

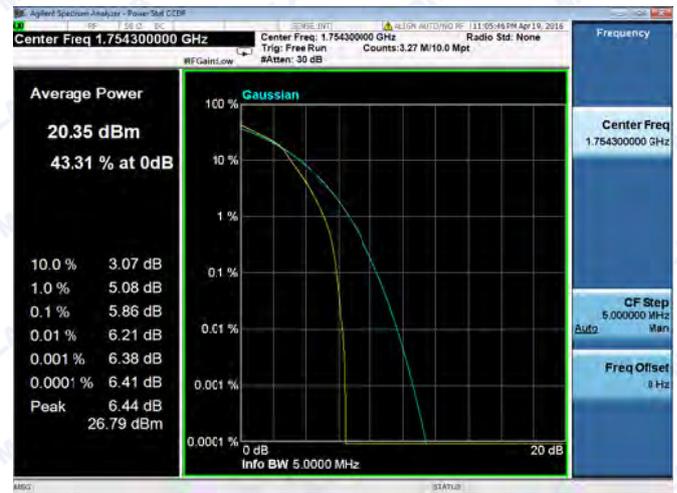
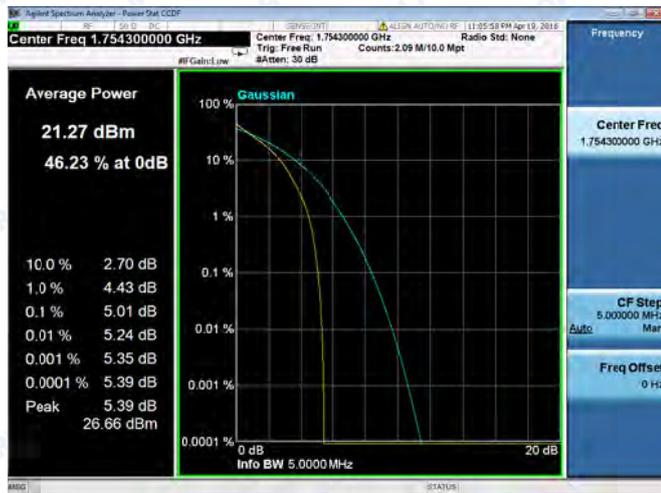


LTE Band 4 High channel							
Channel Bandwidth: 1.4MHz				Channel Bandwidth: 3MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20393	1754.3	5.01	5.86	20385	1753.5	5.12	6.04

Spectrum Plot of Worst Value

1.4MHz/QPSK

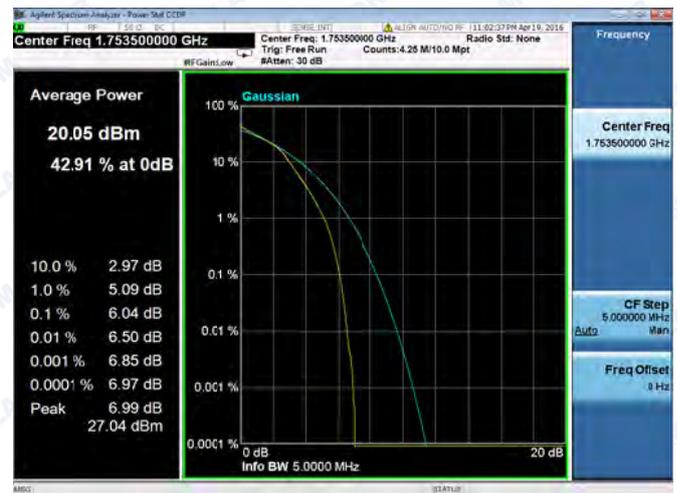
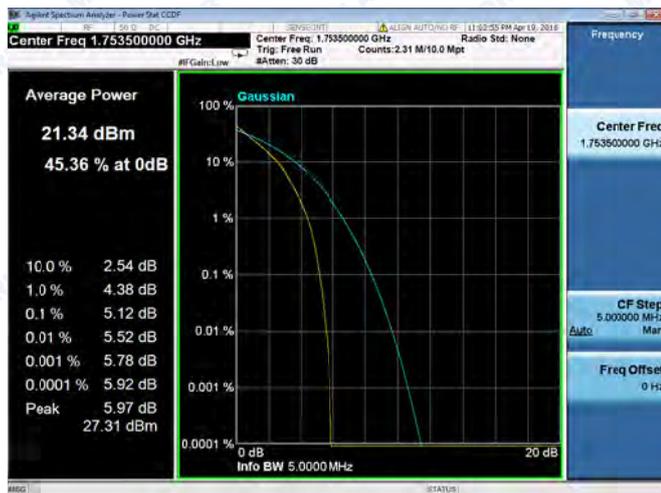
1.4MHz/16QAM



Spectrum Plot of Worst Value

3MHz/QPSK

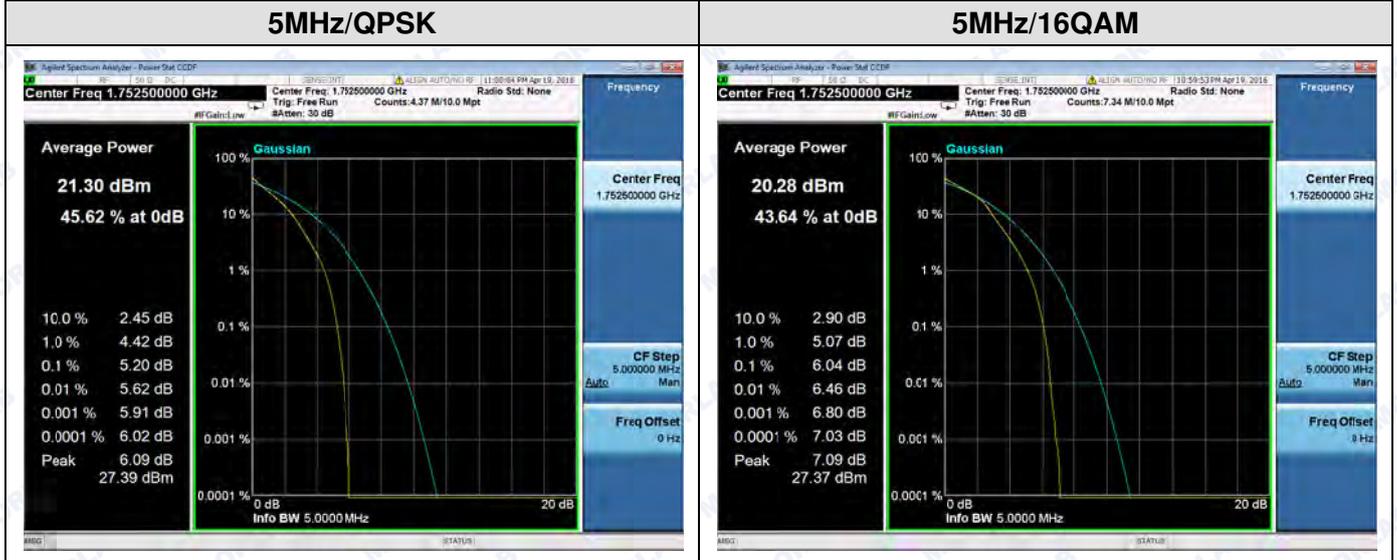
3MHz/16QAM





LTE Band 4 High channel							
Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20375	1752.5	5.20	6.04	20350	1750.0	4.65	6.10

**Spectrum Plot of Worst Value**

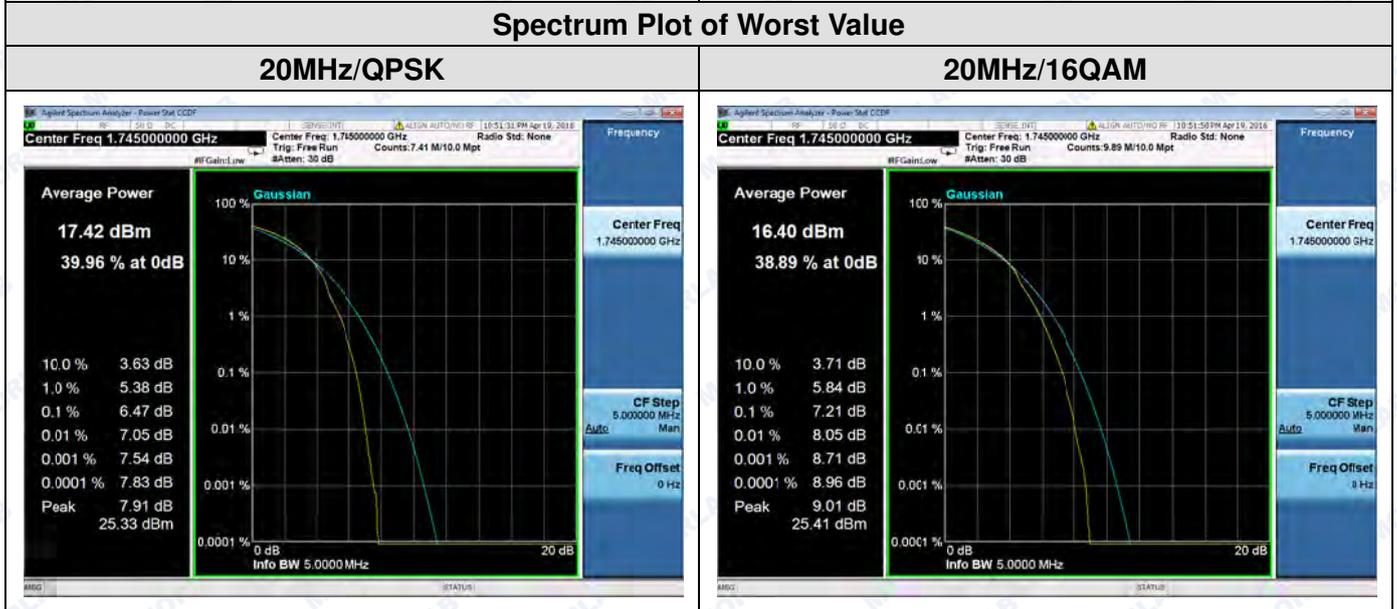
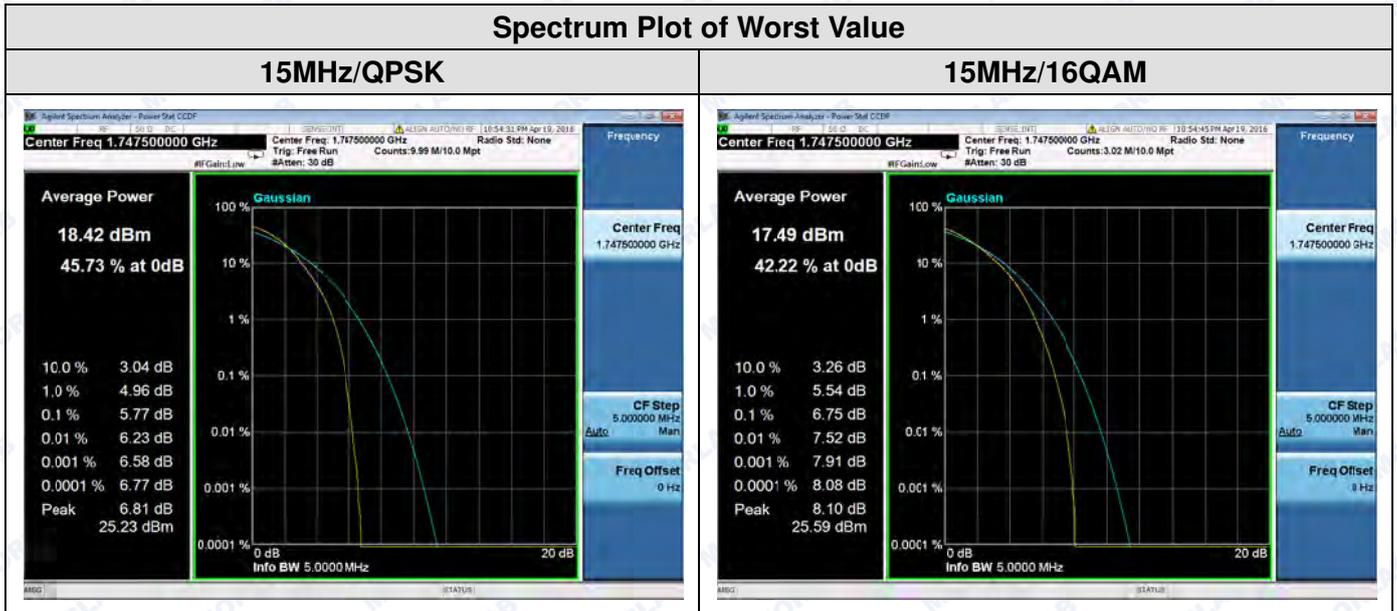


**Spectrum Plot of Worst Value**





LTE Band 4 High channel							
Channel Bandwidth: 15MHz				Channel Bandwidth: 20MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20325	1747.5	5.77	6.75	20300	1745.0	6.47	7.21





## 2.5 Conducted Spurious Emissions

### 2.5.1 Test Requirement

According to FCC section 2.1051 and 27.53(g), 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.

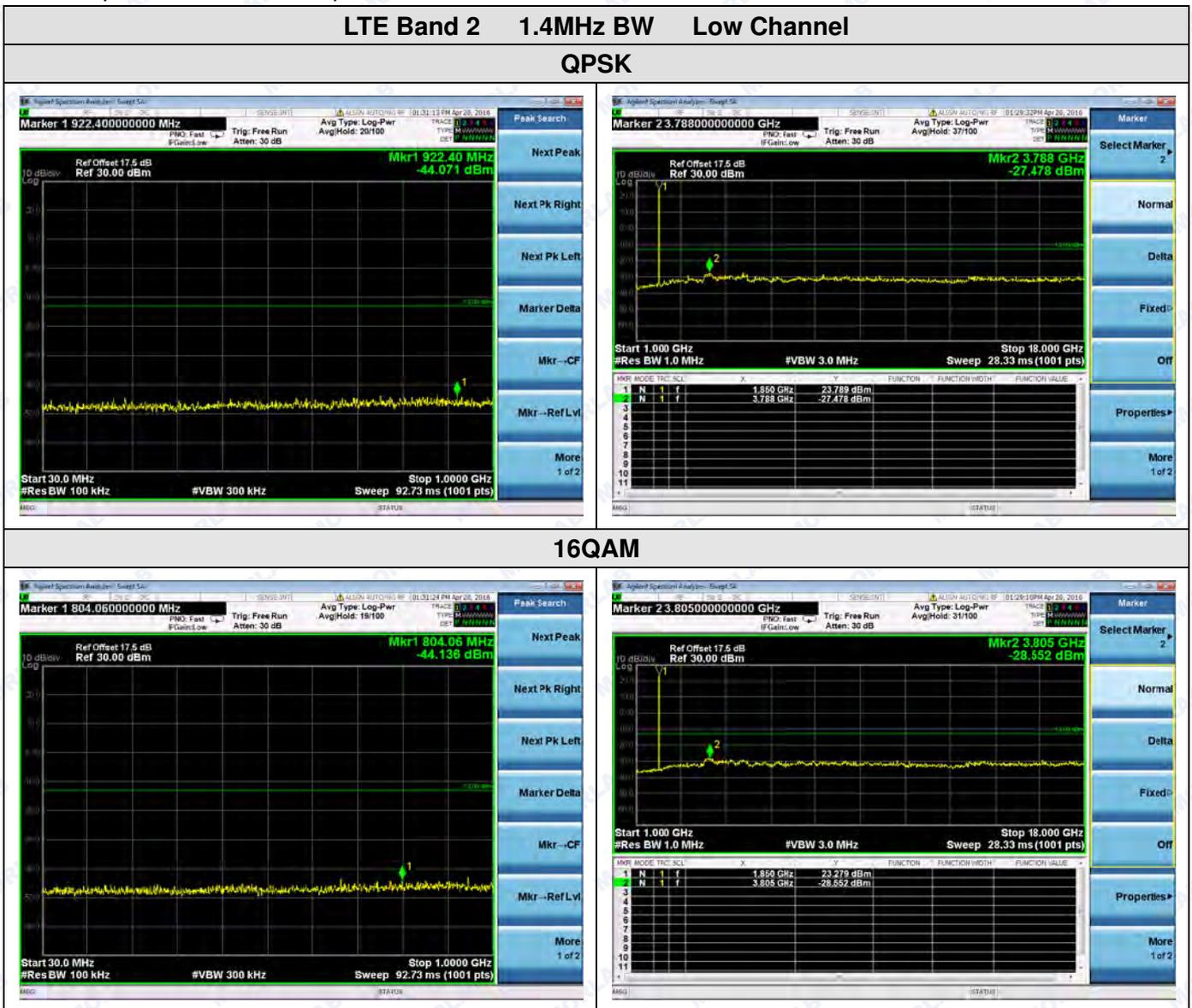
### 2.5.2 Test Procedure

See section 2.1.2 of this report.

Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

### 2.5.3 Test Result

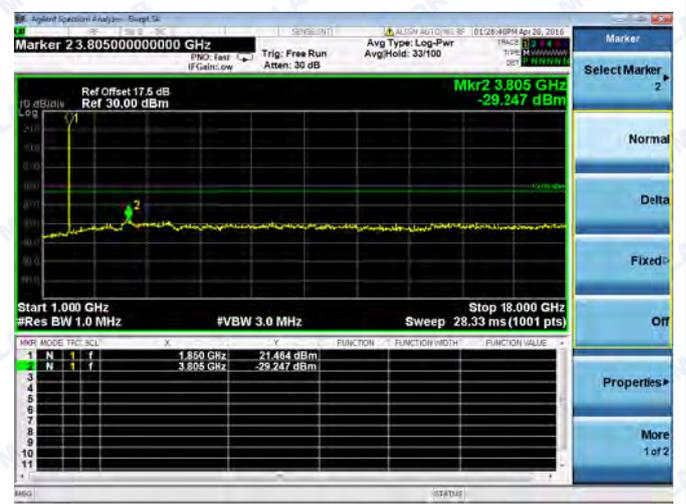
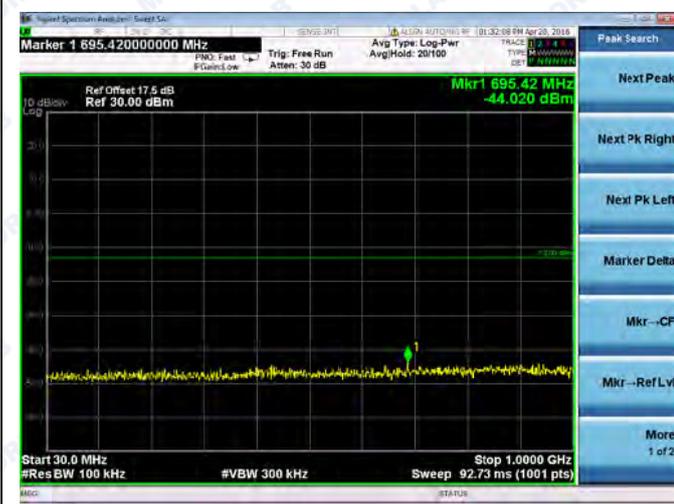
Compliant. See attached pots.



