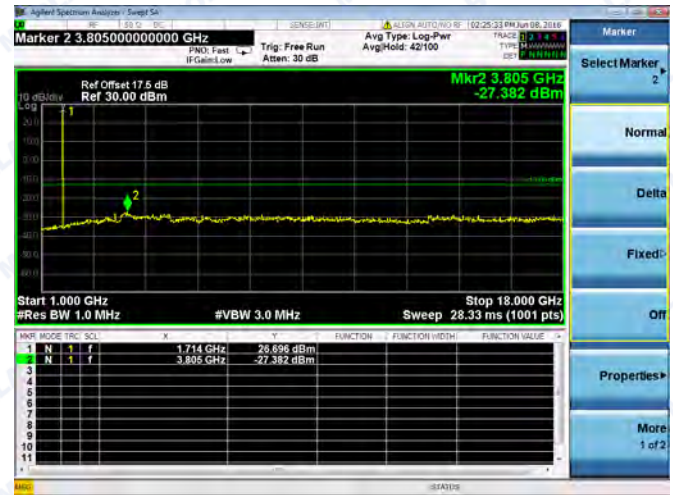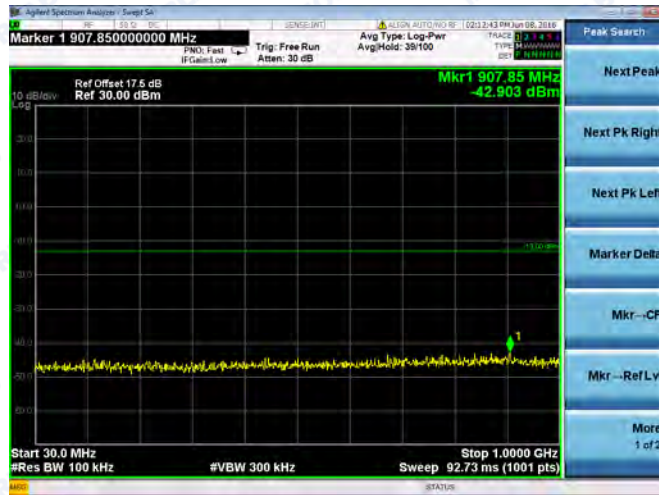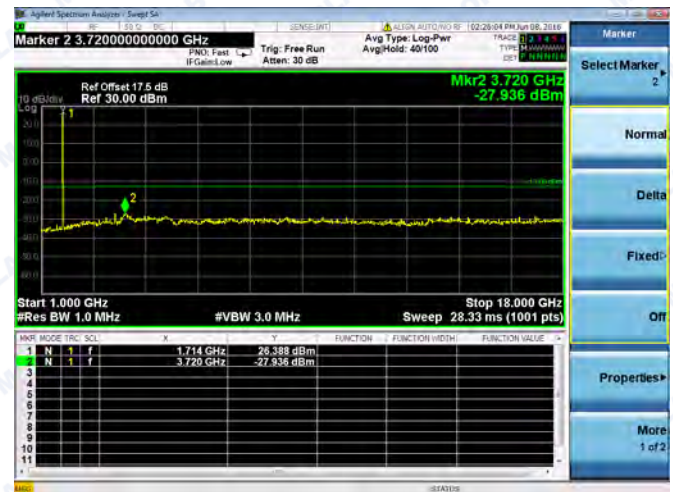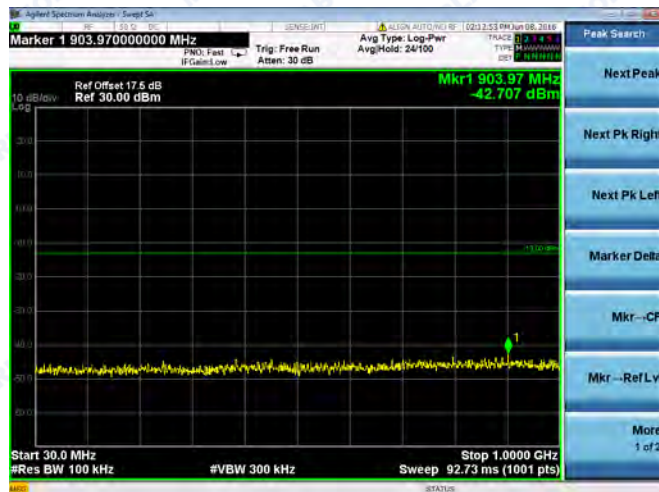
QPSK

16QAM

LTE Band 4   20MHz BW   Low Channel

QPSK

16QAM

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Page **109** 0f **204**
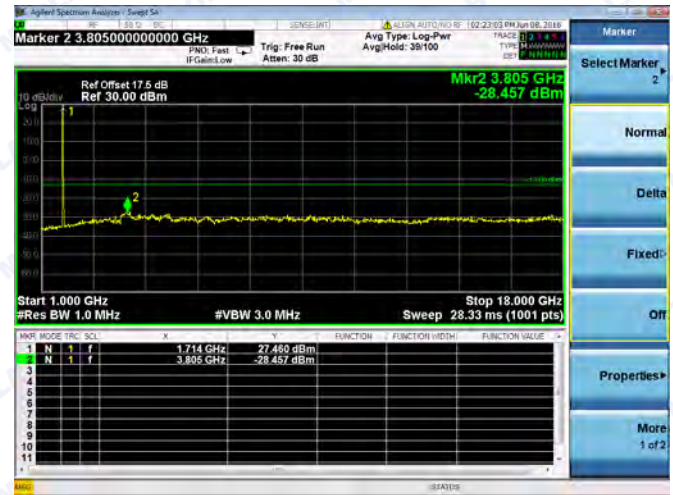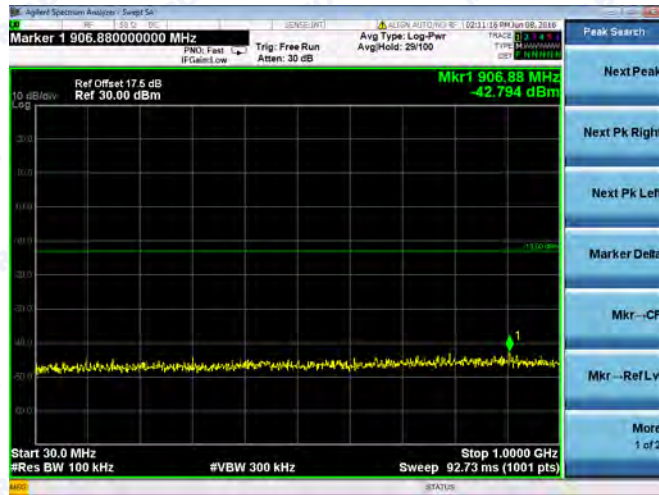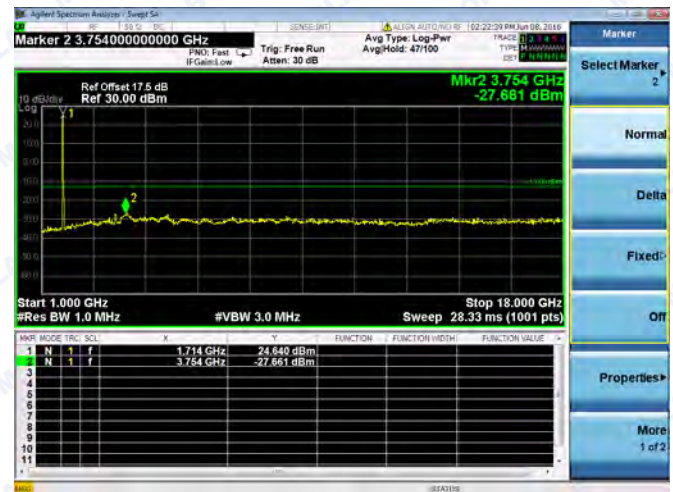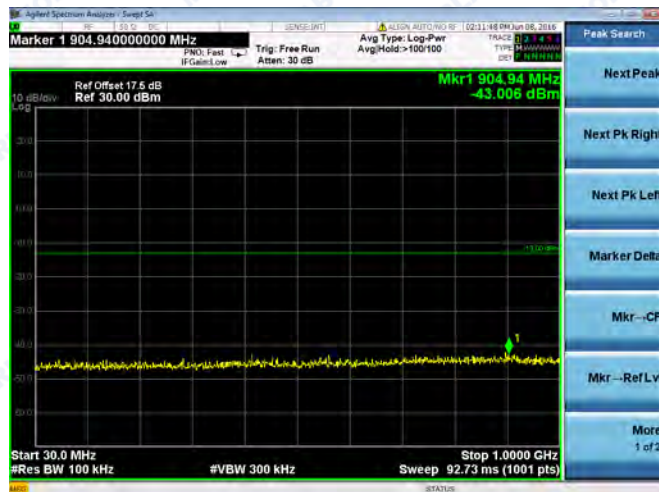
Middle channel:

LTE Band 4   1.4MHz BW   Mid Channel
QPSK

16QAM

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Page **110** 0f **204**
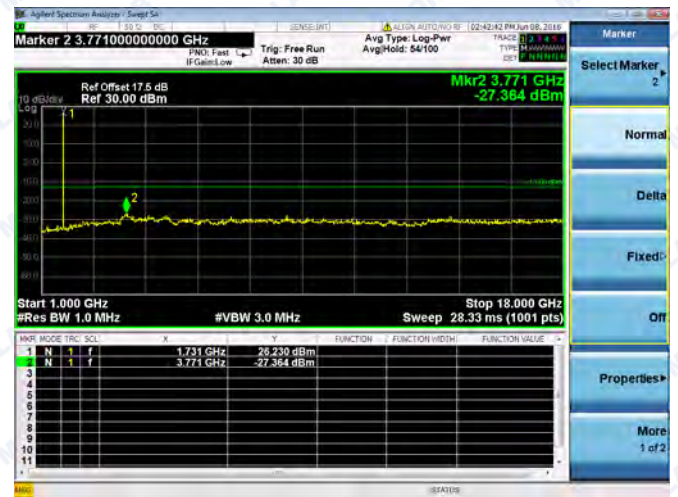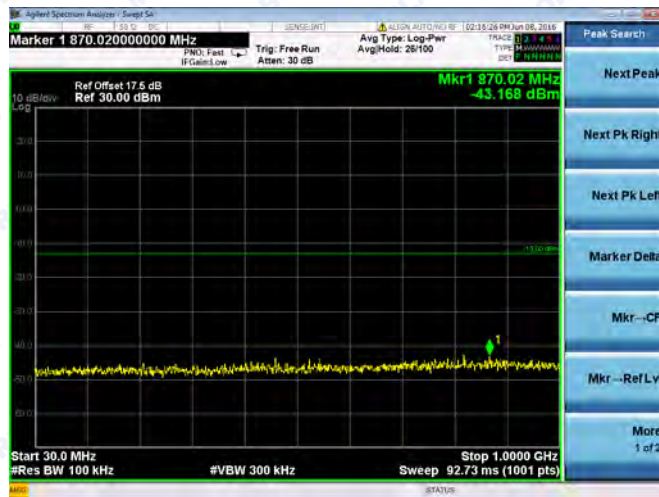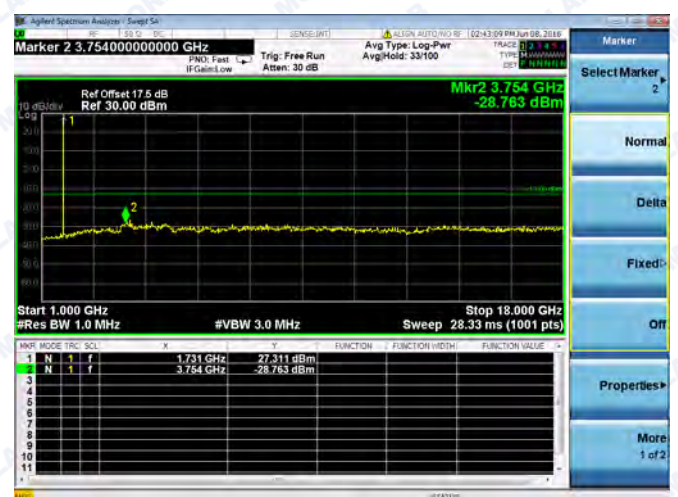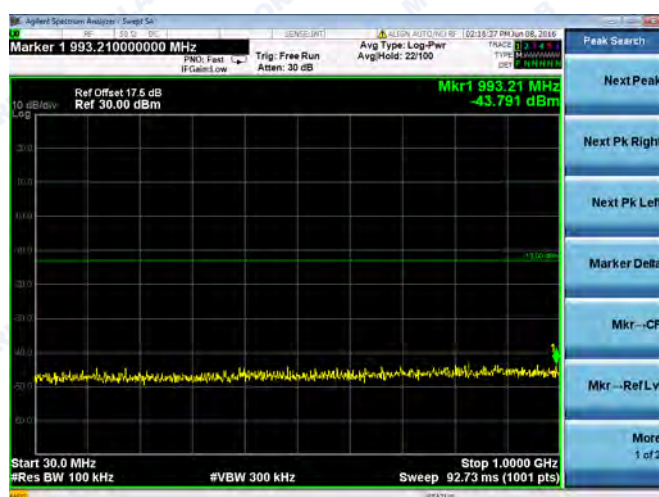
LTE Band 4   3MHz BW   Mid Channel
QPSK
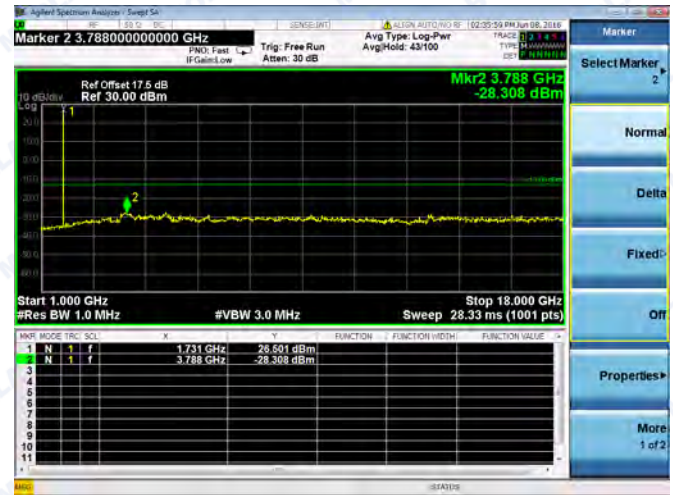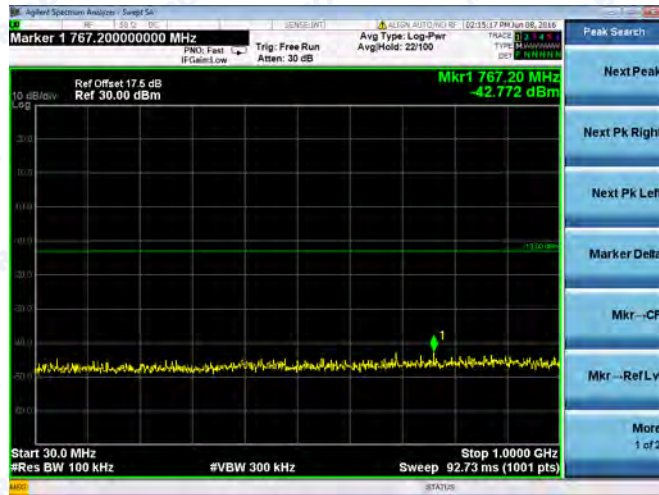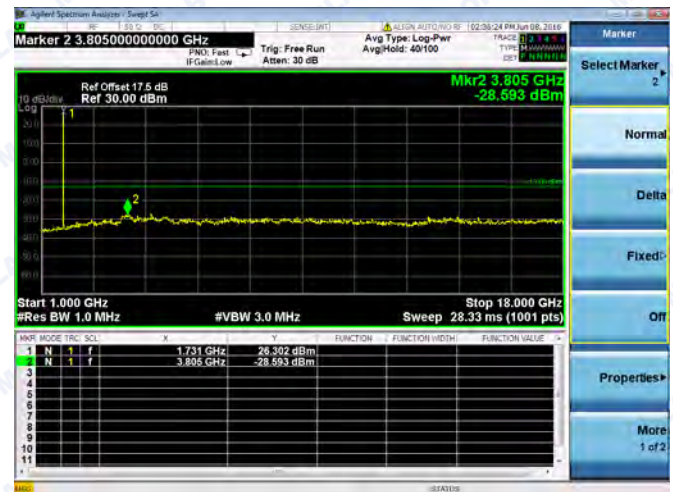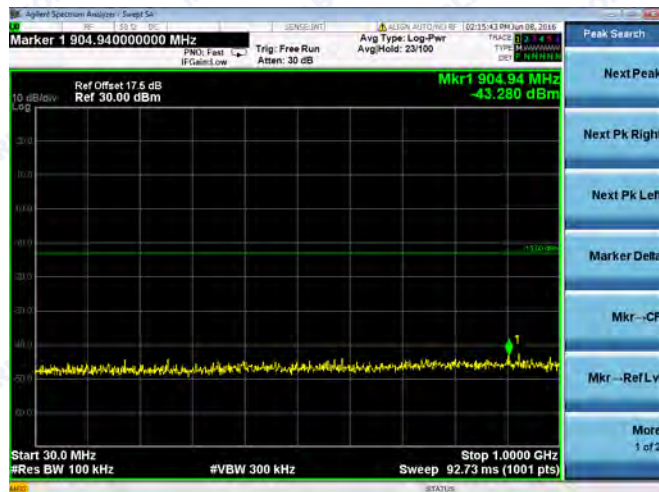
16QAM

