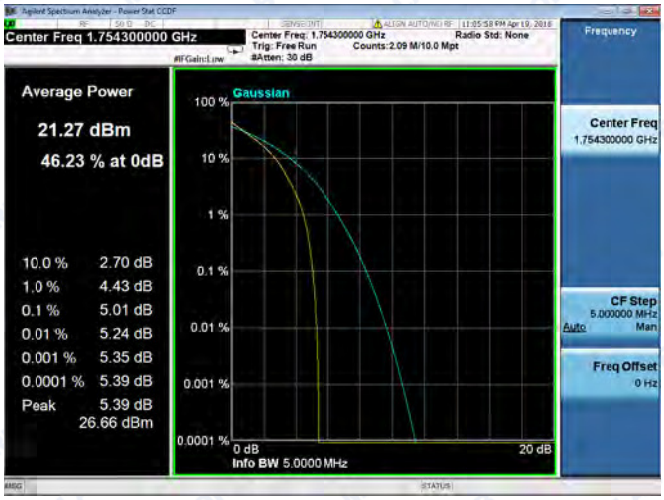
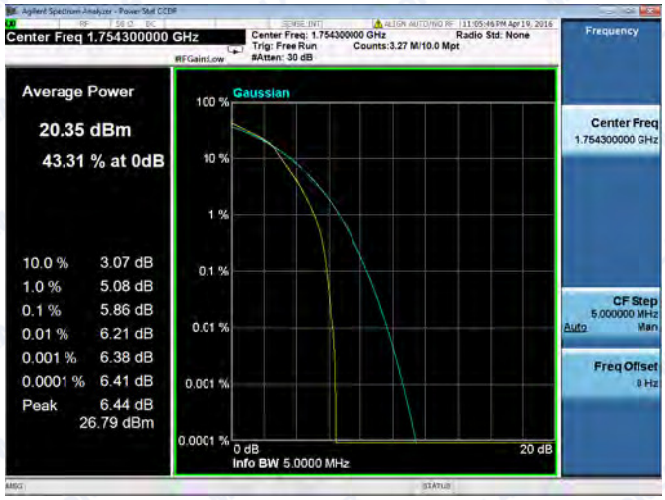
LTE Band 4 High channel							
Channel Bandwidth: 1.4MHz				Channel Bandwidth: 3MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20393	1754.3	5.01	5.86	20385	1753.5	5.12	6.04

Spectrum Plot of Worst Value

1.4MHz/QPSK

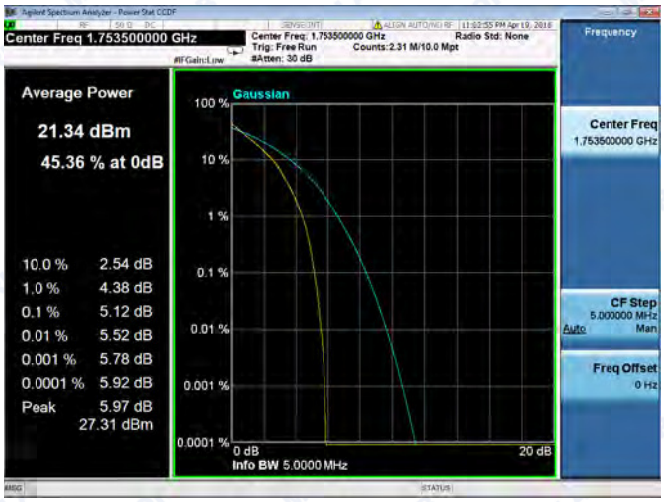


1.4MHz/16QAM

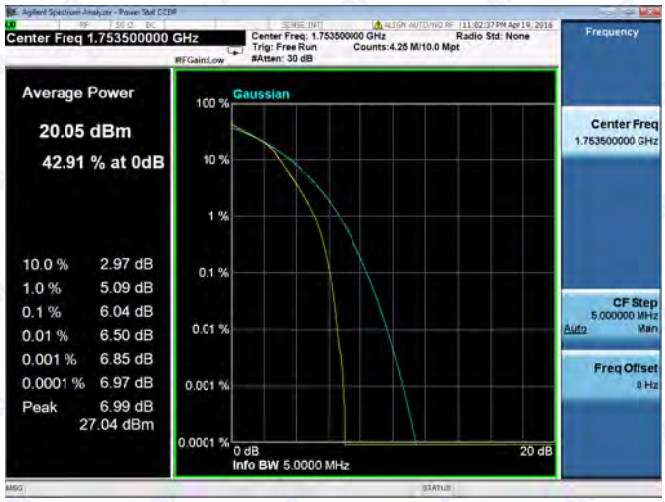


Spectrum Plot of Worst Value

3MHz/QPSK



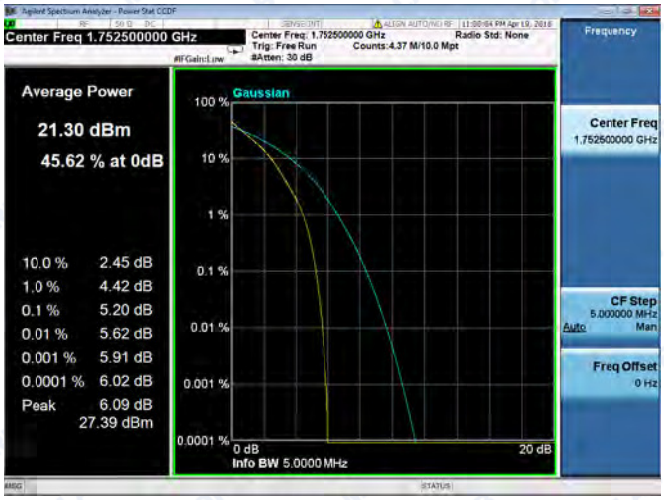
3MHz/16QAM



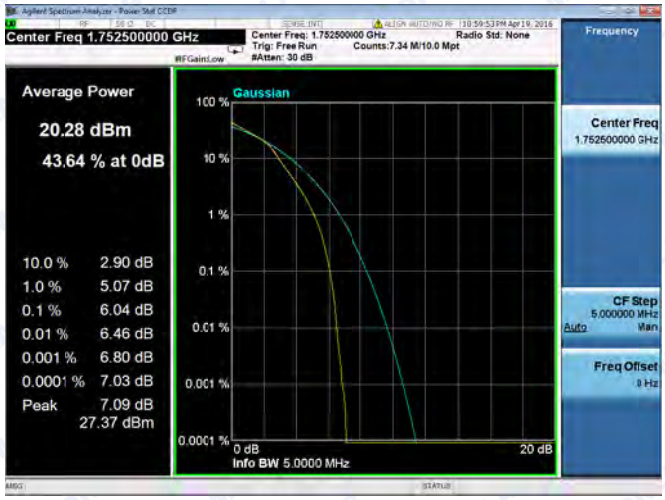
LTE Band 4 High channel							
Channel Bandwidth: 5MHz				Channel Bandwidth: 10MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20375	1752.5	5.20	6.04	20350	1750.0	4.65	6.10

Spectrum Plot of Worst Value

5MHz/QPSK

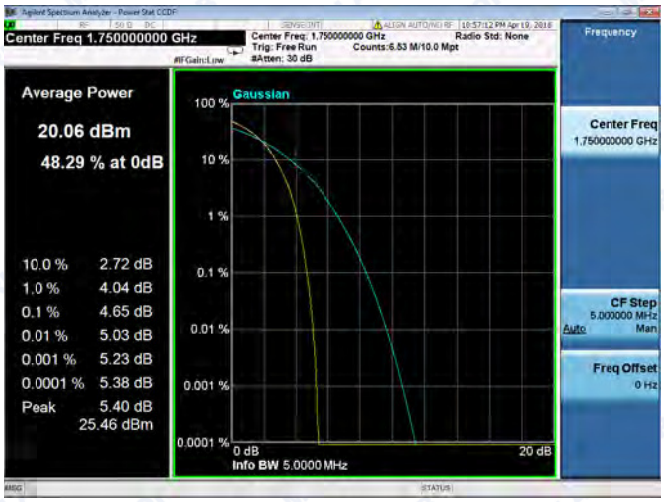


5MHz/16QAM

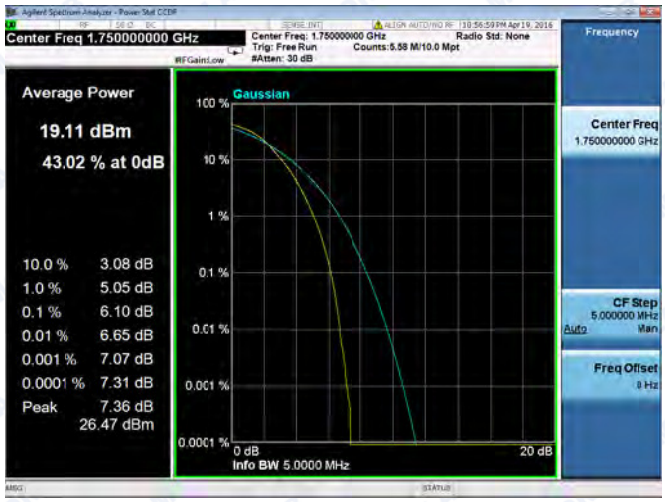


Spectrum Plot of Worst Value

10MHz/QPSK



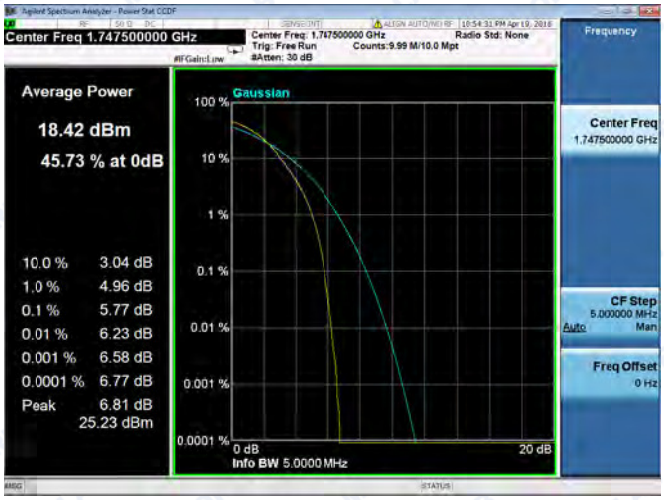
10MHz/16QAM



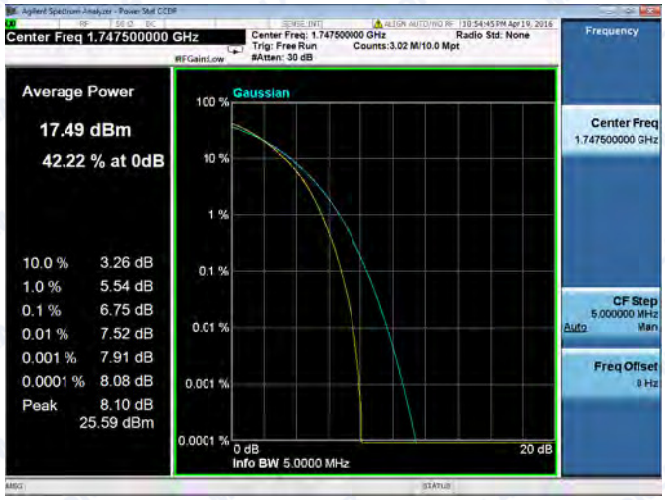
LTE Band 4 High channel							
Channel Bandwidth: 15MHz				Channel Bandwidth: 20MHz			
Channel	Frequency (MHz)	Peak to Average Ratio (dB)		Channel	Frequency (MHz)	Peak to Average Ratio (dB)	
		QPSK	16QAM			QPSK	16QAM
20325	1747.5	5.77	6.75	20300	1745.0	6.47	7.21

Spectrum Plot of Worst Value

15MHz/QPSK

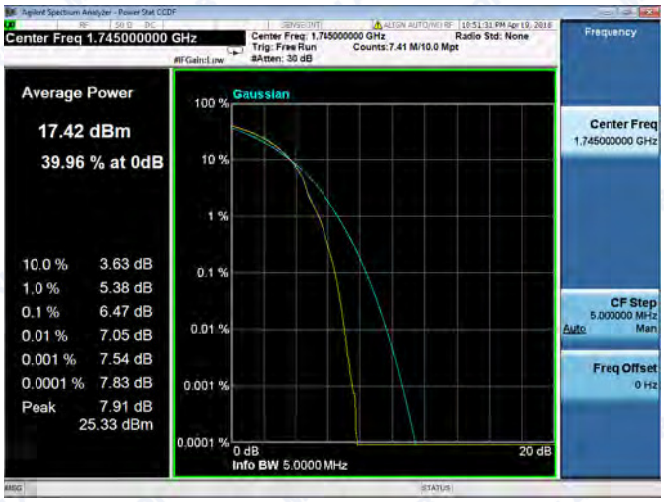


15MHz/16QAM

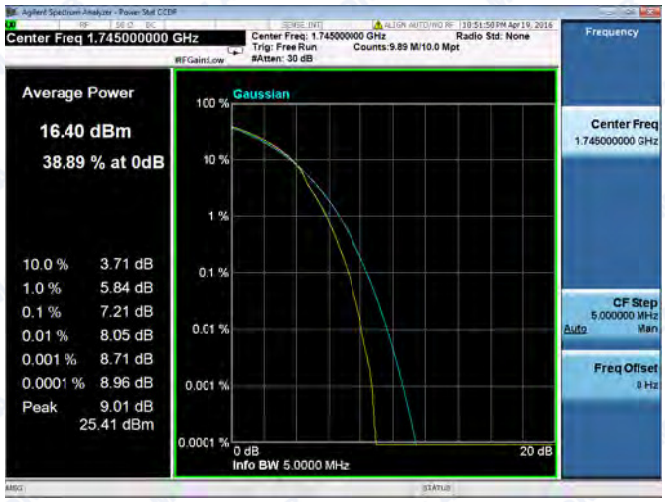


Spectrum Plot of Worst Value

20MHz/QPSK



20MHz/16QAM



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.

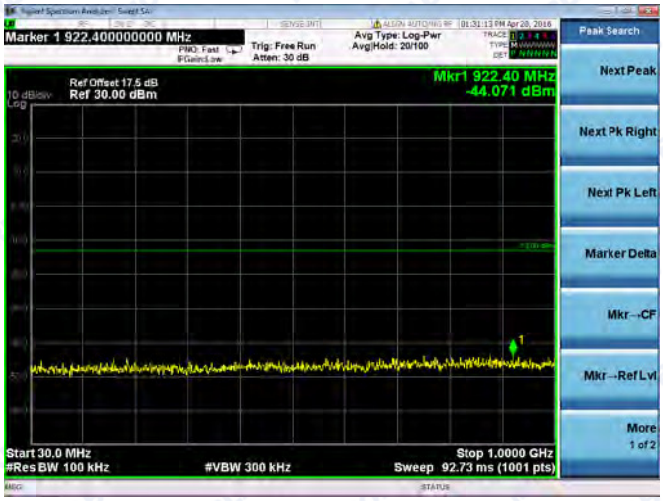
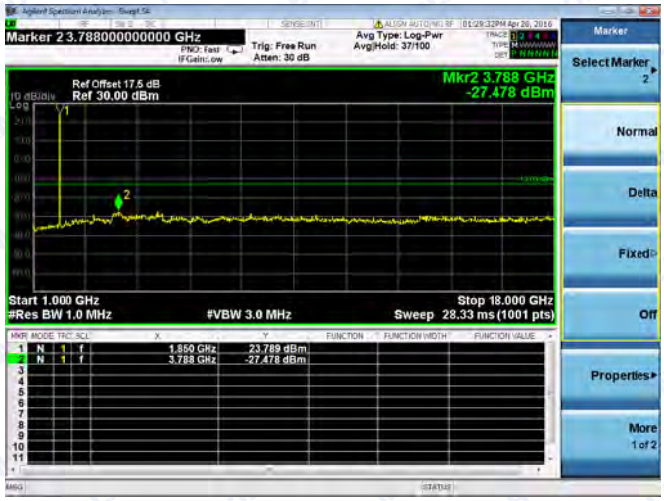
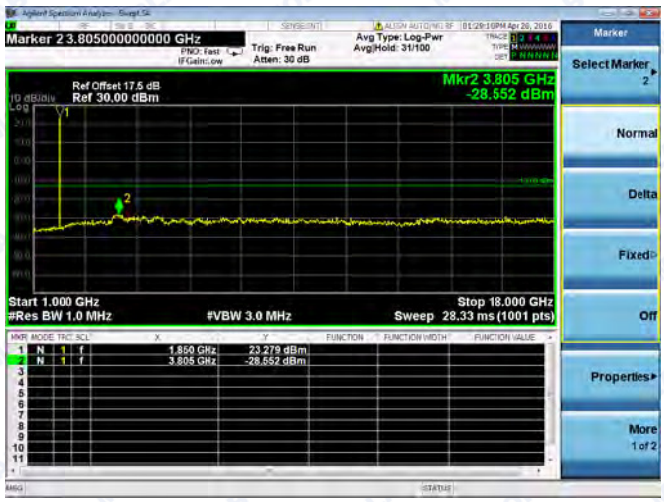
2.5.2 Test Procedure

