3.4 Band Edge

3.4.1 Limit of Band Edge

The power of any emission outside of the authorized operating frequencyranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB equal to -13dBm.

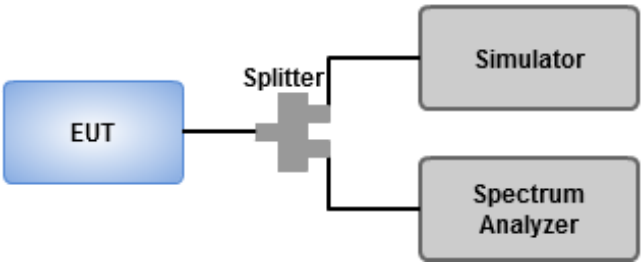
3.4.2 Test Procedures

1 Lowest and highest operating channels are tested for this item.

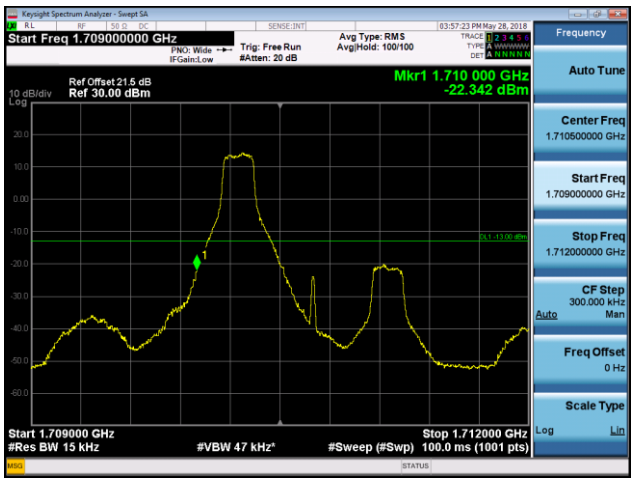
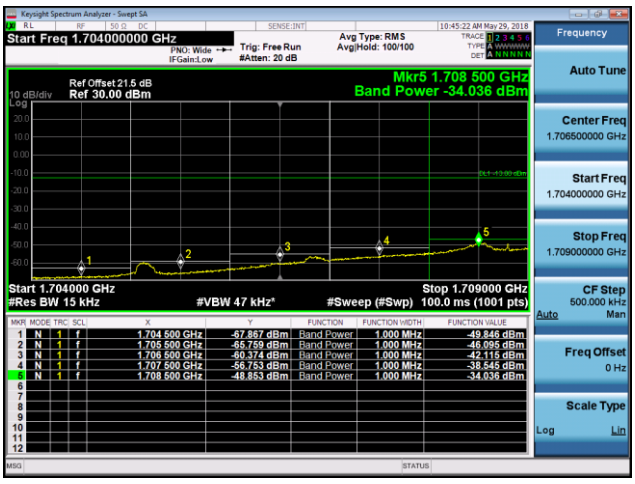
2 Set RBW = 15 / 39 / 56 / 110 / 160 / 220 kHz, VBW = 47 / 120 / 180 / 330 / 510 / 680 kHz for LTE channel bandwidth 1.4 / 3 / 5 / 10 / 15 / 20 MHz, detector = RMS, sweep time = auto to measure trace.