LTE Band 4   5MHz BW   Mid Channel
QPSK
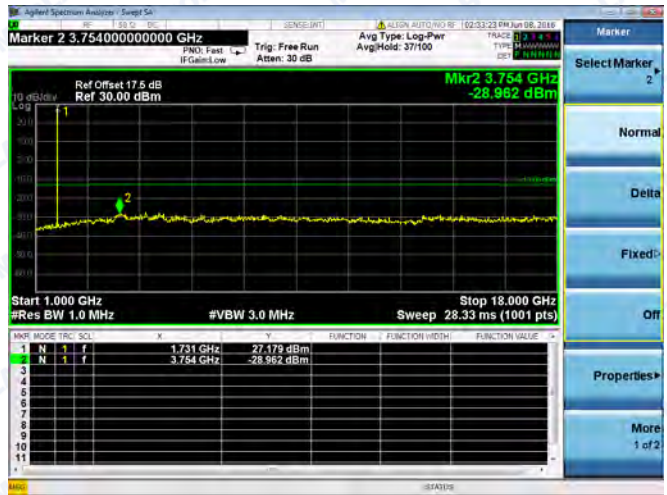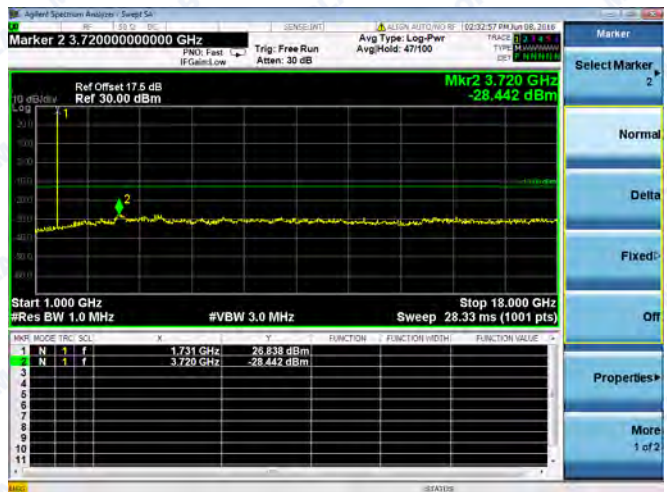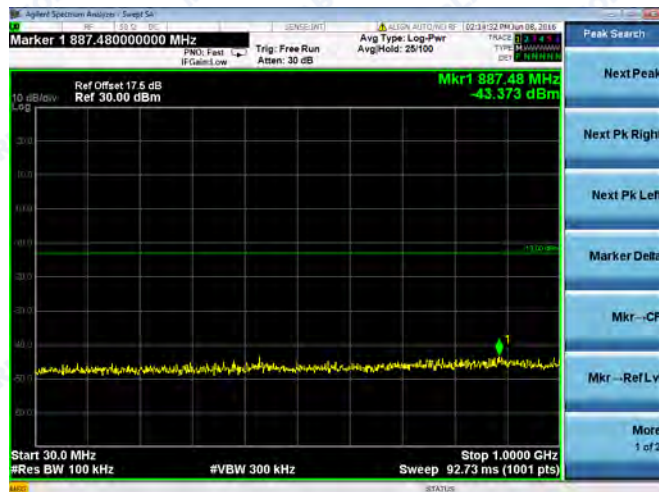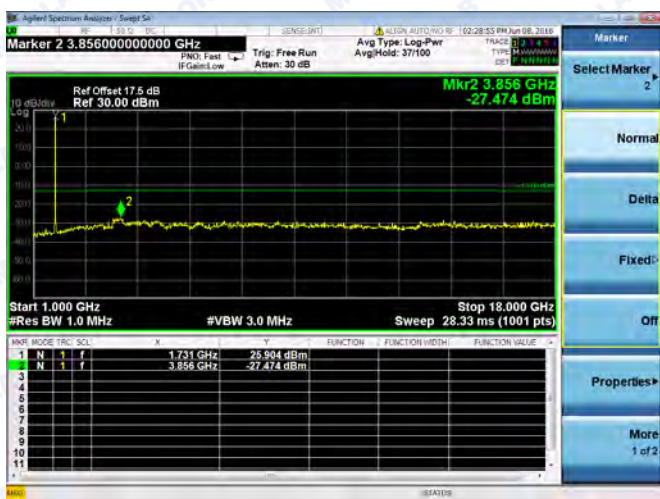
| 16QAM |

LTE Band 4   10MHz BW   Mid Channel

QPSK

16QAM

LTE Band 4   15MHz BW   Mid Channel
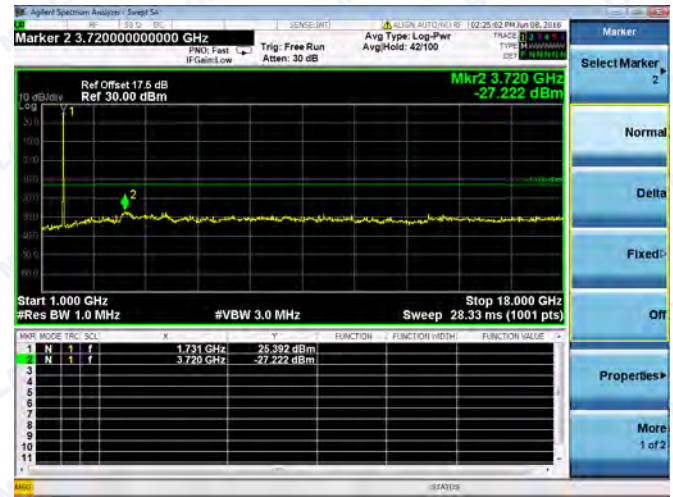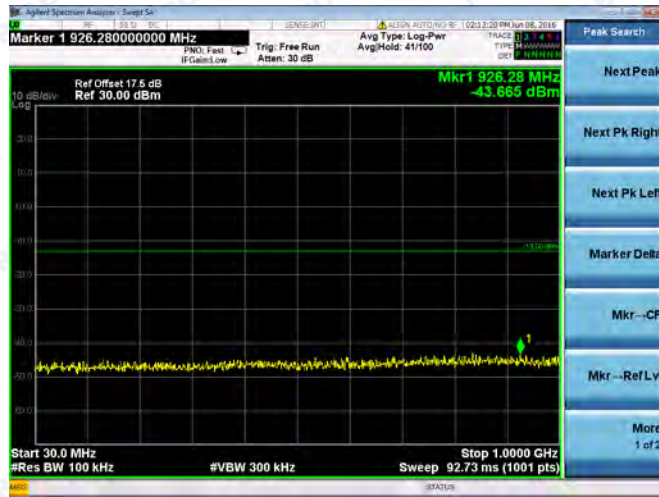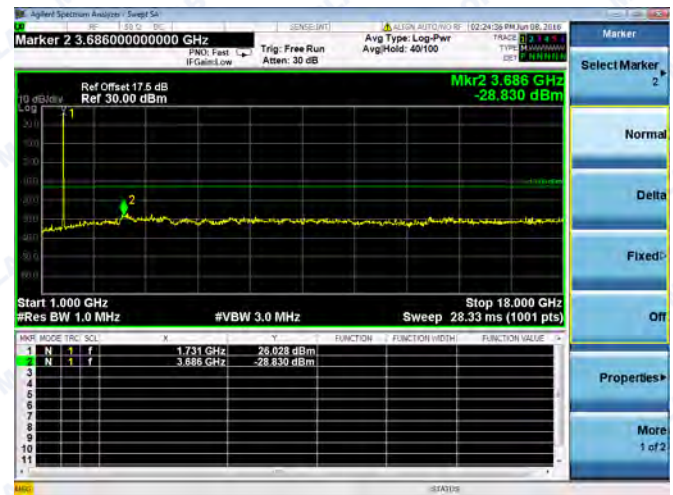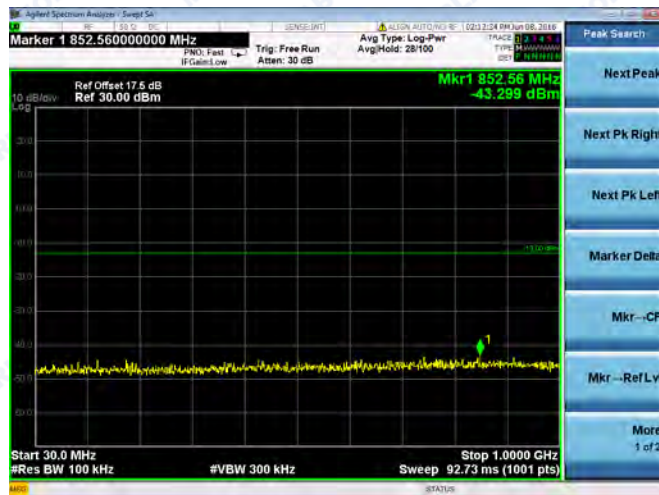
QPSK

16QAM

LTE Band 4   20MHz BW   Mid Channel
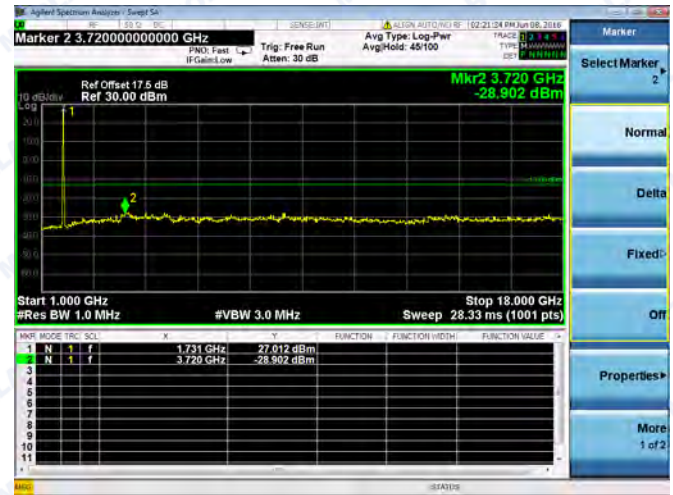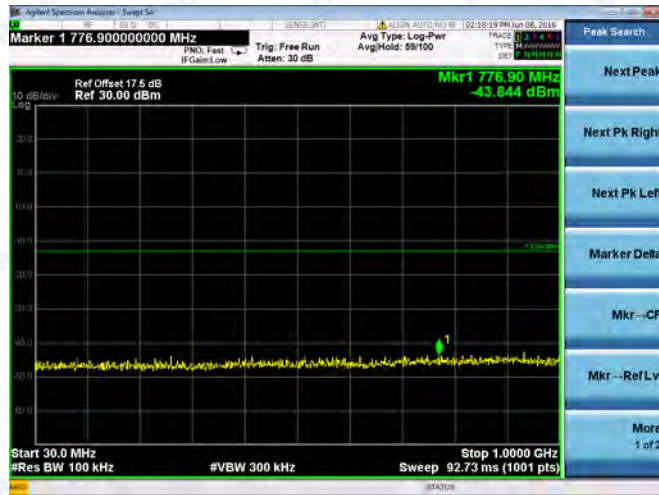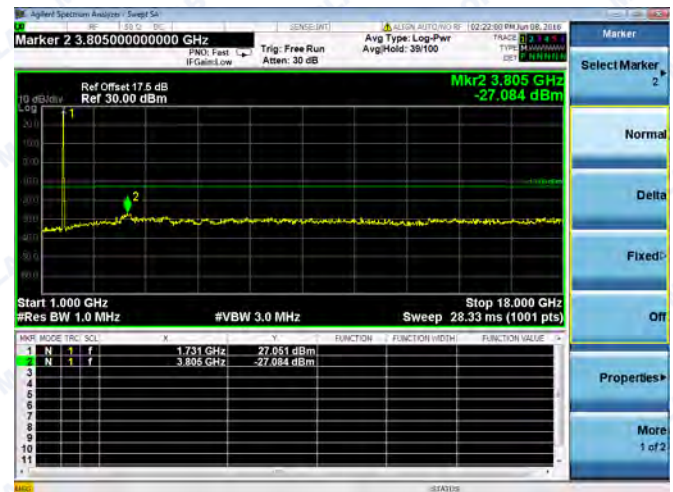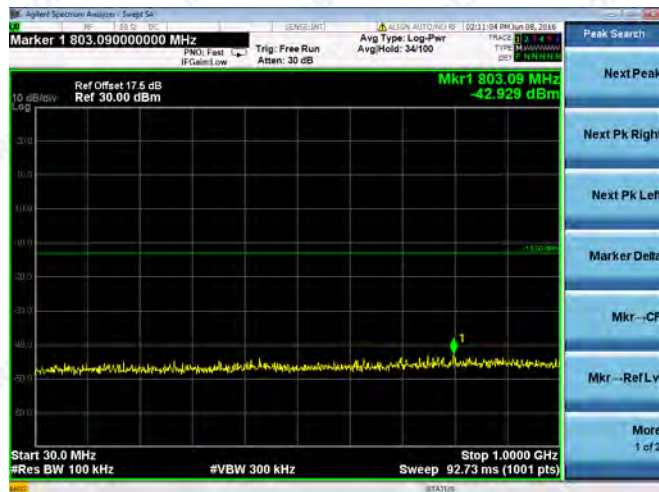
QPSK