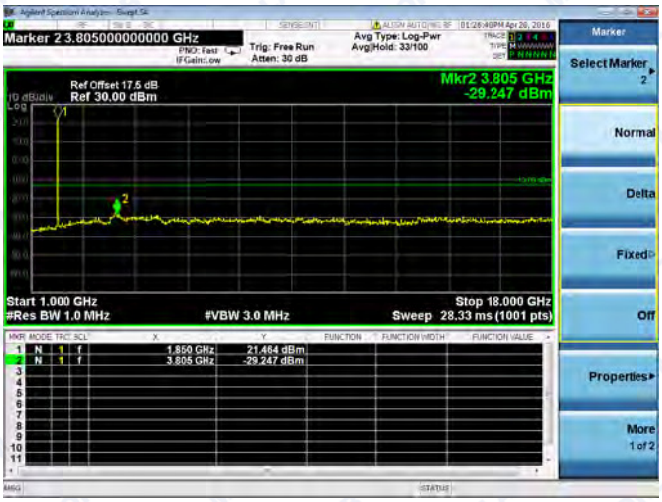
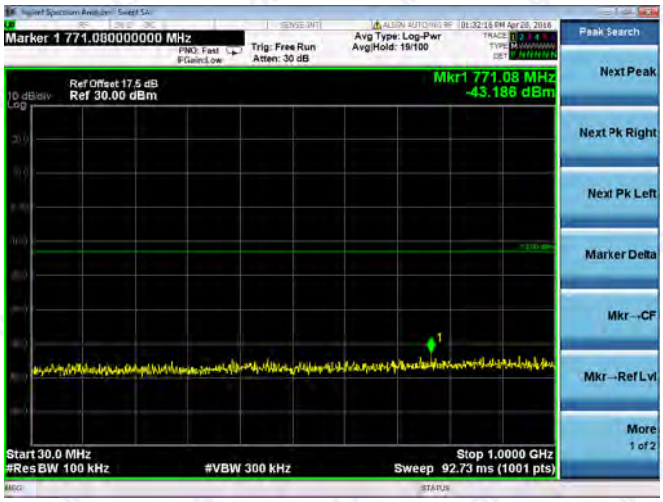
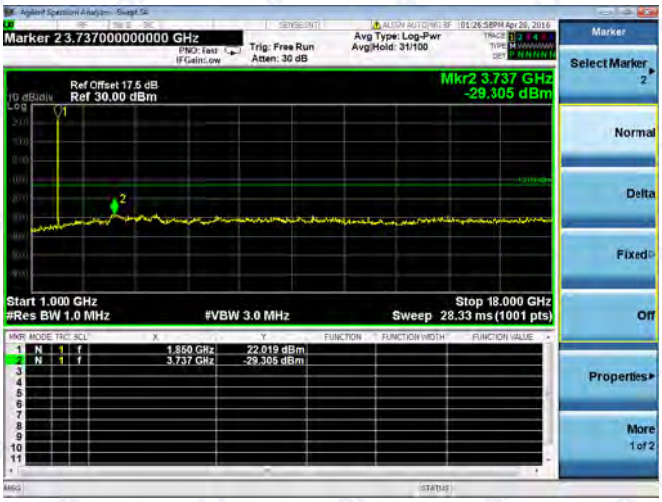
See section 2.1.2 of this report.

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

2.5.3 Test Result

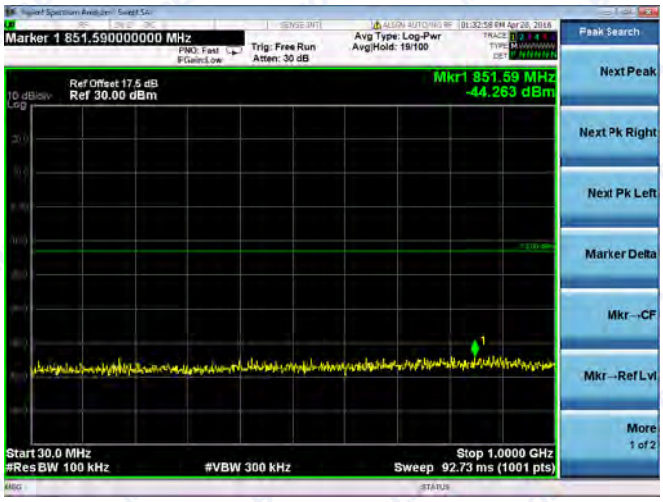
Compliant. See attached pots.

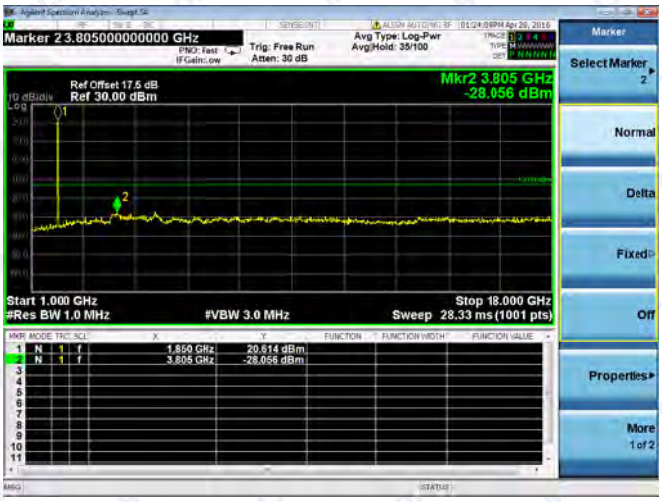
LTE Band 2 1.4MHz BW Low Channel	
QPSK	
	
16QAM	
	

LTE Band 2 3MHz BW Low Channel	
QPSK	
	
16QAM	
	

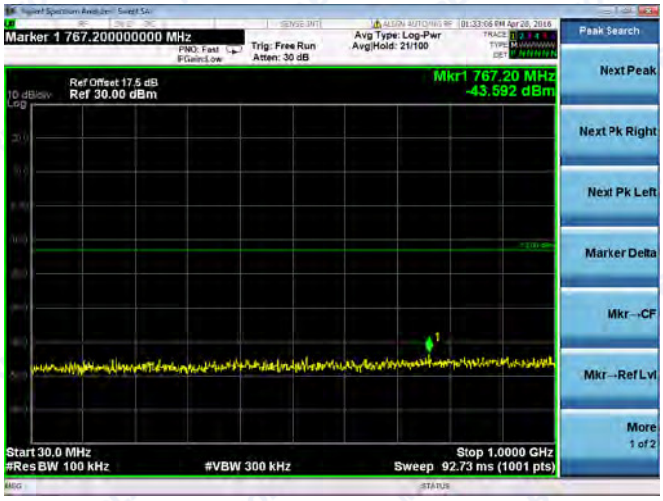
LTE Band 2 5MHz BW Low Channel

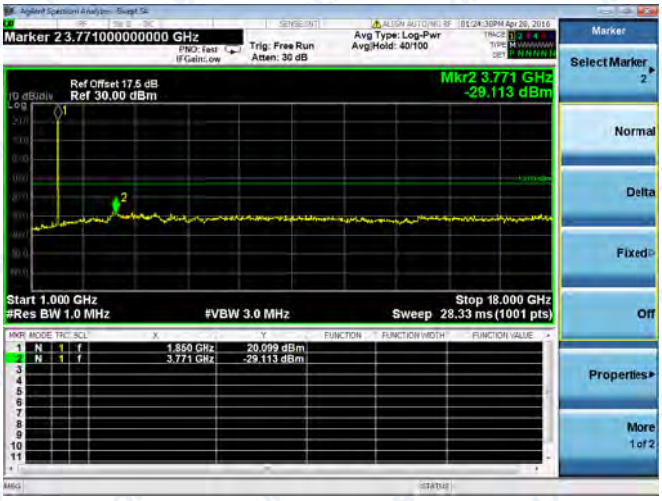
QPSK

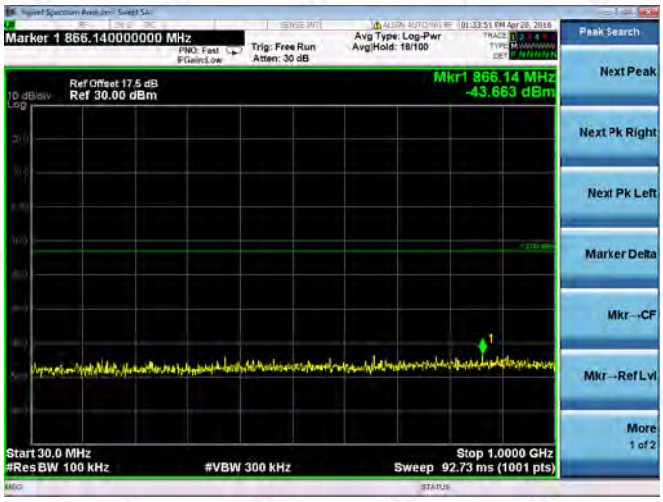
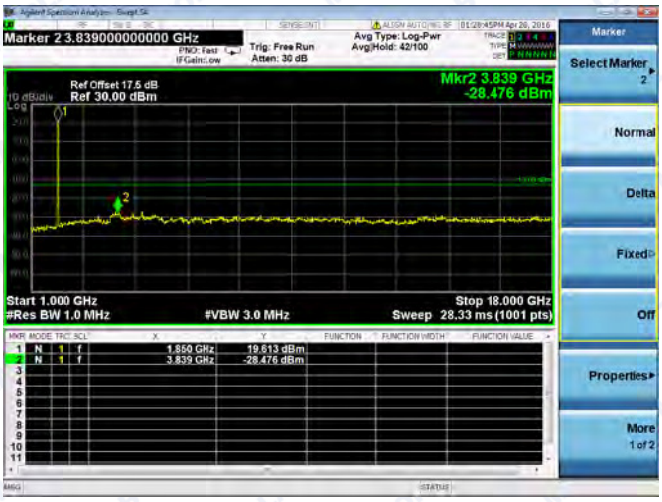
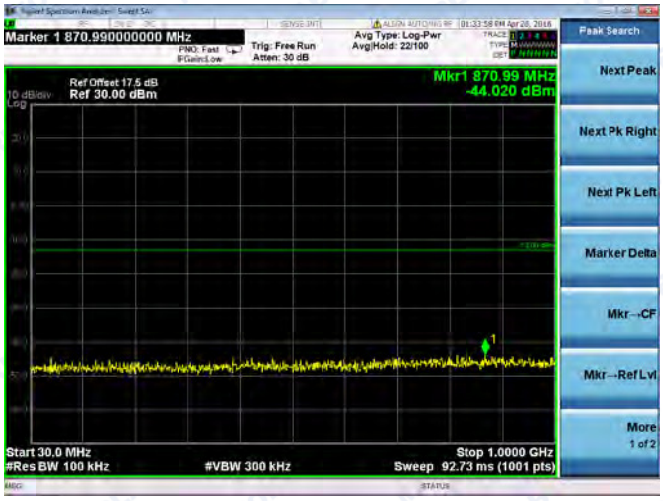
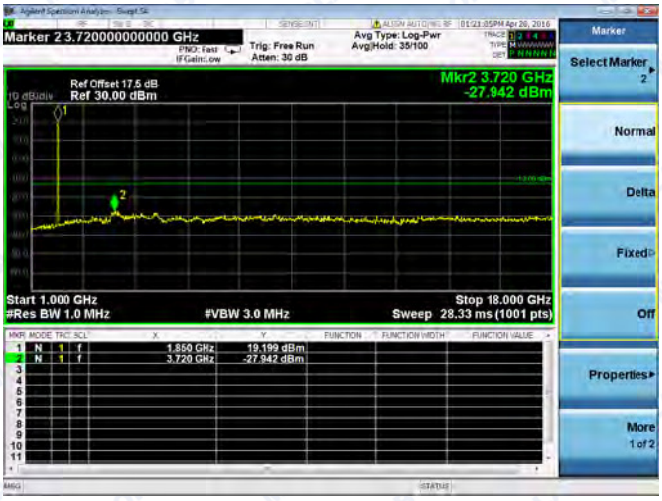




16QAM

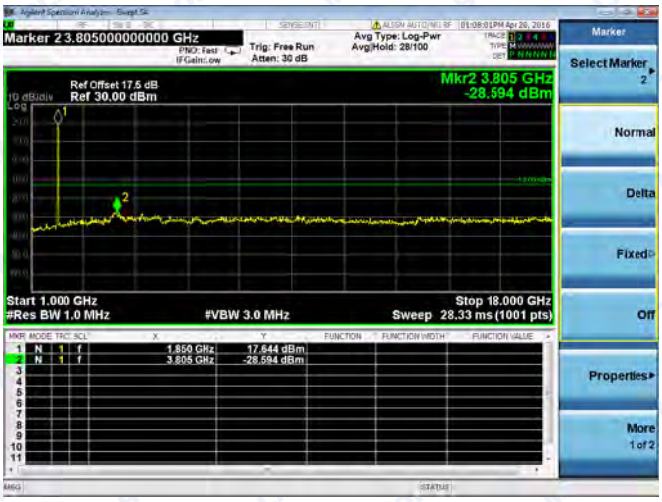




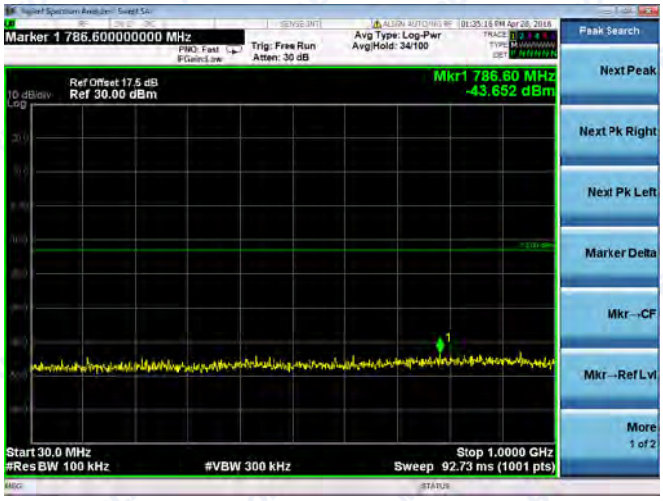
LTE Band 2 10MHz BW Low Channel	
QPSK	
	
16QAM	
	

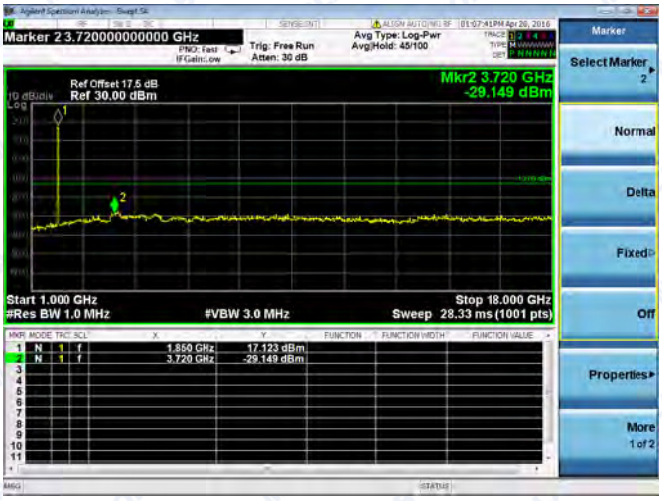
LTE Band 2 15MHz BW Low Channel

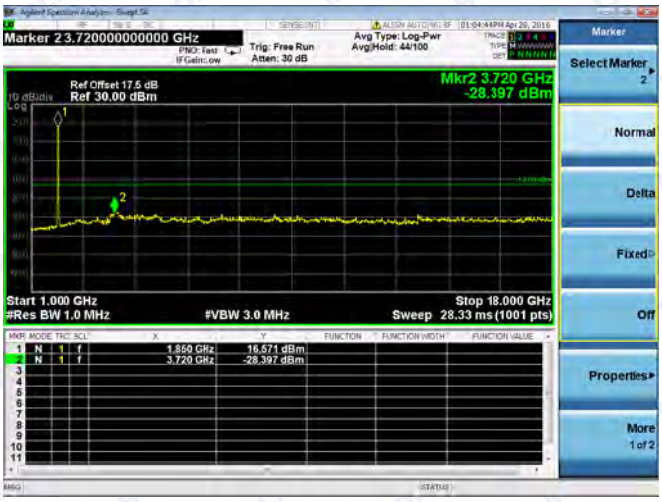
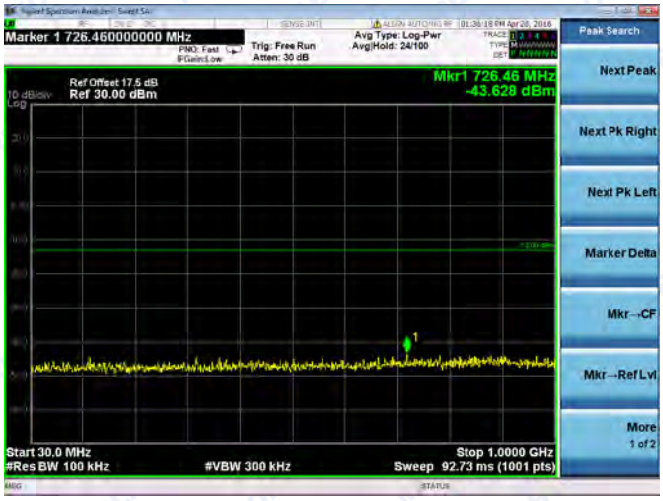
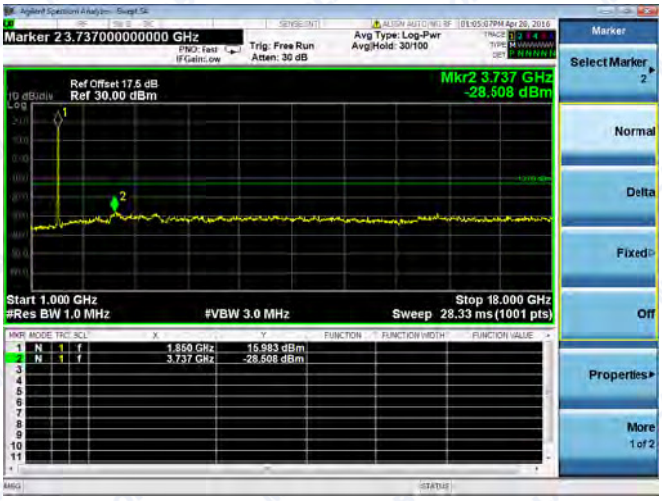
QPSK