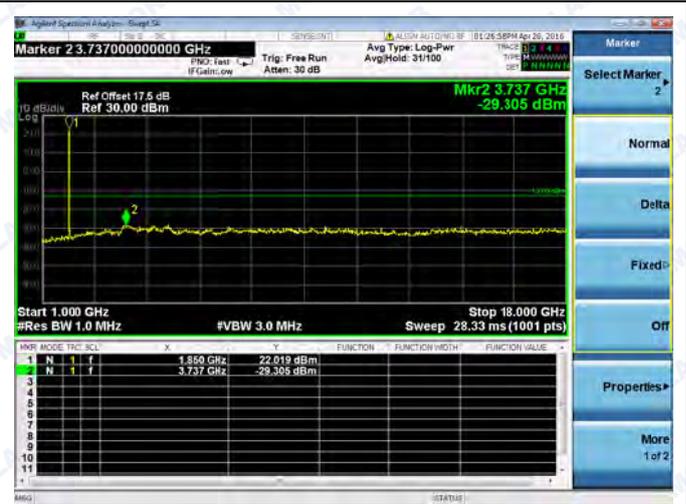


LTE Band 2 3MHz BW Low Channel

QPSK



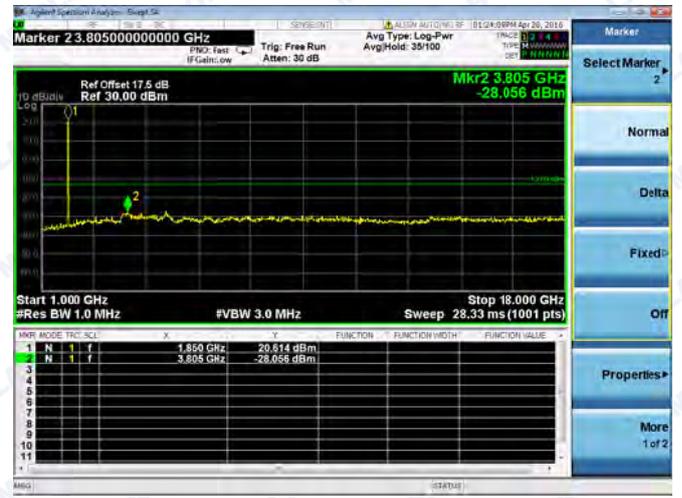
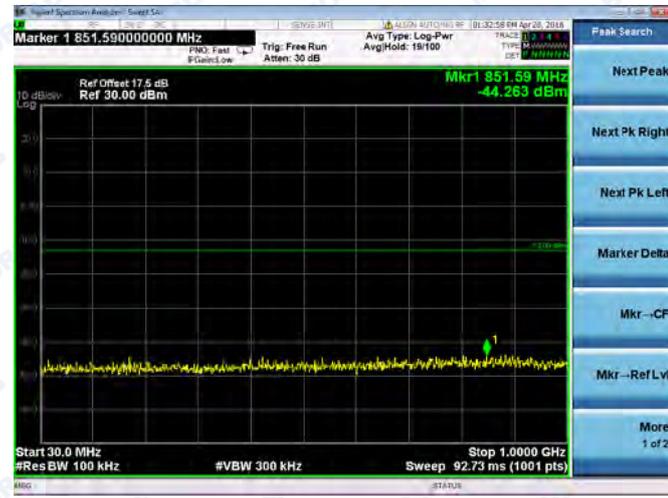
16QAM



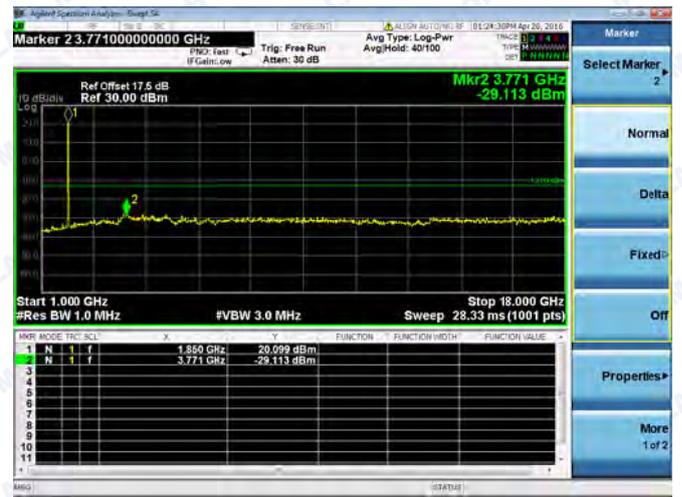


LTE Band 2 5MHz BW Low Channel

QPSK



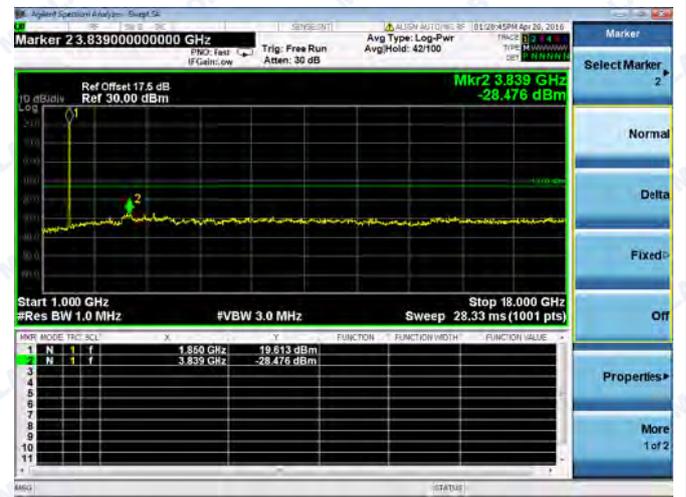
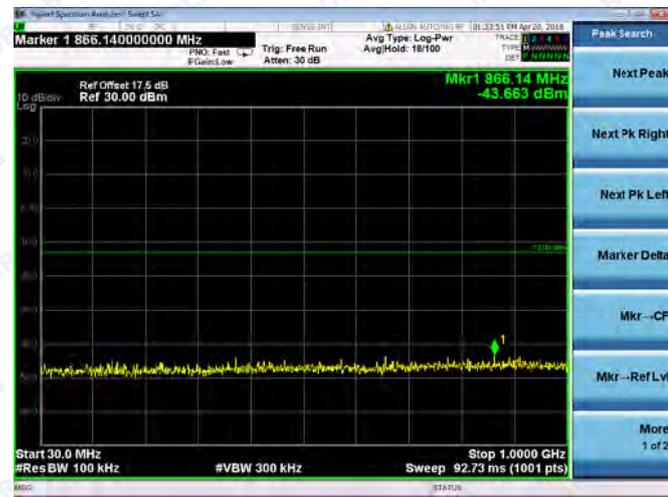
16QAM



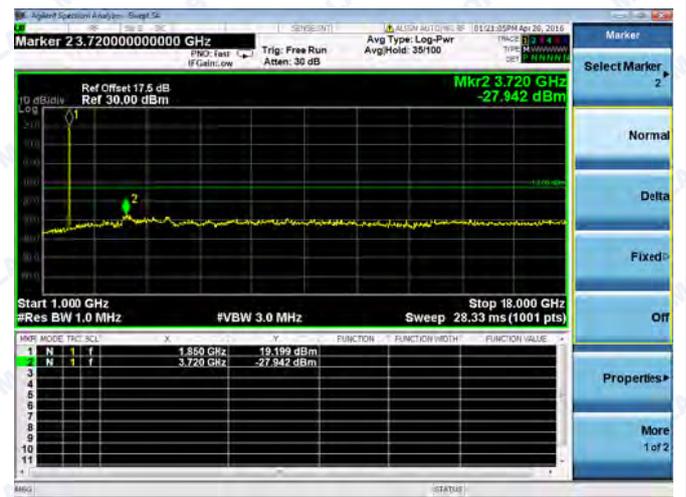
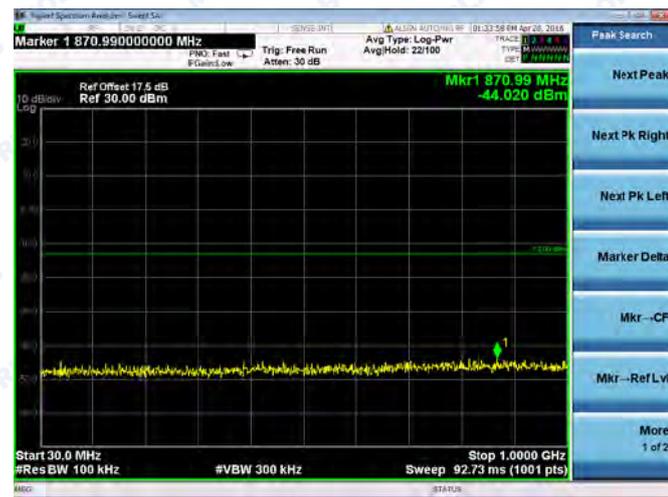


LTE Band 2 10MHz BW Low Channel

QPSK



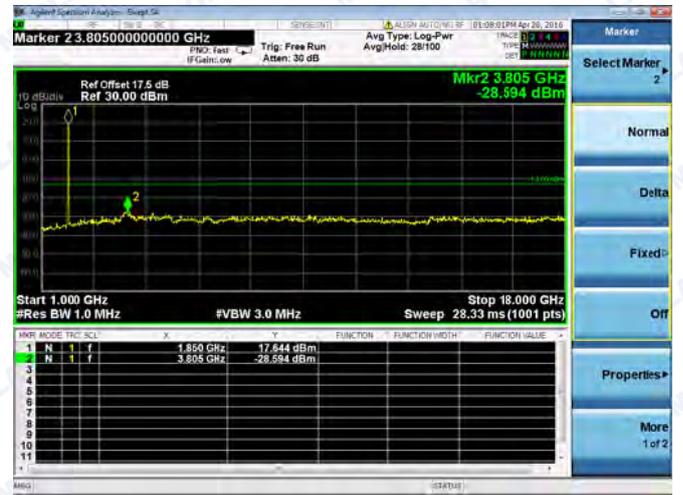
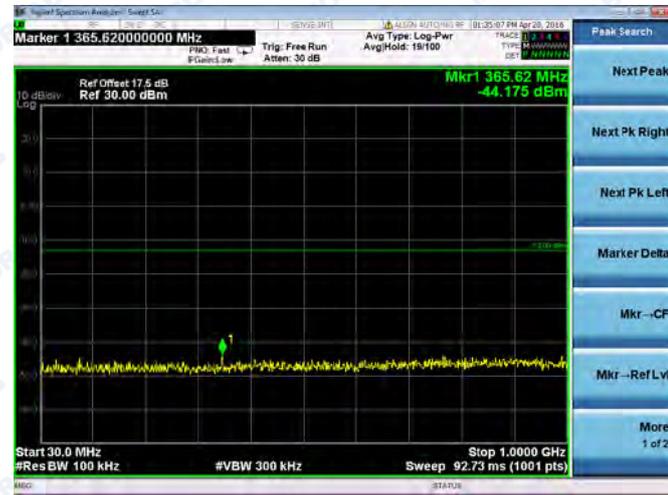
16QAM



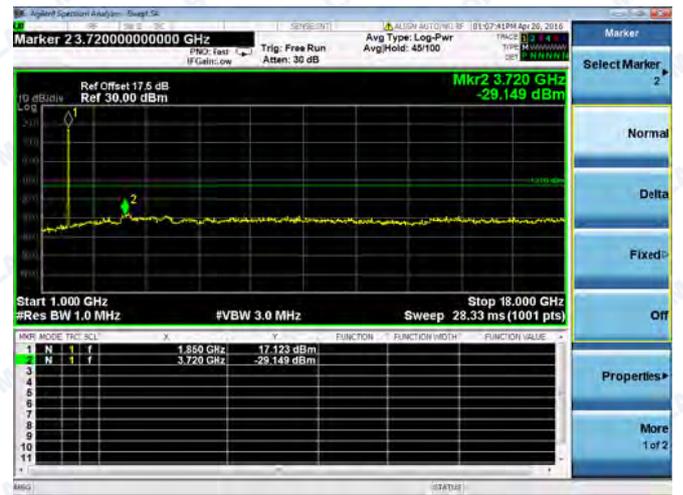
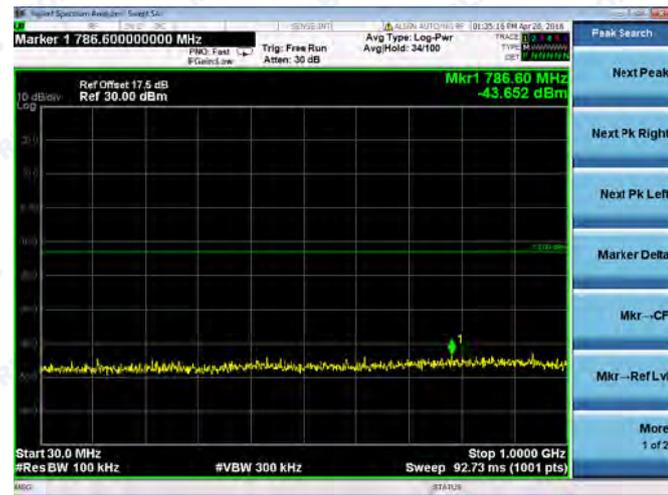


LTE Band 2 15MHz BW Low Channel

QPSK



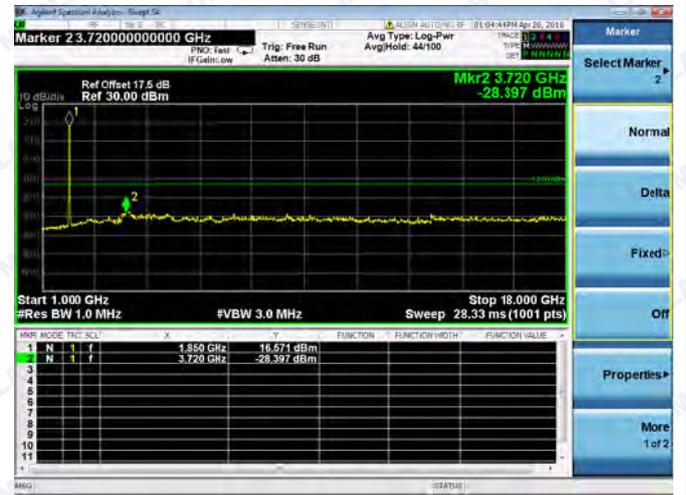
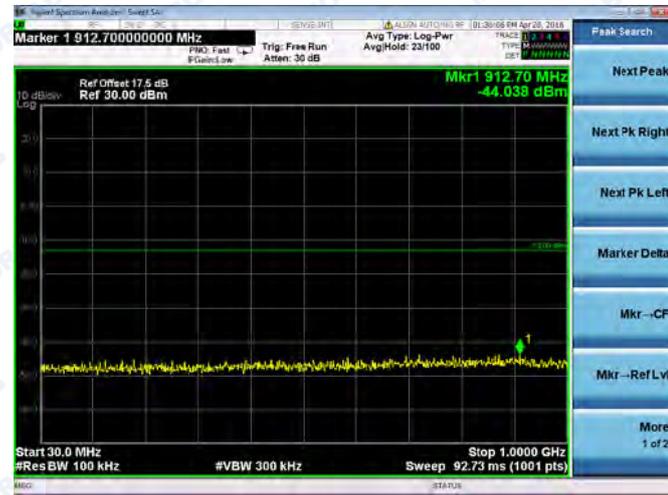
16QAM



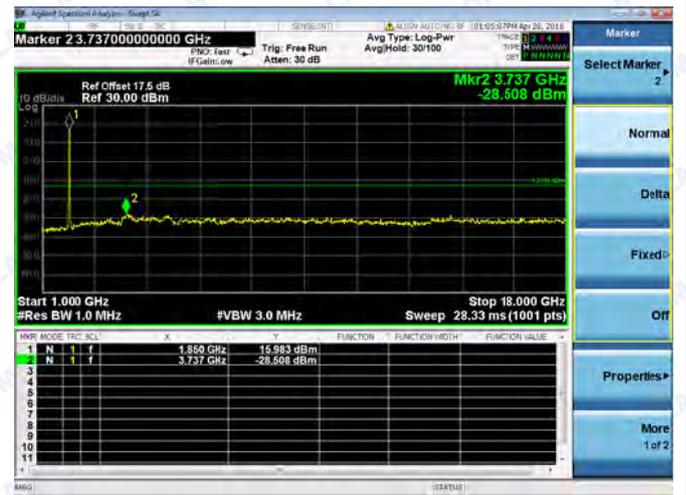
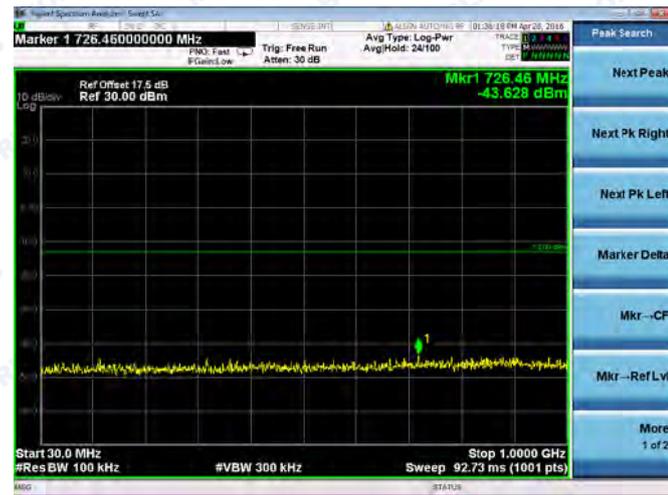


LTE Band 2 20MHz BW Low Channel

QPSK



16QAM

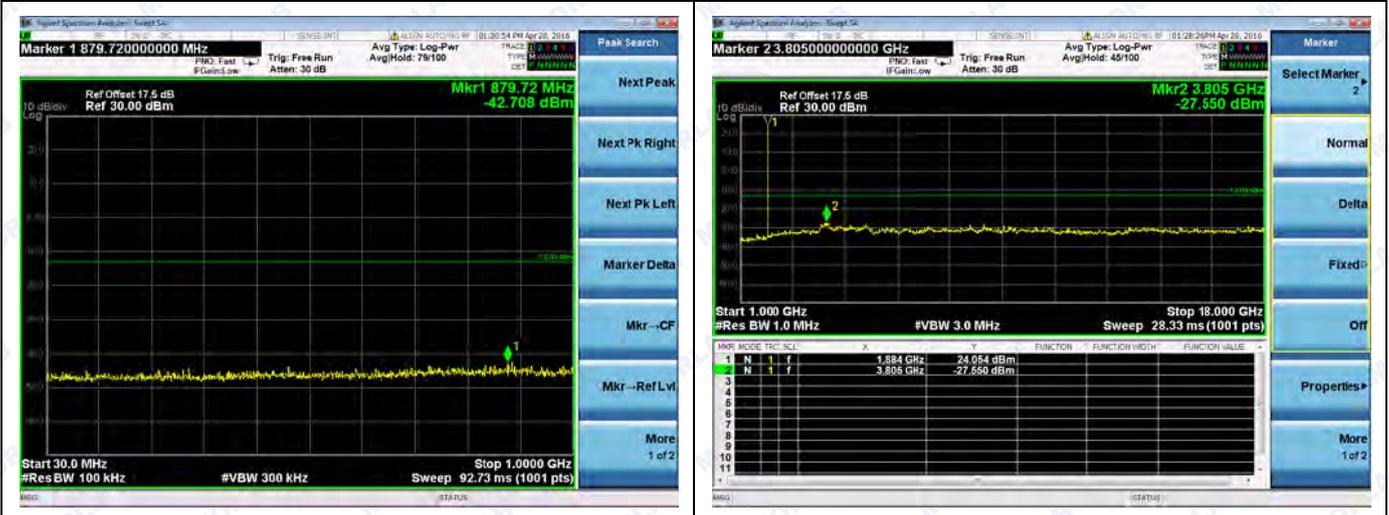




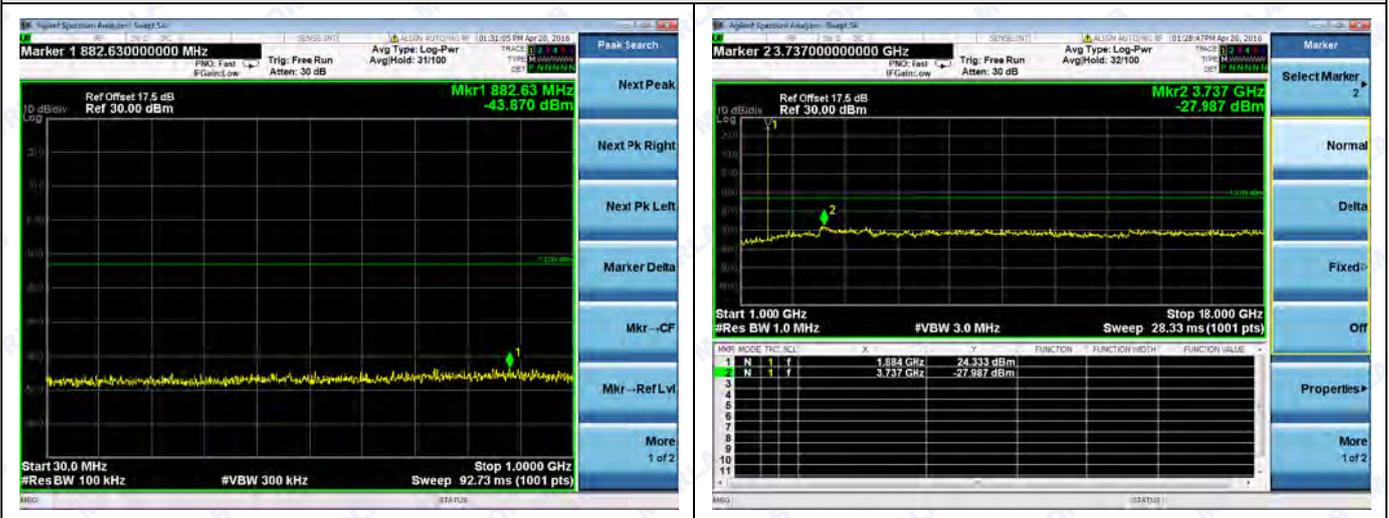
Middle channel:

LTE Band 2 1.4MHz BW Mid Channel

QPSK



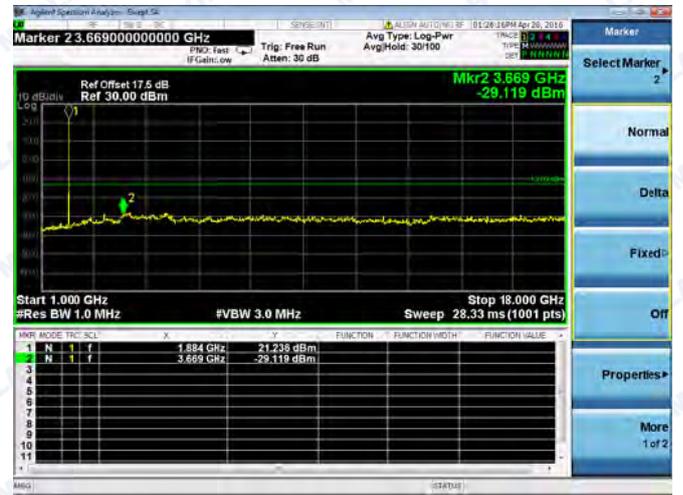
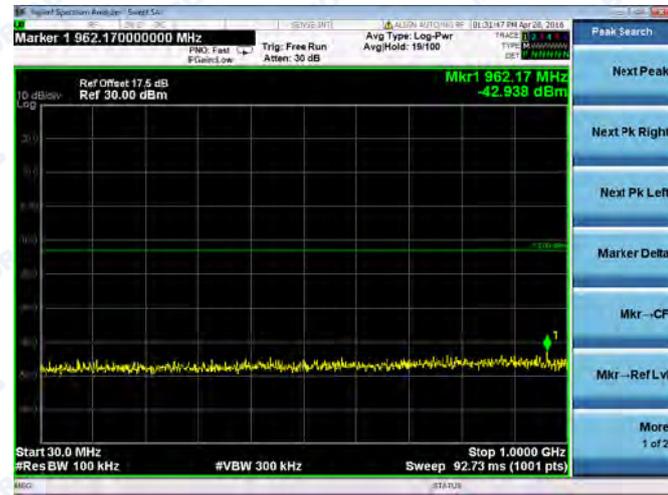
16QAM



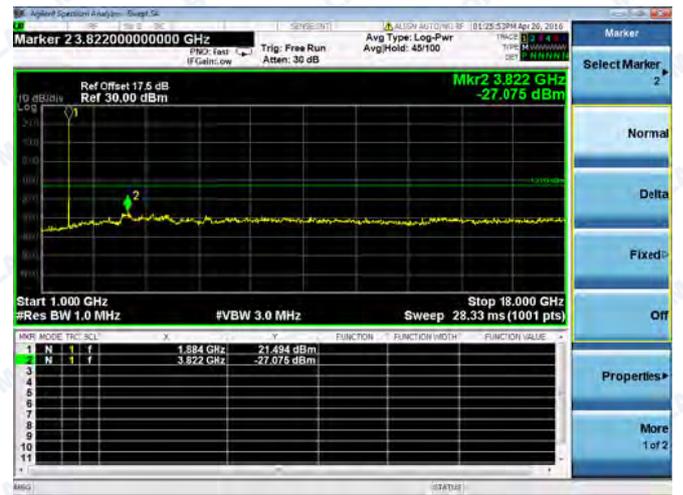


LTE Band 2 3MHz BW Mid Channel

QPSK



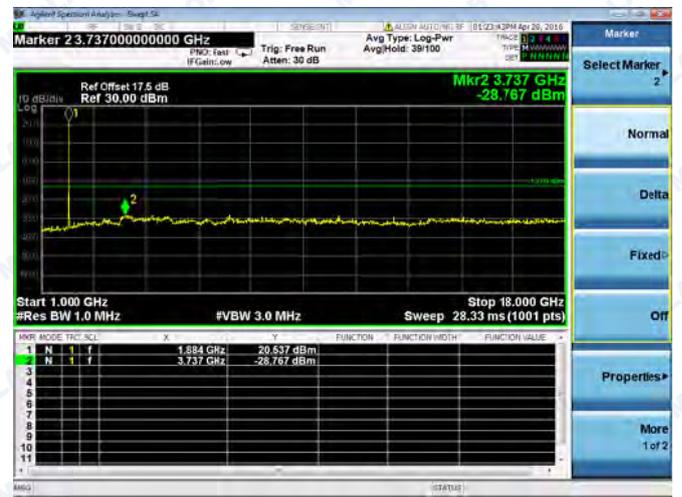
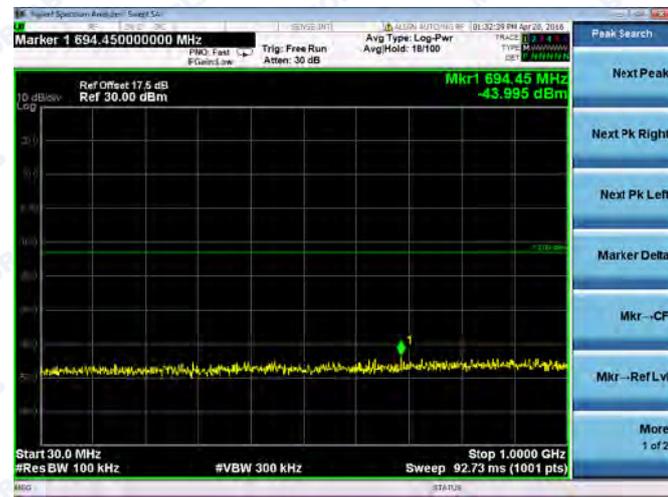
16QAM



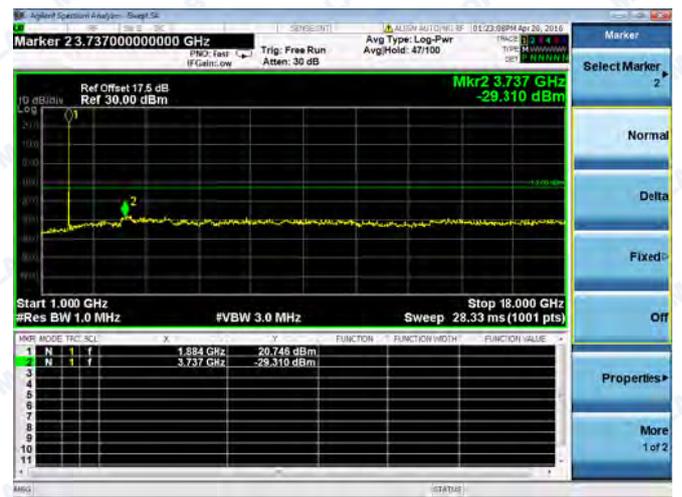
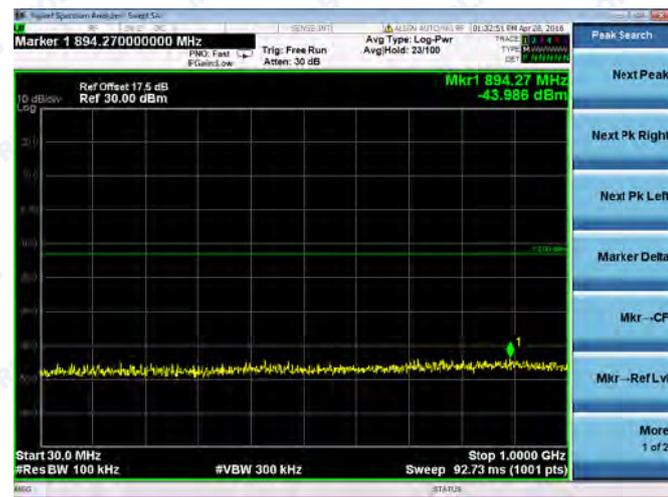


LTE Band 2 5MHz BW Mid Channel

QPSK



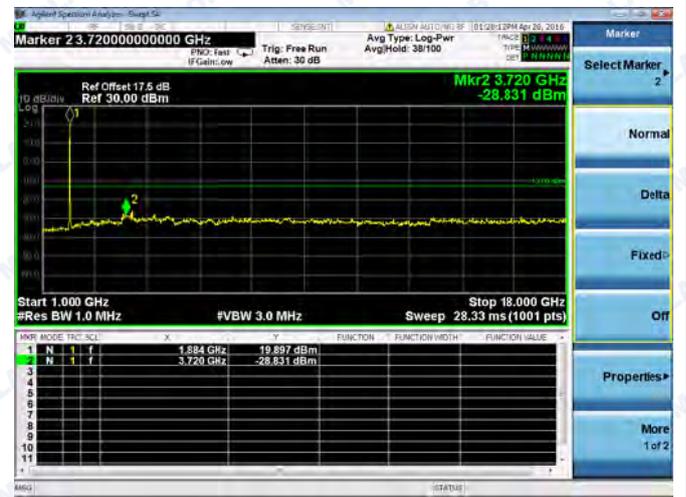
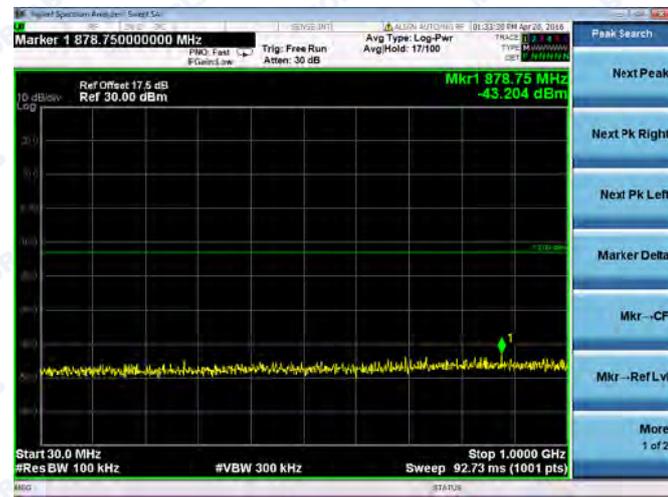
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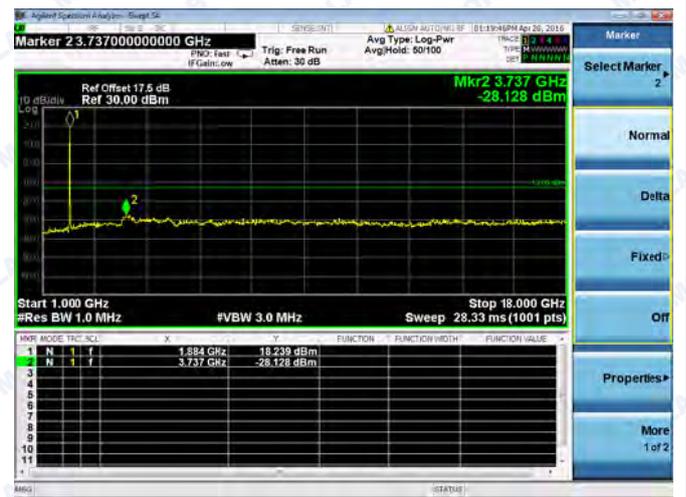


LTE Band 2 10MHz BW Mid Channel

QPSK



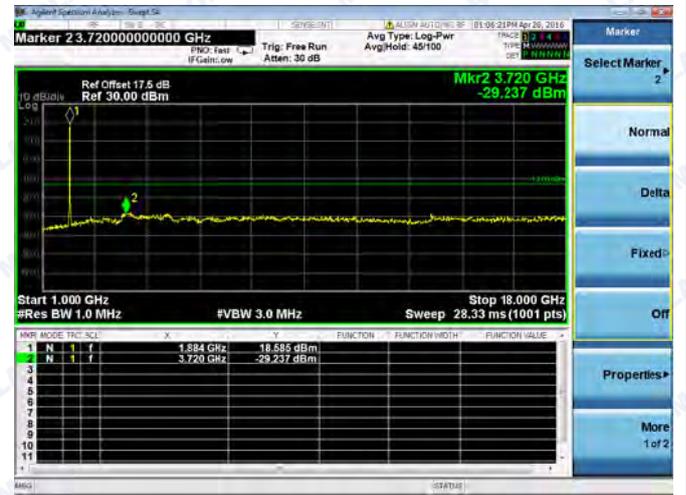
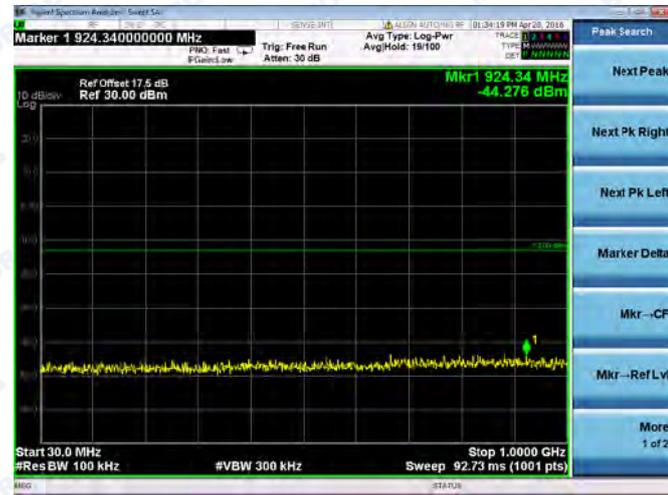
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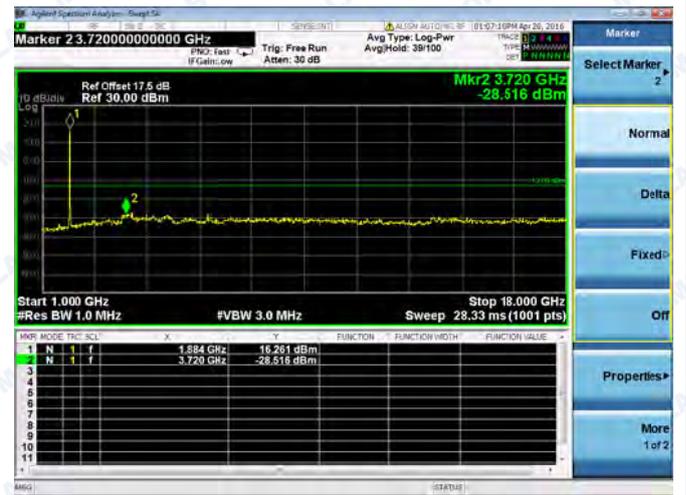
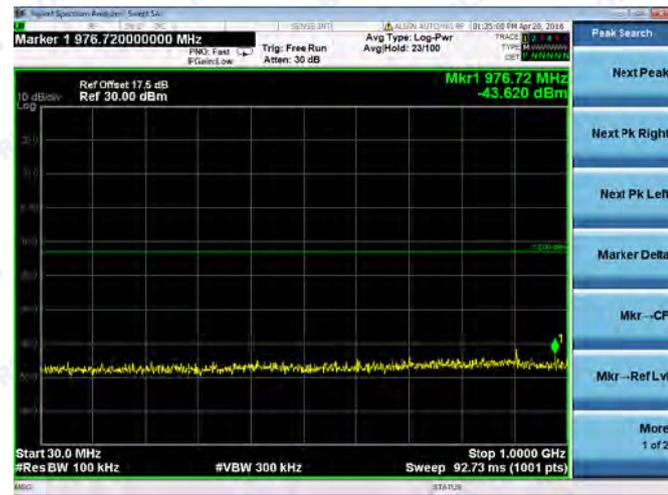


LTE Band 2 15MHz BW Mid Channel

QPSK



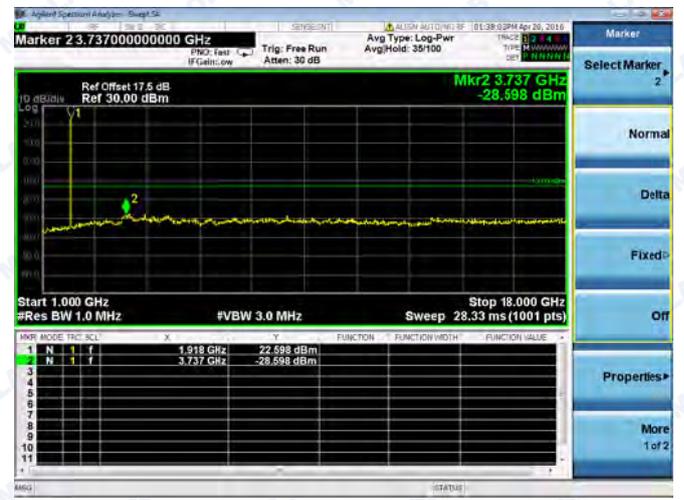
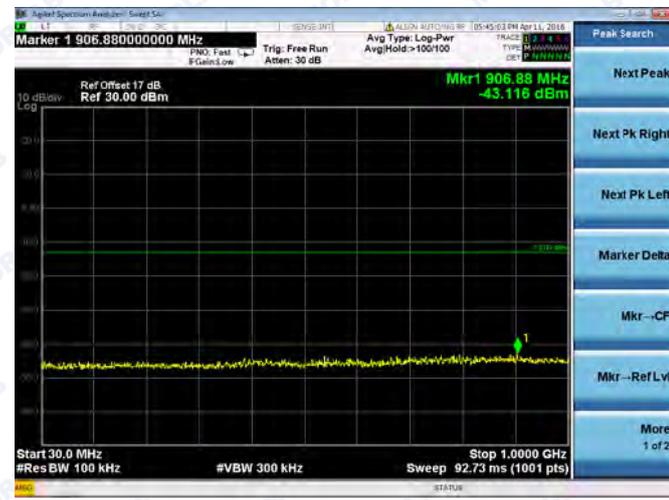
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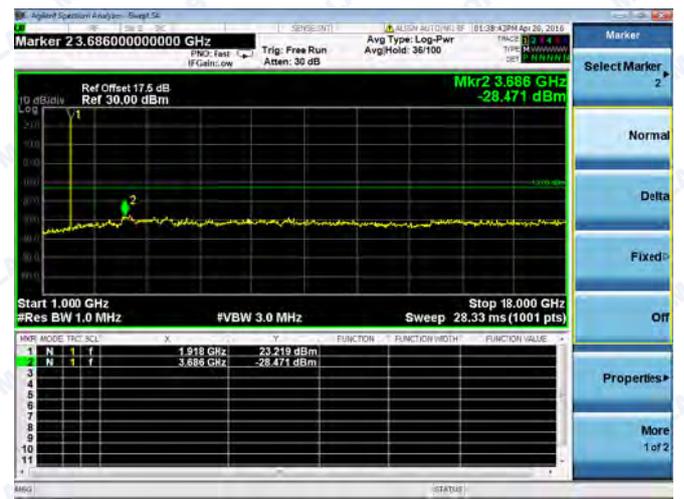
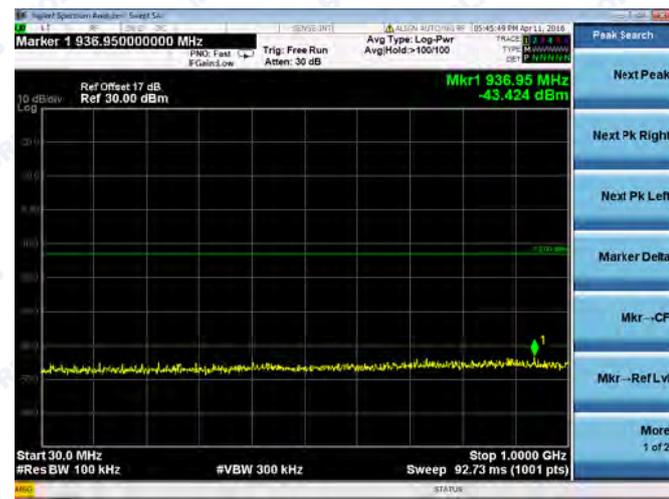