16QAM

LTE Band 4　　1.4MHz BW　　High Channel
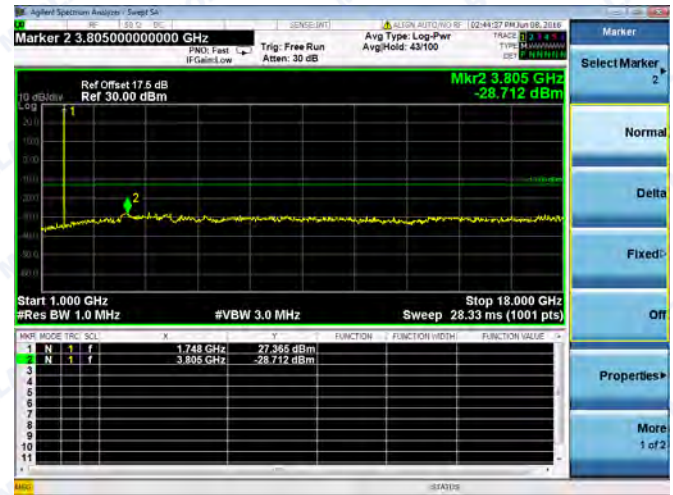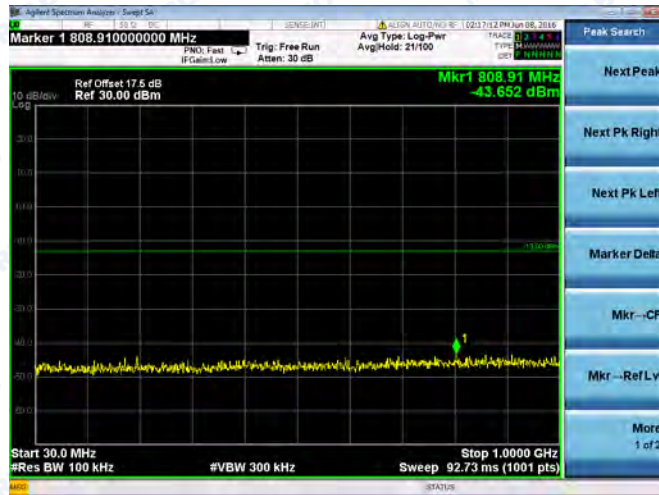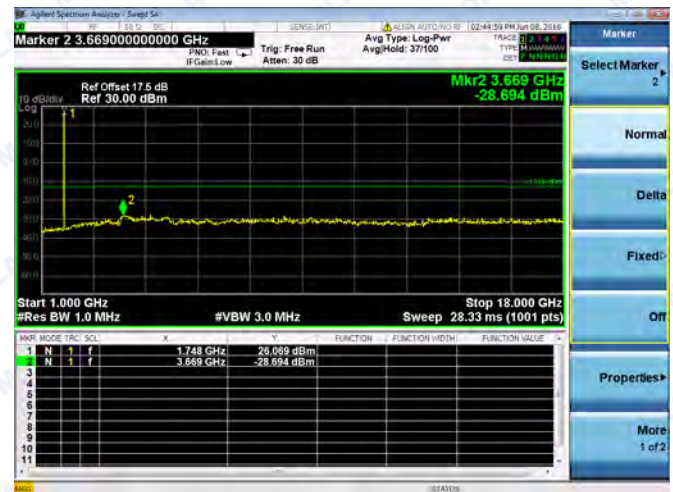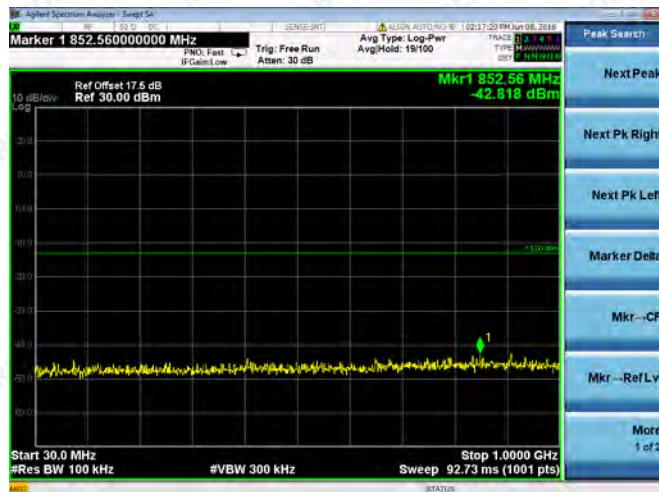
QPSK

16QAM

LTE Band 4   3MHz BW   High Channel
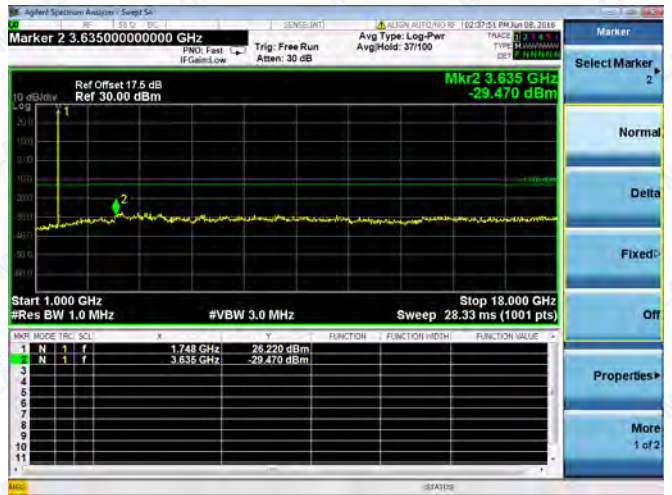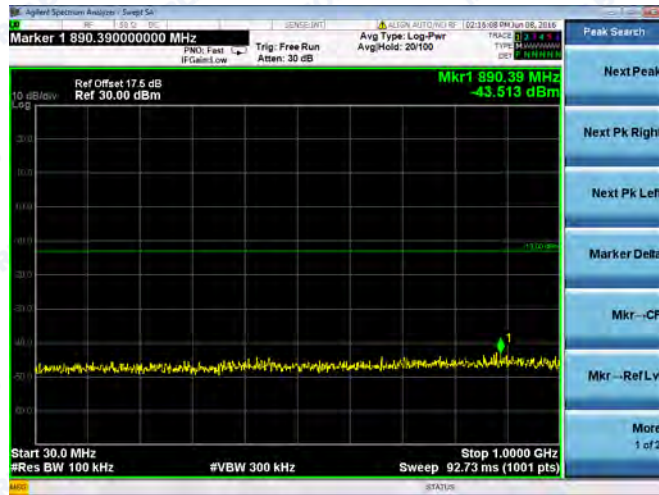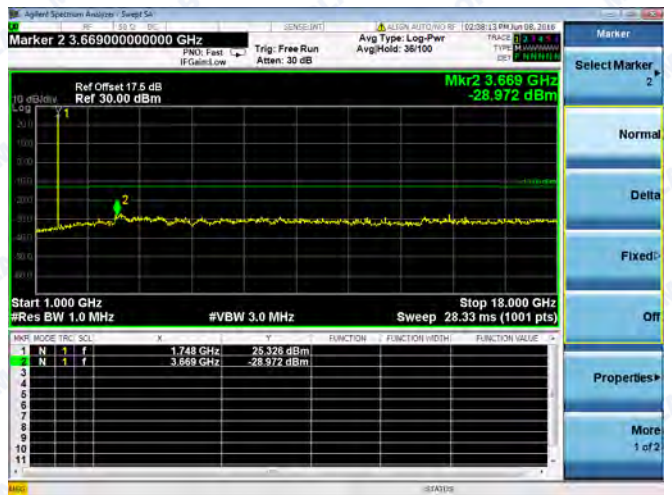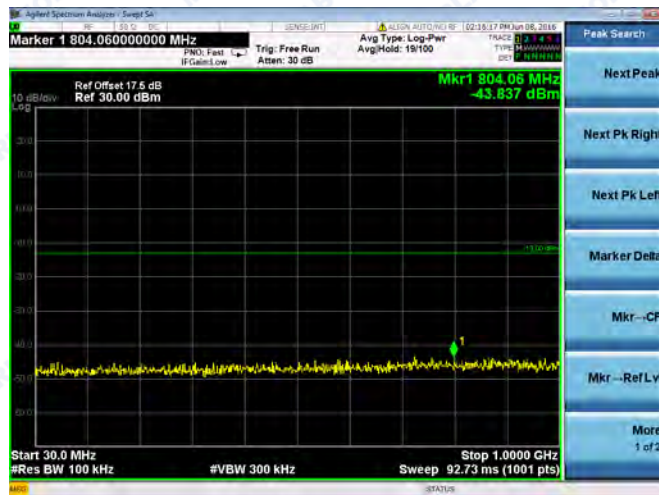
QPSK

16QAM

LTE Band 4   5MHz BW   High Channel
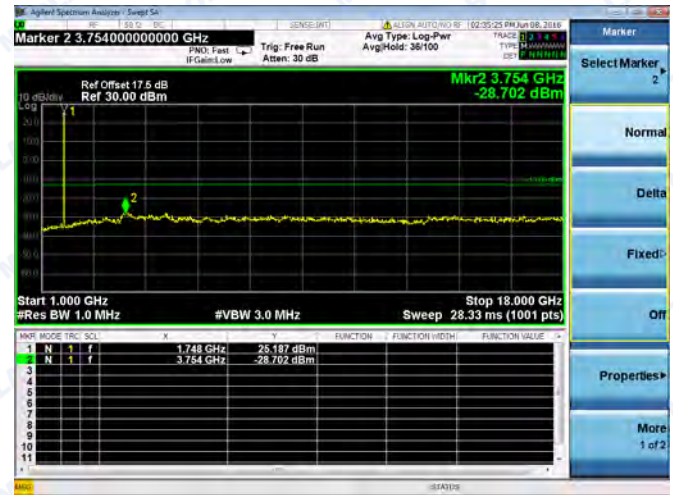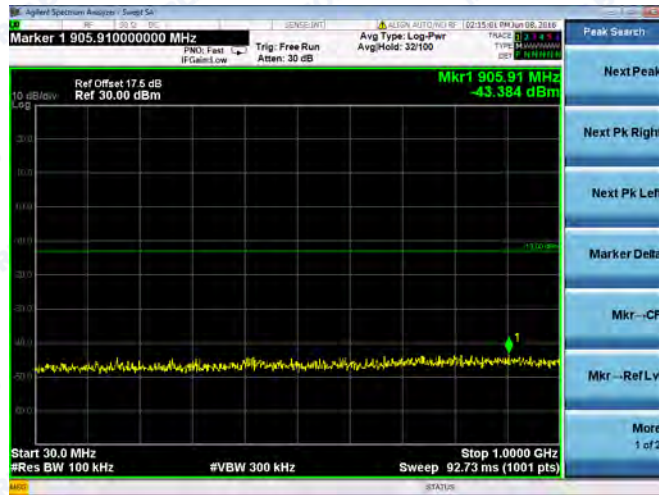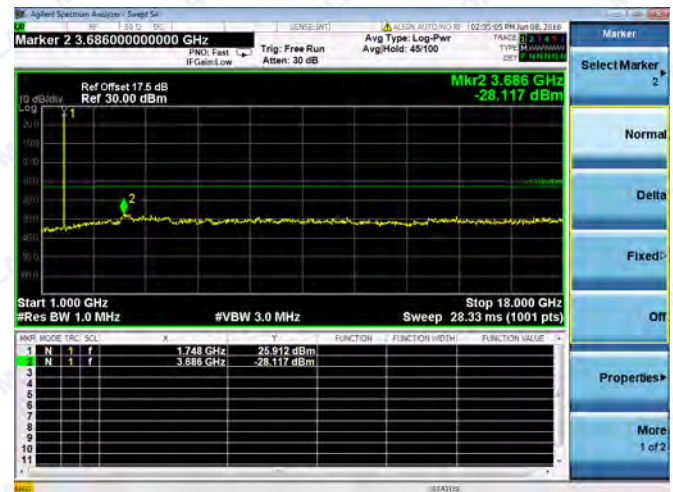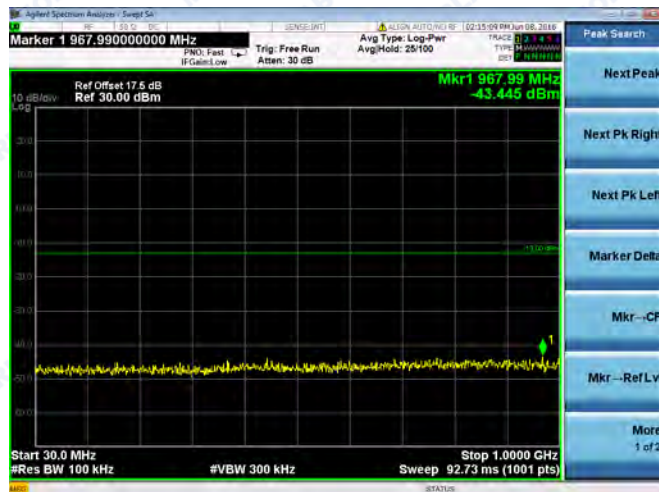
QPSK

16QAM

LTE Band 4   10MHz BW   High Channel
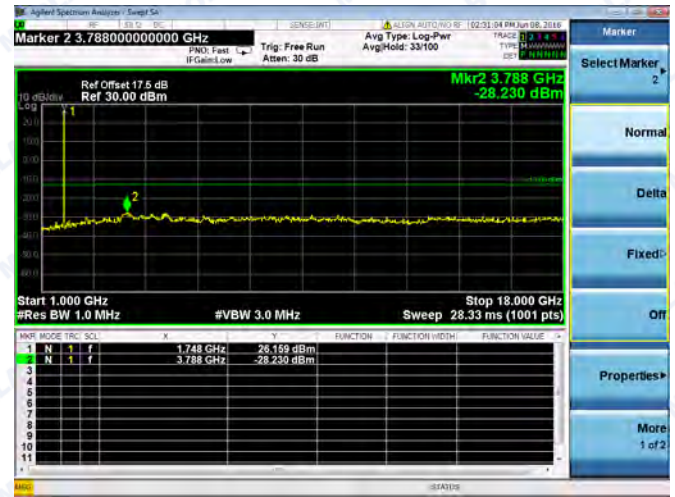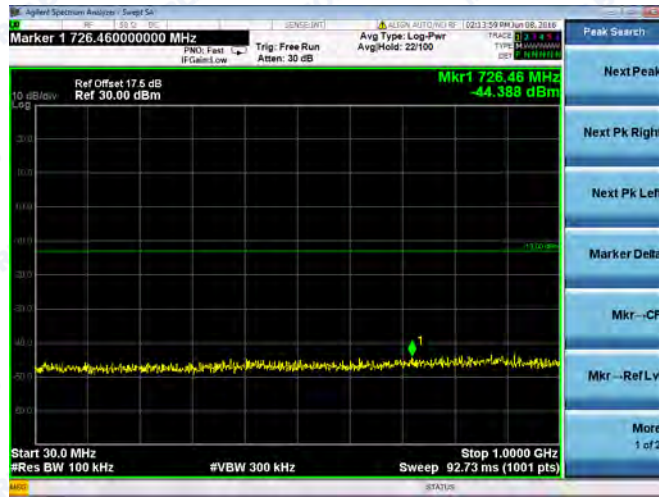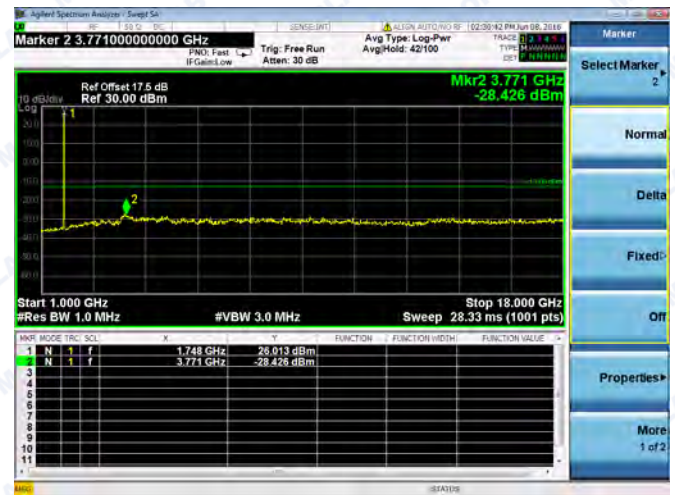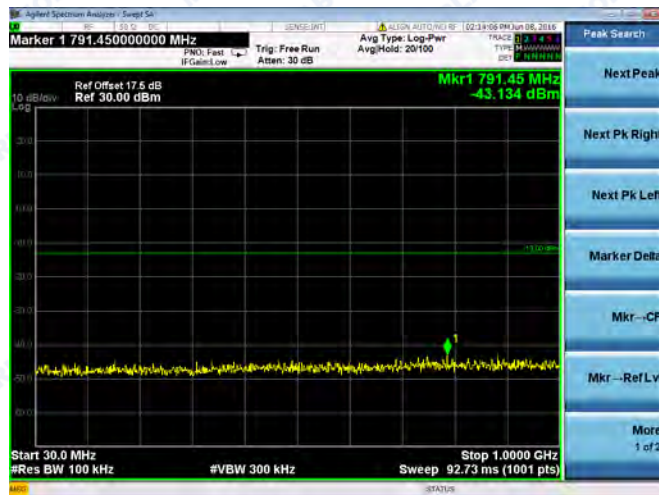
QPSK