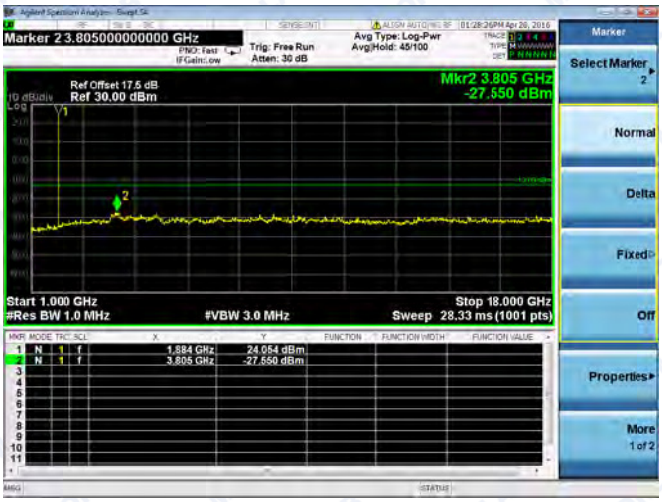
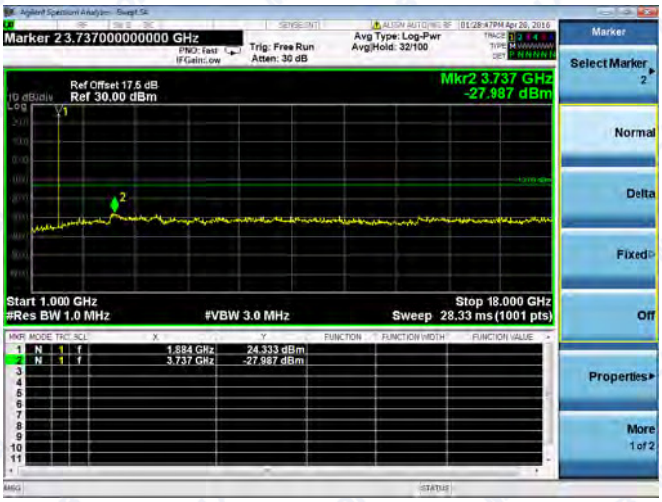
16QAM

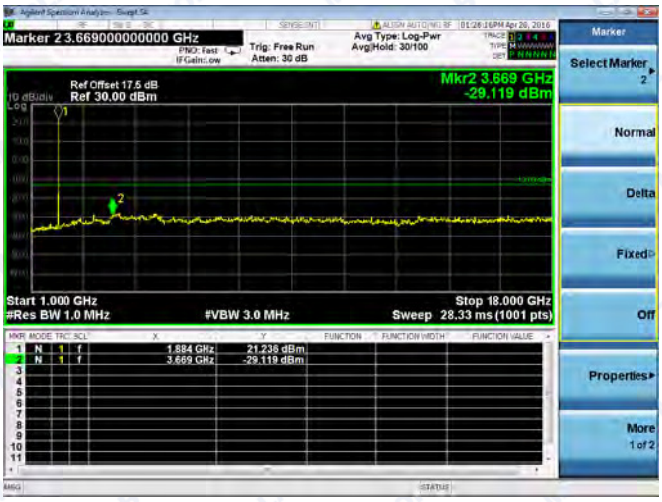
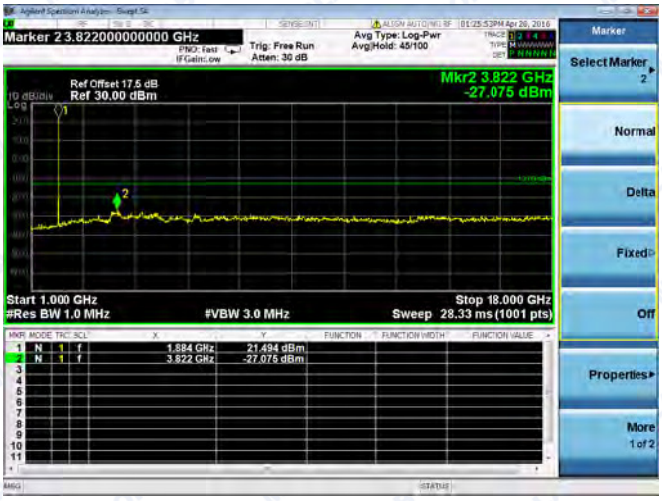




LTE Band 2 20MHz BW Low Channel	
QPSK	
	
16QAM	
	

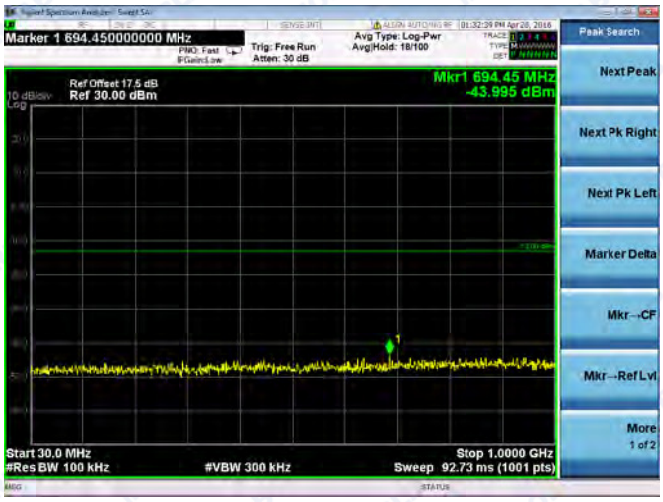
Middle channel:

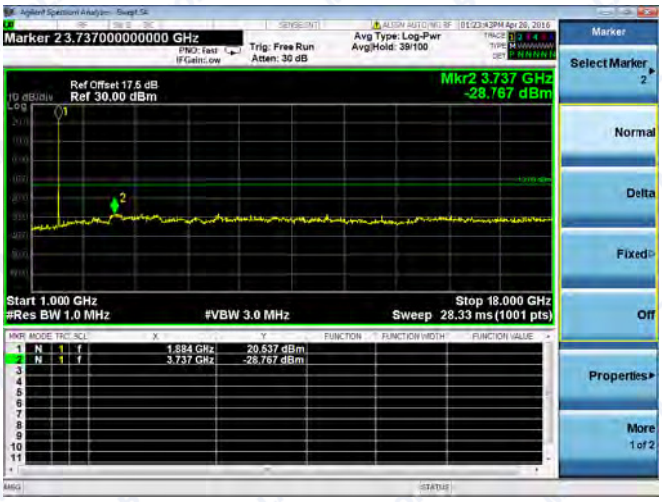
LTE Band 2 1.4MHz BW Mid Channel	
QPSK	
	
16QAM	
	

LTE Band 2 3MHz BW Mid Channel	
QPSK	
	
16QAM	
	

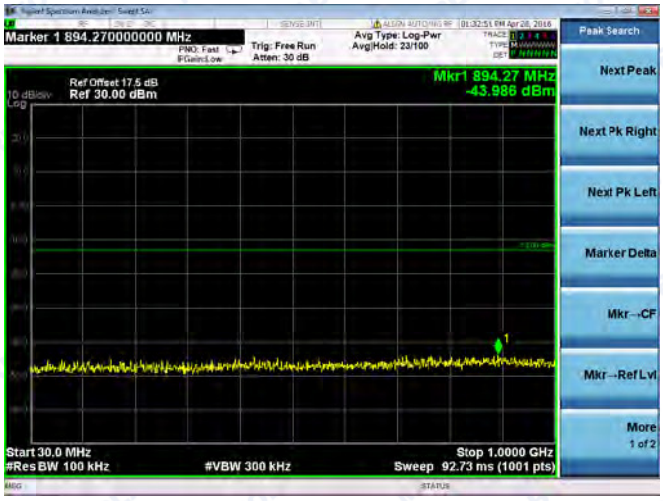
LTE Band 2 5MHz BW Mid Channel

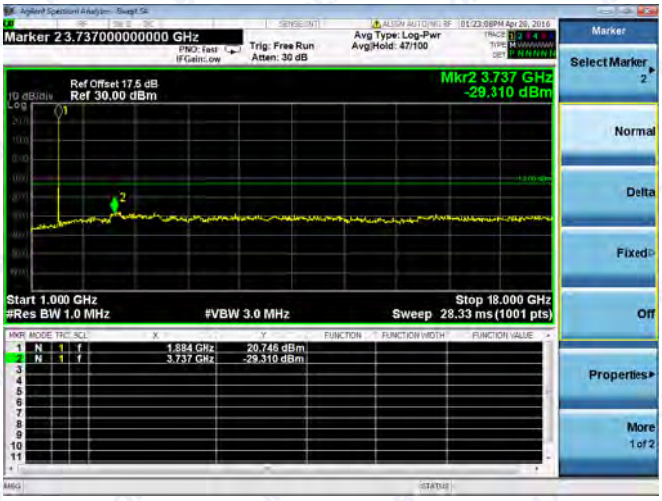
QPSK





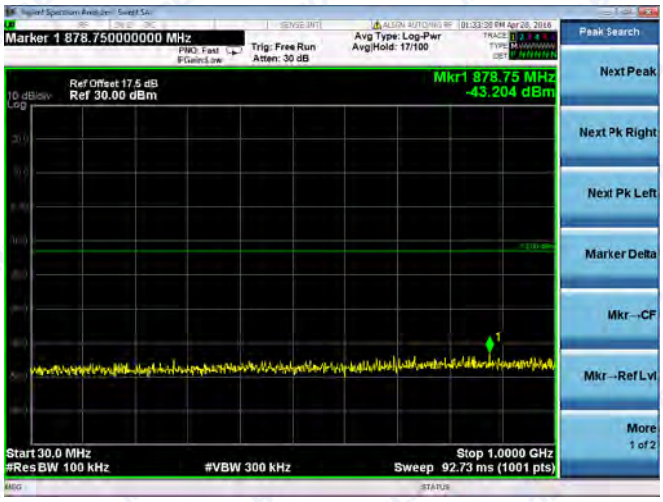
16QAM

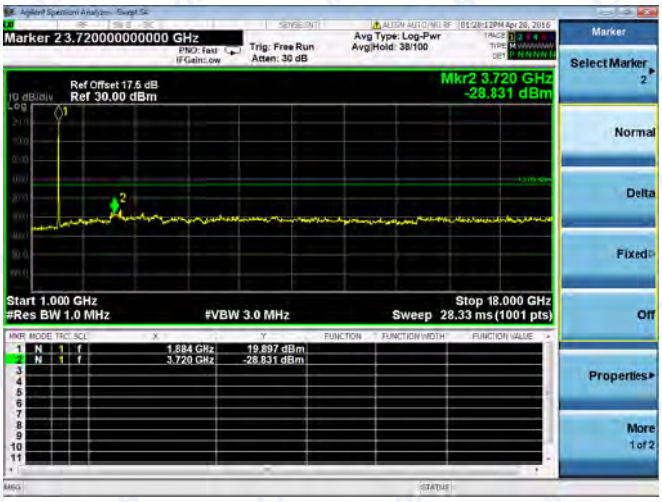




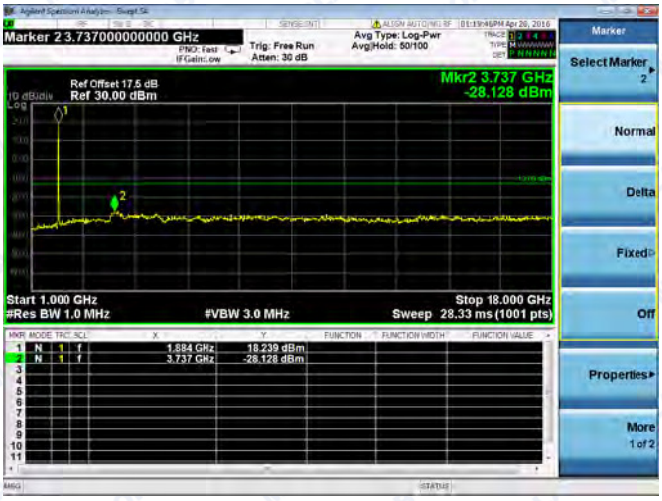
LTE Band 2 10MHz BW Mid Channel

QPSK



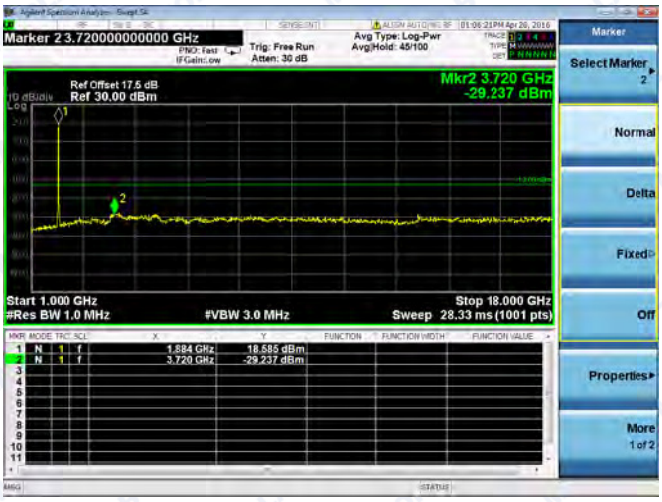


16QAM

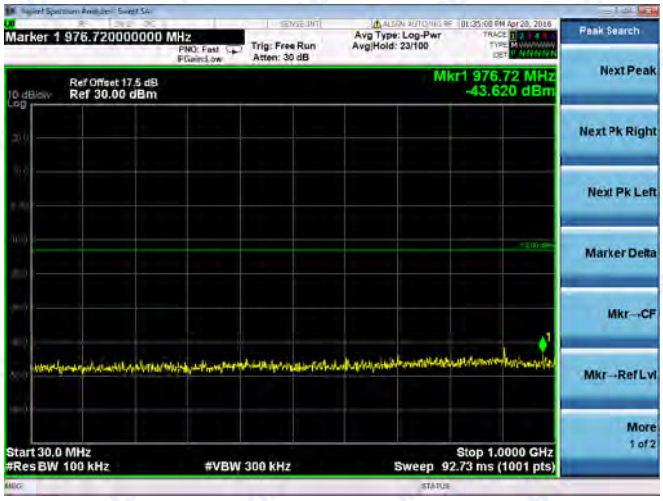


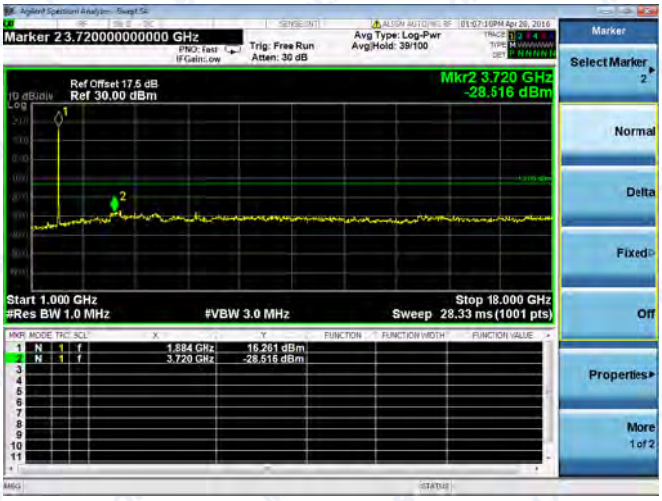
LTE Band 2 15MHz BW Mid Channel

QPSK



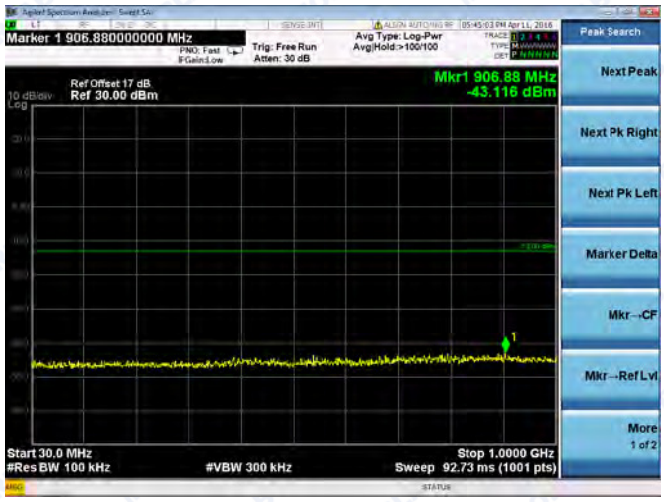
16QAM

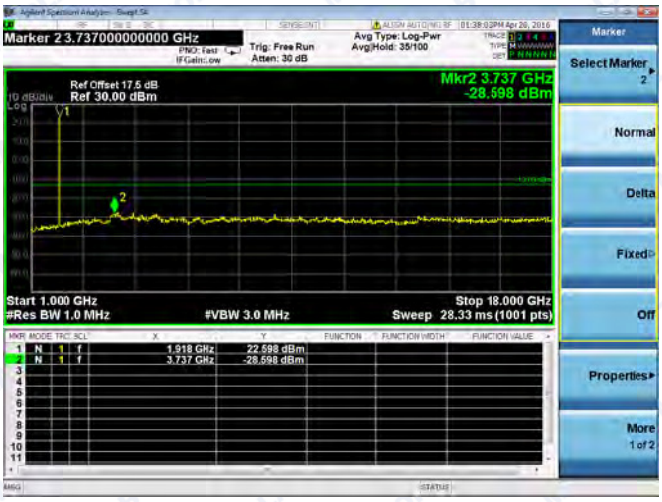




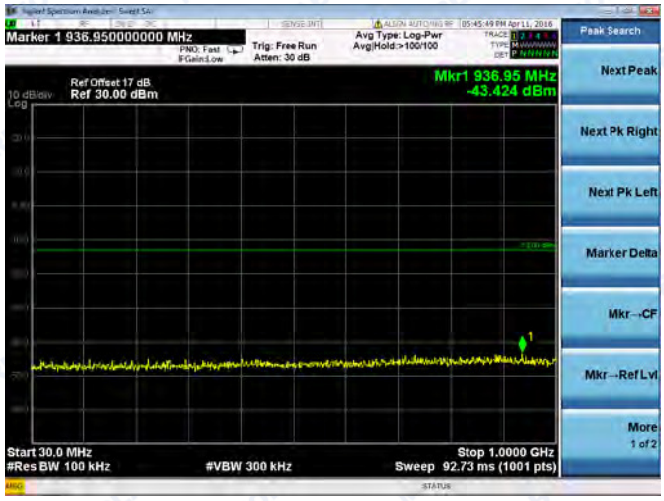
LTE Band 2 20MHz BW Mid Channel

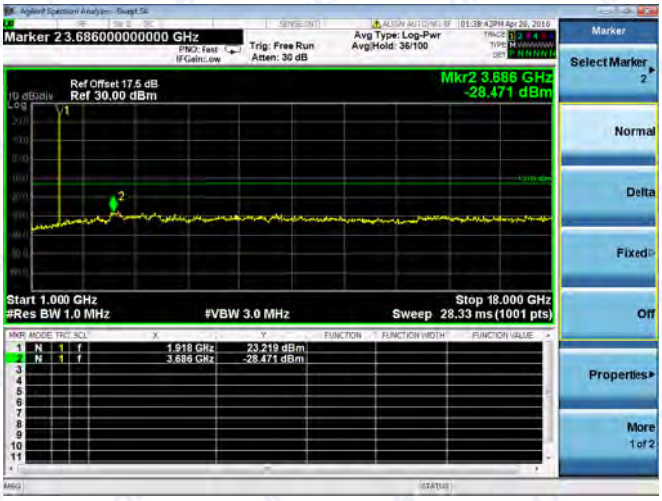
QPSK





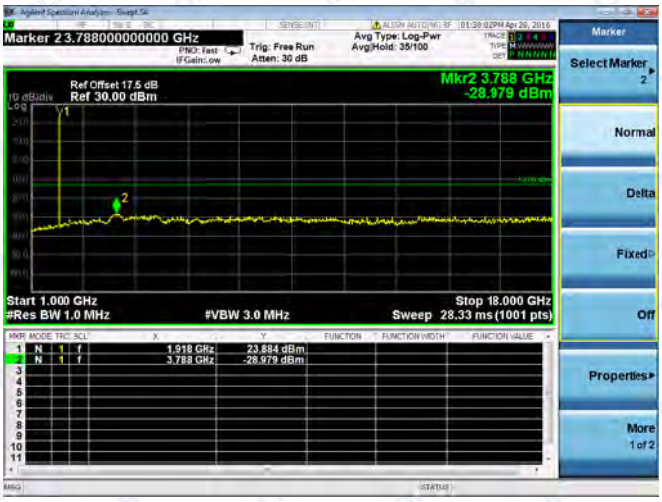
16QAM



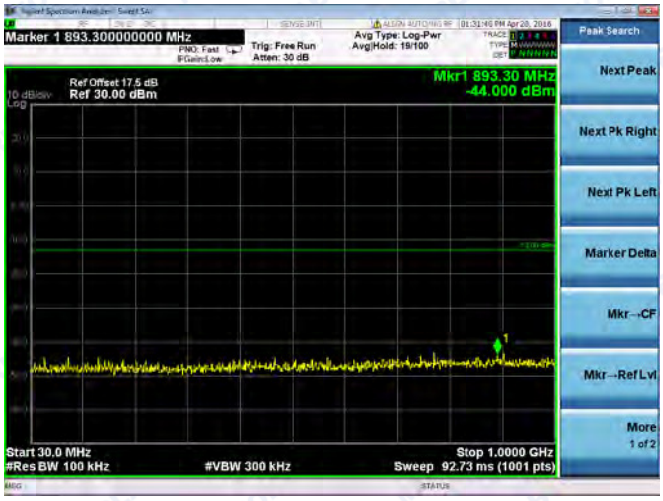


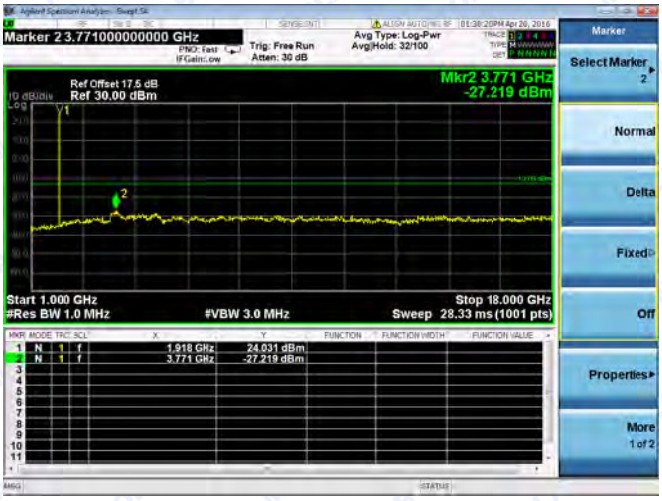
LTE Band 2 1.4MHz BW High Channel

QPSK



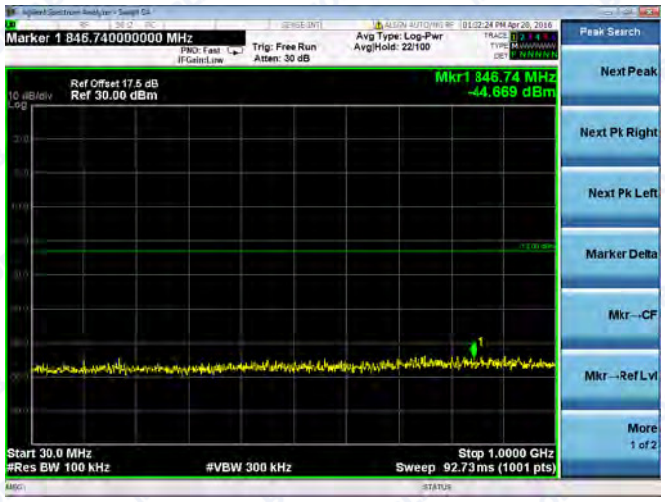