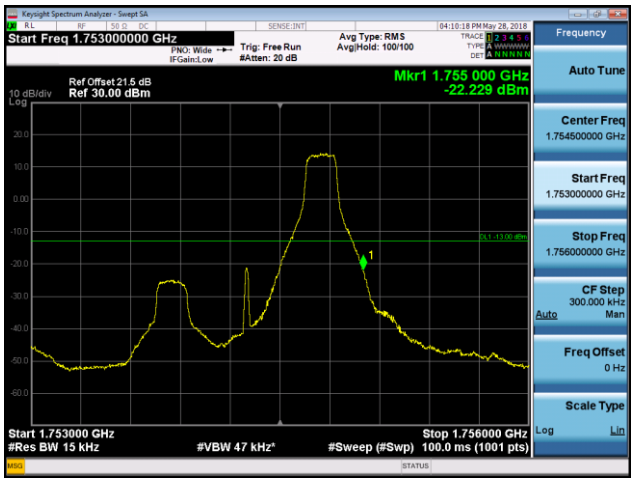
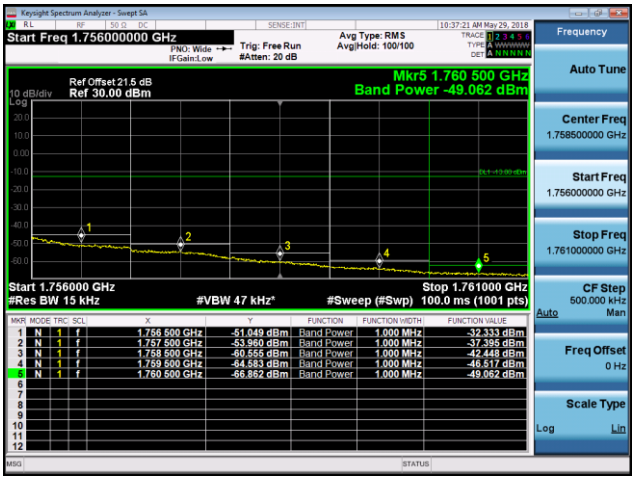
3 Set RBW = 15 / 39 / 56 / 110 / 160 / 220 kHz, VBW = 47 / 120 / 180 / 330 / 510 / 680 kHz for LTE channel bandwidth 1.4 / 3 / 5 / 10 / 15 / 20 MHz, detector = RMS and use channel power measurement function of spectrum analyze to integrate power over 1MHz.