16QAM

LTE Band 4   15MHz BW   High Channel

QPSK

16QAM

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Page **120** 0f **204**
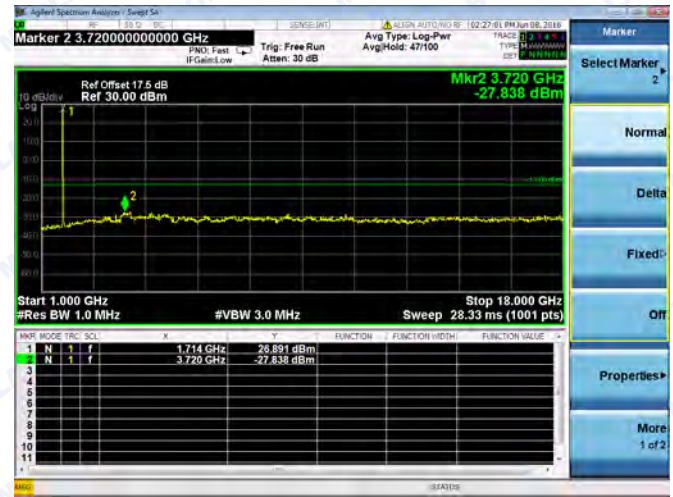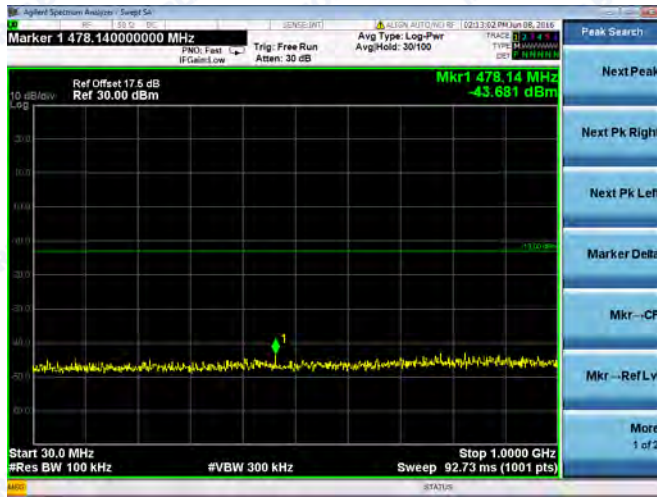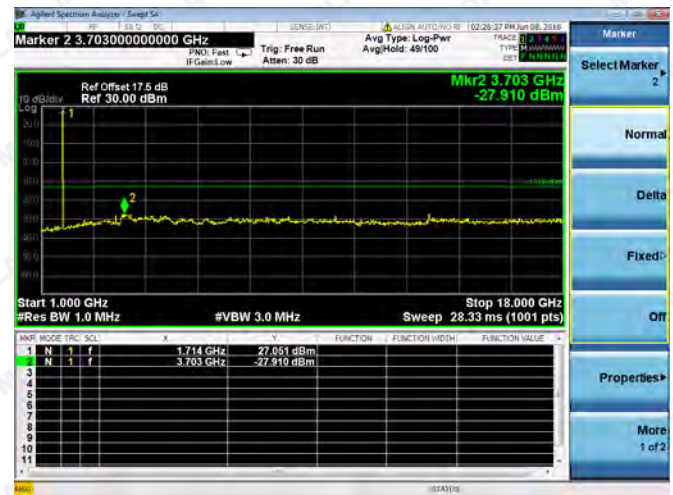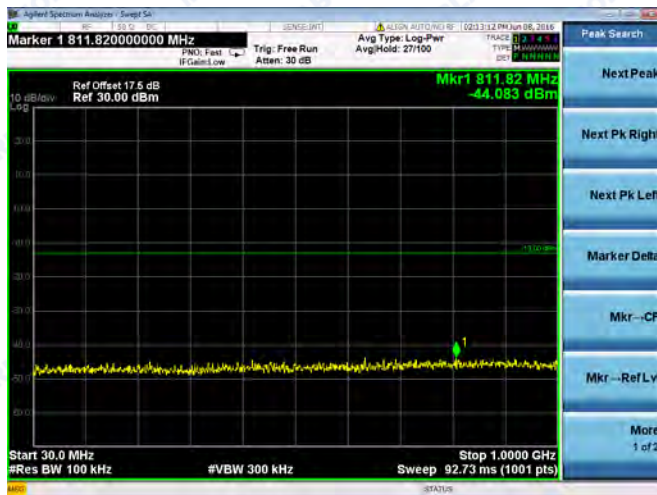
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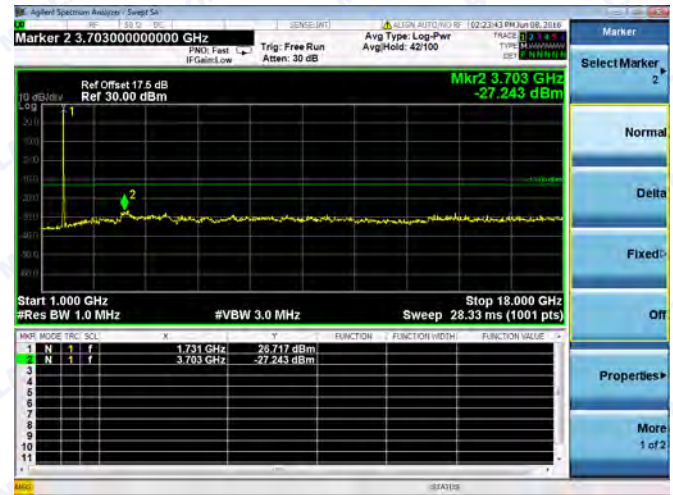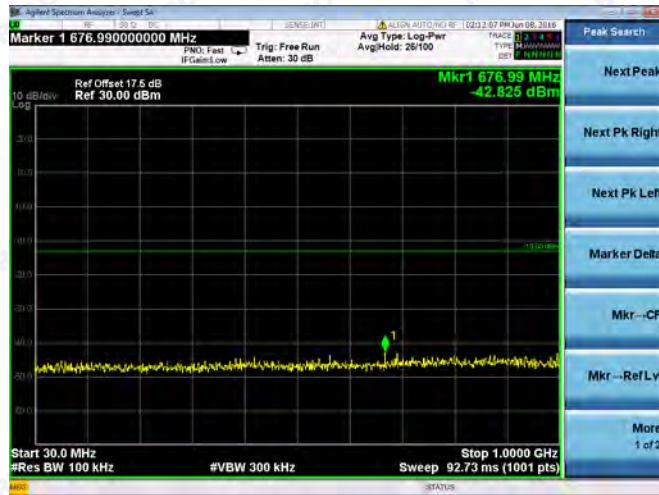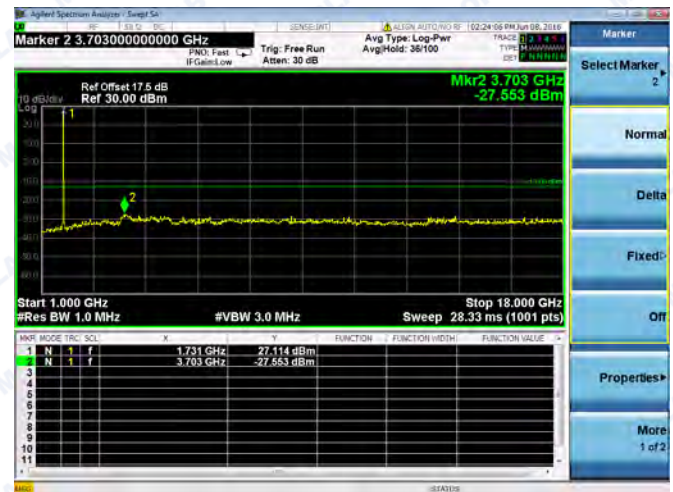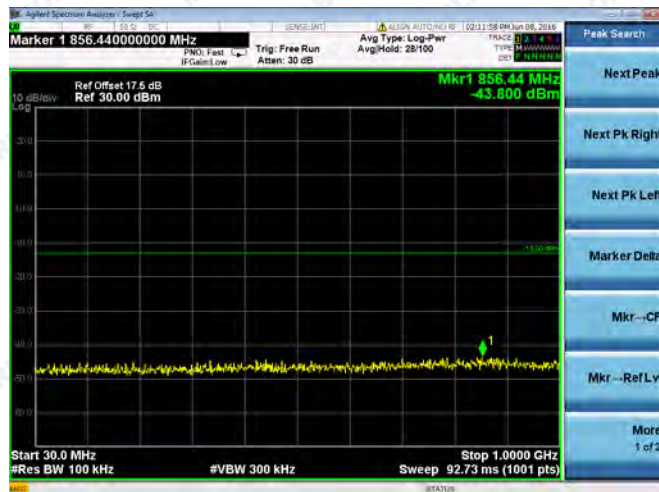
QPSK

16QAM

LTE Band 5   1.4MHz BW   Low Channel

QPSK

16QAM

LTE Band 5   3MHz BW   Low Channel
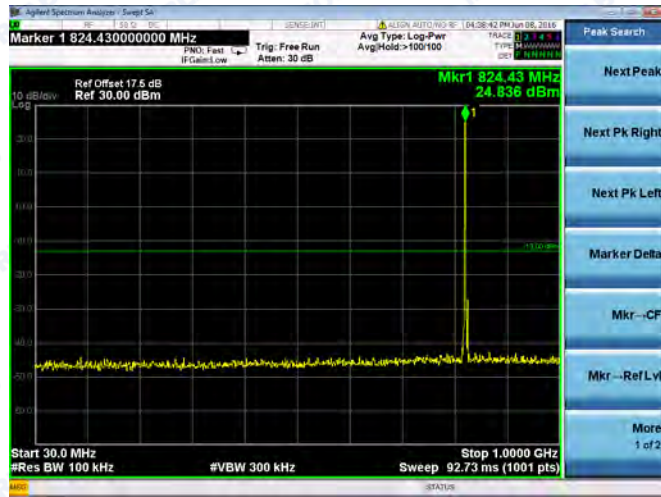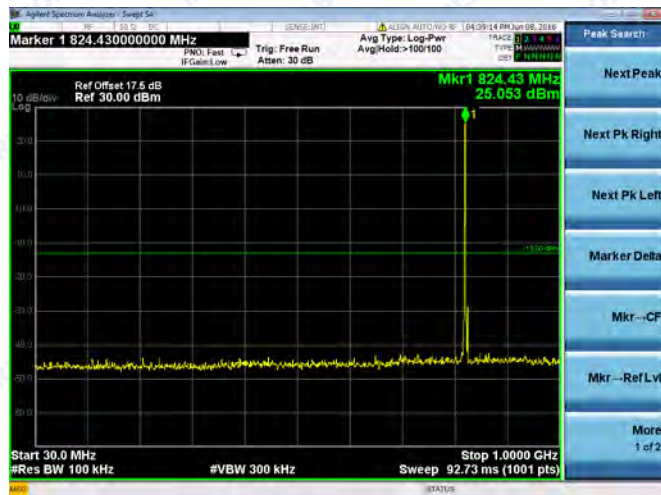
QPSK

16QAM

LTE Band 5   5MHz BW   Low Channel
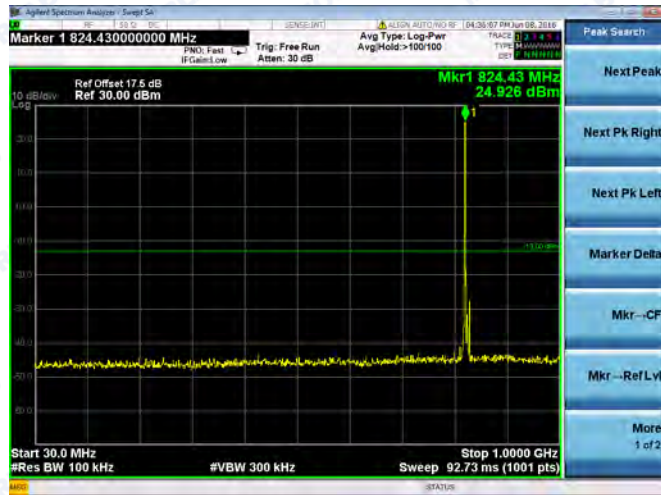
QPSK

16QAM

LTE Band 5   10MHz BW   Low Channel
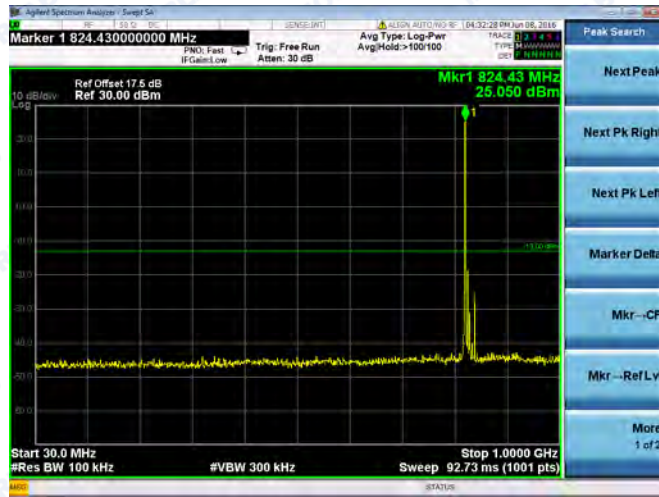
QPSK

16QAM

Middle channel:

LTE Band 5   1.4MHz BW   Mid Channel
QPSK
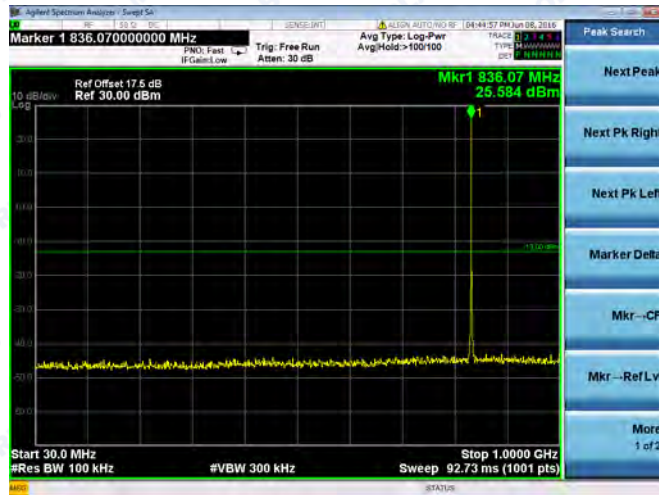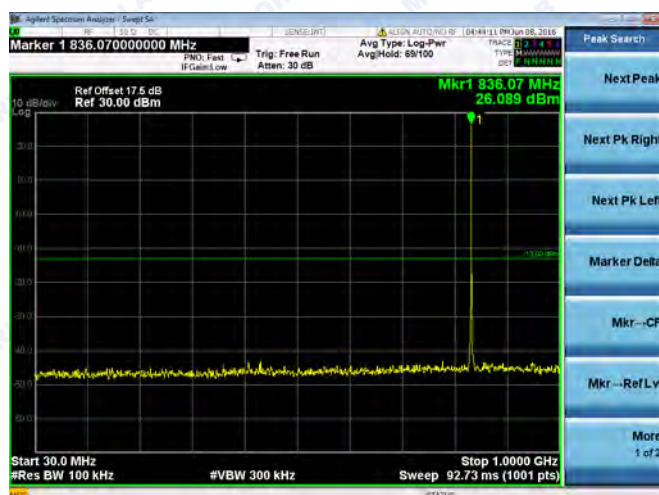
16QAM

LTE Band 5   3MHz BW   Mid Channel
QPSK

| **16QAM** |

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Page **127** 0f **204**
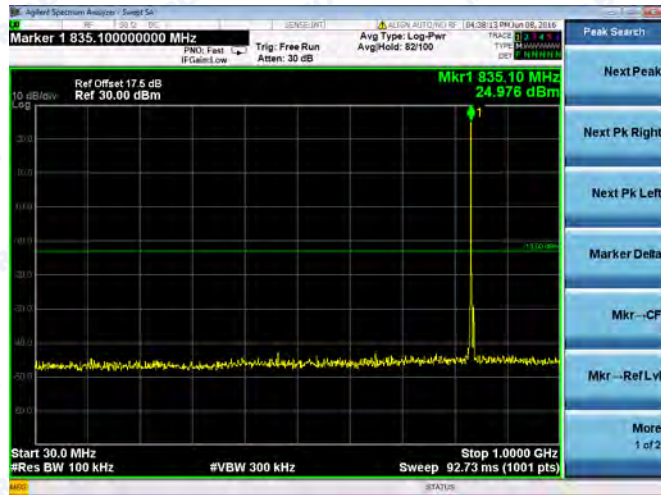
LTE Band 5　　5MHz BW　　Mid Channel