16QAM

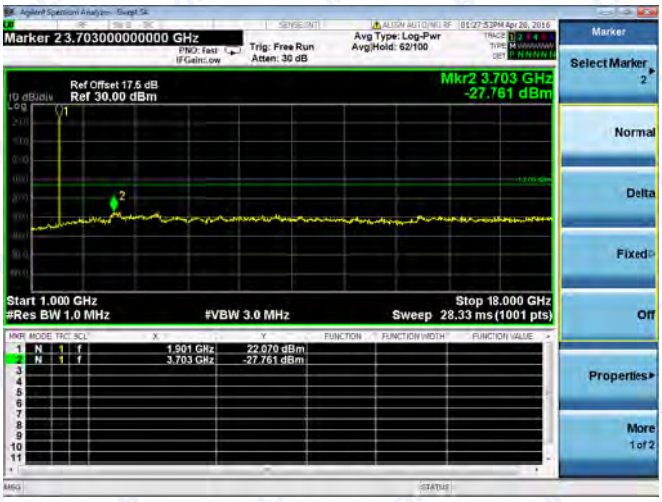




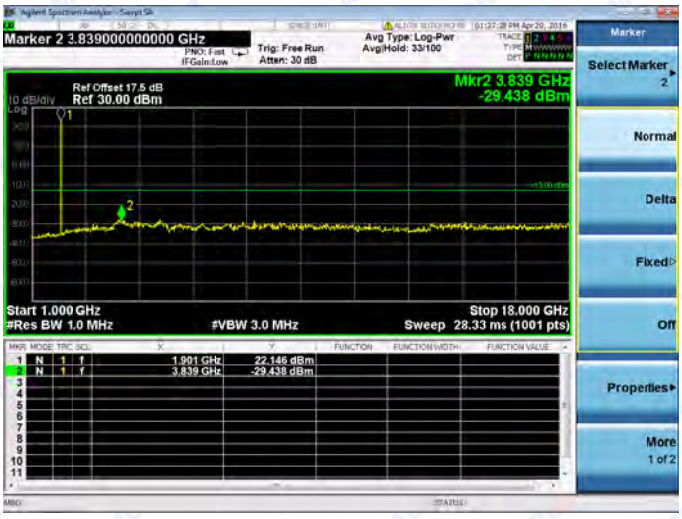
LTE Band 2 3MHz BW High Channel

QPSK



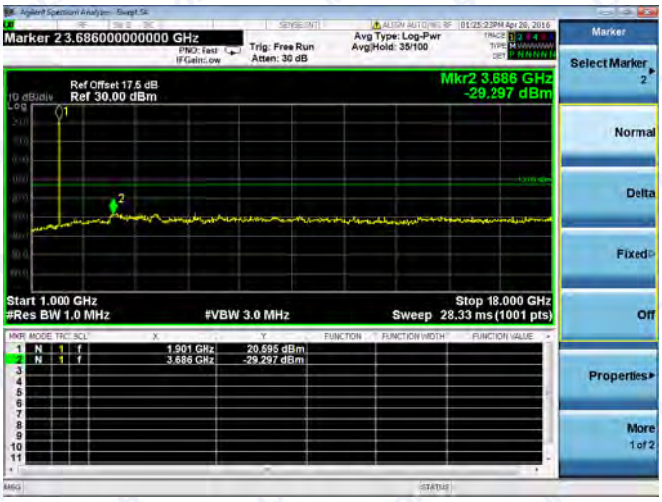


16QAM

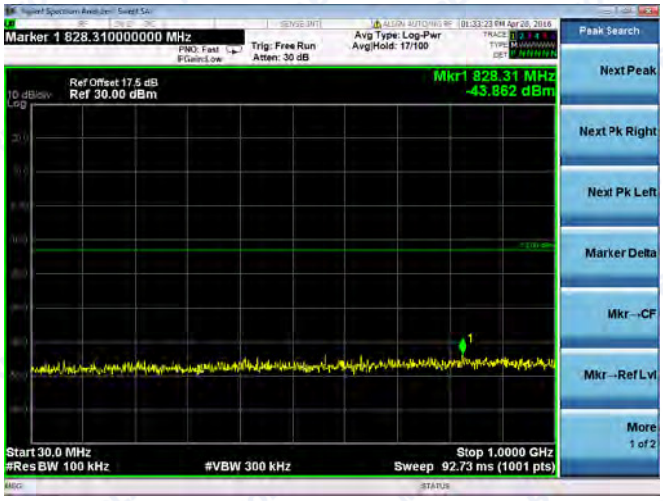


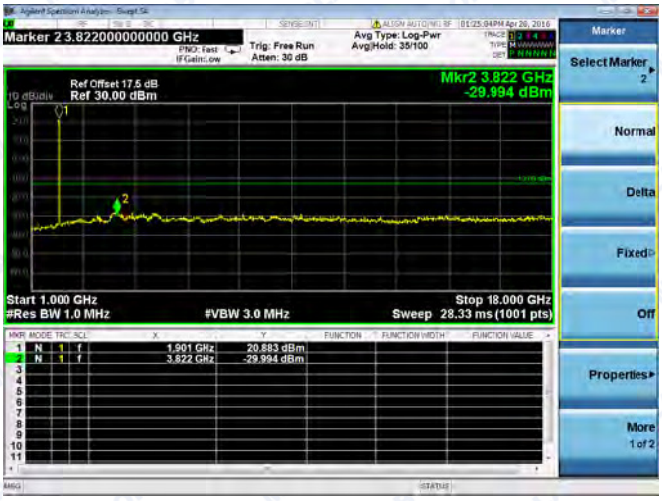
LTE Band 2 5MHz BW High Channel

QPSK



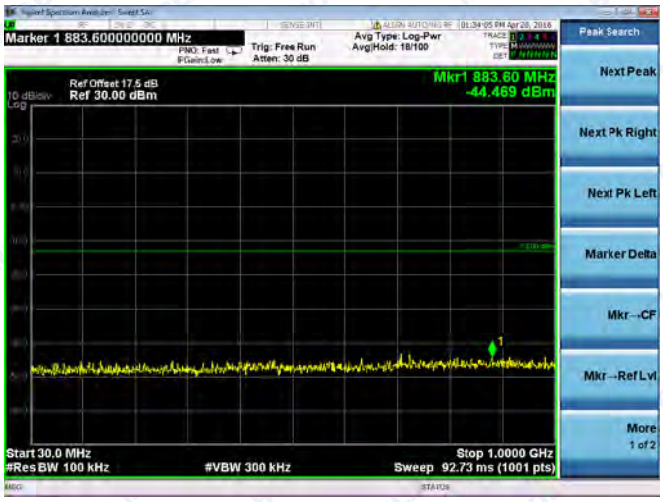
16QAM

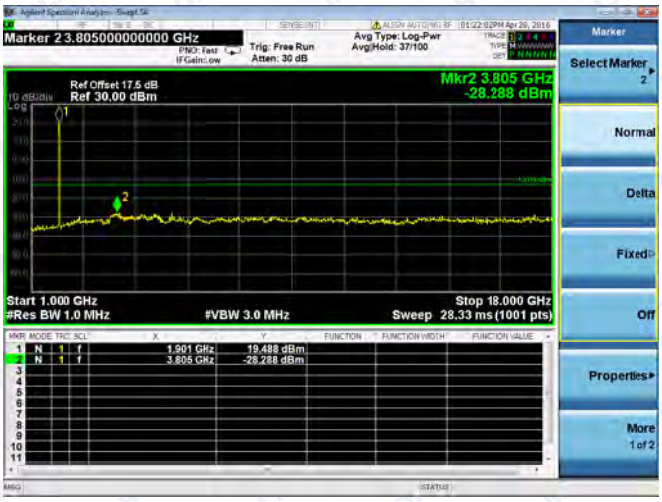




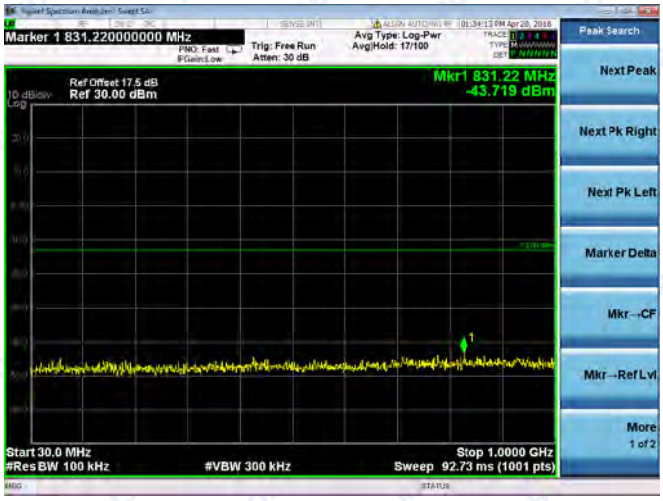
LTE Band 2 10MHz BW High Channel

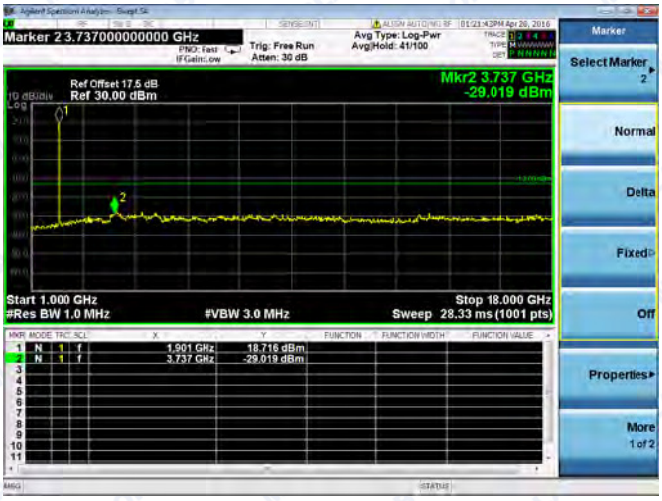
QPSK





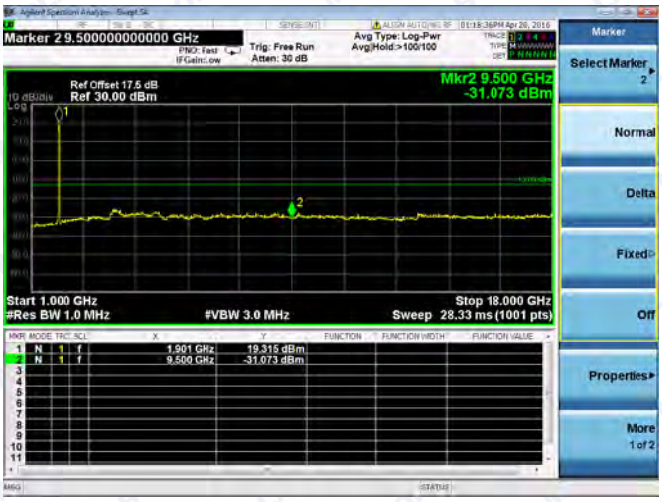
16QAM



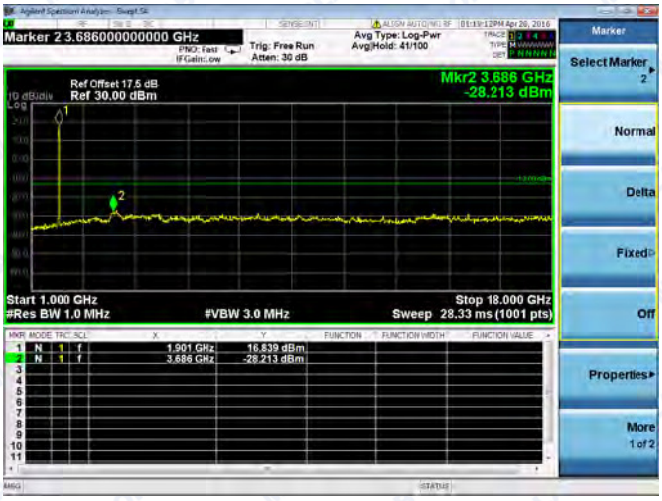


LTE Band 2 15MHz BW High Channel

QPSK

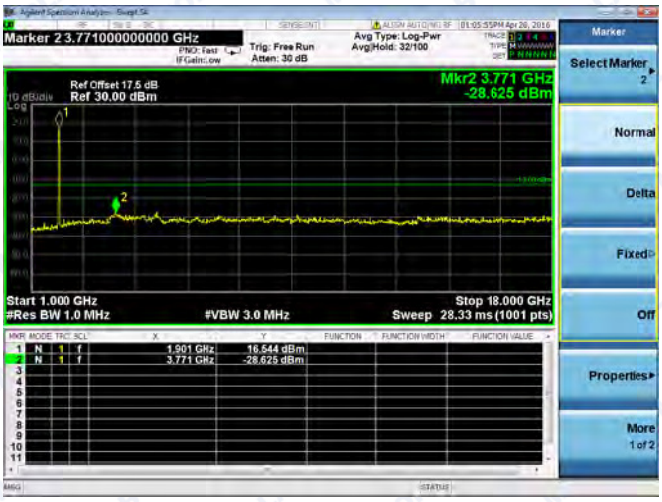


16QAM

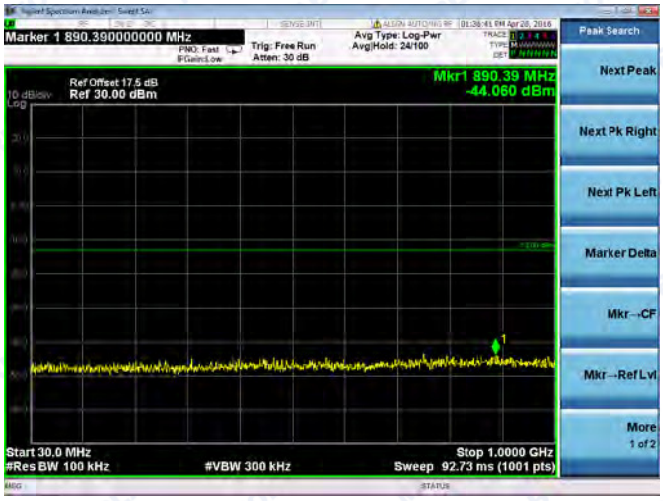


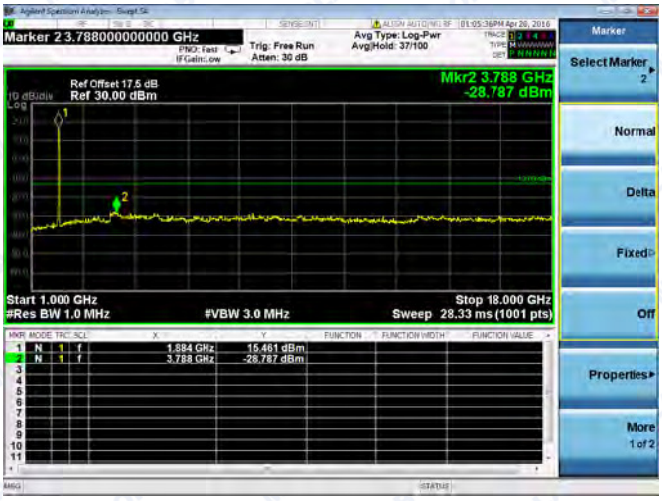
LTE Band 2 20MHz BW High Channel

QPSK



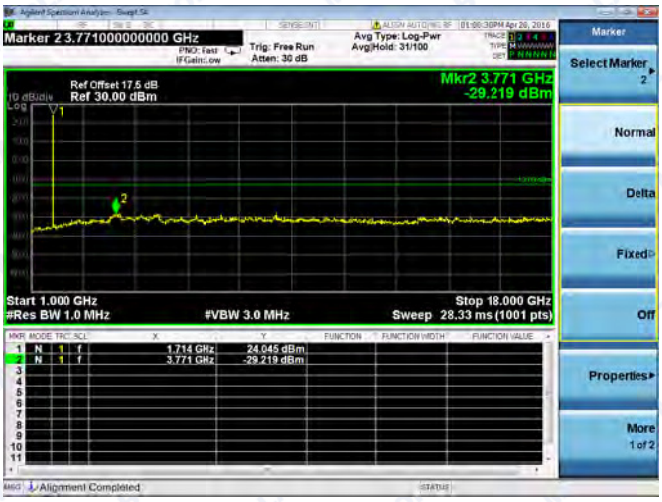
16QAM



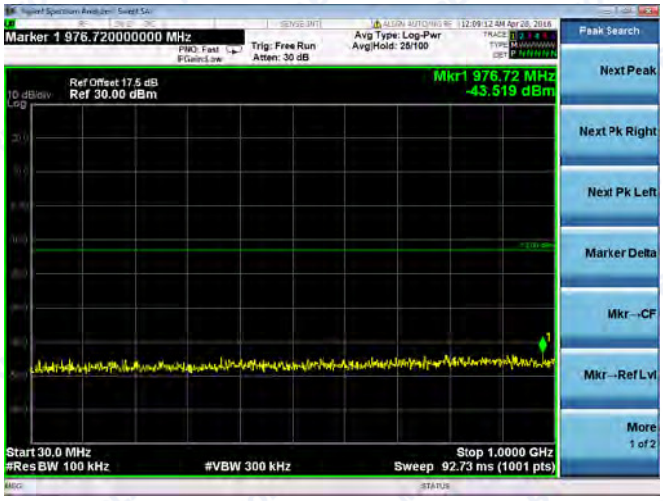


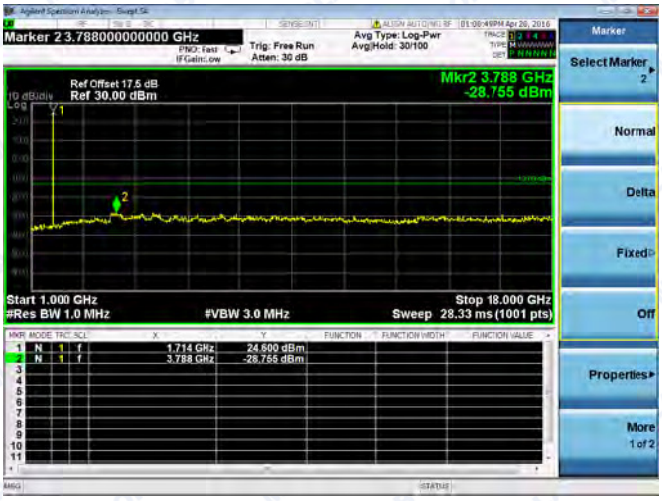
LTE Band 4 1.4MHz BW Low Channel

QPSK



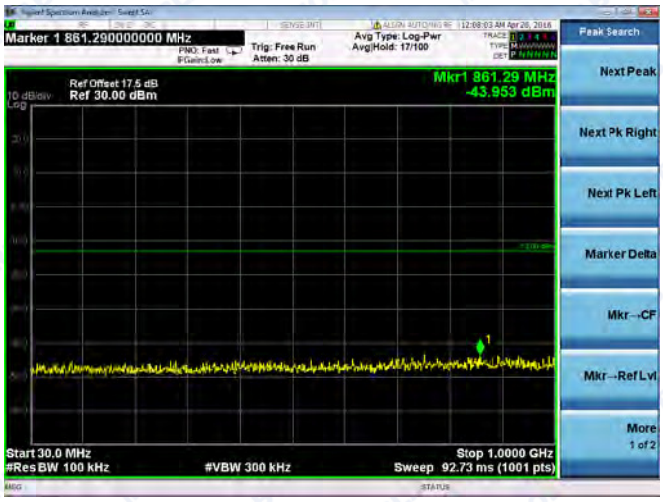