LTE Band 2 20MHz BW Mid Channel

QPSK



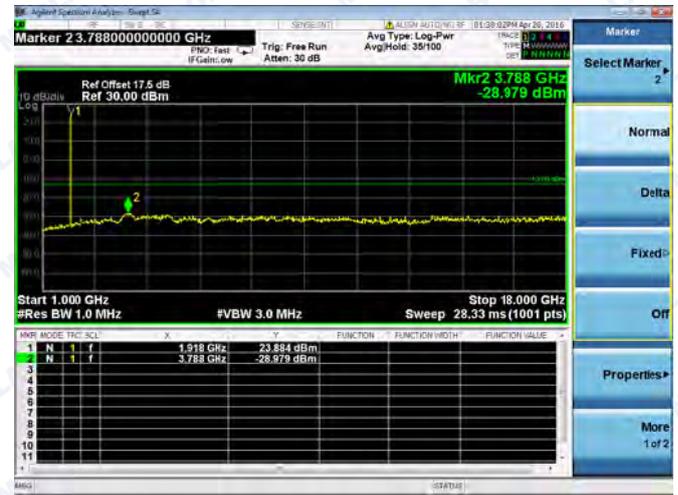
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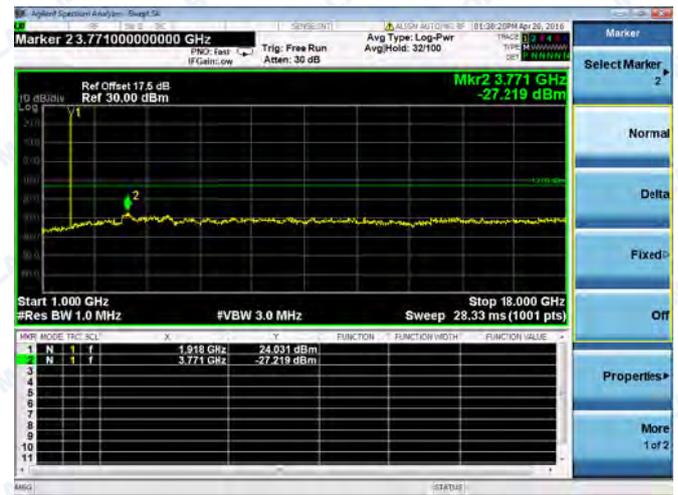
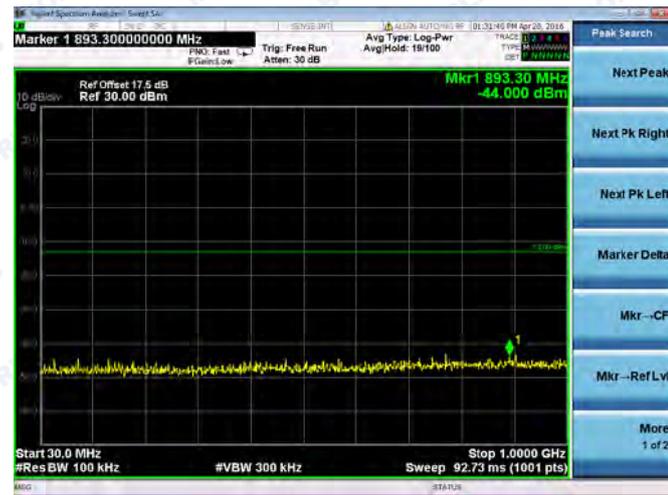


LTE Band 2 1.4MHz BW High Channel

QPSK



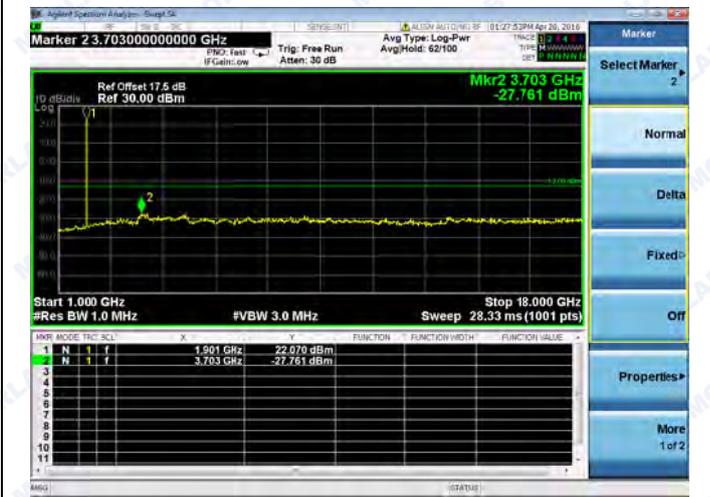
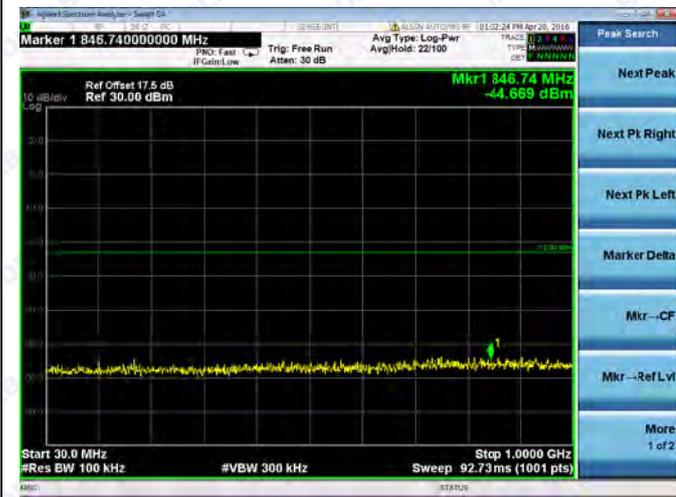
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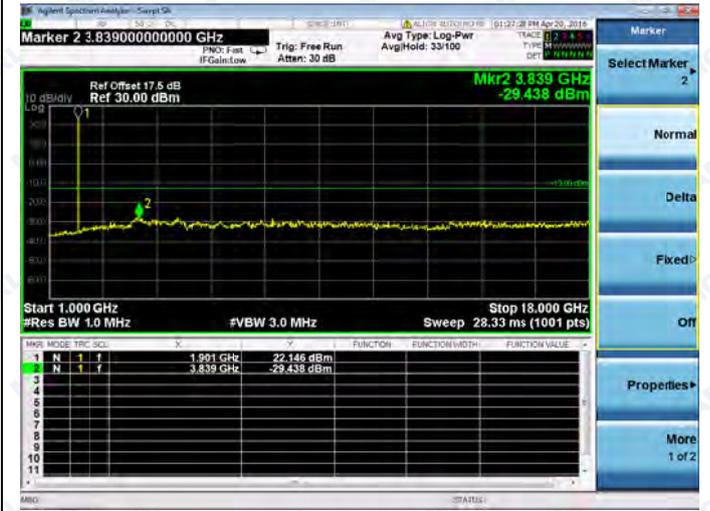
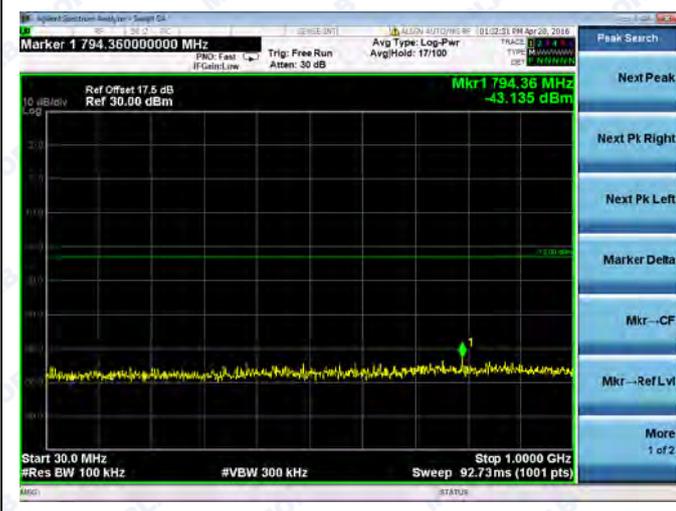


LTE Band 2 3MHz BW High Channel

QPSK



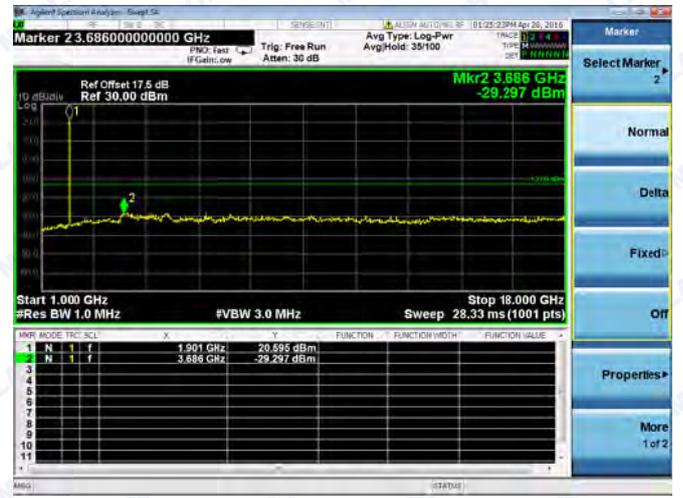
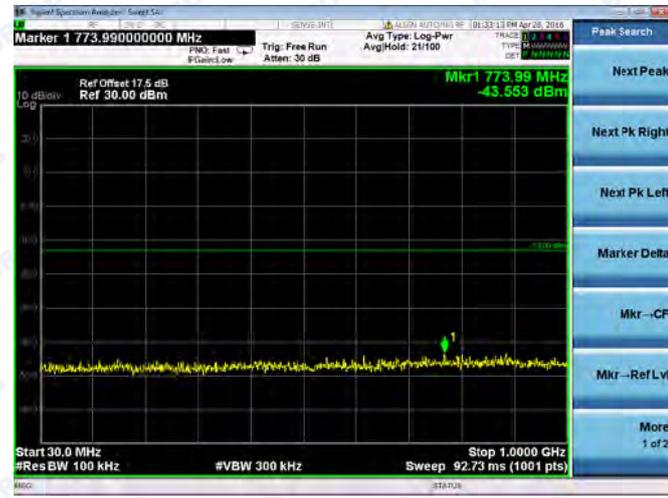
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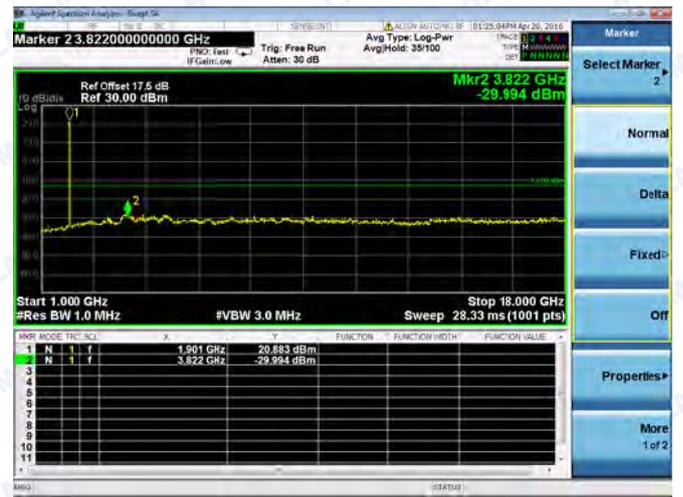


LTE Band 2 5MHz BW High Channel

QPSK



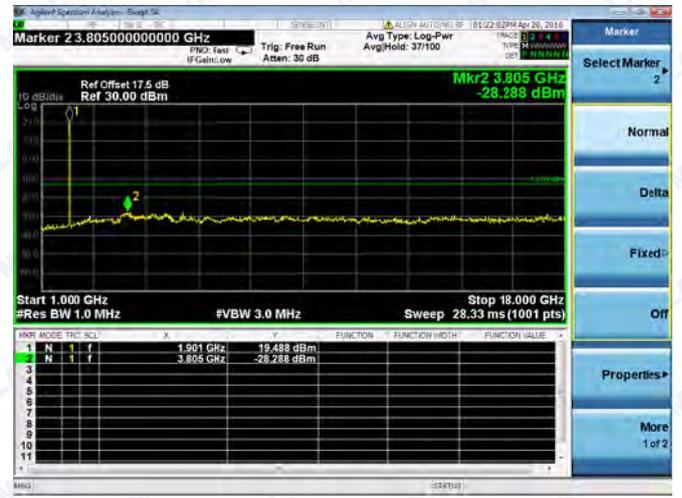
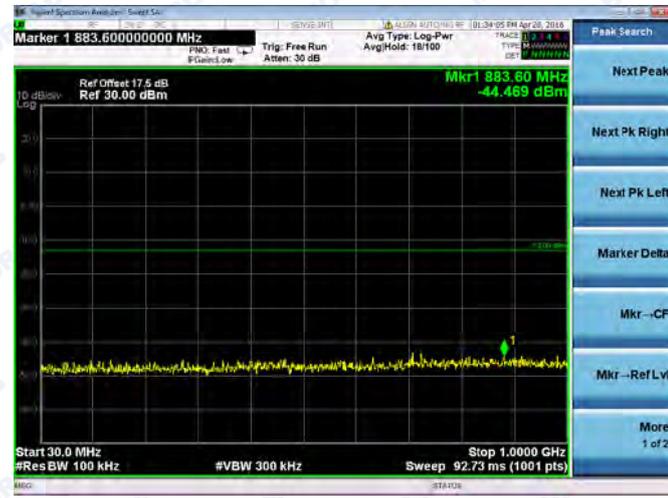
16QAM



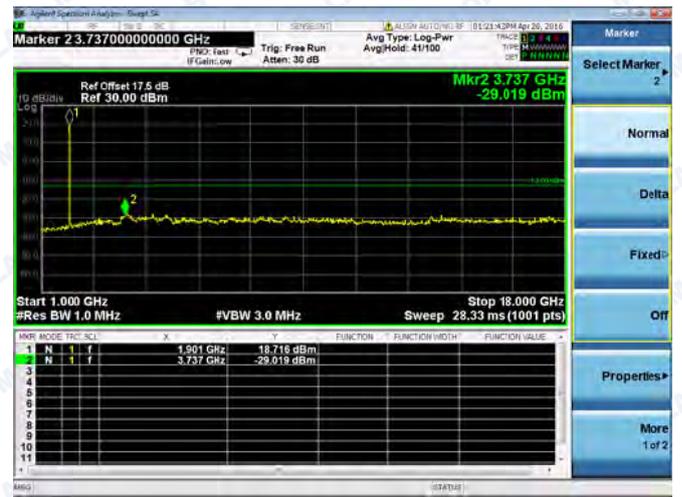


LTE Band 2 10MHz BW High Channel

QPSK



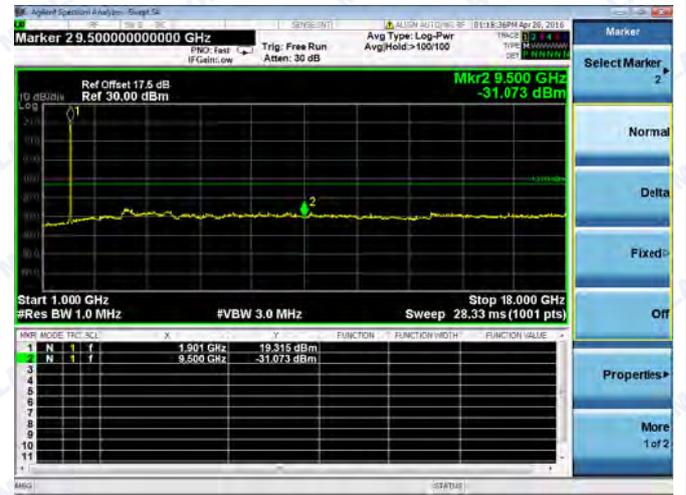
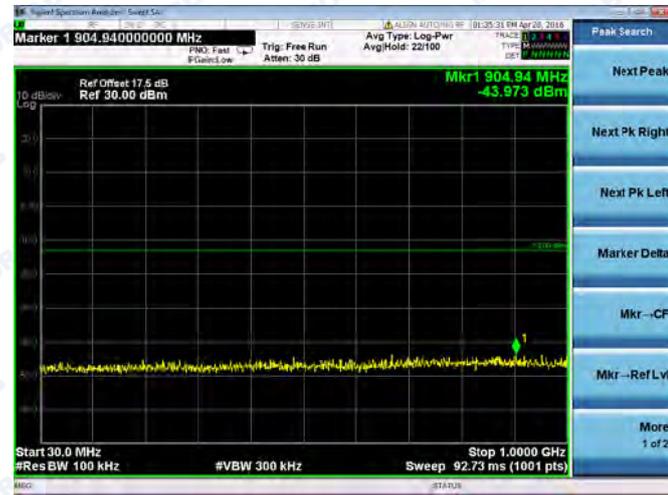
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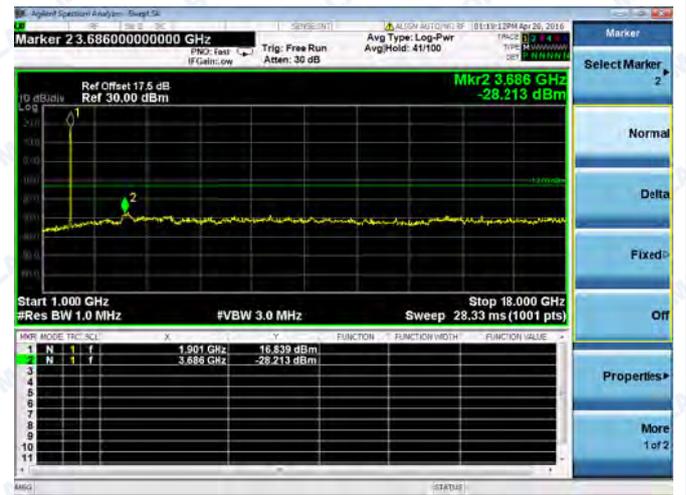
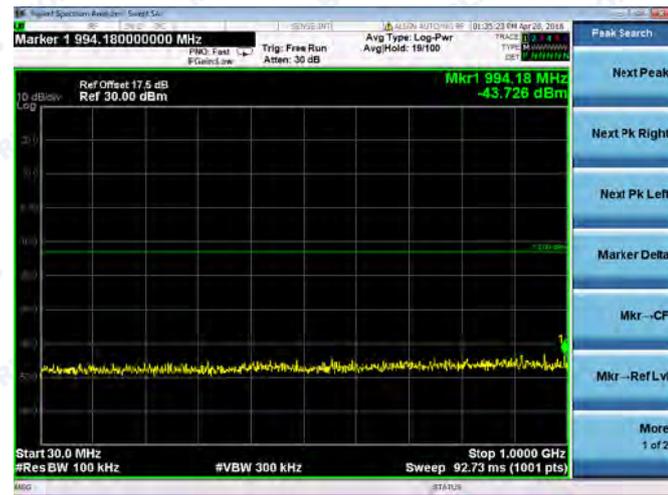