QPSK

16QAM

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Page **128** 0f **204**
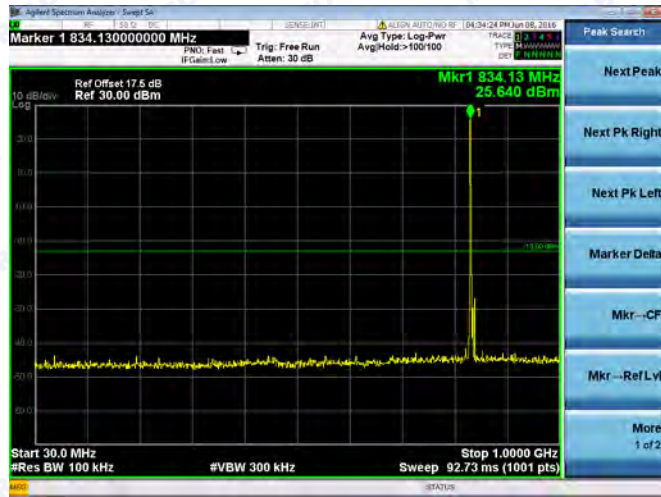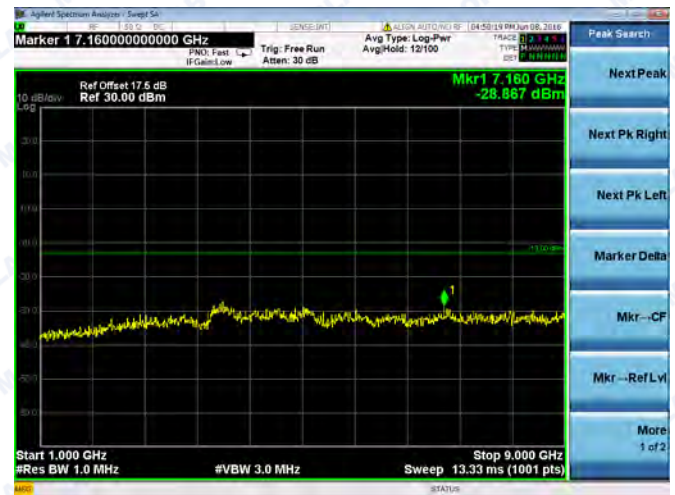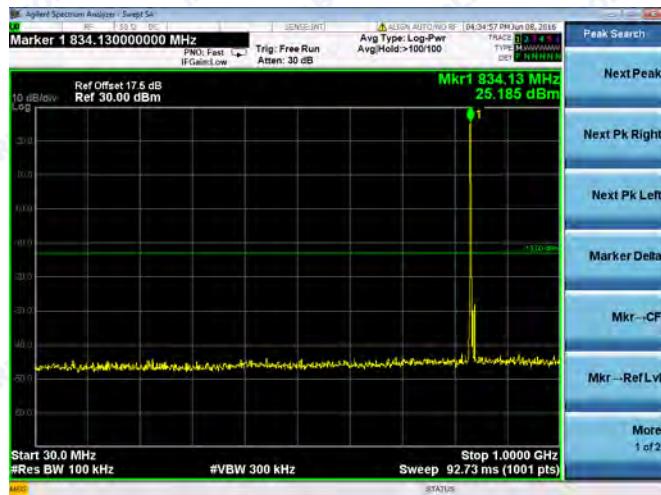
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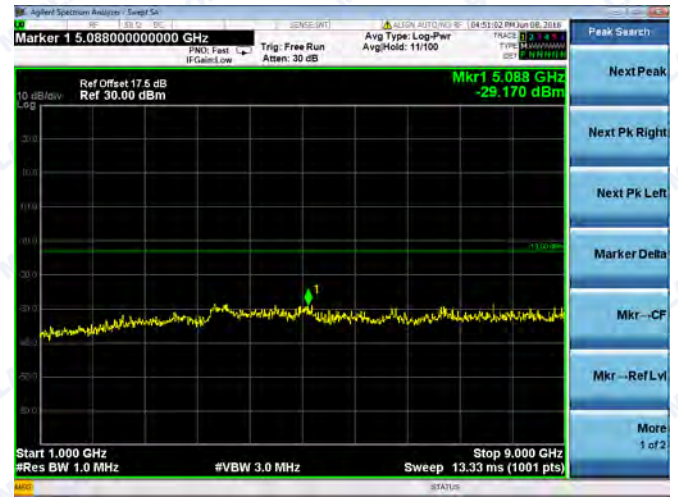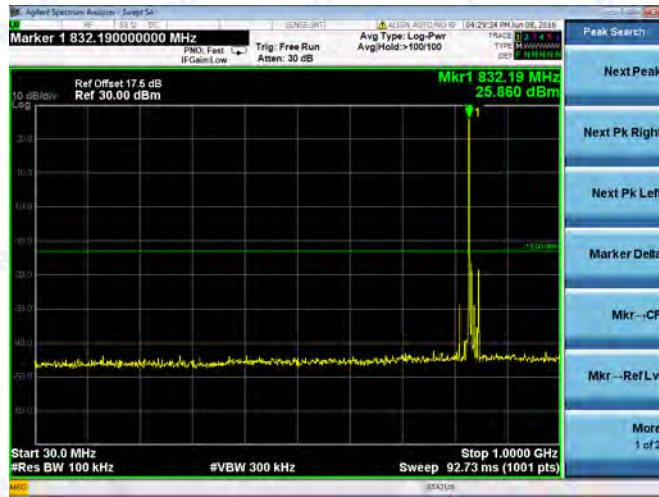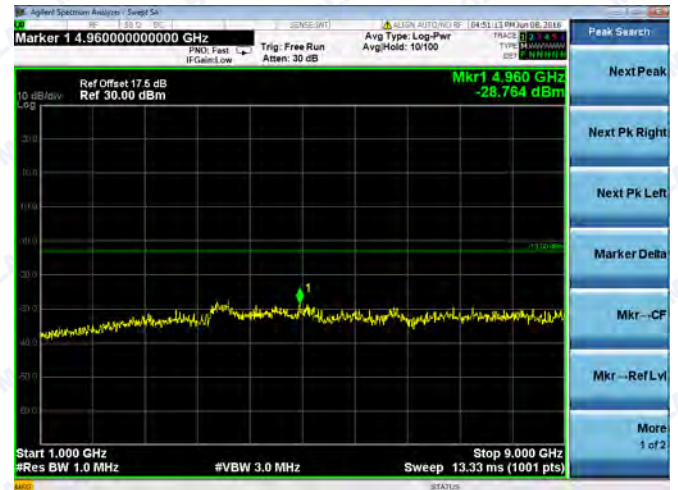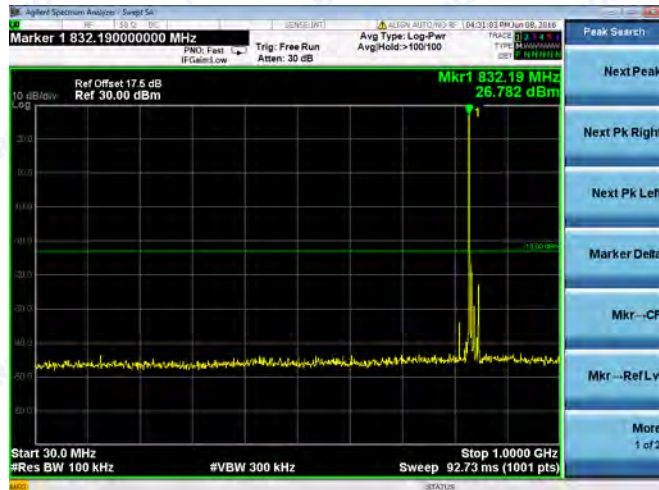
QPSK

16QAM

LTE Band 5   1.4MHz BW   High Channel
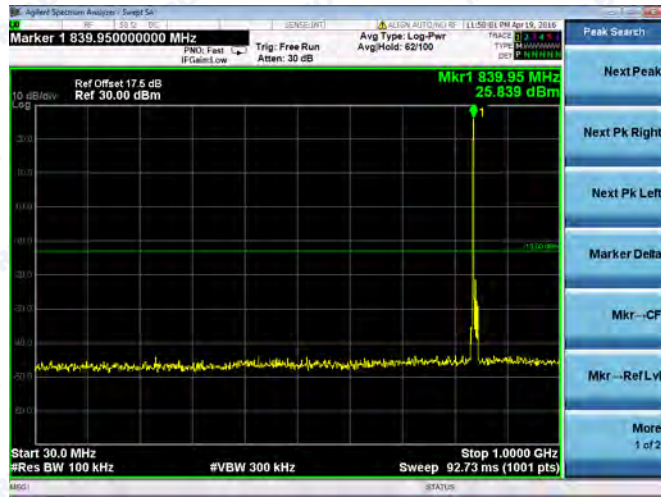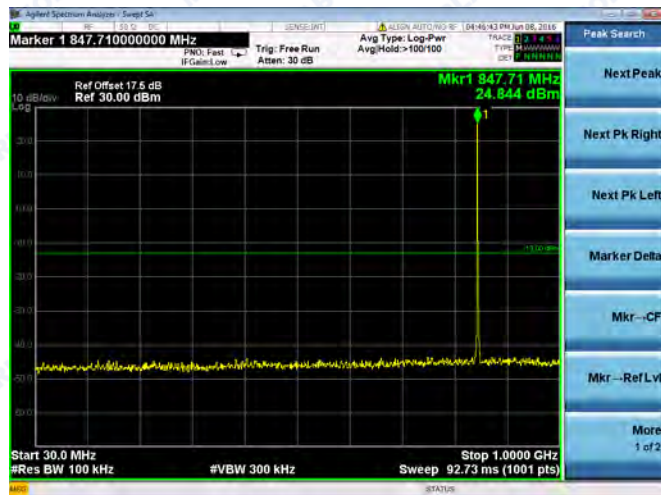
QPSK

16QAM

LTE Band 5   3MHz BW   High Channel
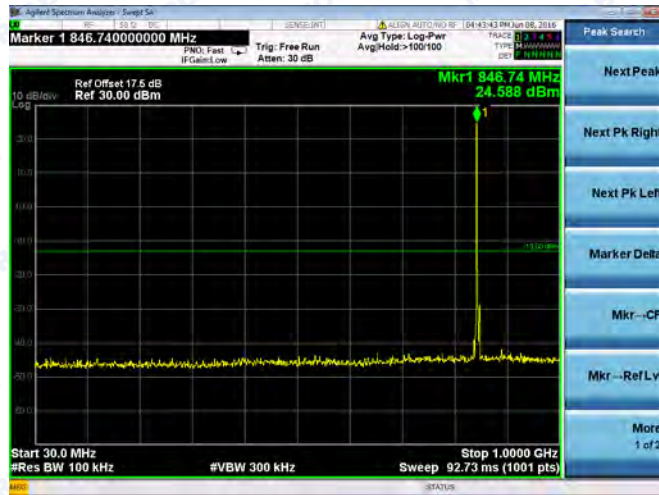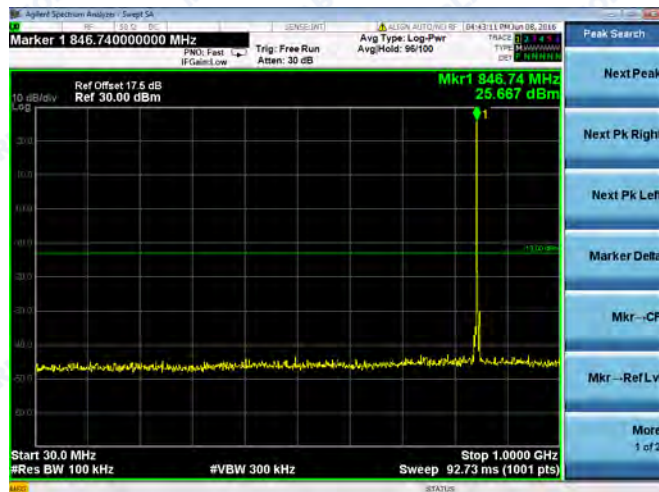
QPSK

16QAM

LTE Band 5   5MHz BW   High Channel

QPSK

16QAM

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Page **132** 0f **204**
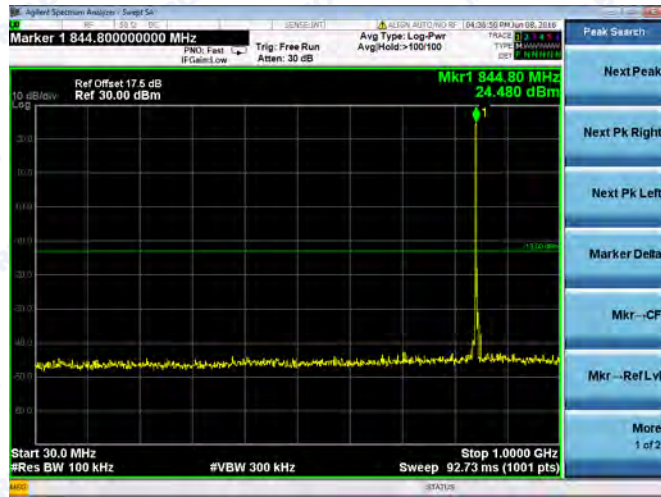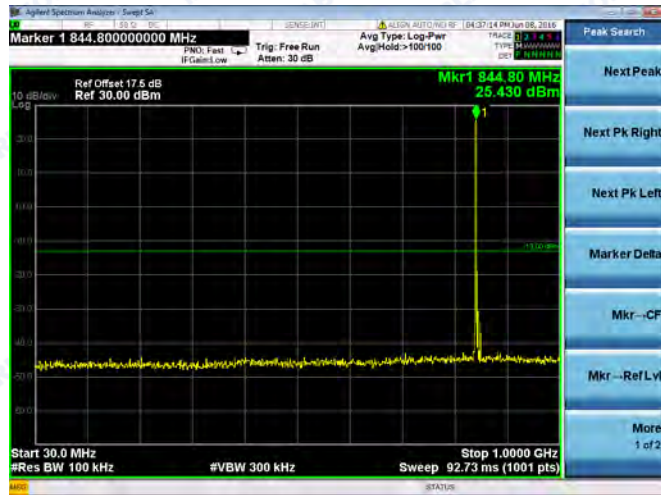
LTE Band 5   10MHz BW   High Channel
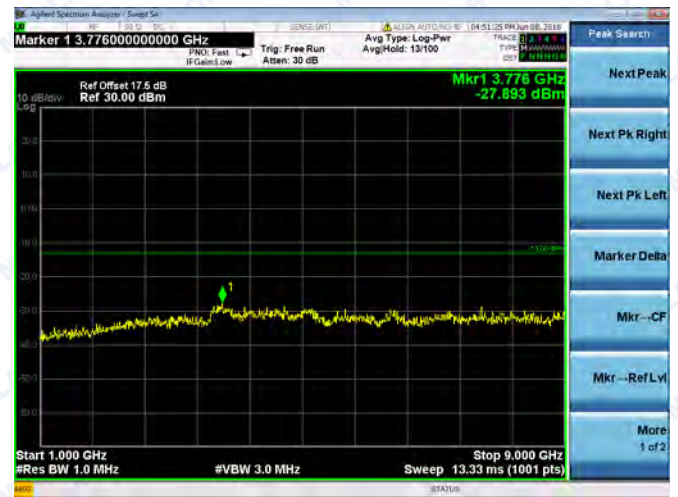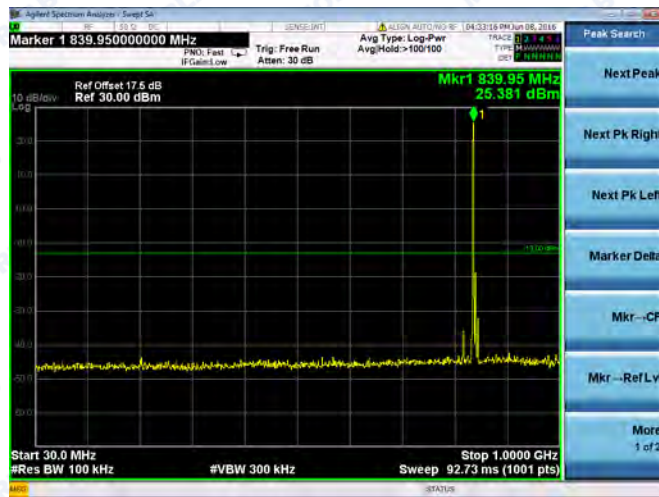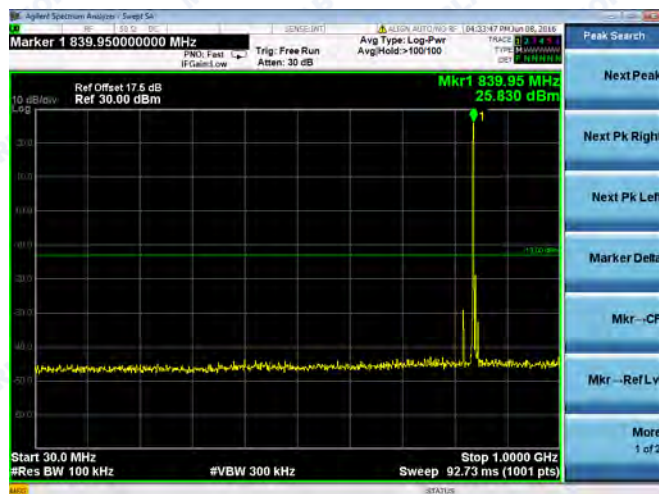
QPSK