16QAM

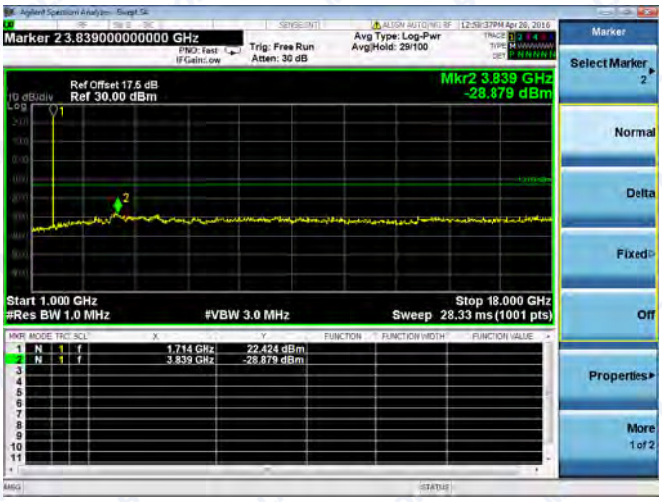




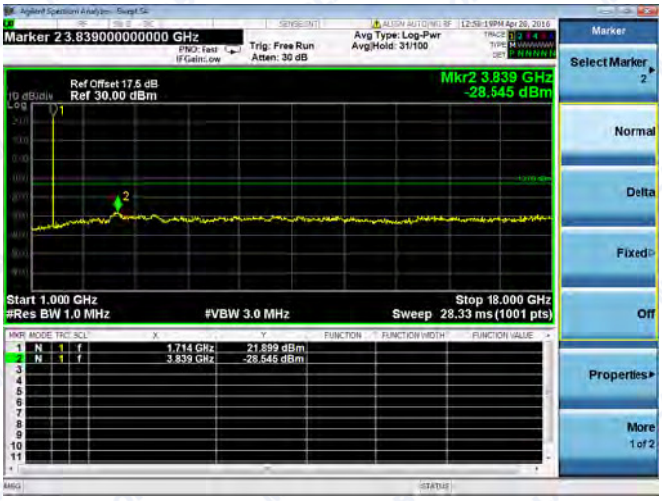
LTE Band 4 3MHz BW Low Channel

QPSK



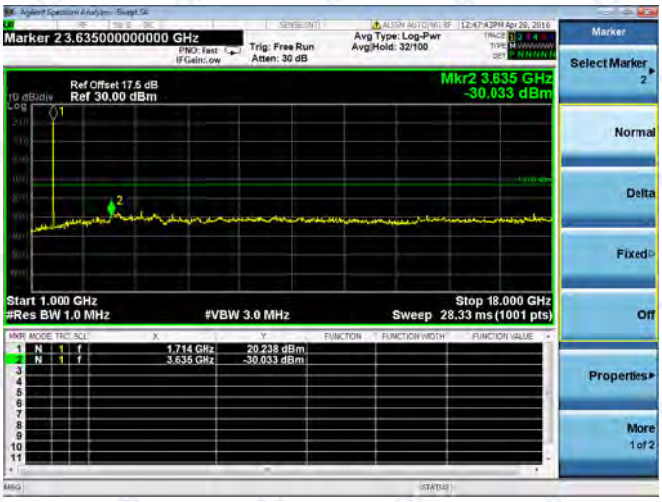


16QAM

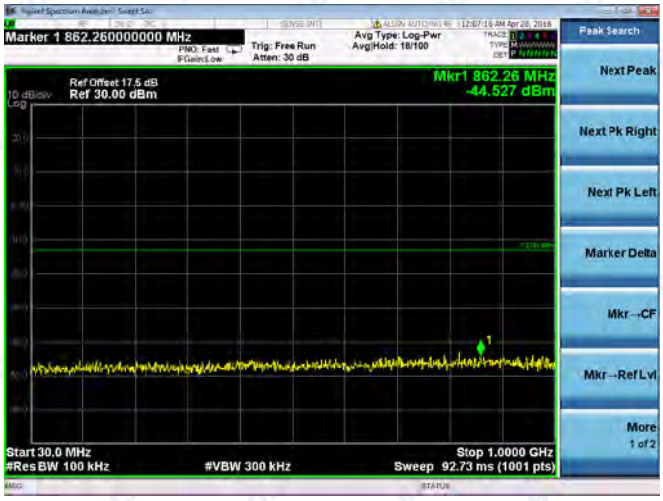


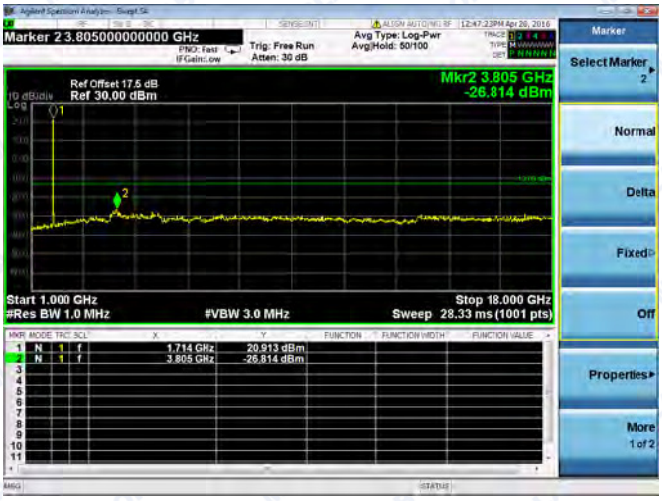
LTE Band 4 5MHz BW Low Channel

QPSK



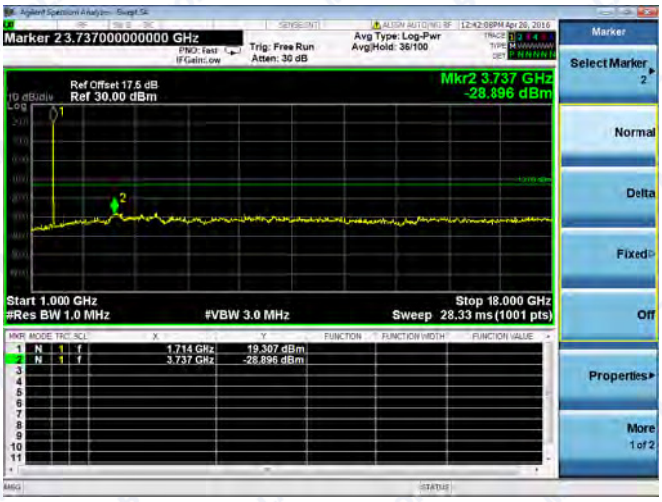
16QAM



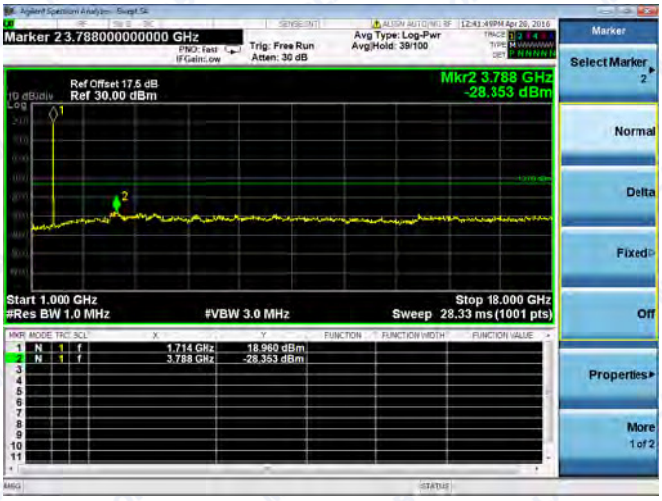


LTE Band 4 10MHz BW Low Channel

QPSK

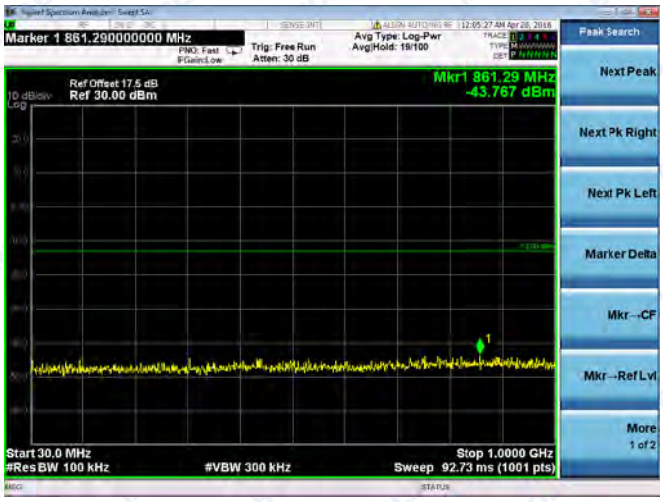


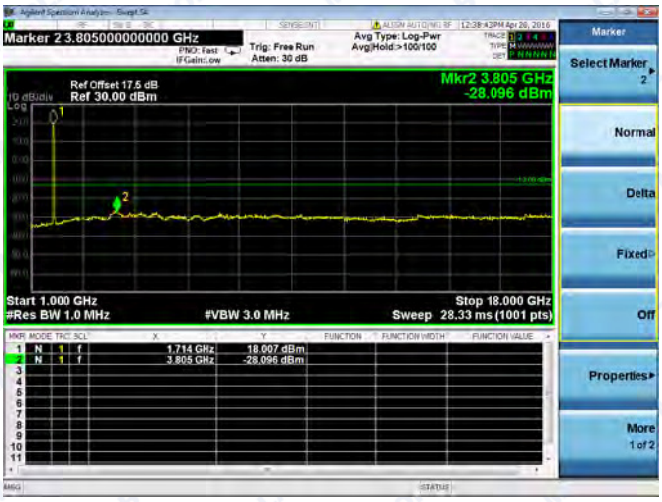
16QAM



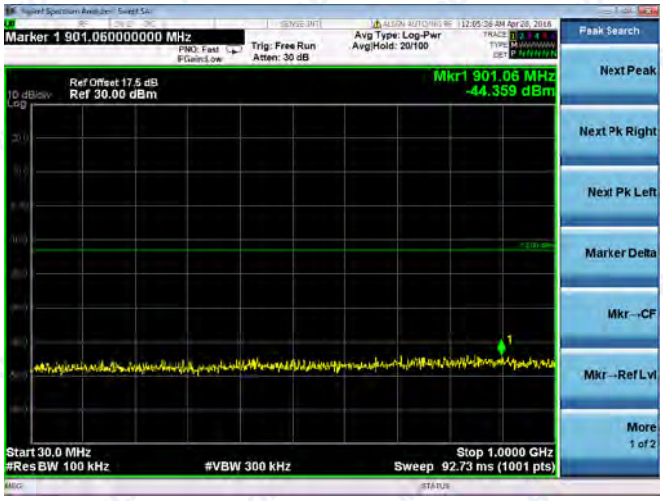
LTE Band 4 15MHz BW Low Channel

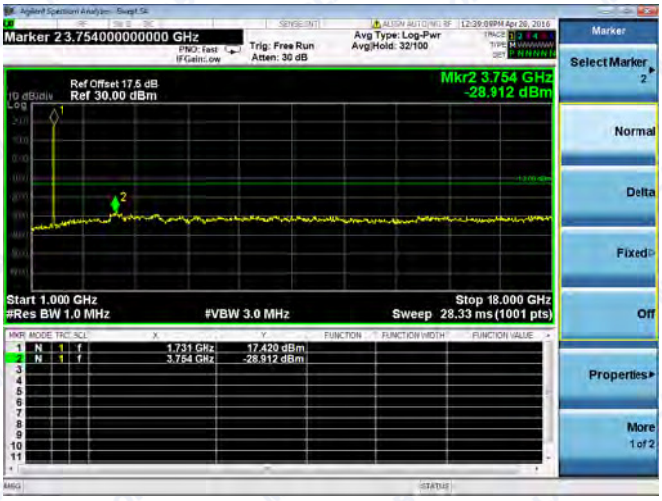
QPSK





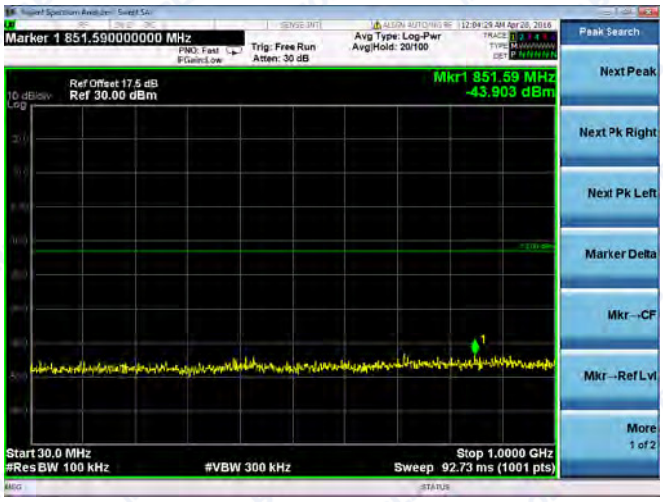
16QAM

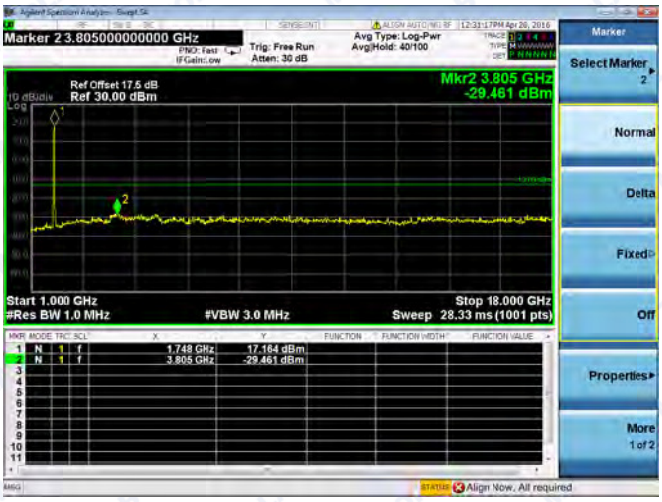




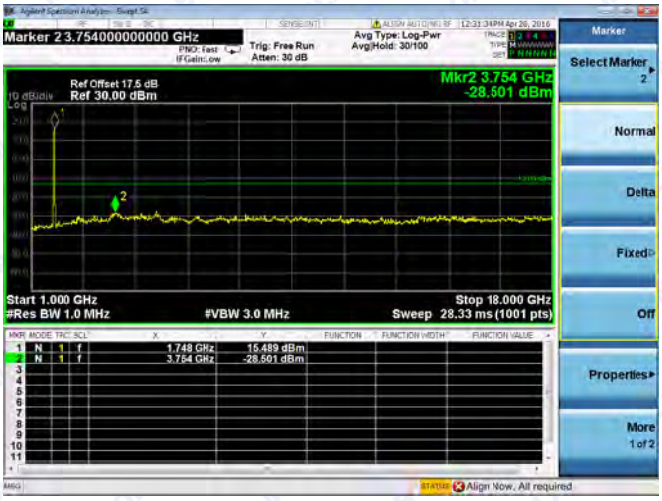
LTE Band 4 20MHz BW Low Channel

QPSK

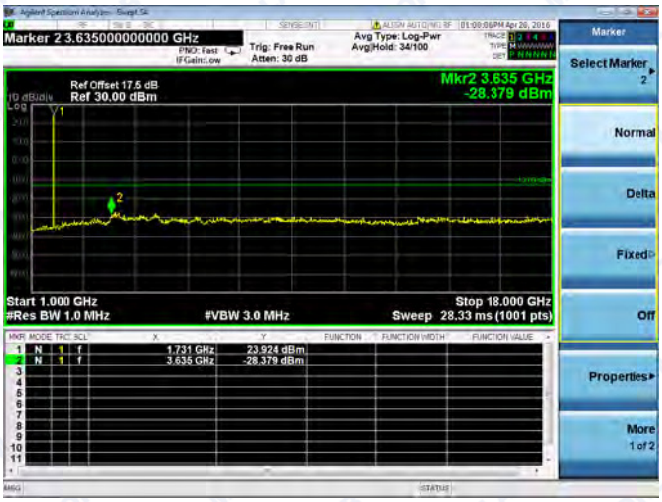
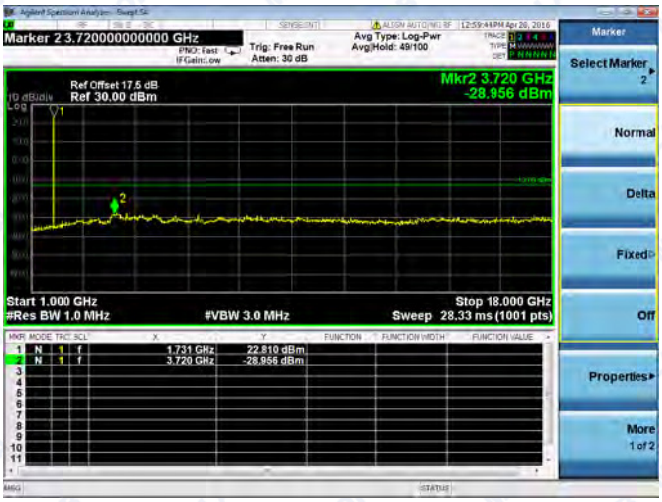




16QAM

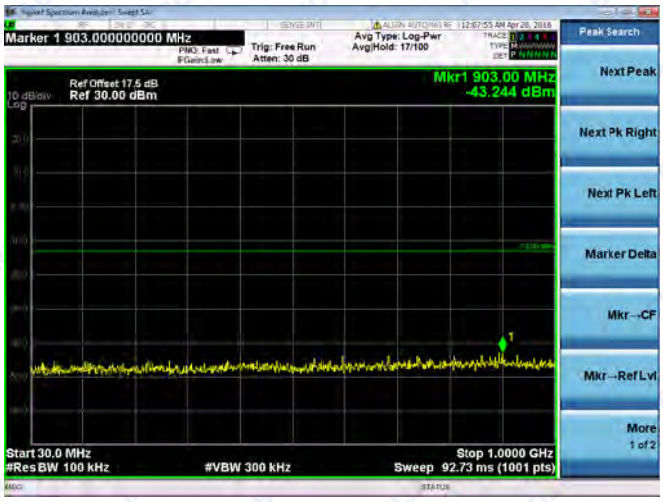


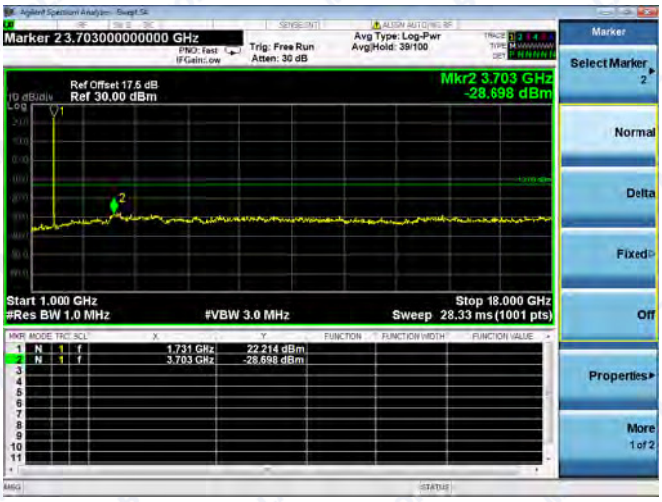
Middle channel:

LTE Band 4 1.4MHz BW Mid Channel	
QPSK	
	
16QAM	
	

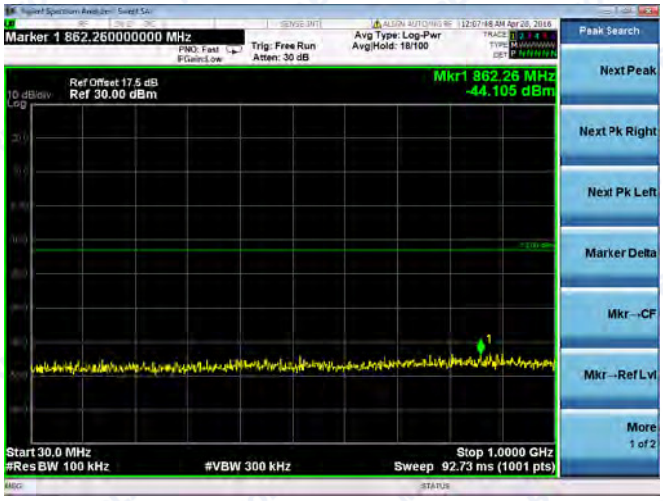
LTE Band 4 3MHz BW Mid Channel

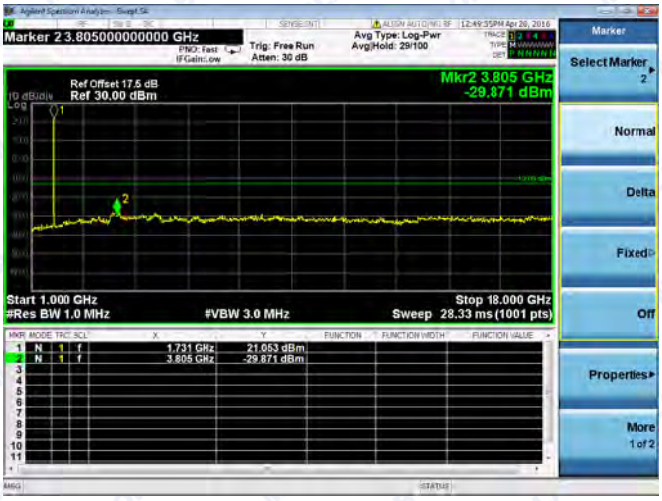
QPSK





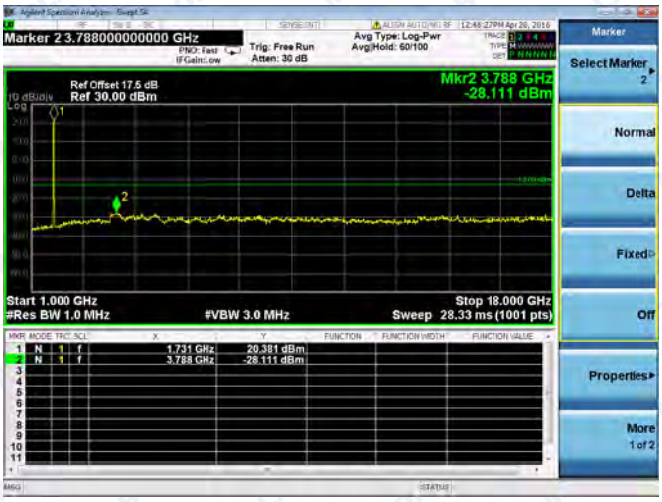
16QAM



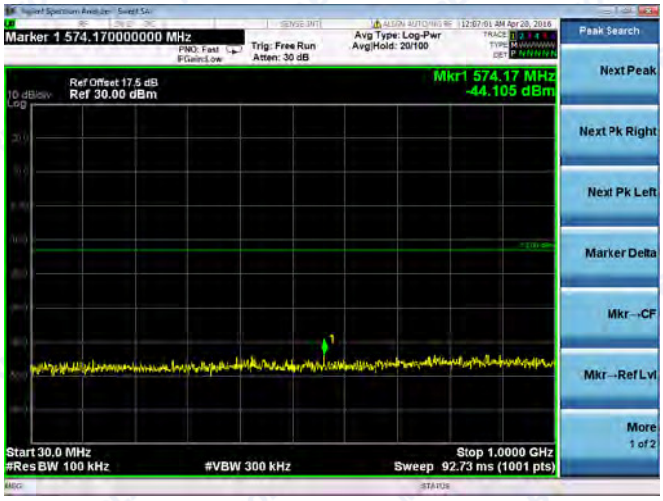


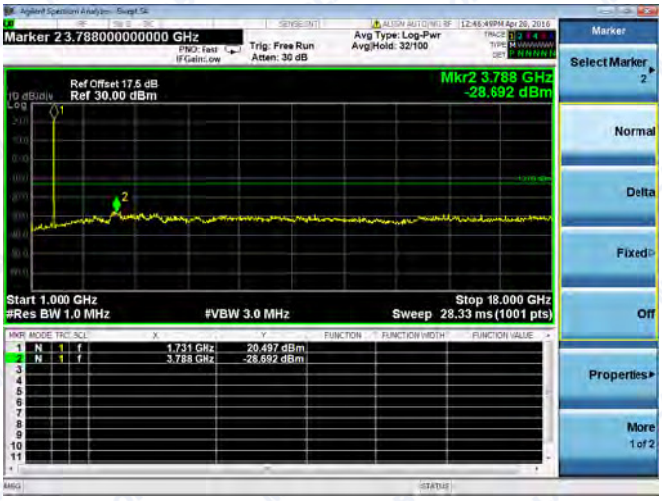
LTE Band 4 5MHz BW Mid Channel

QPSK



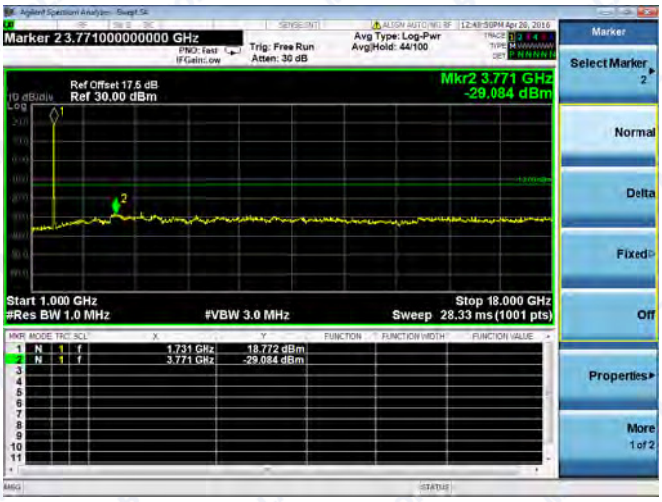
16QAM



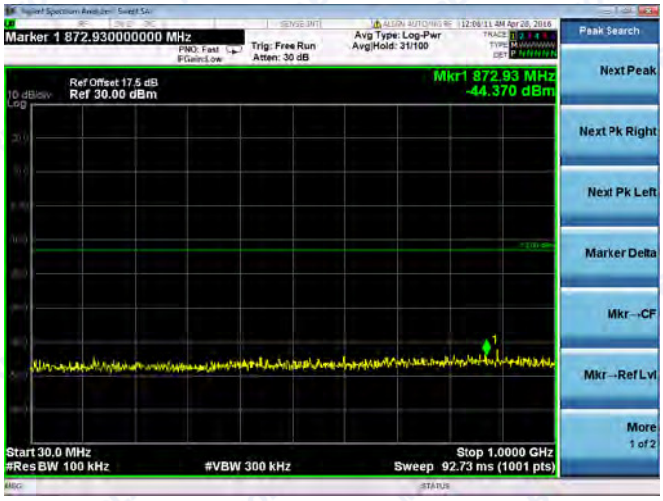


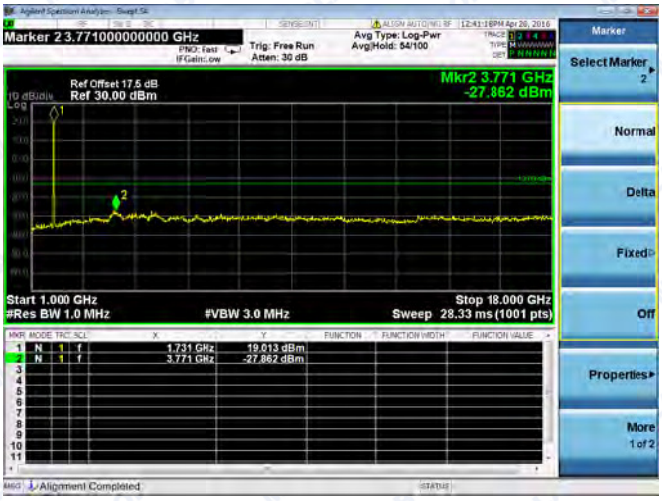
LTE Band 4 10MHz BW Mid Channel

QPSK



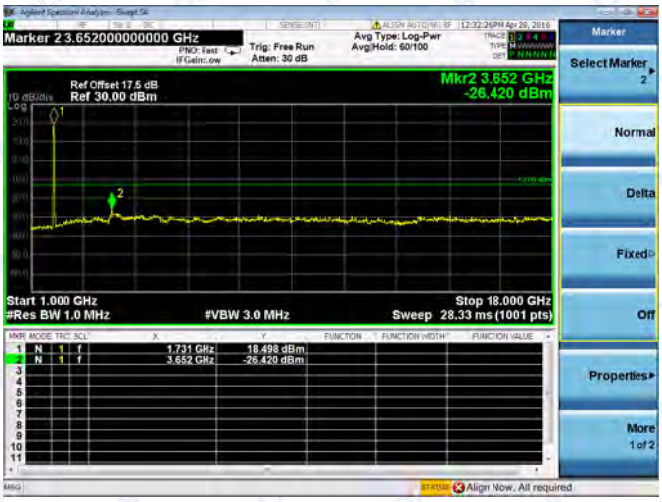
16QAM



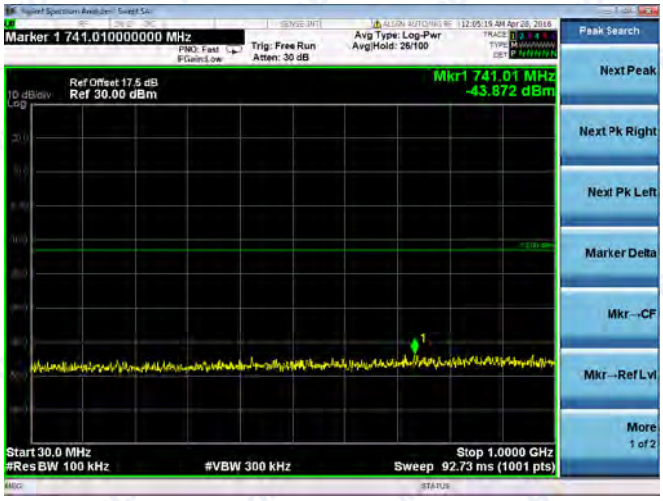


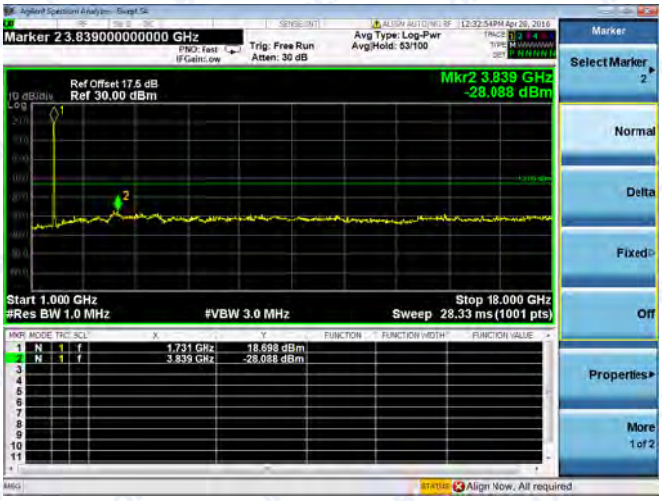
LTE Band 4 15MHz BW Mid Channel

QPSK



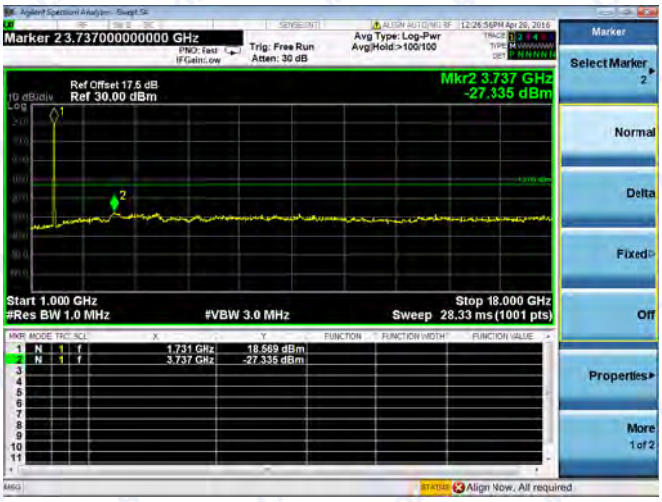
16QAM



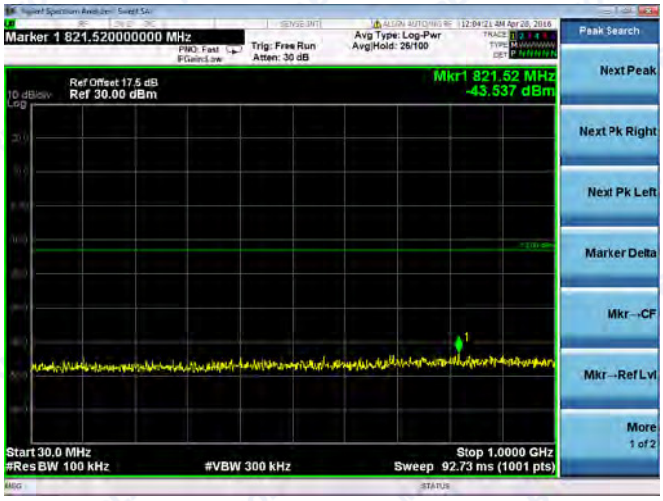


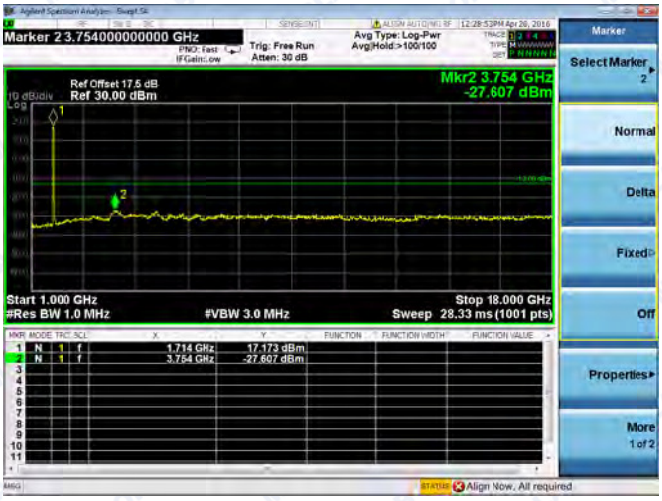
LTE Band 4 20MHz BW Mid Channel

QPSK



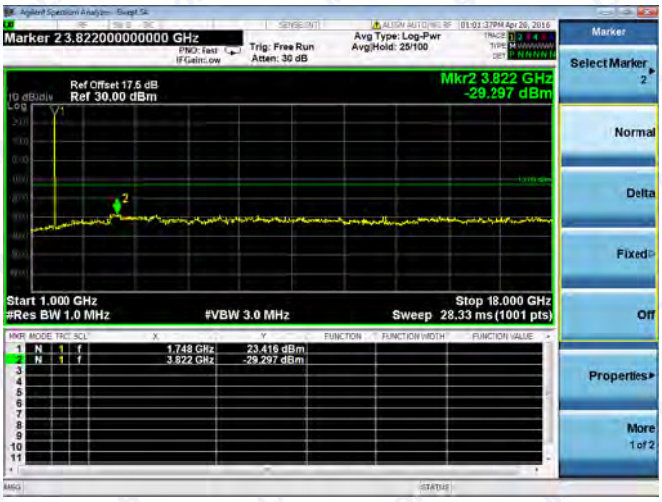
16QAM



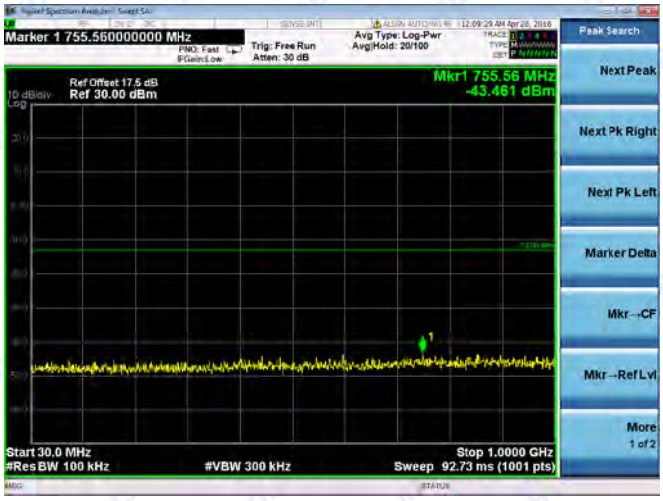


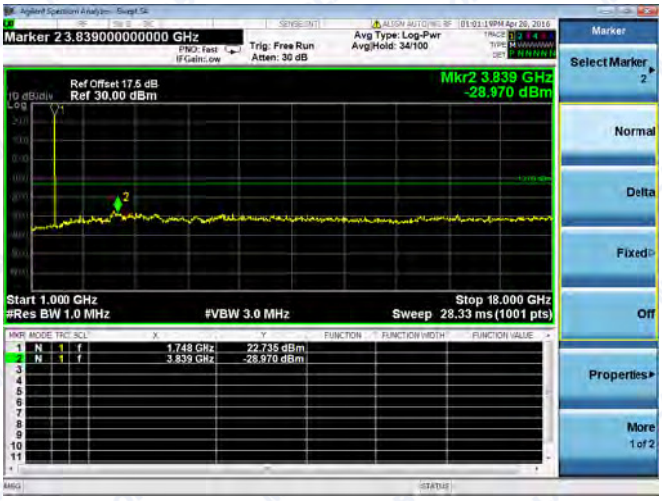
LTE Band 4 1.4MHz BW High Channel

QPSK



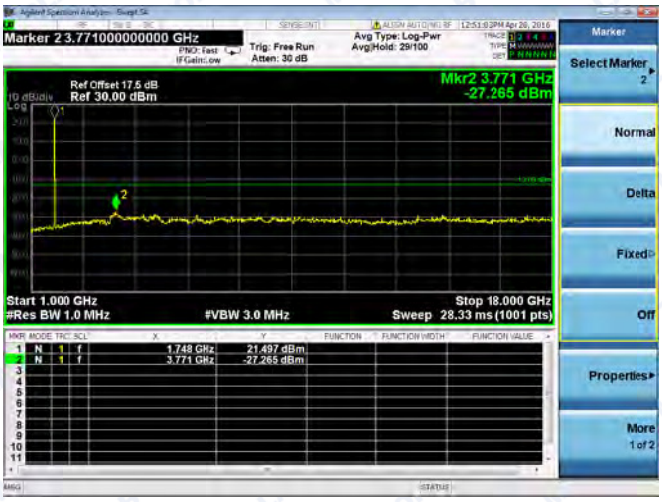
16QAM



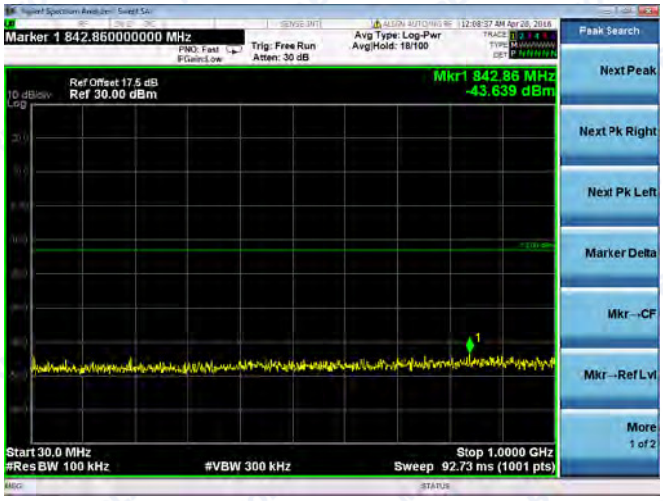


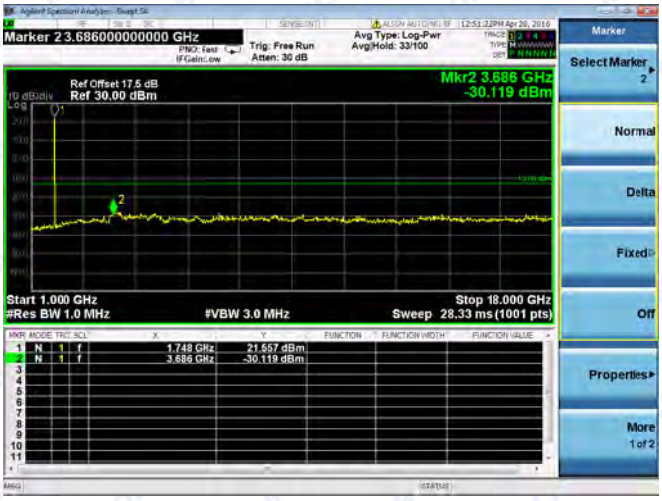