LTE Band 2 15MHz BW High Channel

QPSK



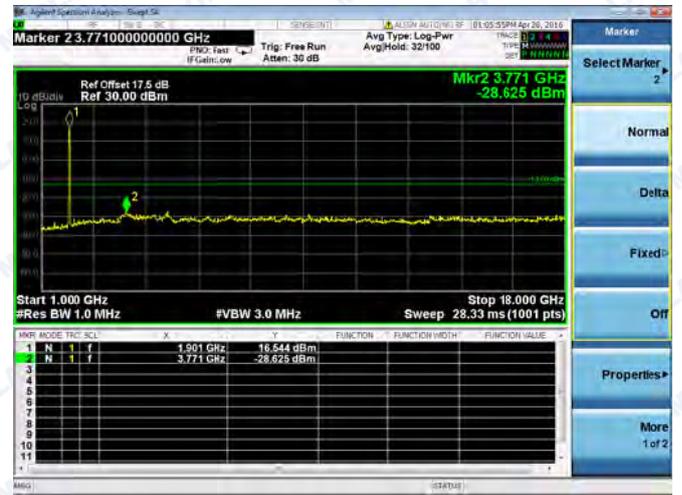
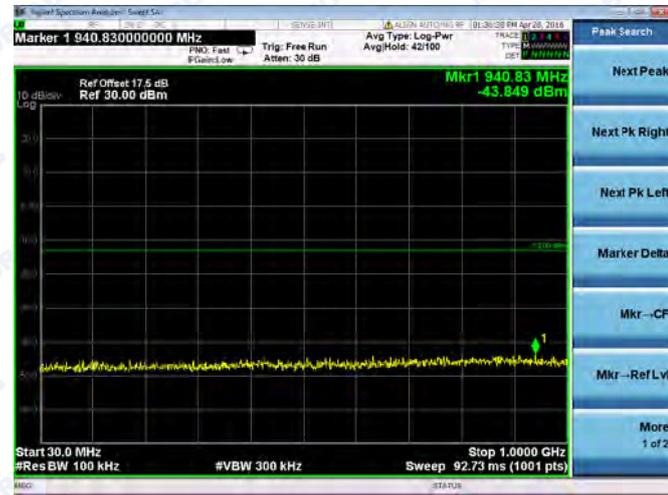
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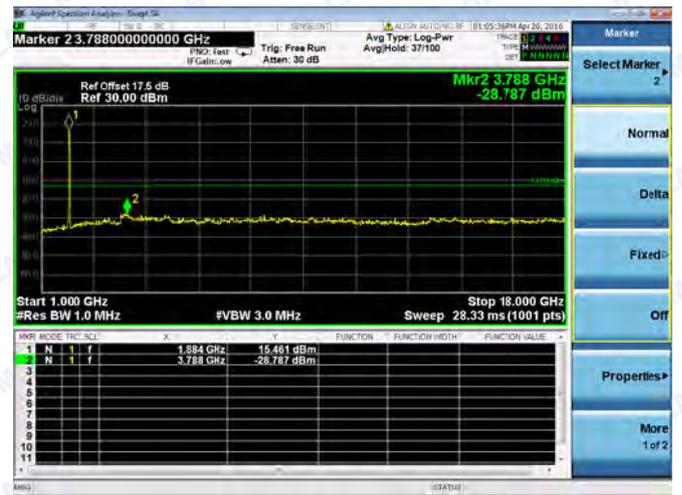
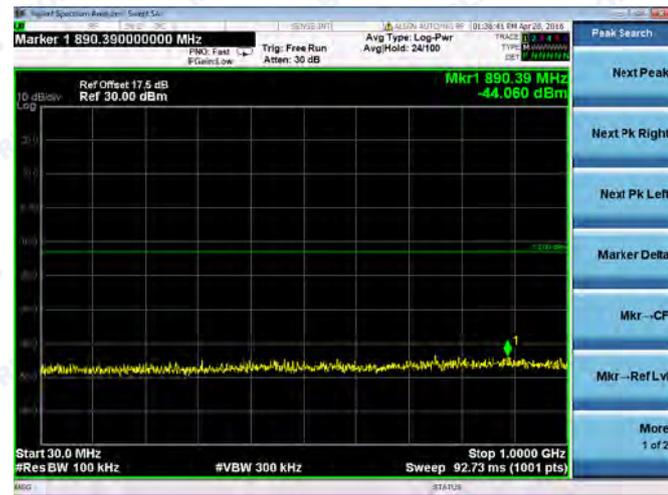


LTE Band 2 20MHz BW High Channel

QPSK



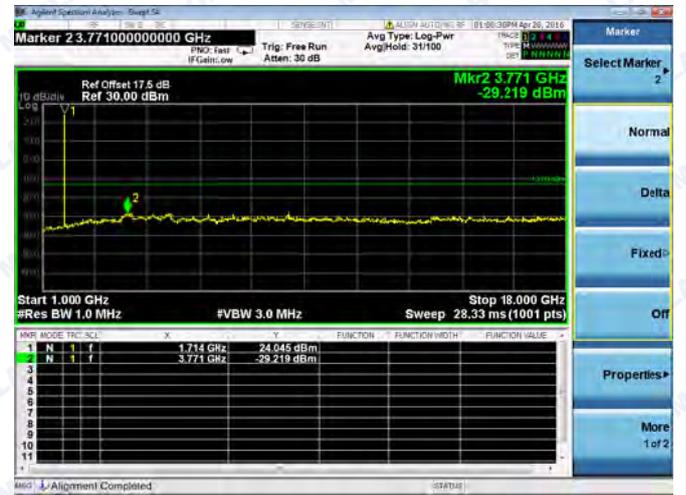
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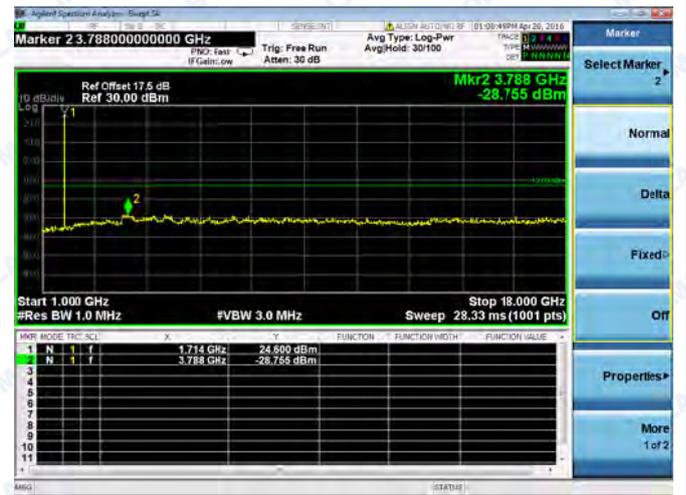
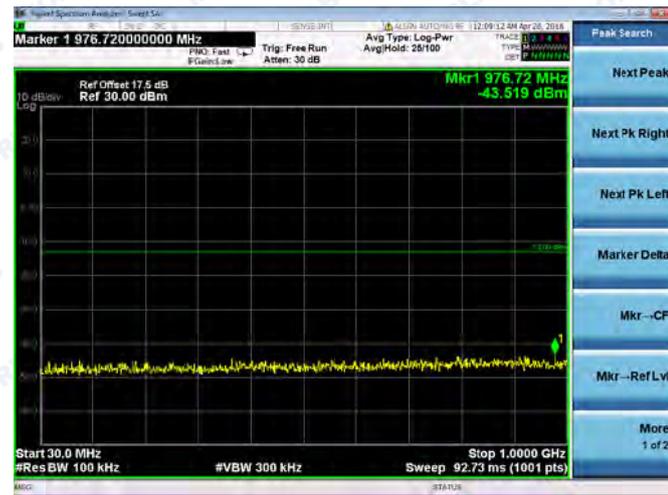


LTE Band 4 1.4MHz BW Low Channel

QPSK



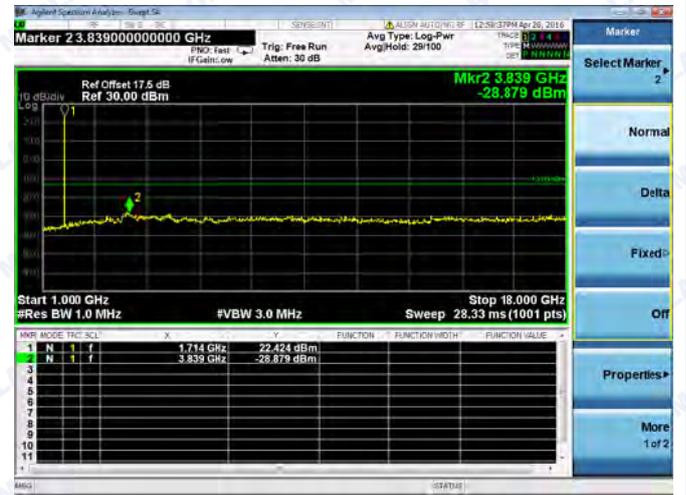
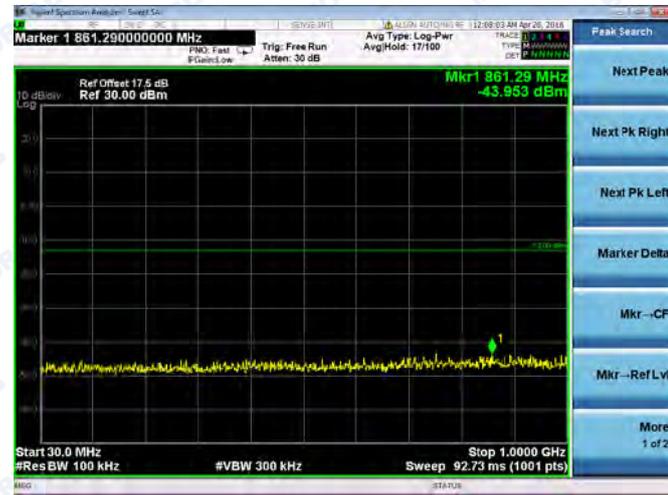
16QAM



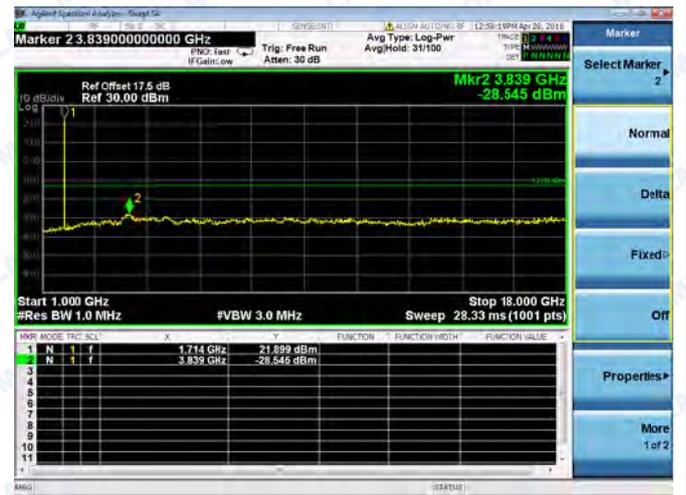
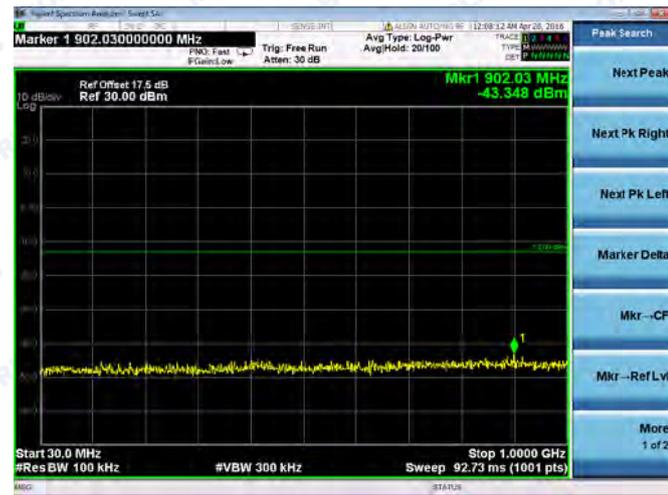


LTE Band 4 3MHz BW Low Channel

QPSK



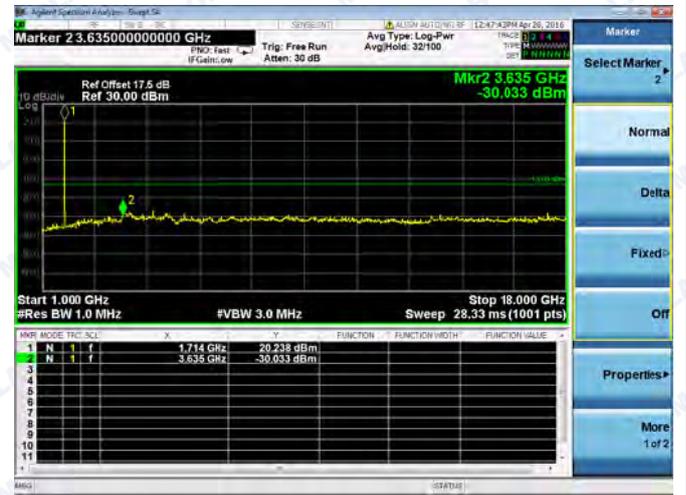
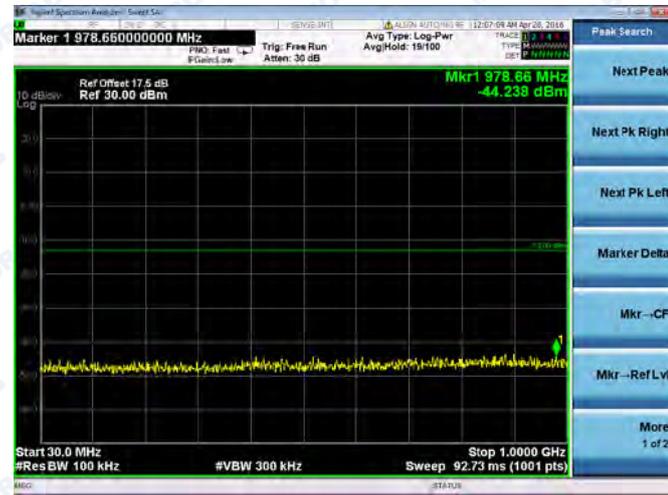
16QAM



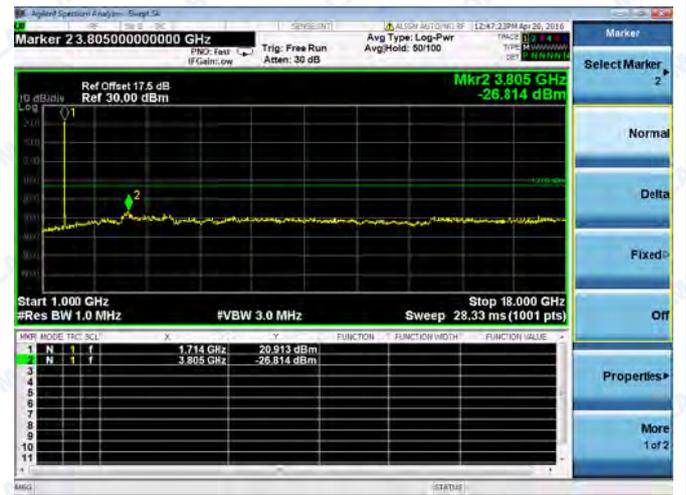
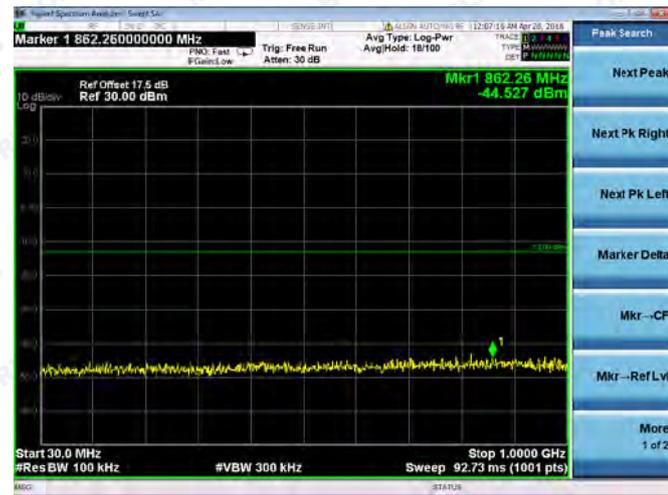


LTE Band 4 5MHz BW Low Channel

QPSK



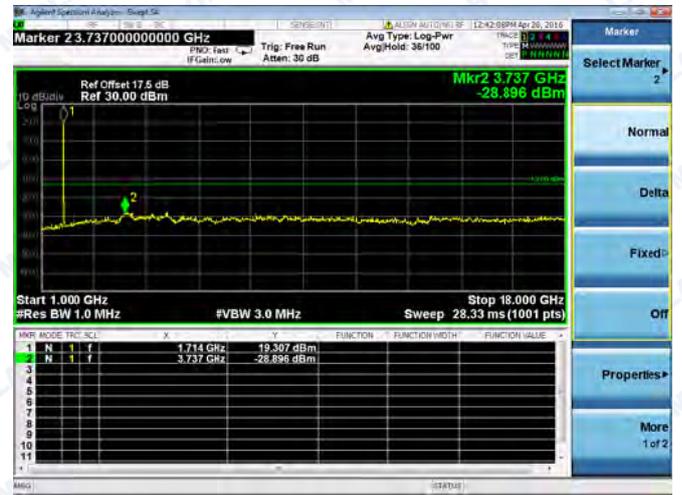
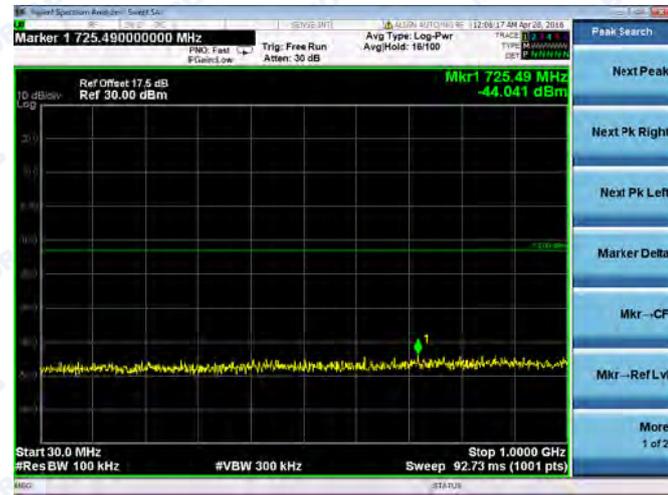
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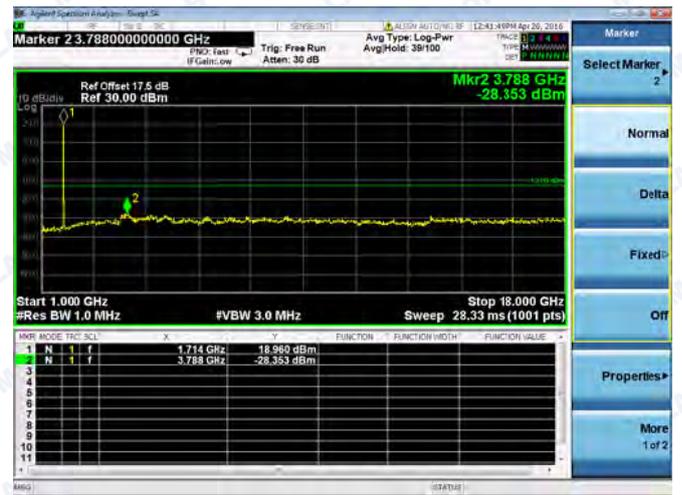
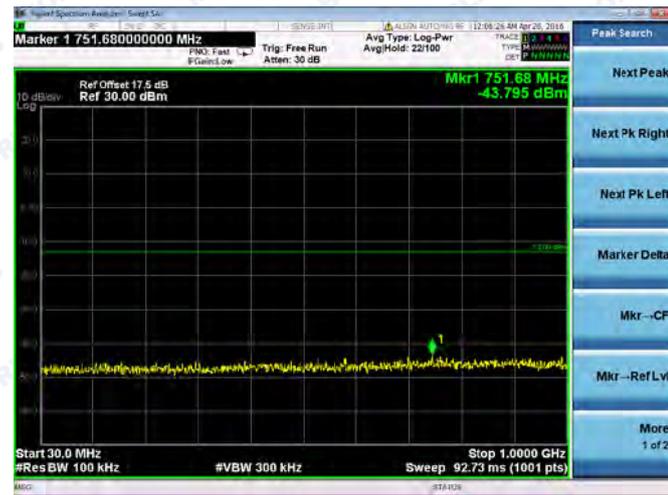