16QAM

LTE Band 17   5MHz BW   Low Channel

QPSK

16QAM

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Page **134** 0f **204**
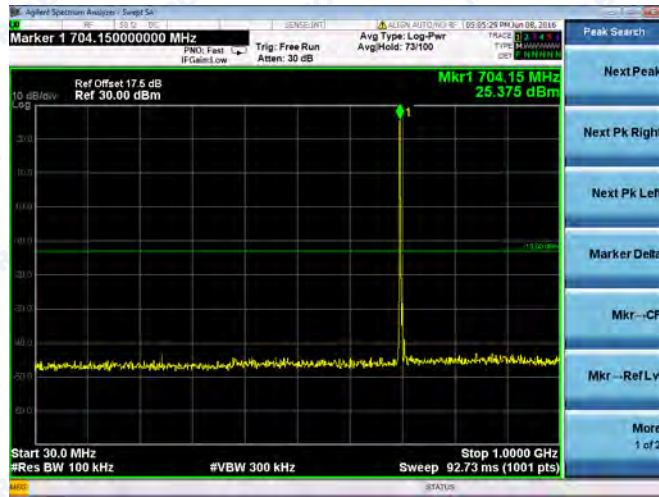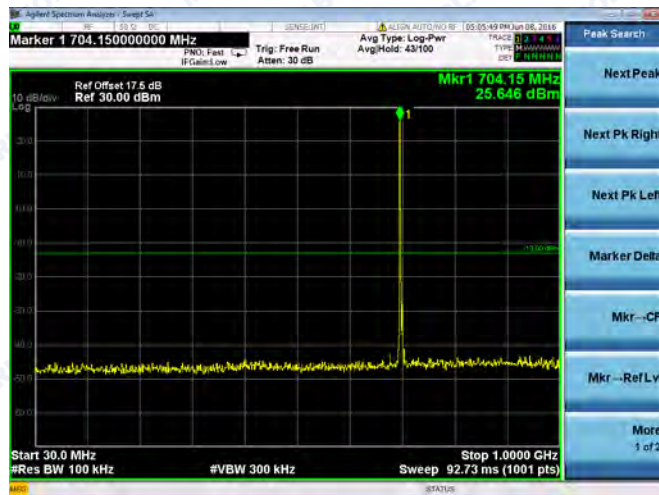
LTE Band 17   10MHz BW   Low Channel

QPSK

16QAM

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Page **135** 0f **204**
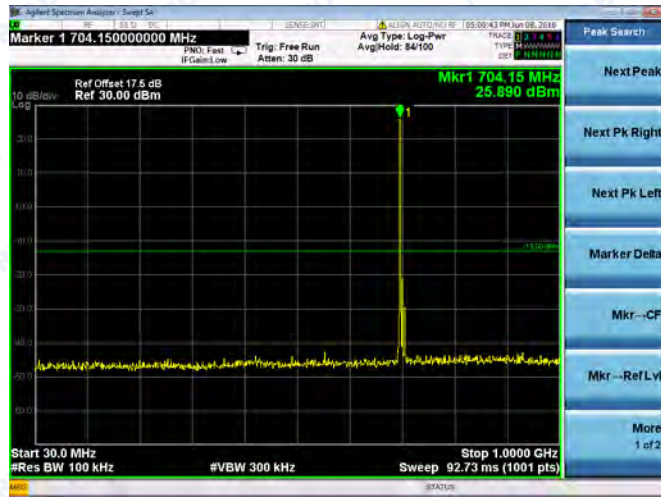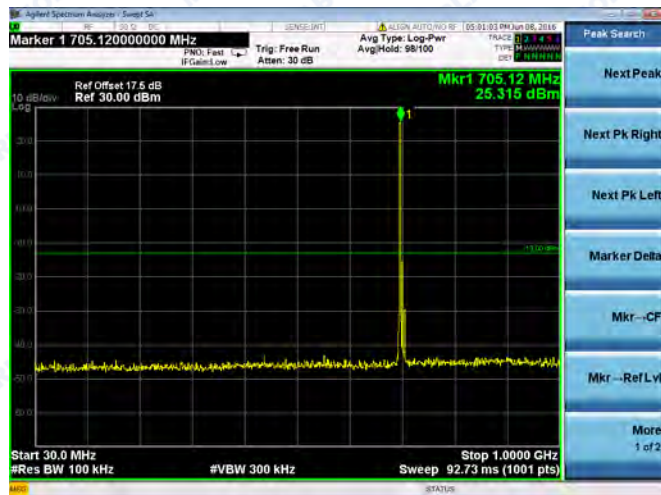
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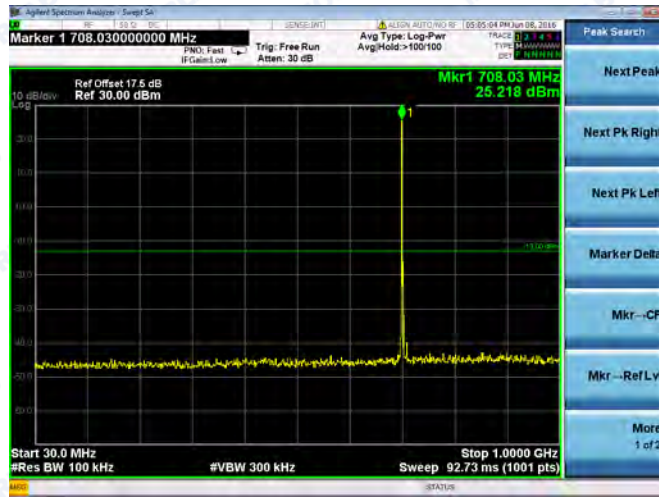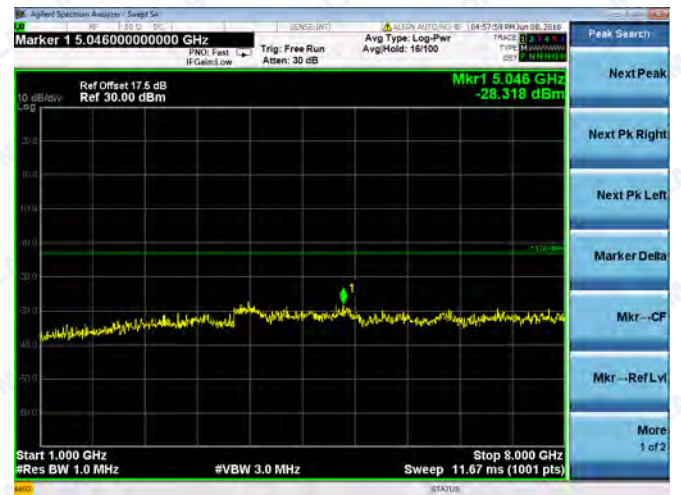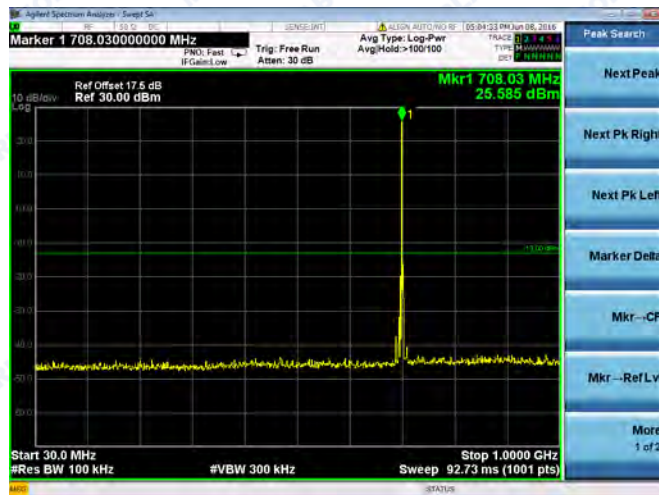
QPSK

16QAM

LTE Band 17   10MHz BW   Mid Channel
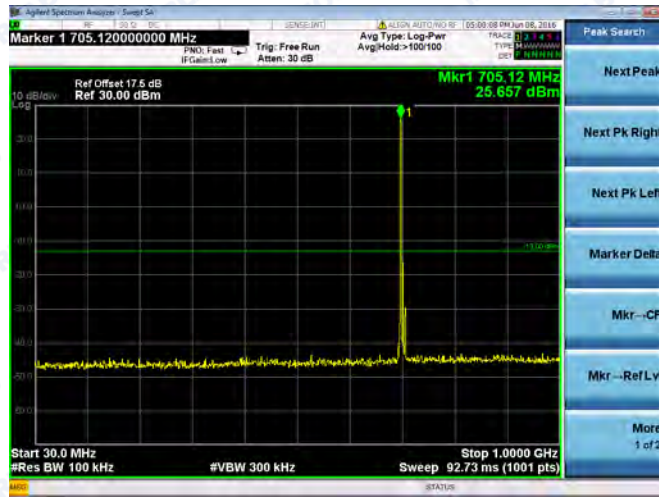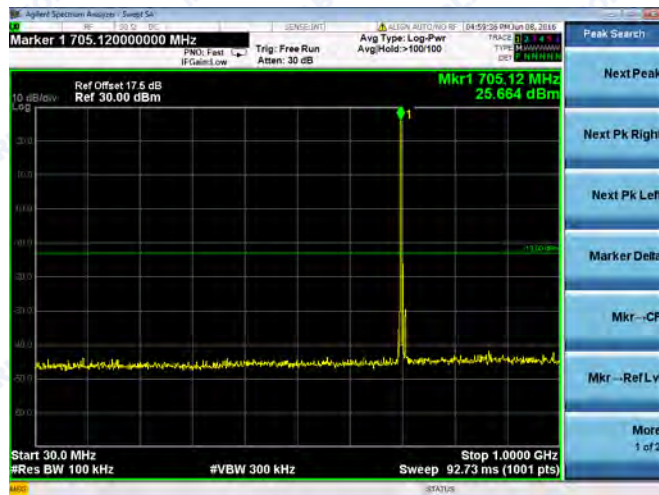
QPSK

16QAM

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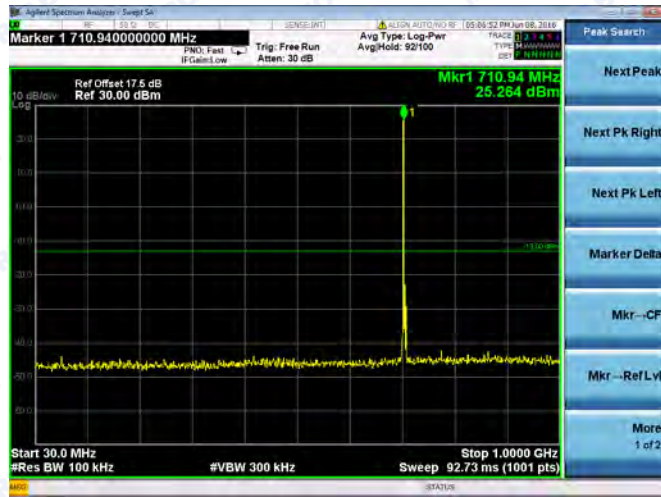
QPSK

16QAM

LTE Band 17   10MHz BW   High Channel

QPSK
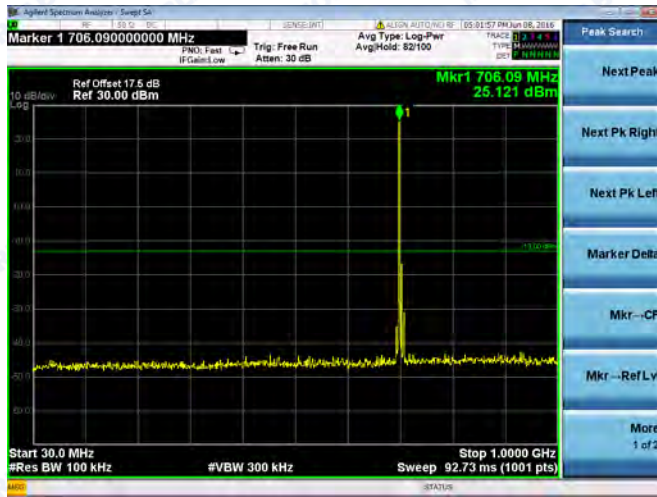
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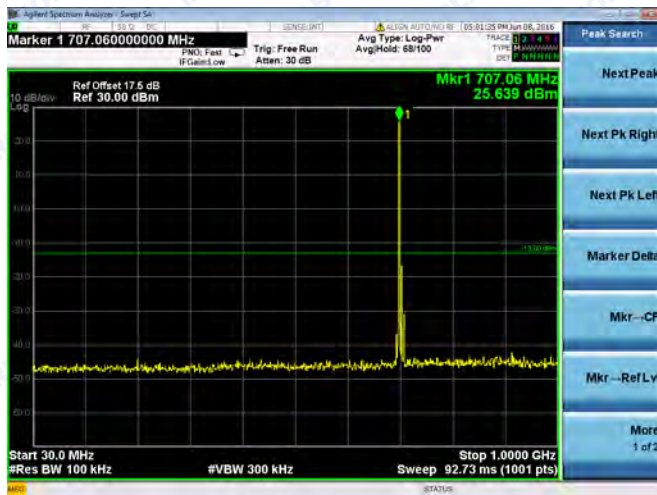
2.6   Band Edge
2.6.1   Requirement

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 log10(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 that 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
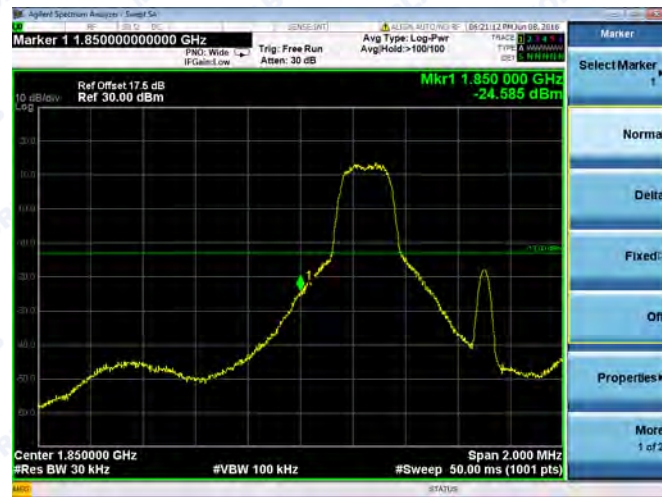
Channel Bandwidth: 1.4MHz							
Channel	19192	RB Size 1	RB Offset 5	Channel	19192	RB Size 6	RB Offset 0

LTE Band 2

Channel Bandwidth: 3MHz

Channel	18165	RB Size 1	RB Offset 0	Channel	18165	RB Size 15	RB Offset 0

Channel Bandwidth: 3MHz

Channel	19184	RB Size 1	RB Offset 14	Channel	19184	RB Size 15	RB Offset 0

LTE Band 2							

Channel Bandwidth: 5MHz

Channel	18625	RB Size 1	RB Offset 0	Channel	18625	RB Size 25	RB Offset 0

Channel Bandwidth: 5MHz

Channel	19175	RB Size 1	RB Offset 24	Channel	19175	RB Size 25	RB Offset 0

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Page **143** 0f **204**

LTE Band 2

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

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	18675	RB Size 1	RB Offset 0	Channel	18675	RB Size 75	RB Offset 0

Channel Bandwidth: 15MHz							
Channel	19125	RB Size 1	RB Offset 74	Channel	19125	RB Size 75	RB Offset 0