LTE Band 4 3MHz BW High Channel

QPSK



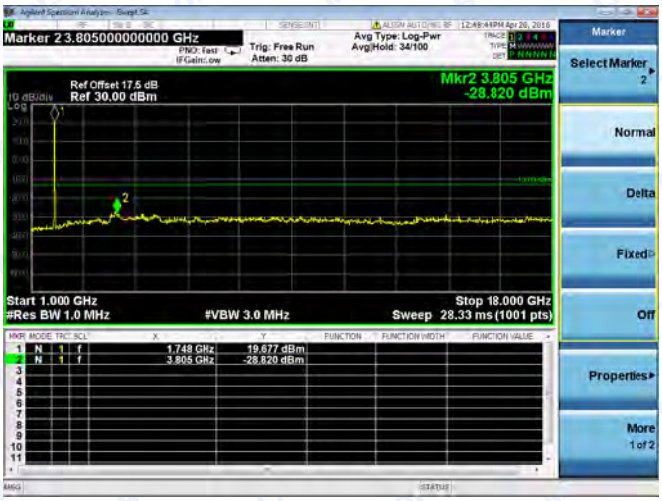
16QAM



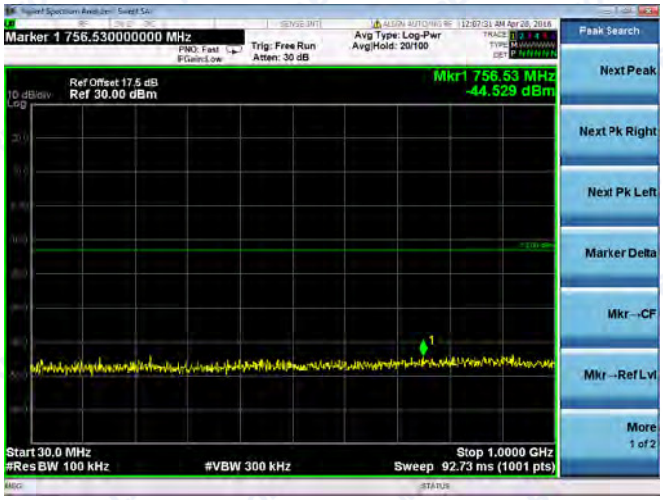


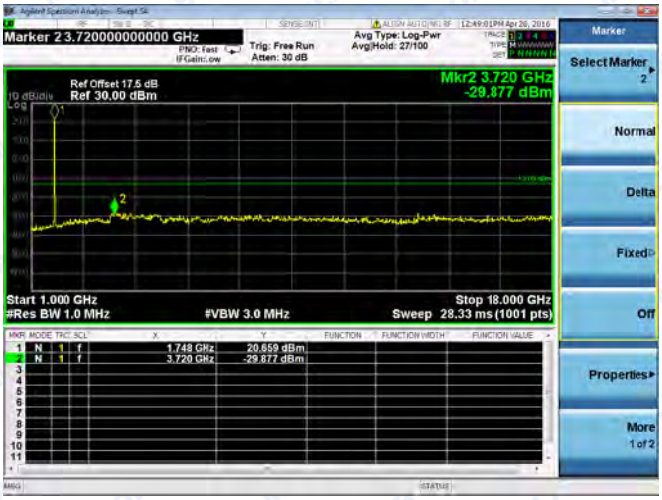
LTE Band 4 5MHz BW High Channel

QPSK



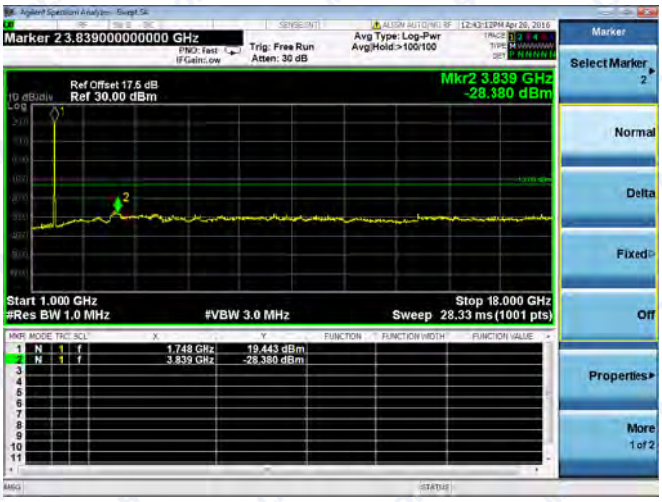
16QAM



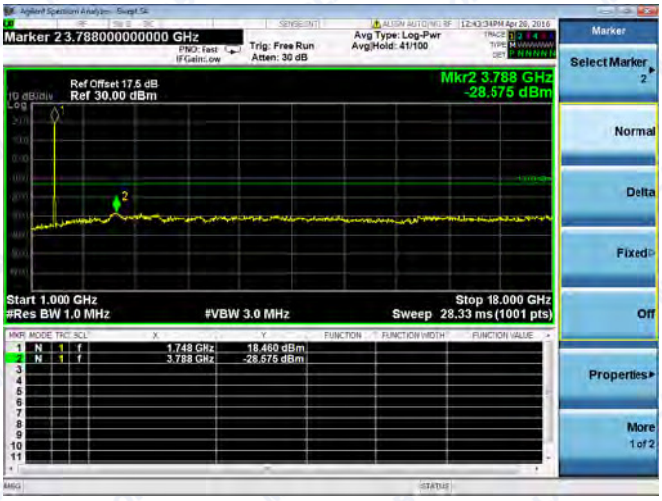


LTE Band 4 10MHz BW High Channel

QPSK

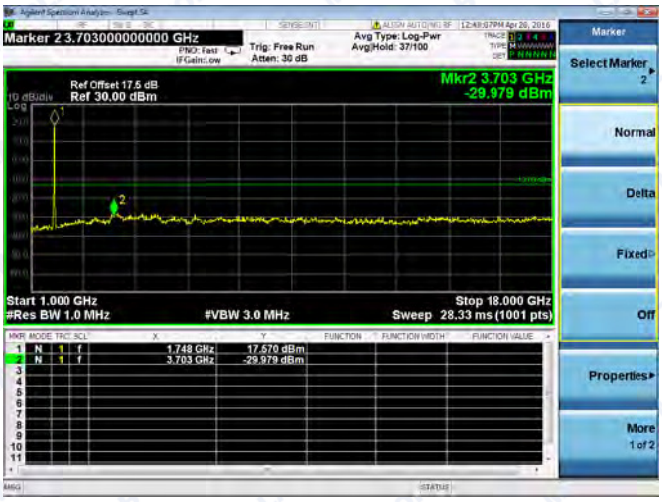


16QAM

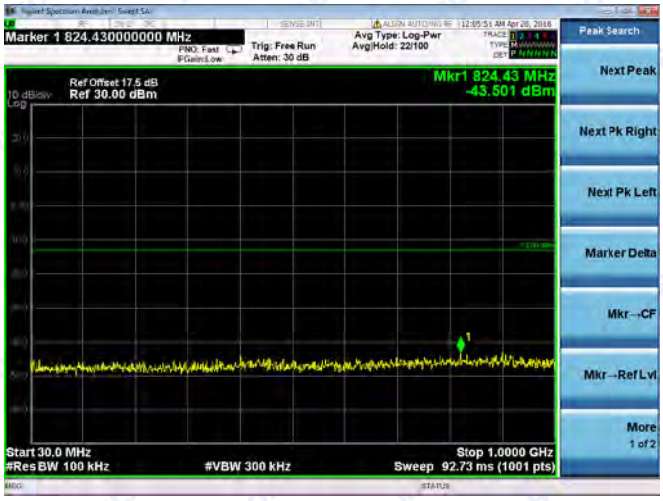


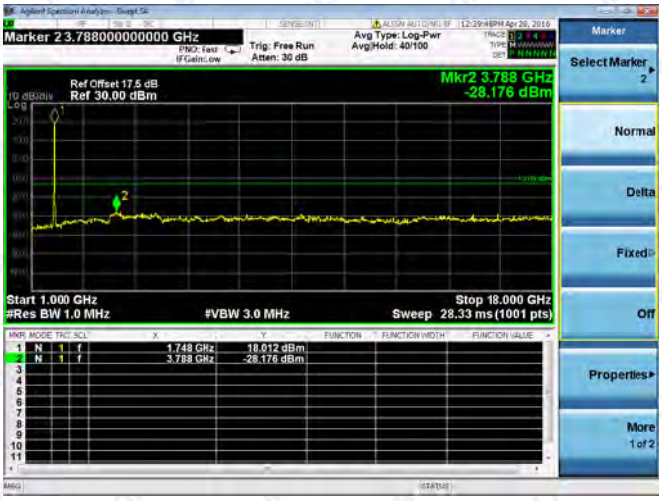
LTE Band 4 15MHz BW High Channel

QPSK



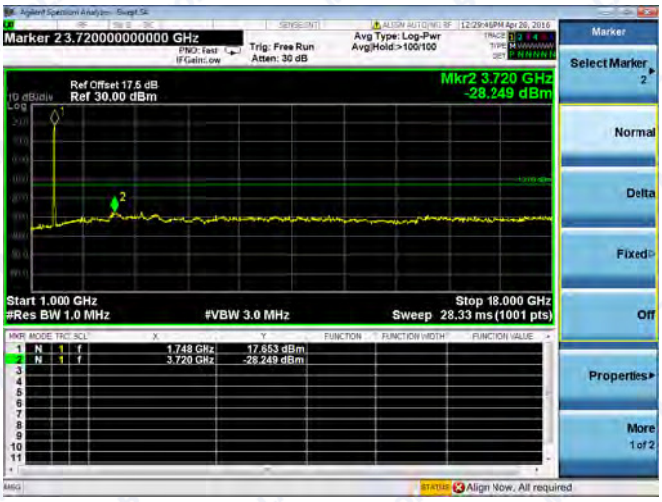
16QAM



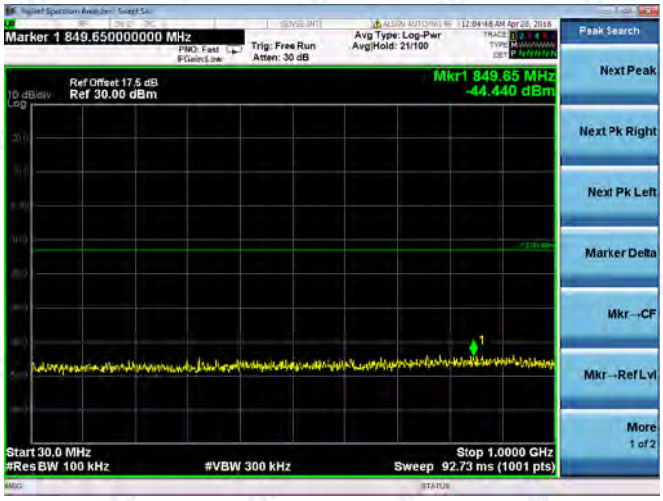


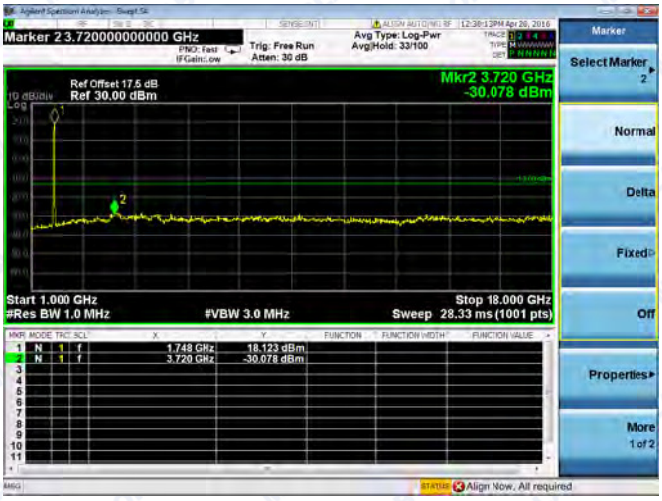
LTE Band 4 20MHz BW High Channel

QPSK



16QAM





LTE Band 5 1.4MHz BW Low Channel

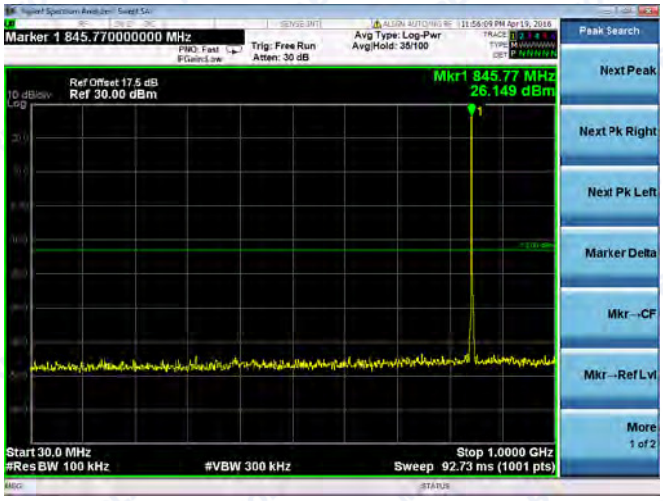
QPSK

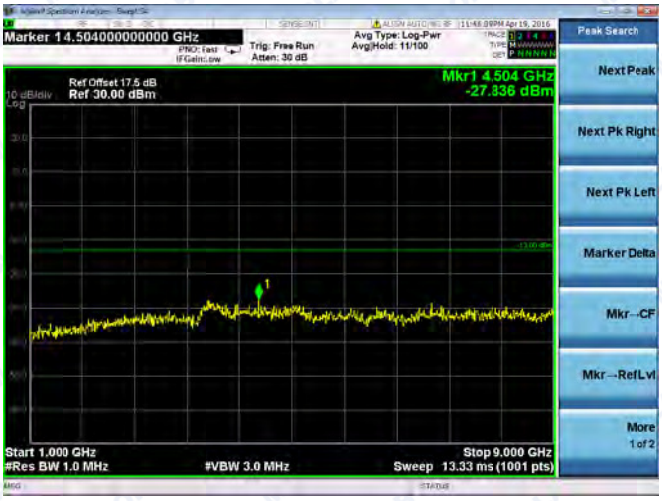
16QAM

LTE Band 5 3MHz BW Low Channel

QPSK

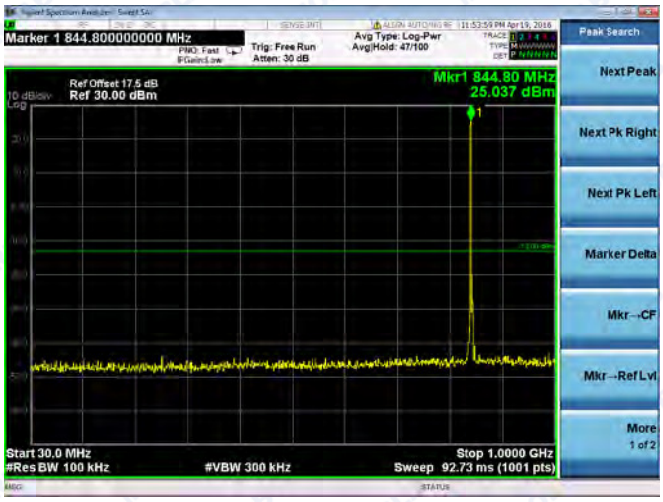
16QAM



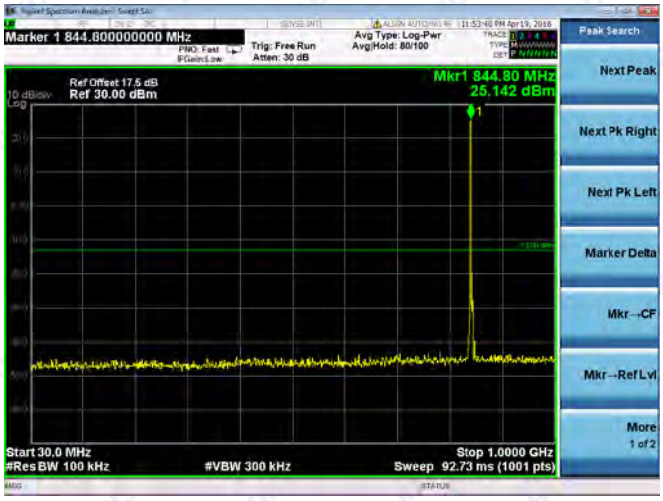


LTE Band 5 5MHz BW Low Channel

QPSK



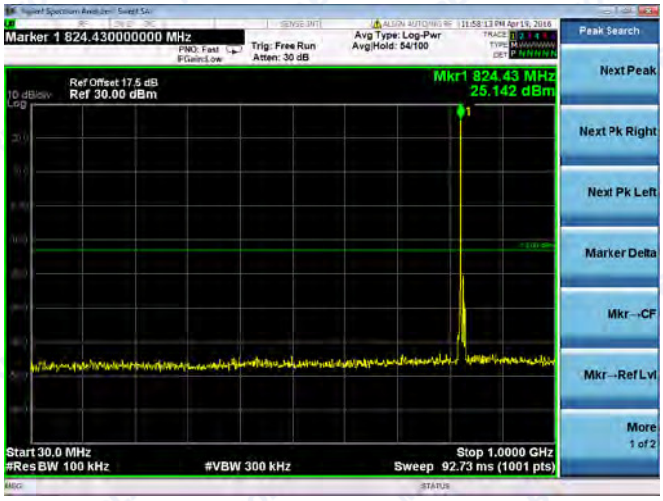
16QAM



LTE Band 5 10MHz BW Low Channel

QPSK

16QAM



Middle channel:

LTE Band 5 1.4MHz BW Mid Channel	
QPSK	
16QAM	