LTE Band 4 10MHz BW Low Channel

QPSK



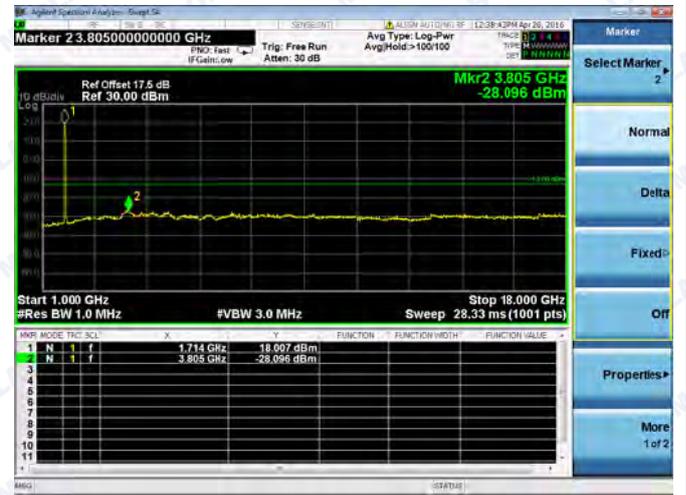
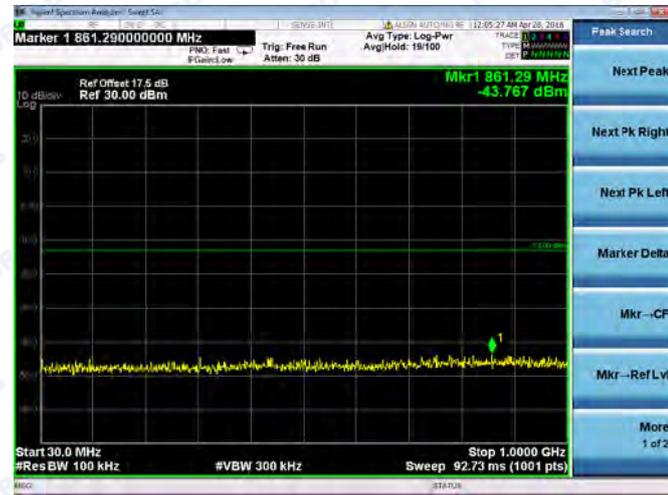
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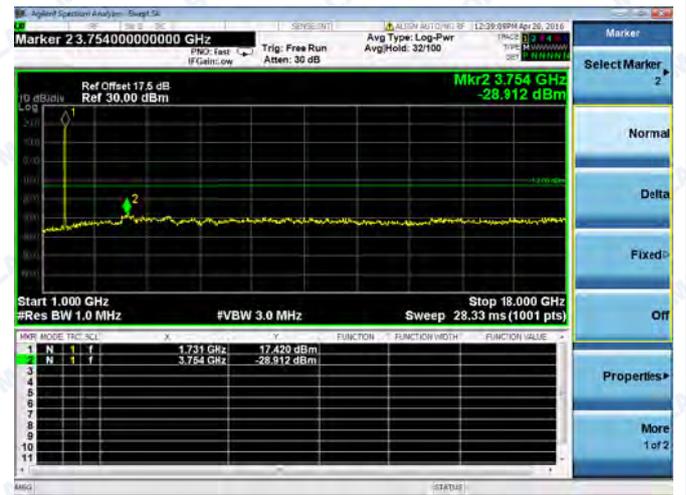
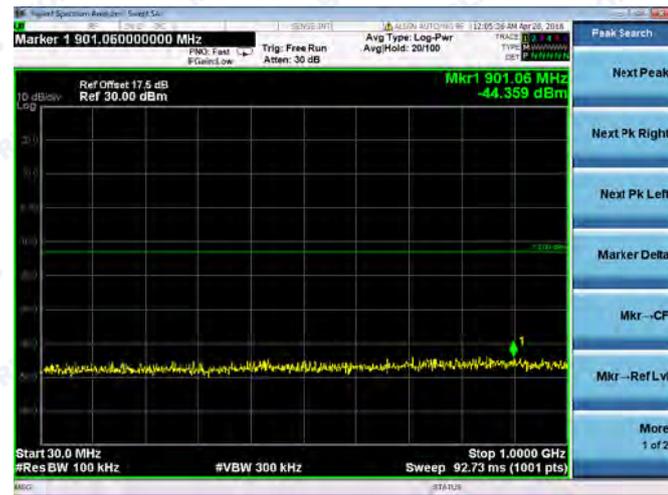


LTE Band 4 15MHz BW Low Channel

QPSK



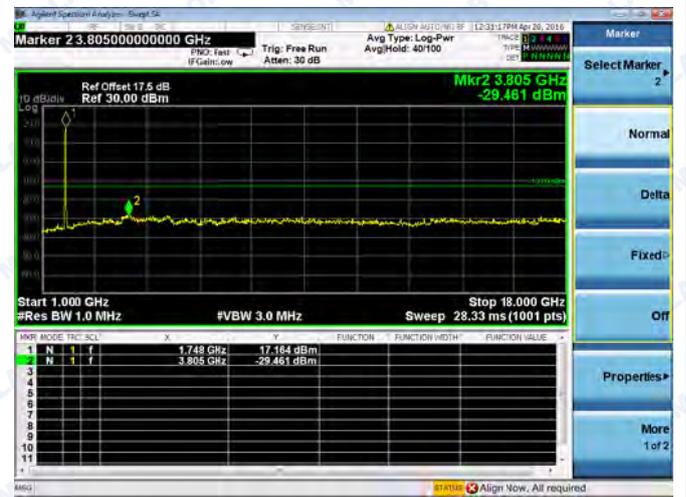
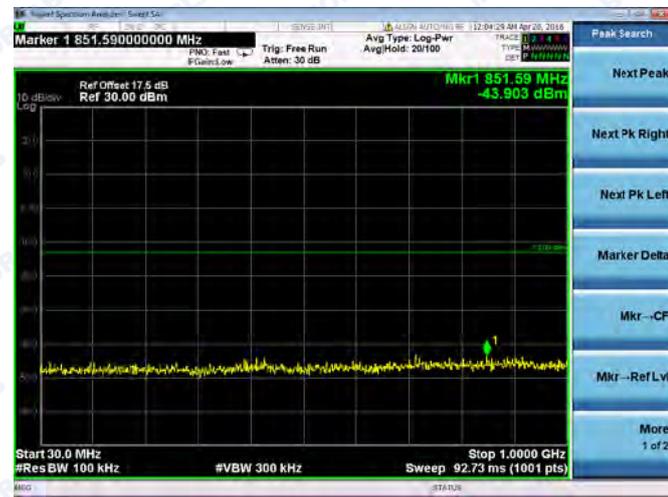
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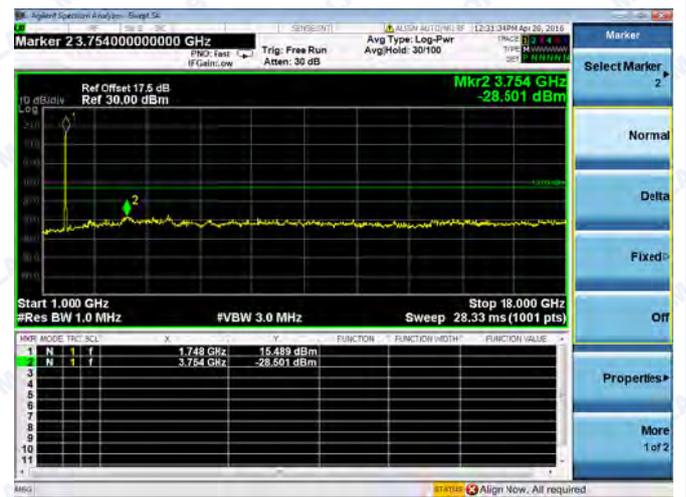
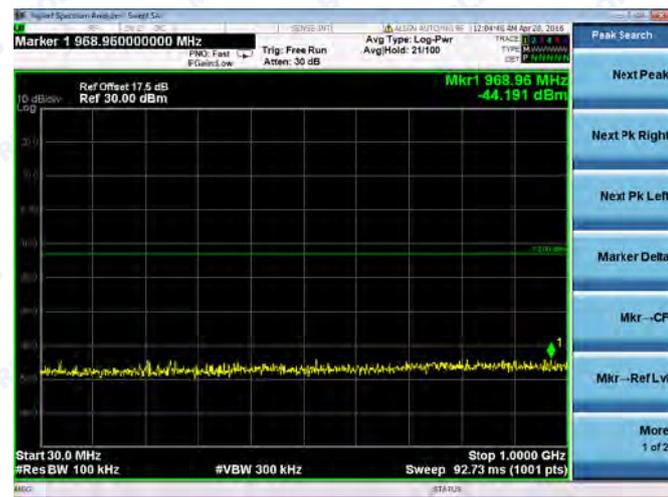


LTE Band 4 20MHz BW Low Channel

QPSK



16QAM

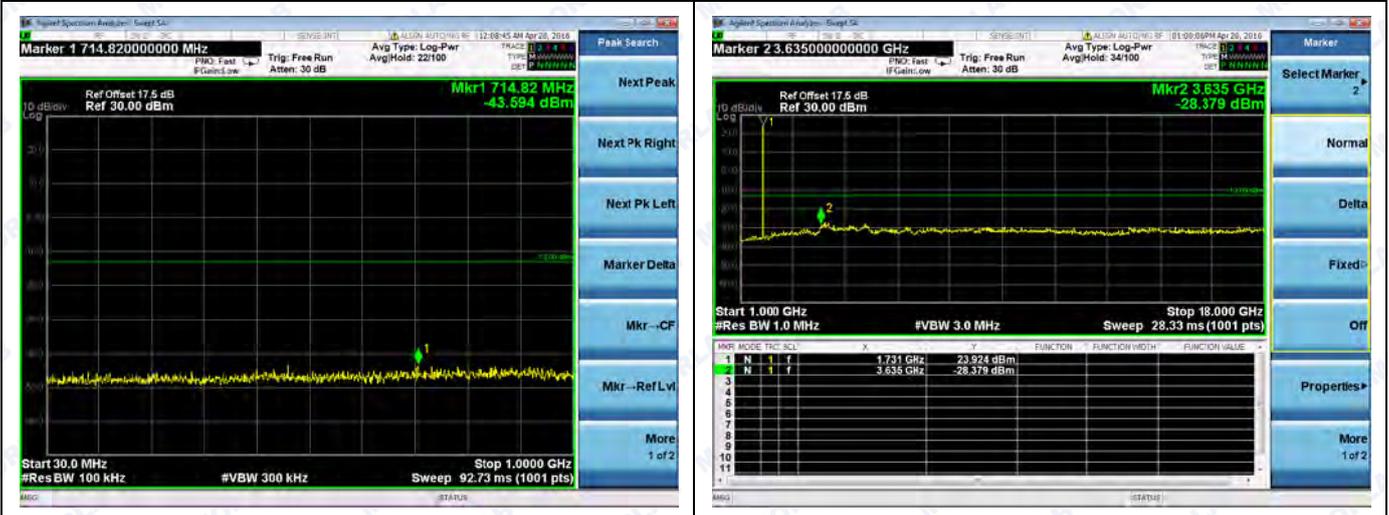




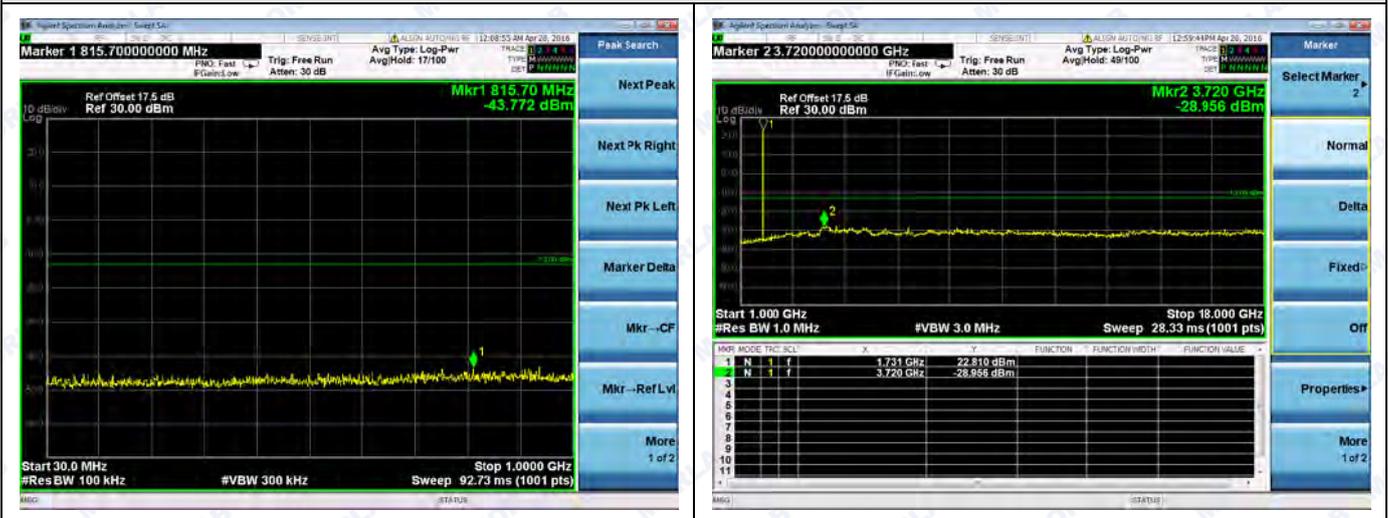
Middle channel:

LTE Band 4 1.4MHz BW Mid Channel

QPSK



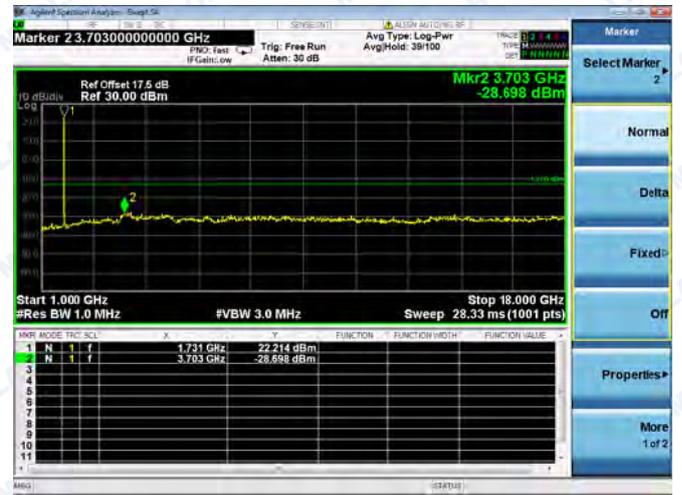
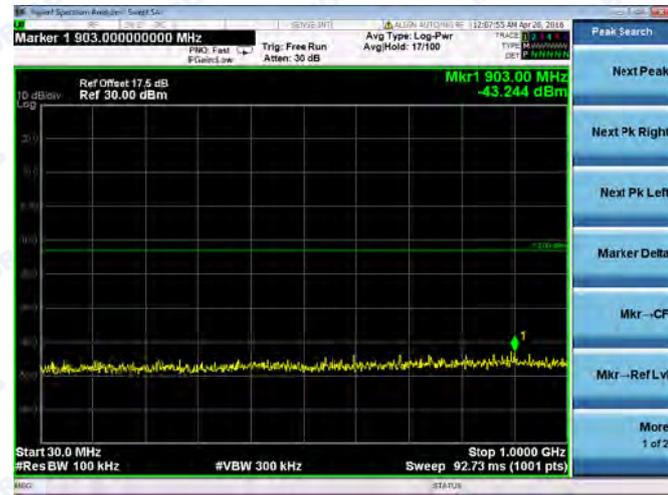
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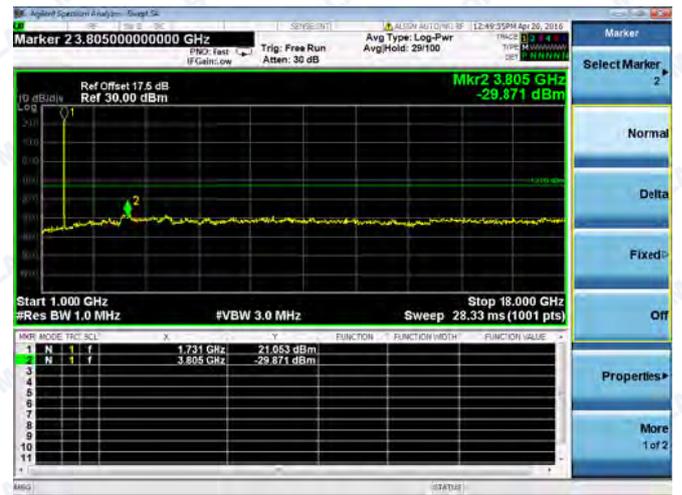
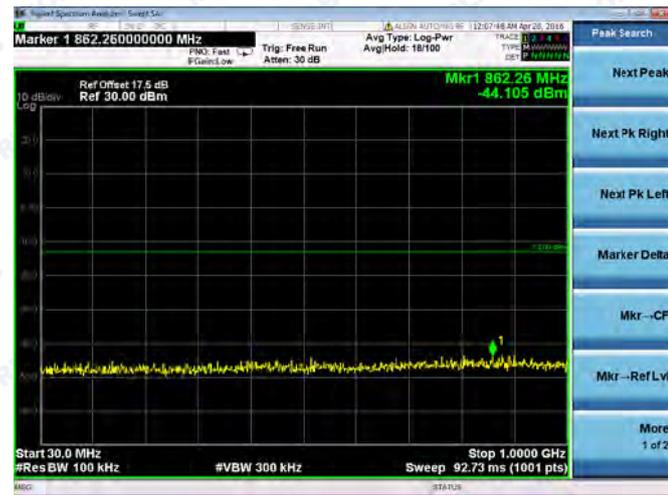