LTE Band 2

Channel Bandwidth: 20MHz

Channel	18700	RB Size 1	RB Offset 0	Channel	18700	RB Size 100	RB Offset 0

Channel Bandwidth: 20MHz

Channel	19100	RB Size 1	RB Offset 99	Channel	19100	RB Size 100	RB Offset 0

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Page **146** 0f **204**

LTE Band 4

Channel Bandwidth: 1.4MHz

Channel	19957	RB Size 1	RB Offset 0	Channel	20393	RB Size 6	RB Offset 0

Channel Bandwidth: 1.4MHz

Channel	19957	RB Size 1	RB Offset 5	Channel	20393	RB Size 6	RB Offset 0

LTE Band 4

Channel Bandwidth: 3MHz						
Channel	19965	RB Size 1	RB Offset 0	Channel	20385	RB Size 15	RB Offset 0

Channel Bandwidth: 3MHz						
Channel	19965	RB Size 1	RB Offset 14	Channel	20385	RB Size 15	RB Offset 0
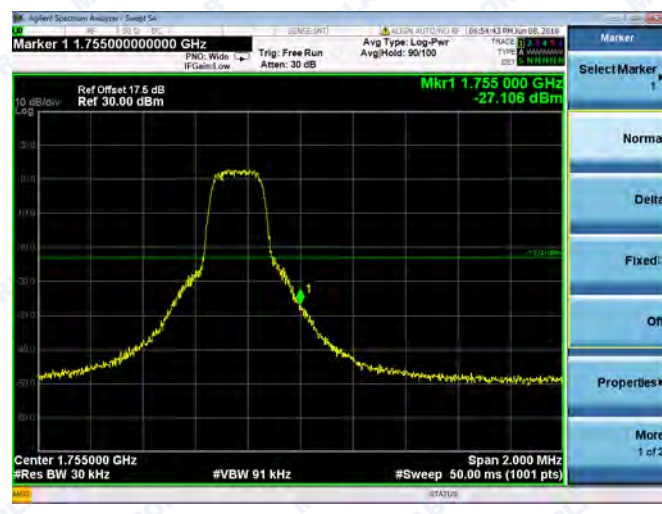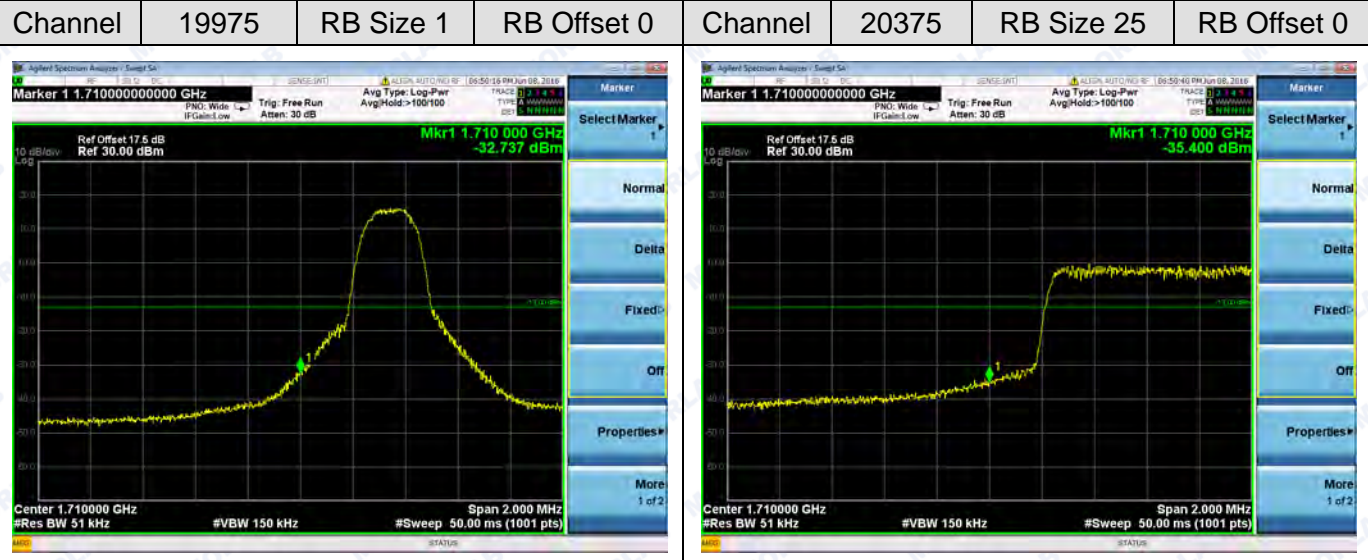
LTE Band 4

Channel Bandwidth: 5MHz							
Channel	19975	RB Size 1	RB Offset 0	Channel	20375	RB Size 25	RB Offset 0

Channel Bandwidth: 5MHz							
Channel	19975	RB Size 1	RB Offset 24	Channel	20375	RB Size 25	RB Offset 0

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Page **149** 0f **204**

LTE Band 4							
Channel Bandwidth: 10MHz							
Channel	20000	RB Size 1	RB Offset 0	Channel	20350	RB Size 50	RB Offset 0

Channel Bandwidth: 10MHz							
Channel	20000	RB Size 1	RB Offset 49	Channel	20350	RB Size 50	RB Offset 0
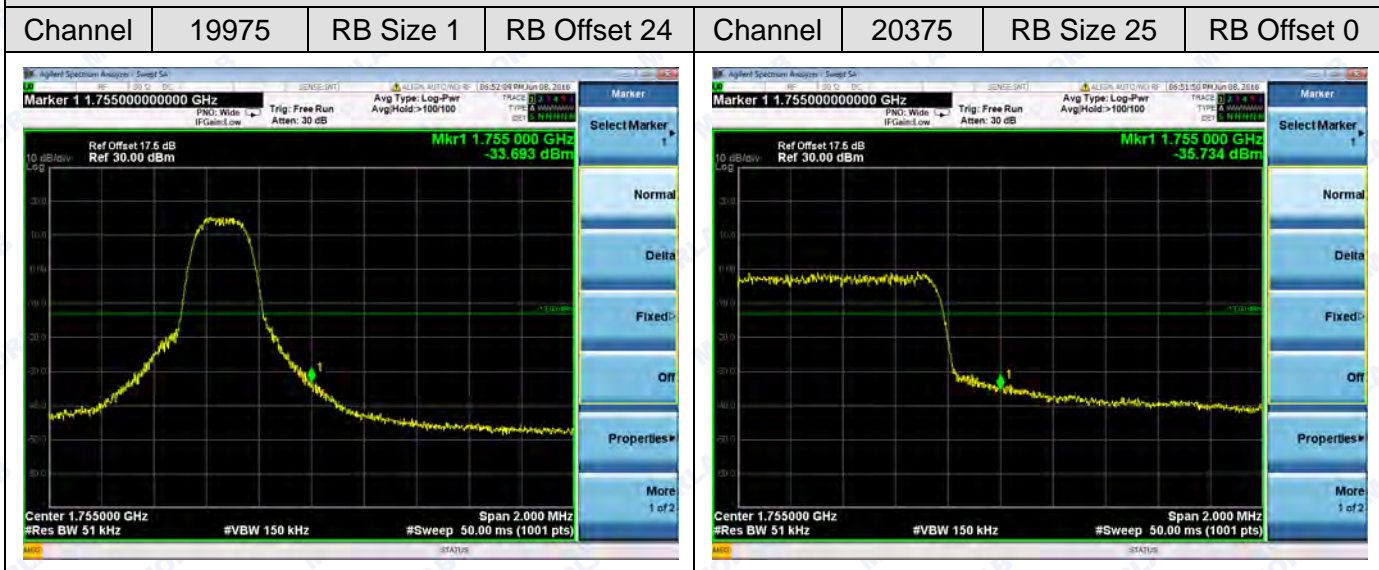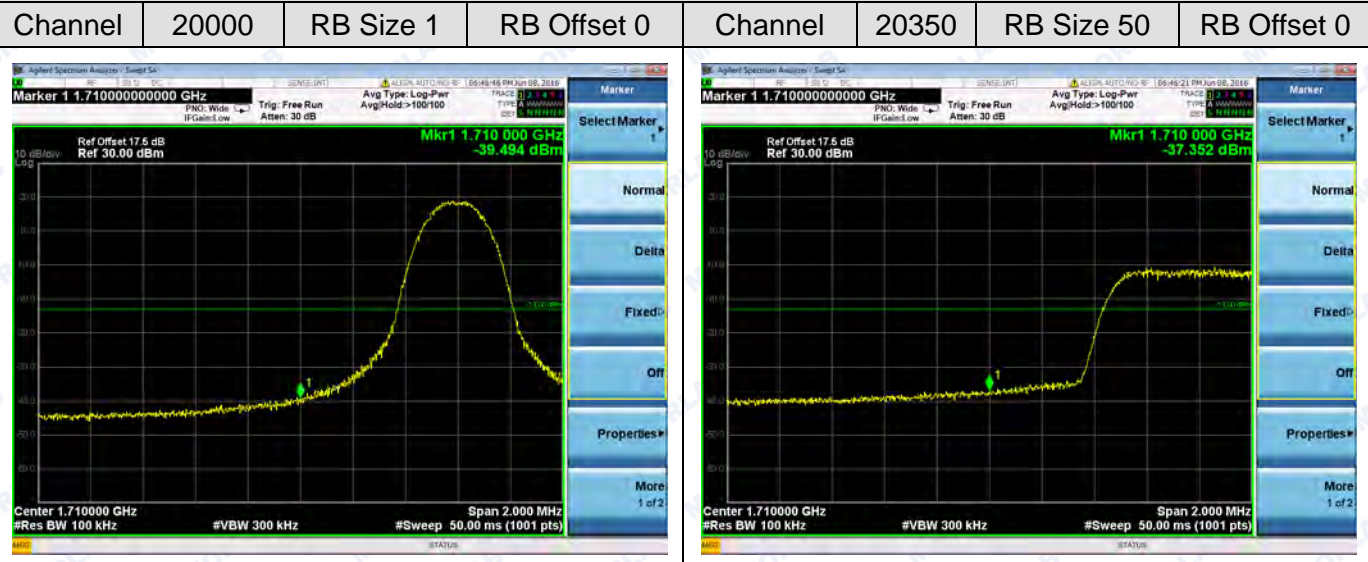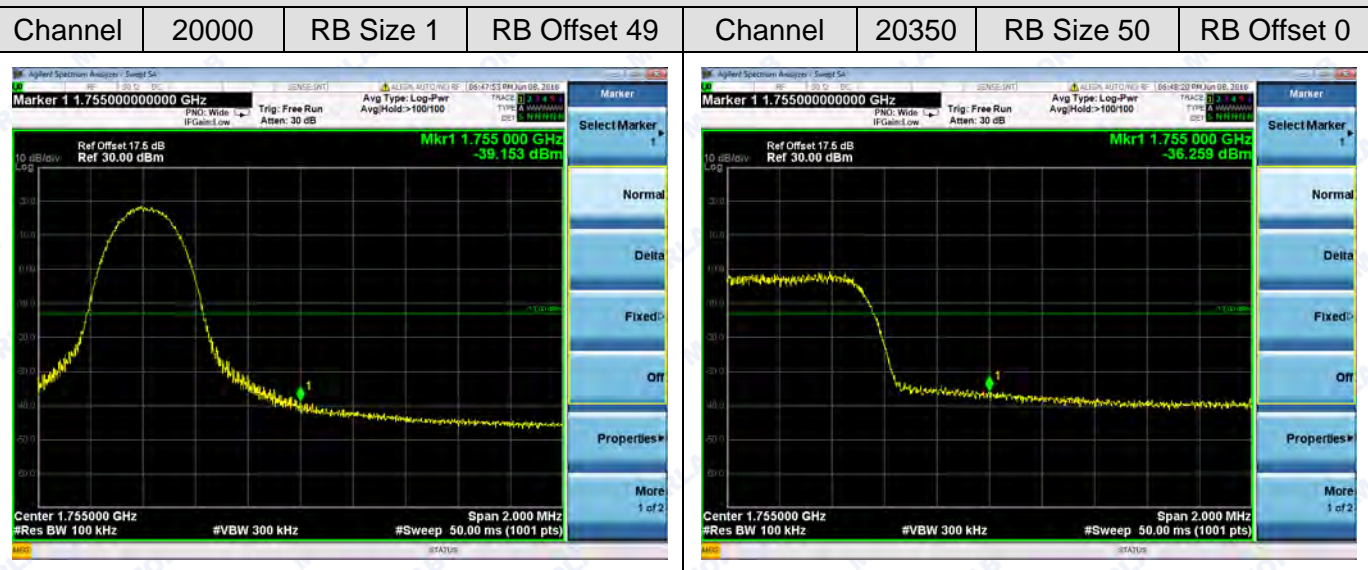
LTE Band 4

Channel Bandwidth: 15MHz							
Channel	20025	RB Size 1	RB Offset 0	Channel	20325	RB Size 75	RB Offset 0

Channel Bandwidth: 15MHz							
Channel	20025	RB Size 1	RB Offset 74	Channel	20325	RB Size 75	RB Offset 0
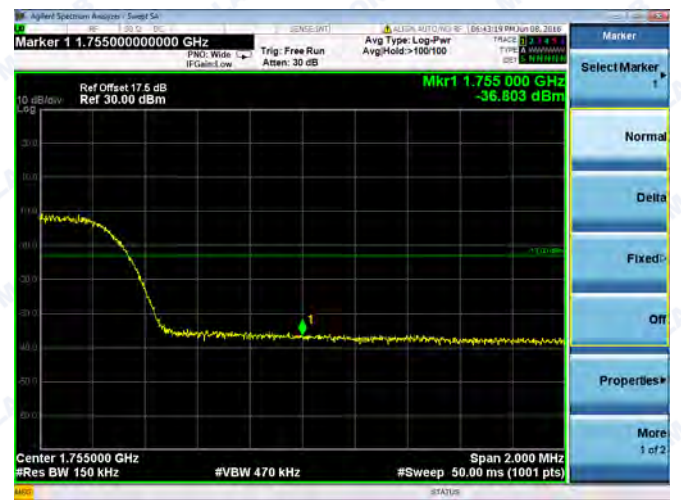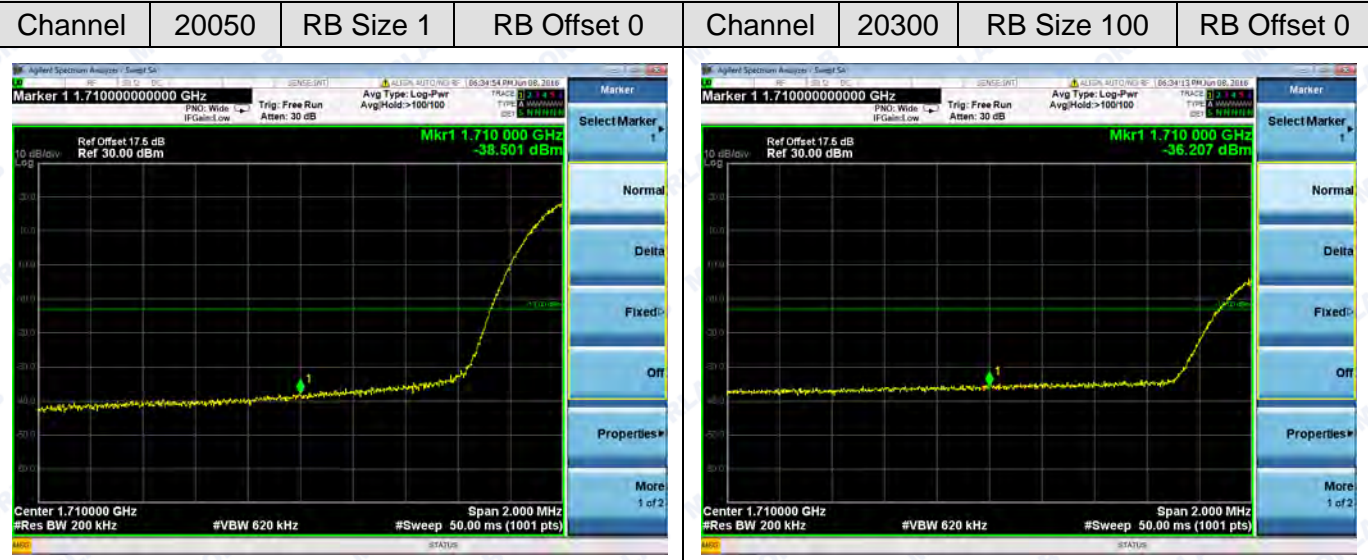
LTE Band 4							
Channel Bandwidth: 20MHz							
Channel	20050	RB Size 1	RB Offset 0	Channel	20300	RB Size 100	RB Offset 0

Channel Bandwidth: 20MHz							
Channel	20050	RB Size 1	RB Offset 99	Channel	20300	RB Size 100	RB Offset 0

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Page **152** 0f **204**

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
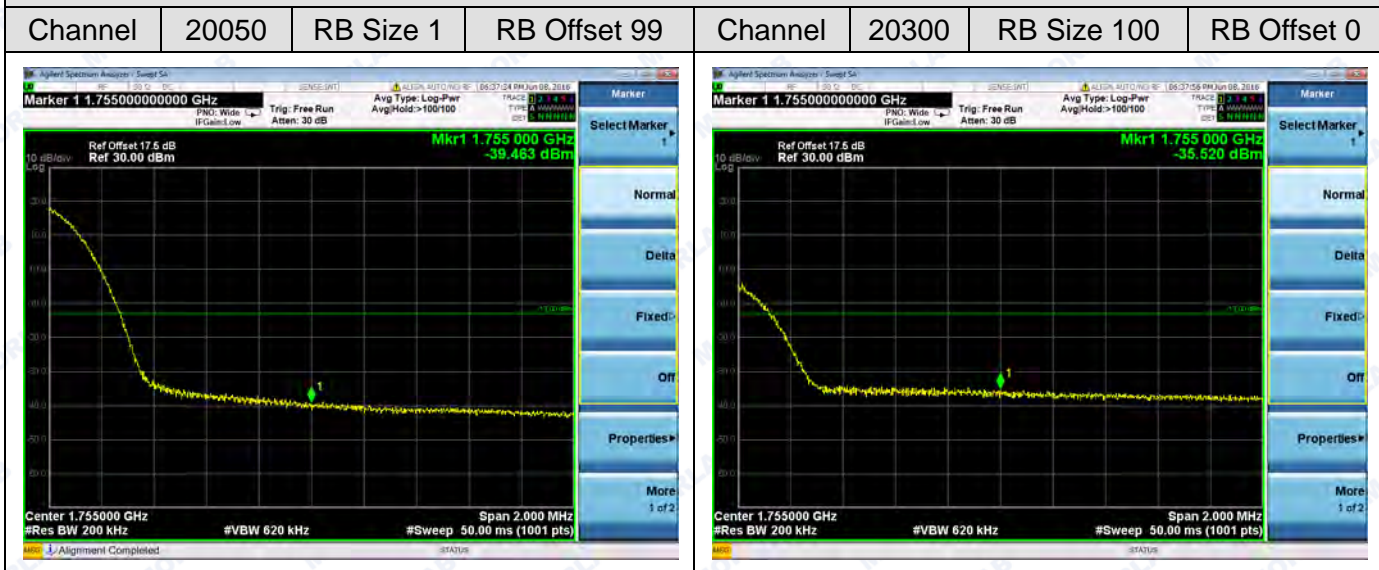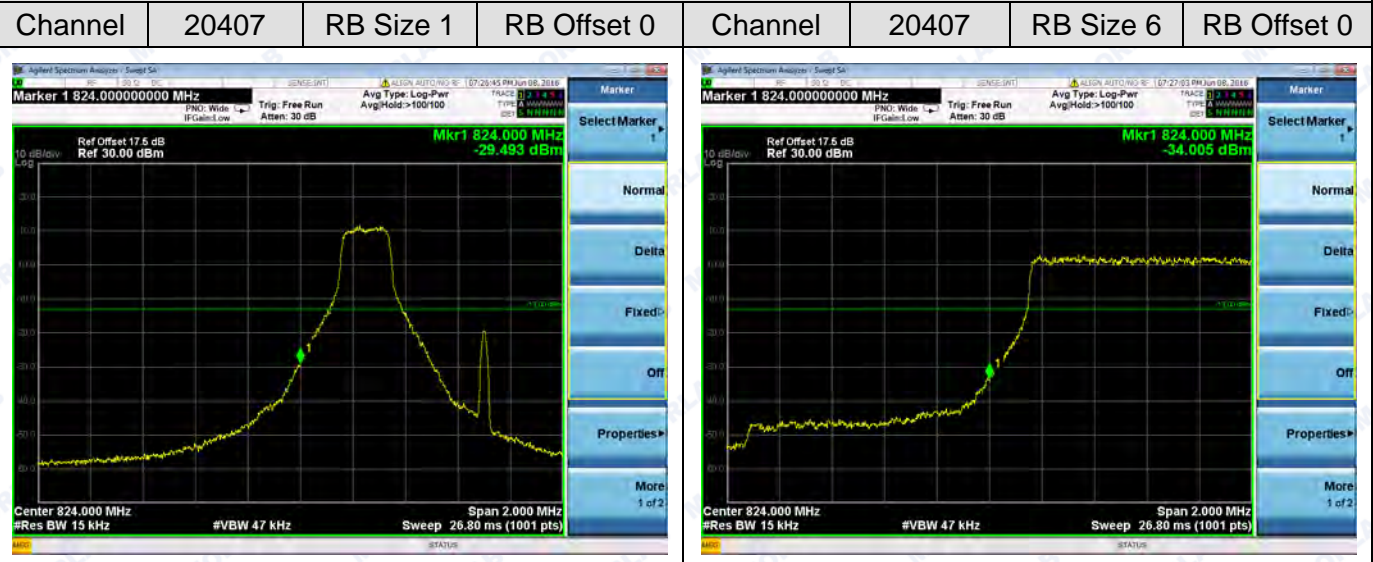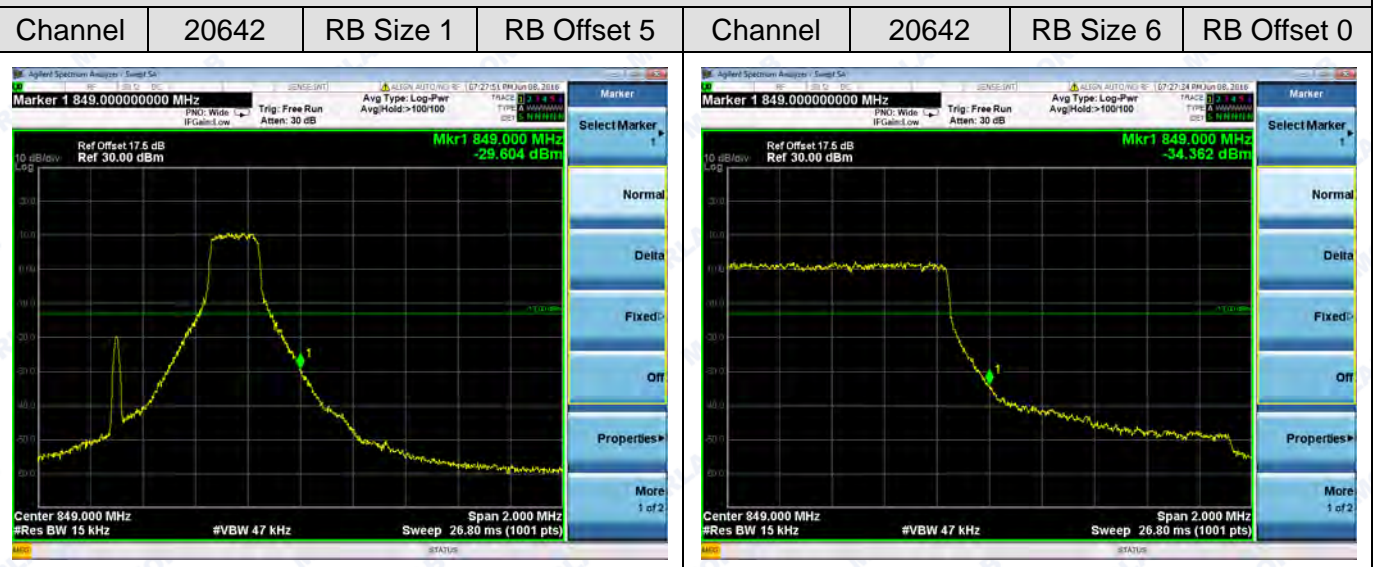
LTE Band 5

Channel Bandwidth: 3MHz							
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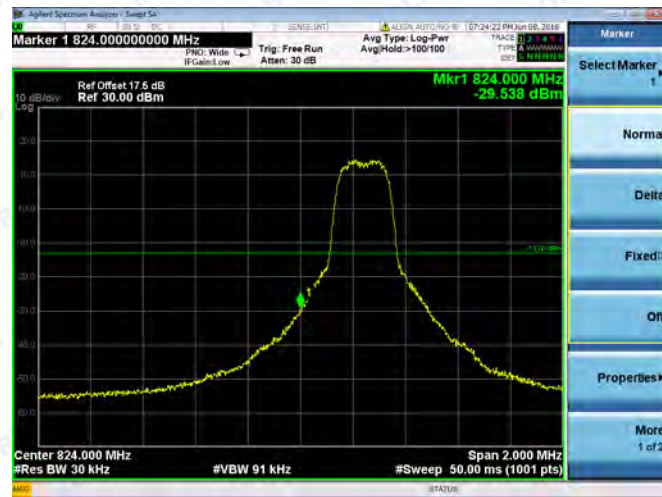
Channel Bandwidth: 3MHz							
Channel	20634	RB Size 1	RB Offset 14	Channel	20634	RB Size 15	RB Offset 0
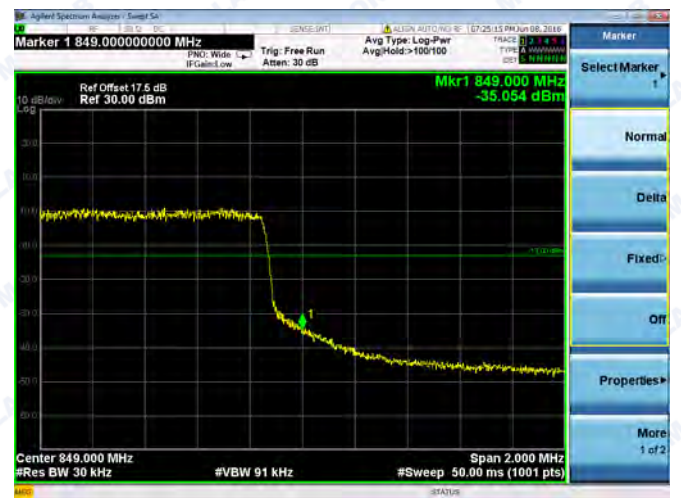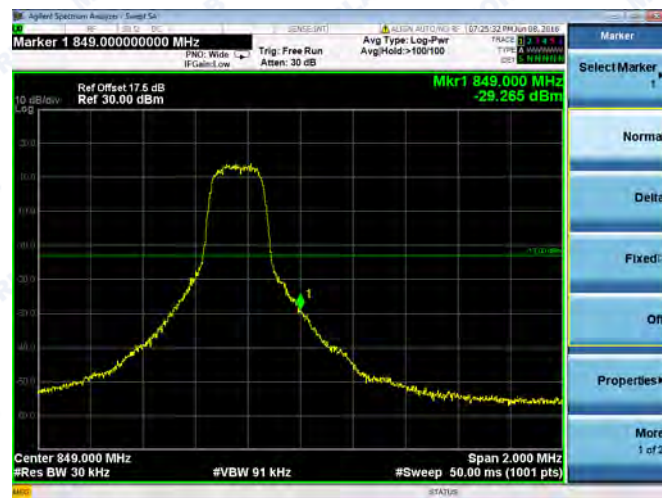
LTE Band 5

Channel Bandwidth: 5MHz							
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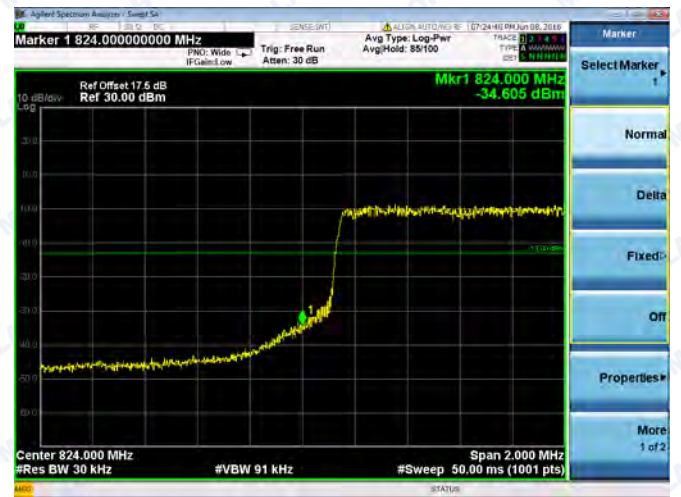| Channel Bandwidth: 5MHz							
Channel	20625	RB Size 1	RB Offset 24	Channel	20625	RB Size 25	RB Offset 0

LTE Band 5

Channel Bandwidth: 10MHz

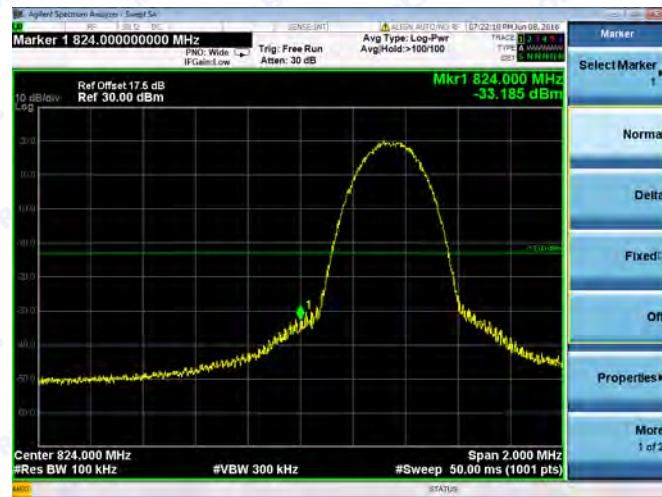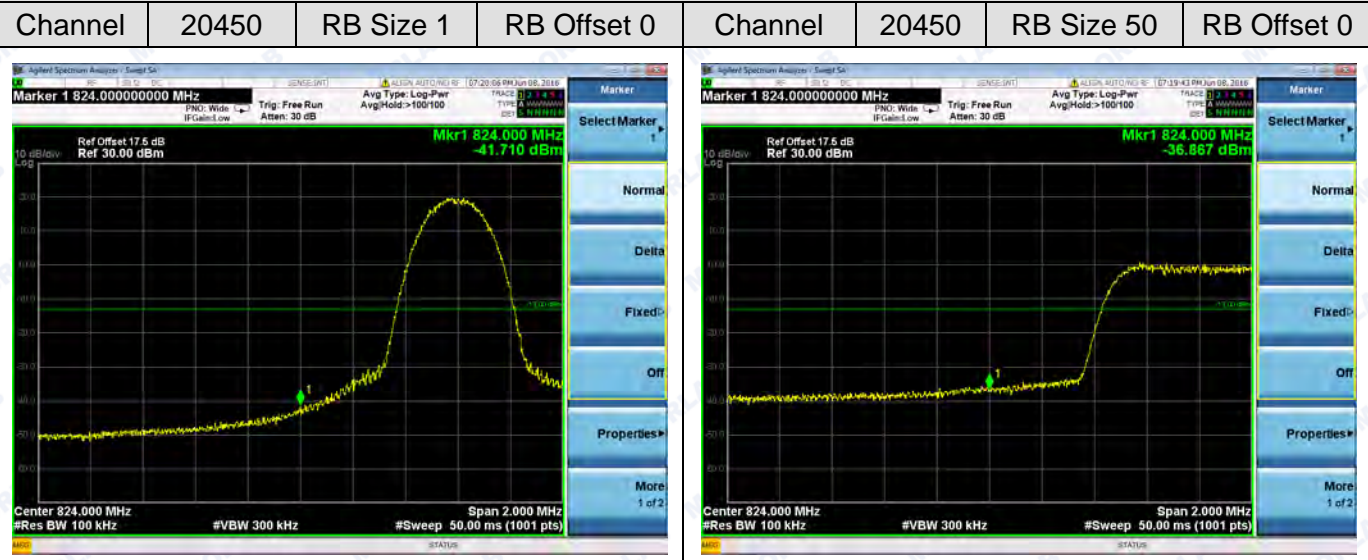| Channel	20450	RB Size 1	RB Offset 0	Channel	20450	RB Size 50	RB Offset 0

Channel Bandwidth: 10MHz

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