LTE Band 4 3MHz BW Mid Channel

QPSK



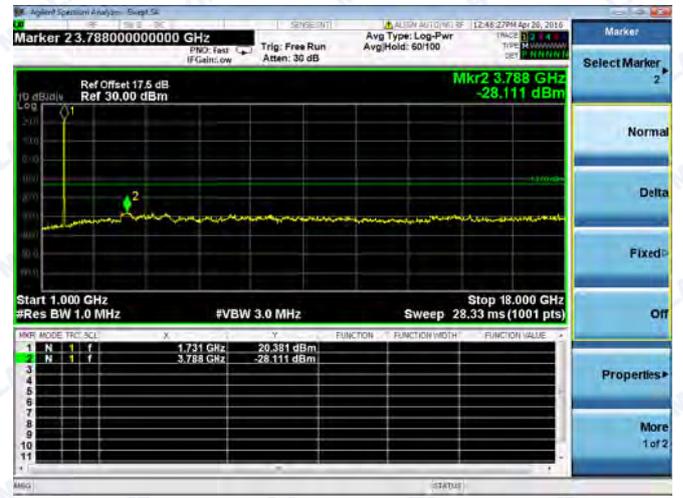
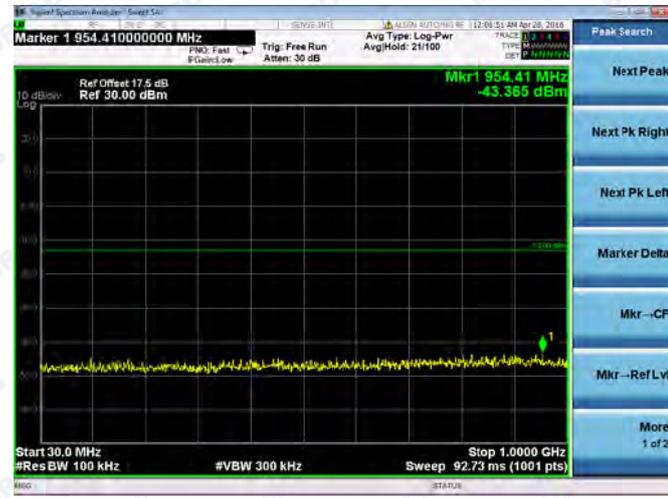
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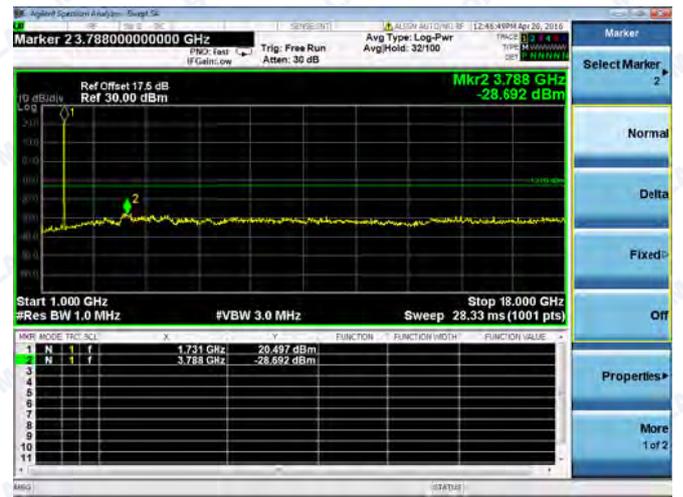
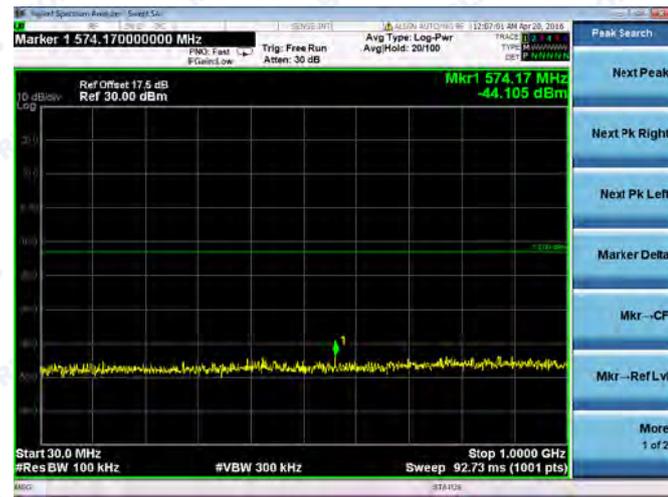


LTE Band 4 5MHz BW Mid Channel

QPSK



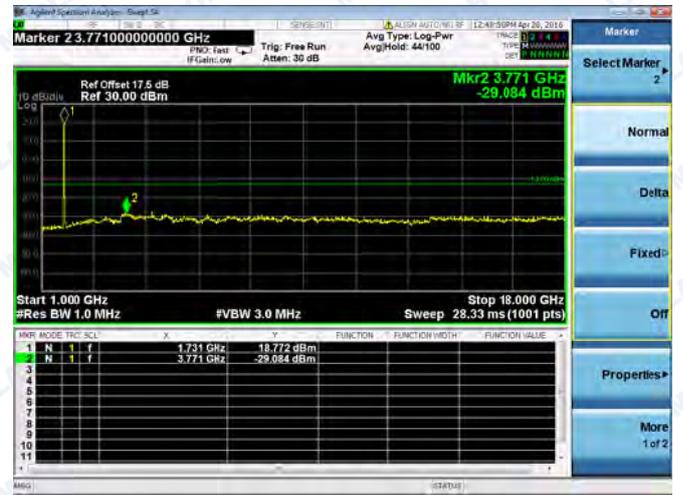
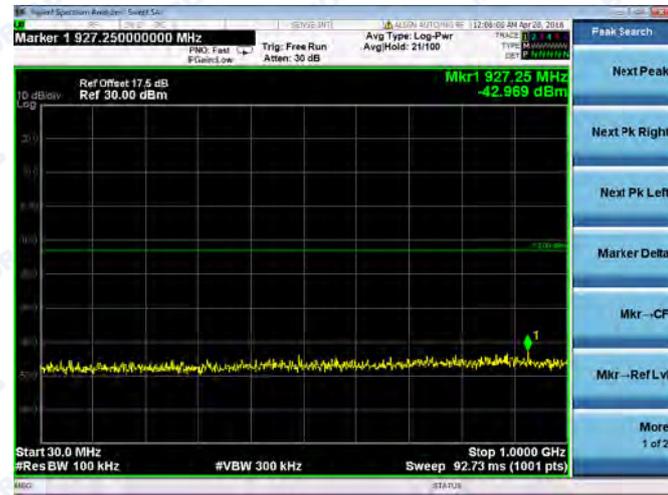
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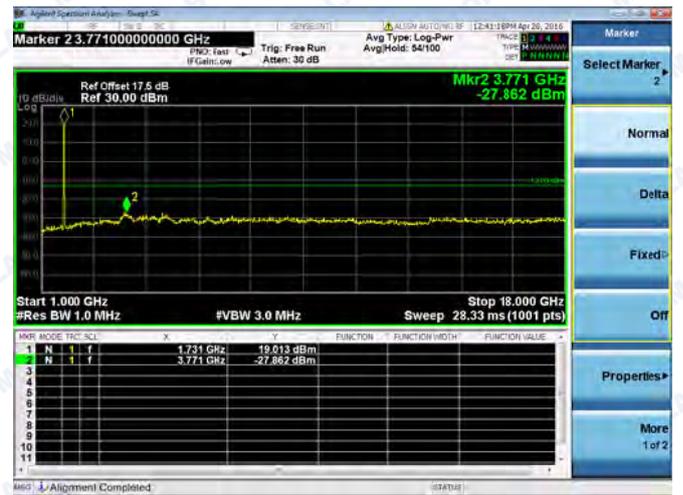


LTE Band 4 10MHz BW Mid Channel

QPSK



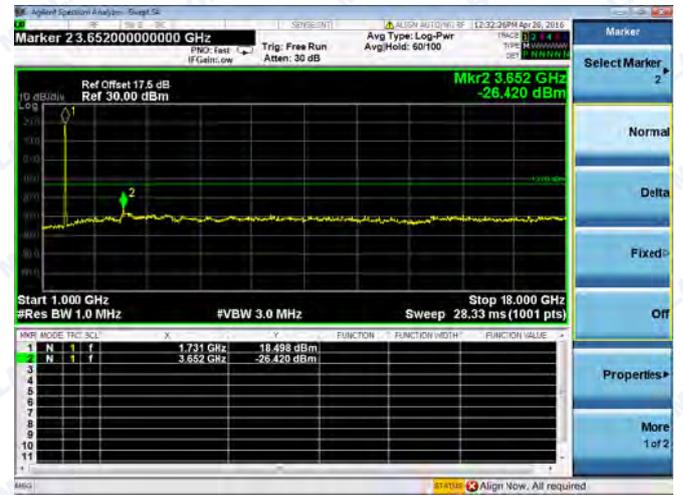
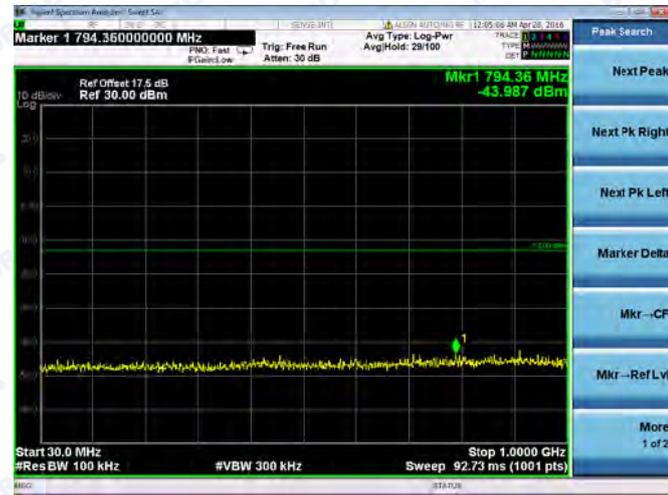
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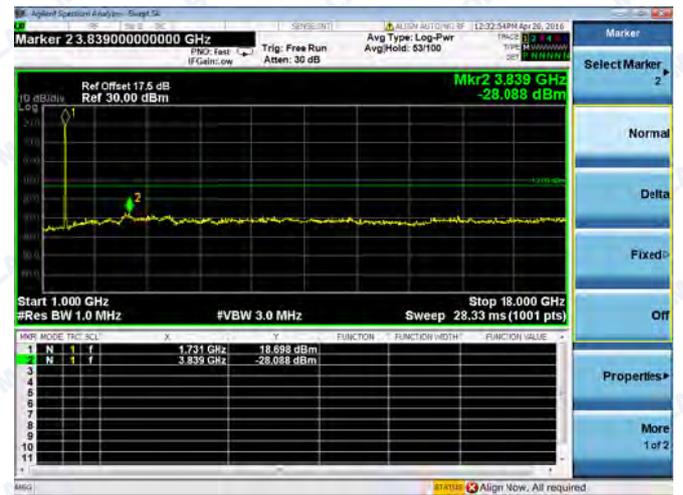
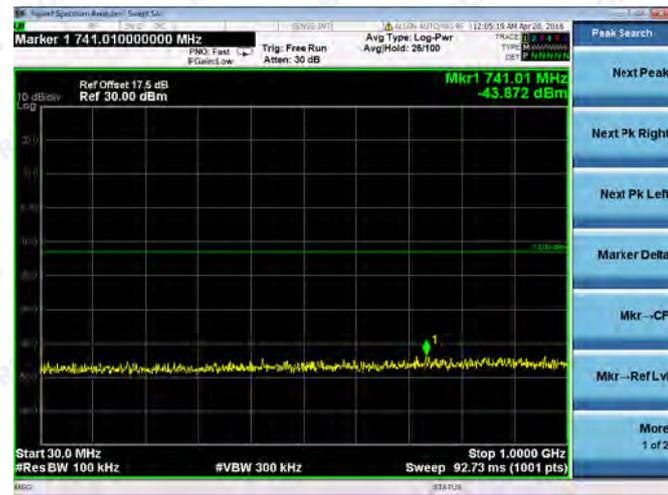


LTE Band 4 15MHz BW Mid Channel

QPSK



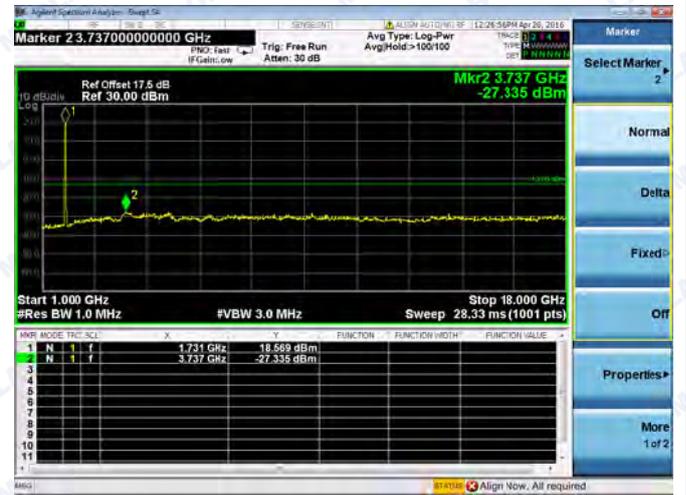
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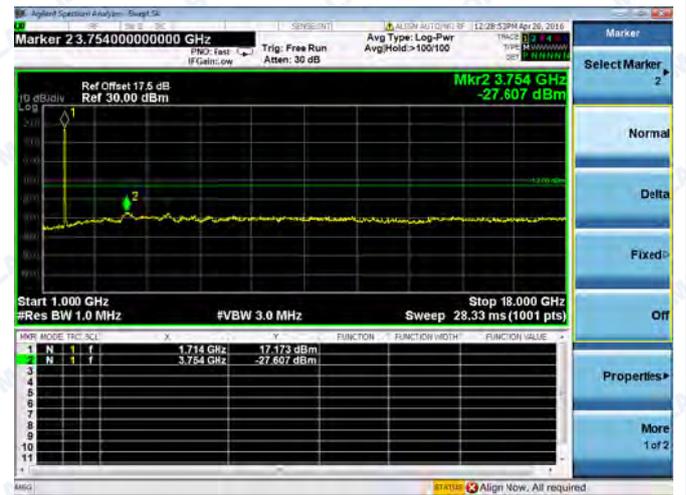


LTE Band 4 20MHz BW Mid Channel

QPSK



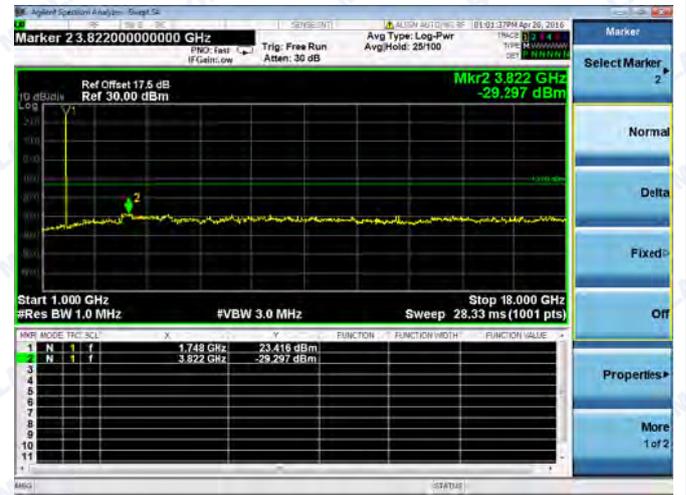
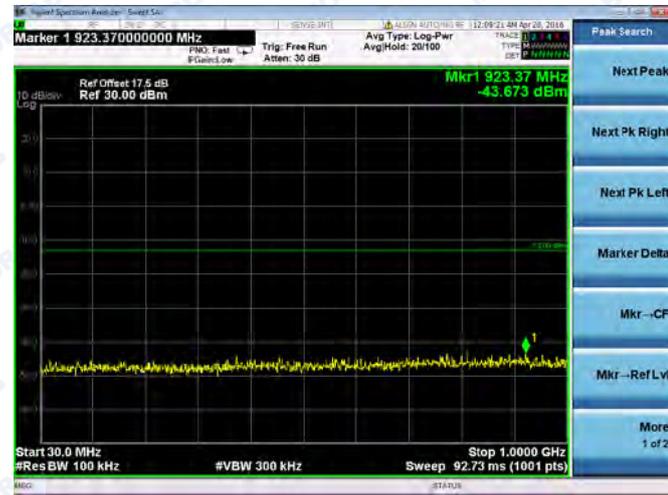
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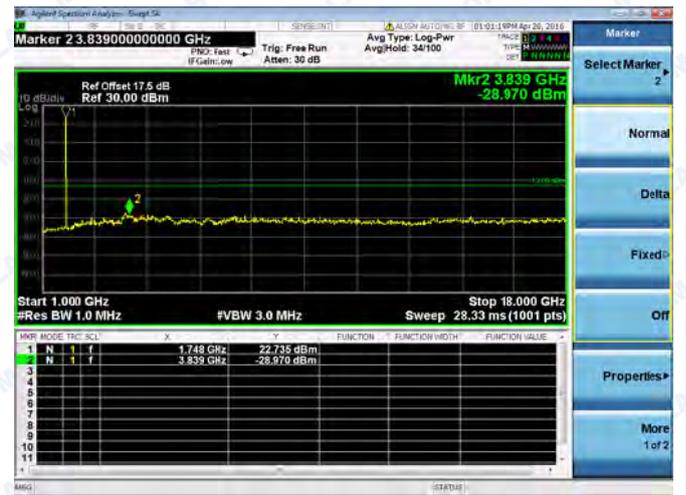
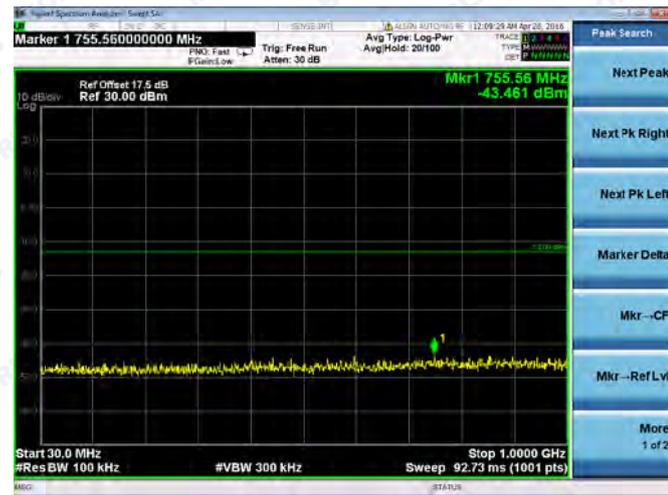


LTE Band 4 1.4MHz BW High Channel

QPSK



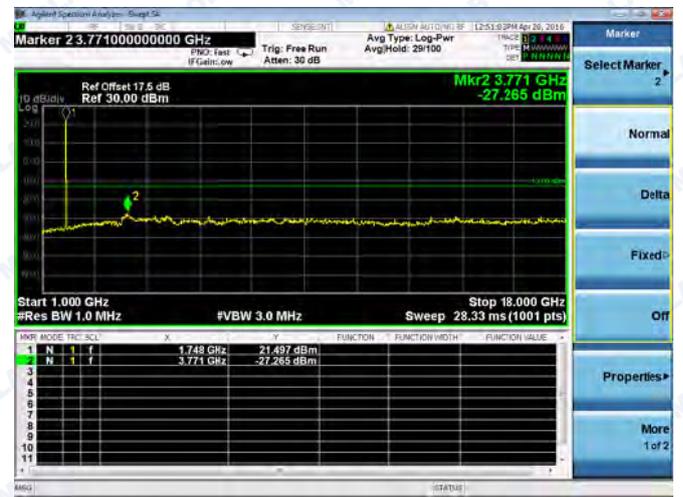
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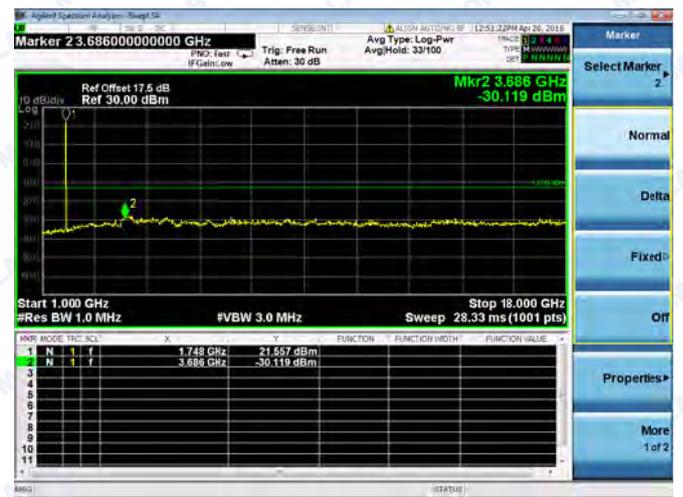


LTE Band 4 3MHz BW High Channel

QPSK



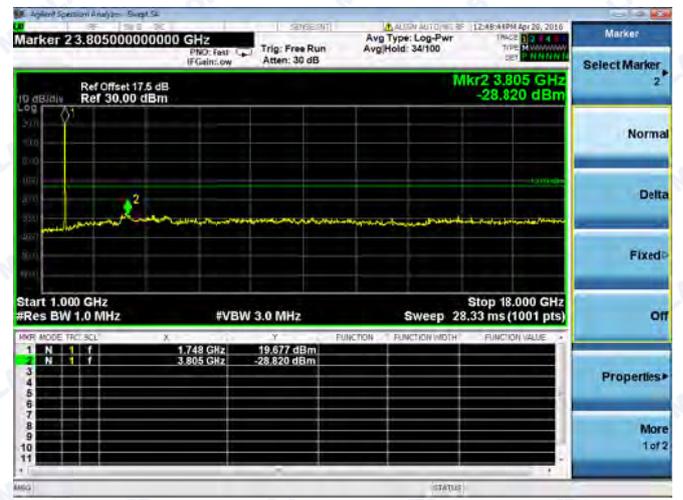
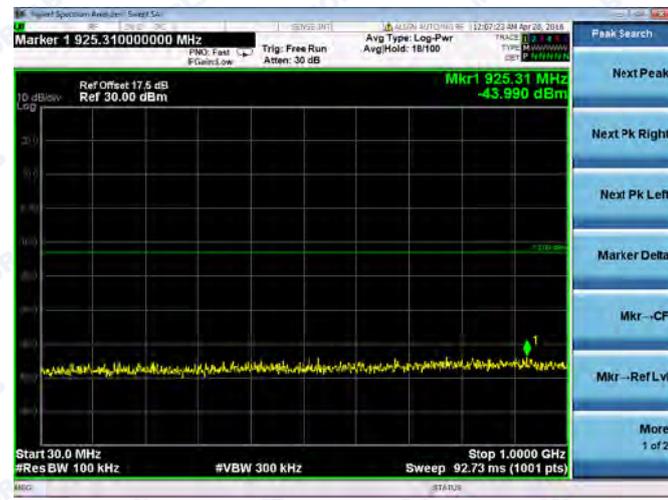
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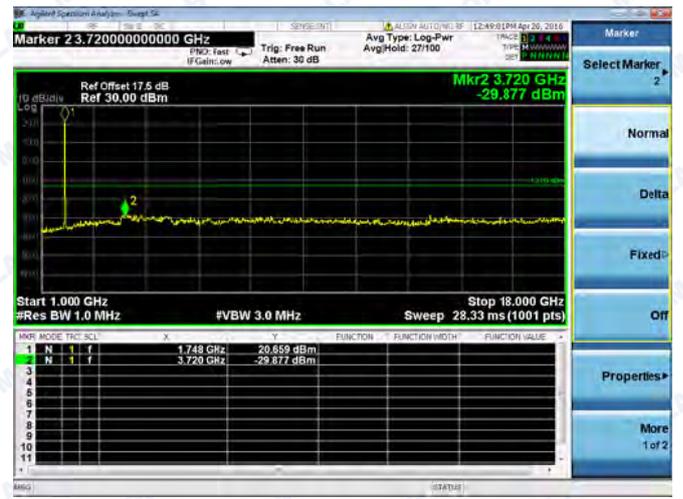
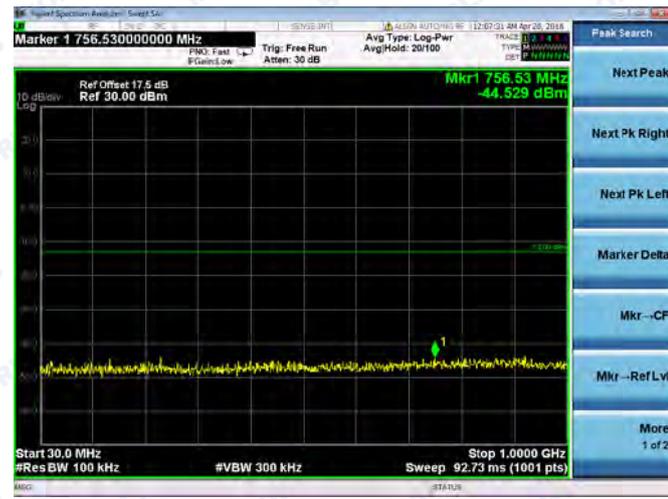


LTE Band 4 5MHz BW High Channel

QPSK



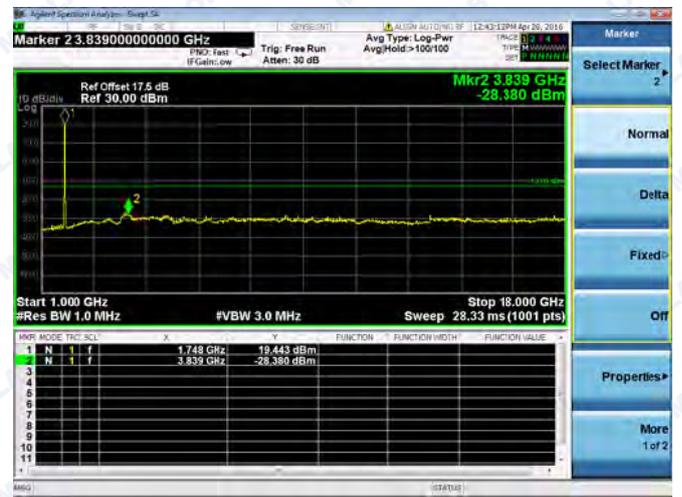
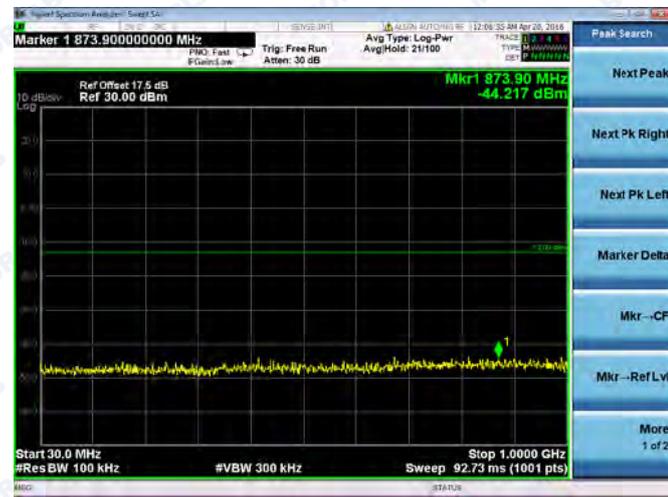
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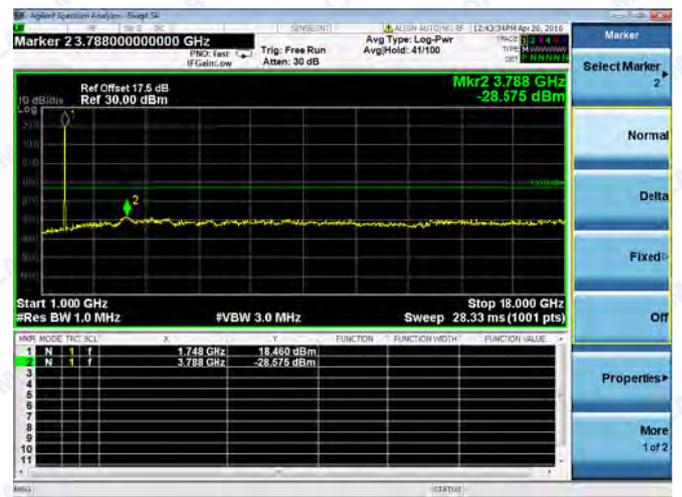


LTE Band 4 10MHz BW High Channel

QPSK



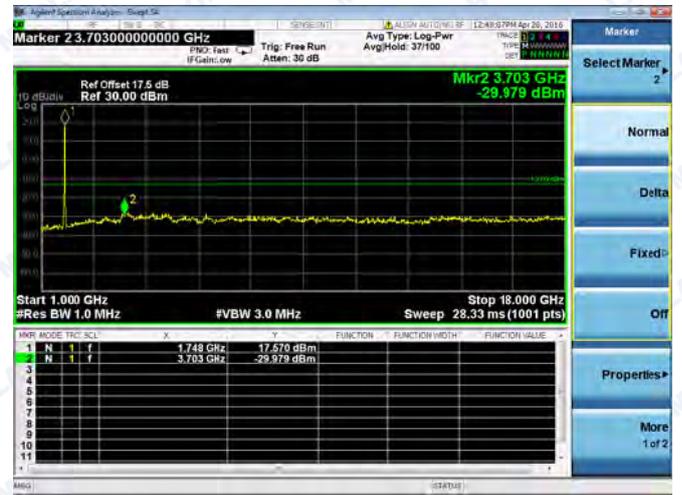
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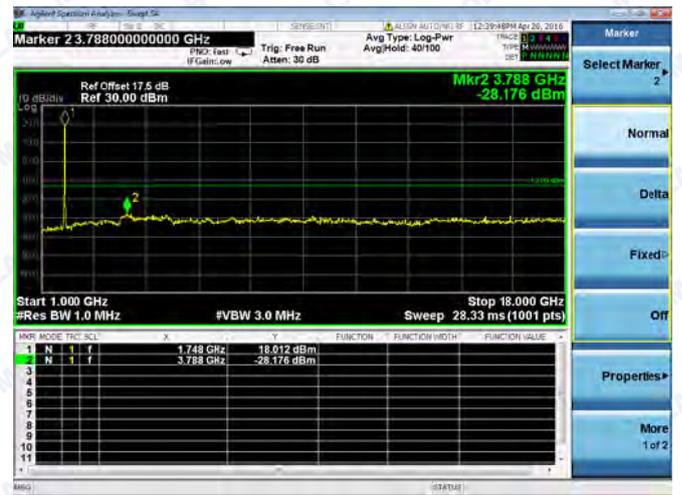


LTE Band 4 15MHz BW High Channel

QPSK



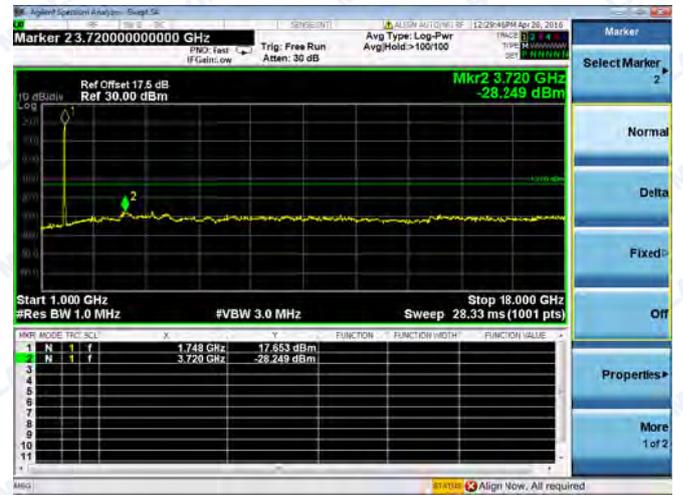
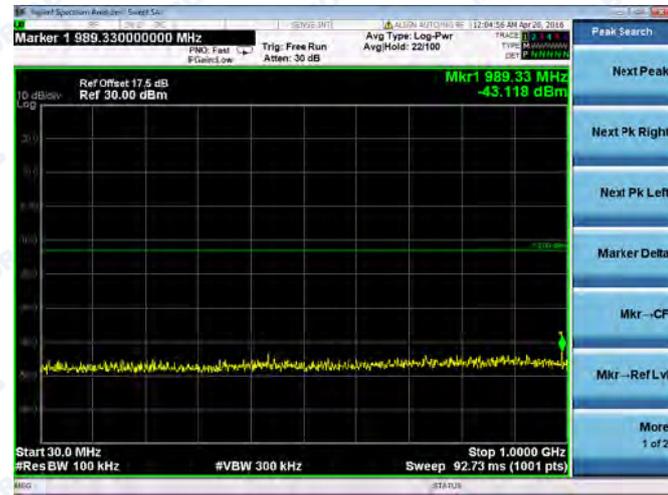
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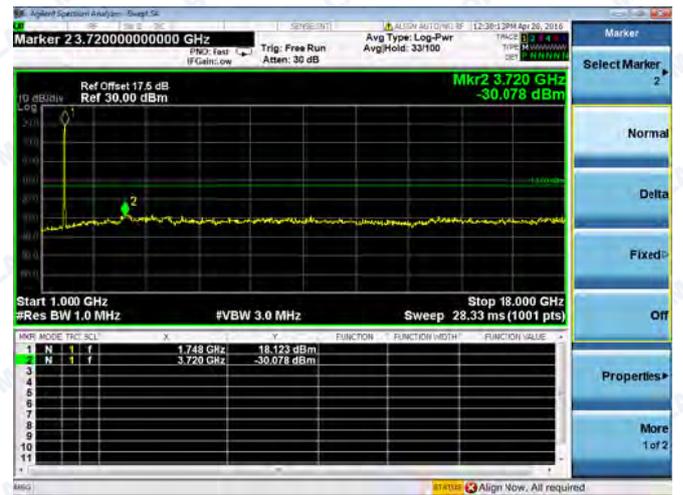
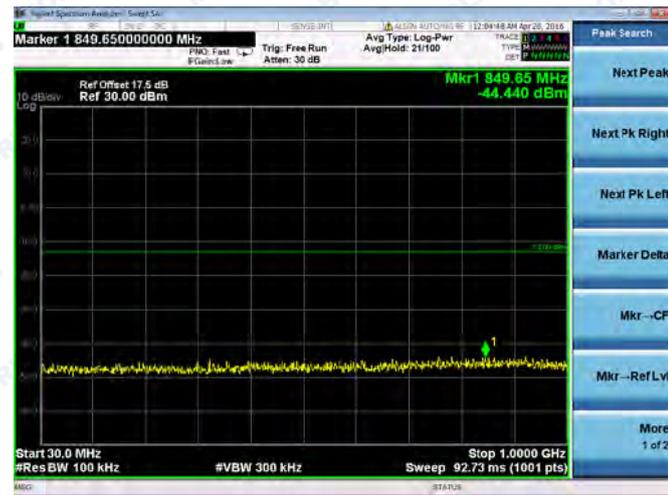


LTE Band 4 20MHz BW High Channel

QPSK



16QAM



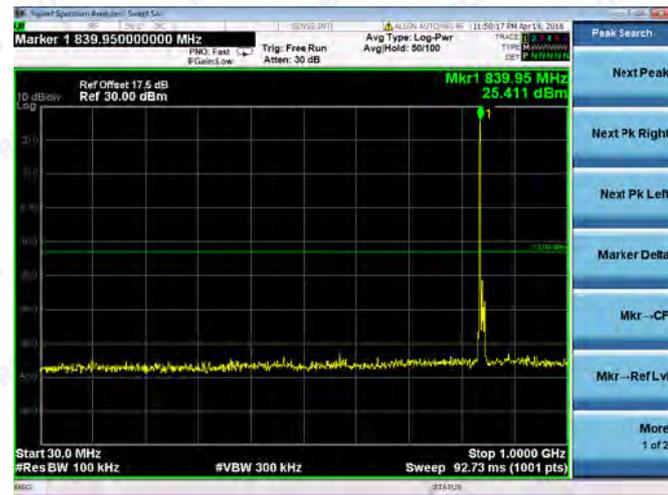


LTE Band 5 1.4MHz BW Low Channel

QPSK



16QAM





LTE Band 5 3MHz BW Low Channel

QPSK



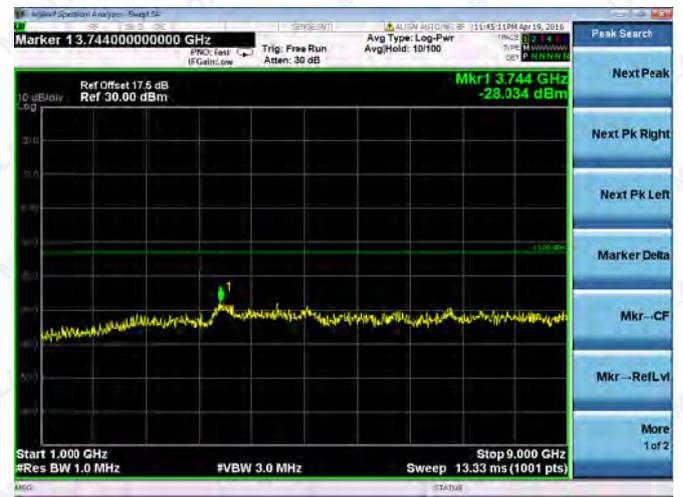
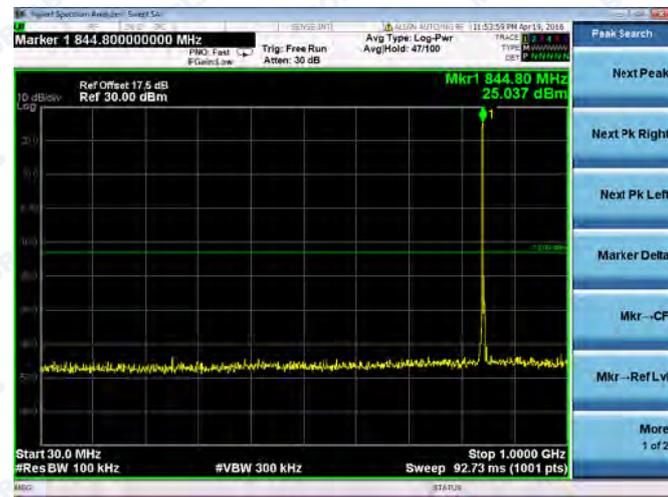
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LTE Band 5 5MHz BW Low Channel

QPSK



16QAM



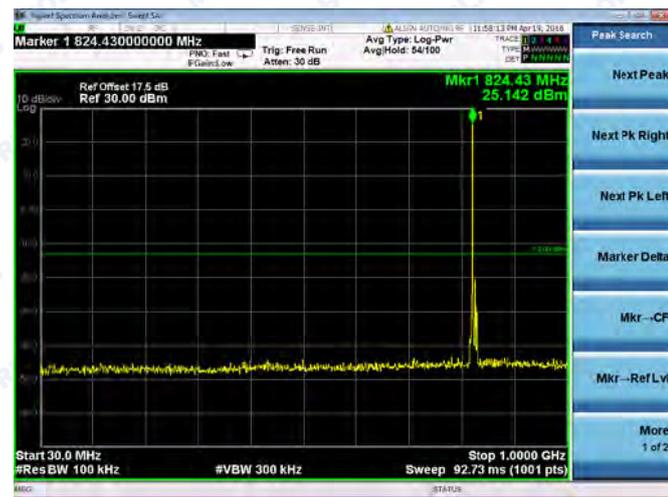


LTE Band 5 10MHz BW Low Channel

QPSK



16QAM





Middle channel:

LTE Band 5 1.4MHz BW Mid Channel

QPSK



16QAM