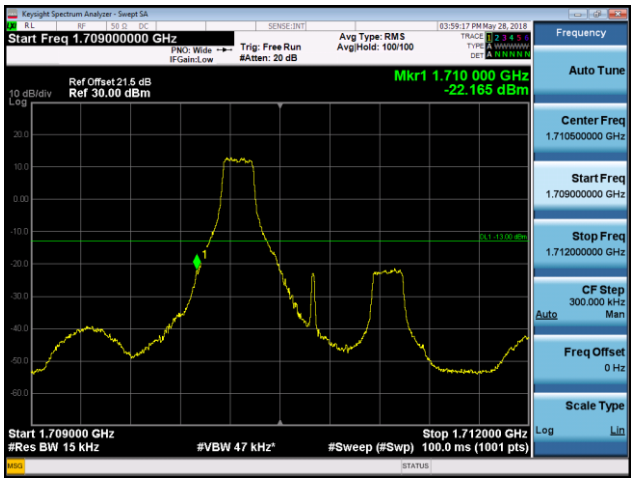
3.4.3 Test Setup

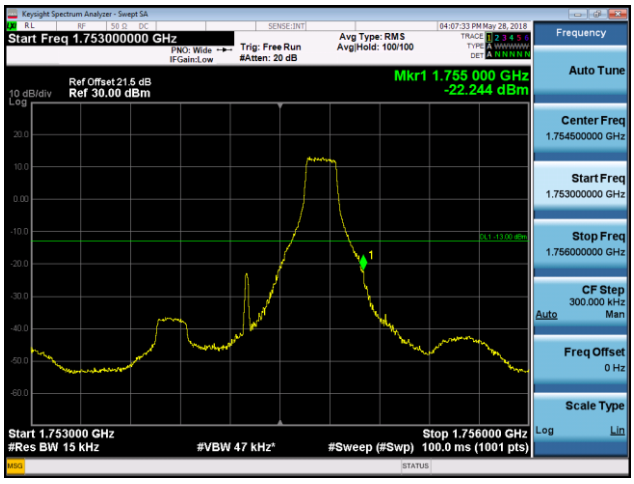
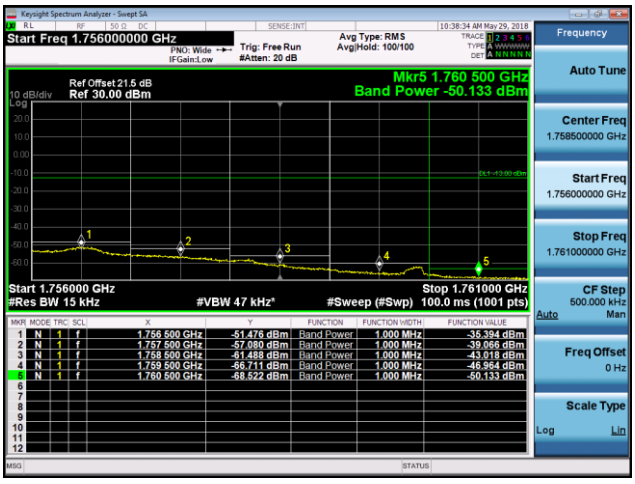
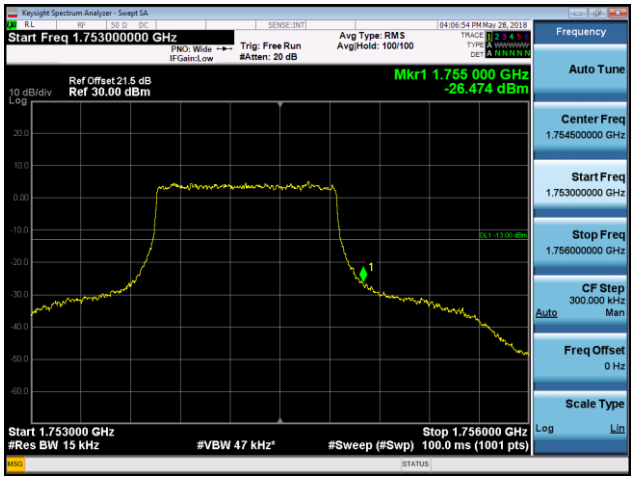
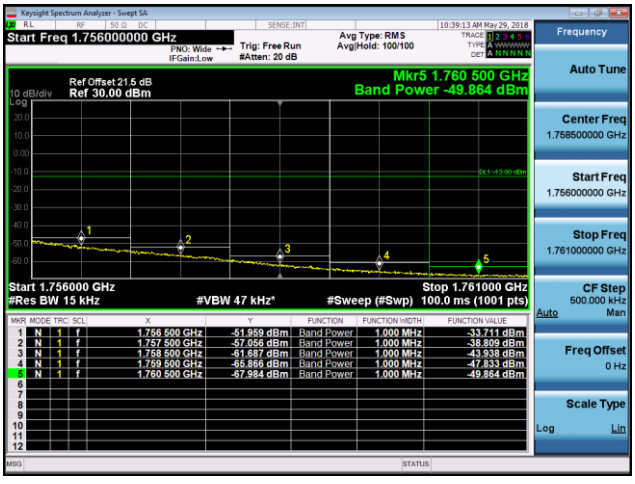


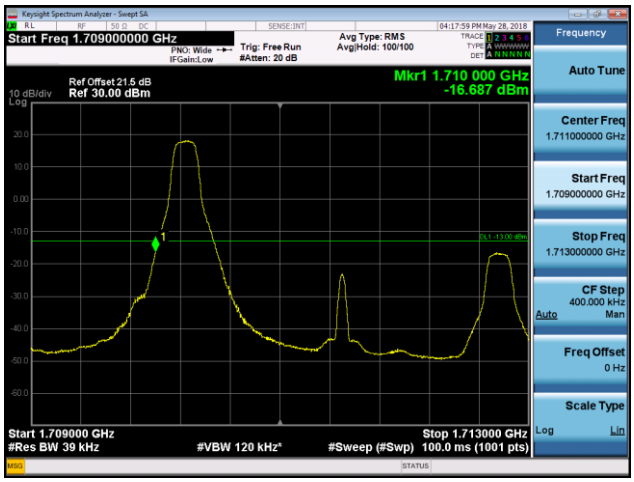
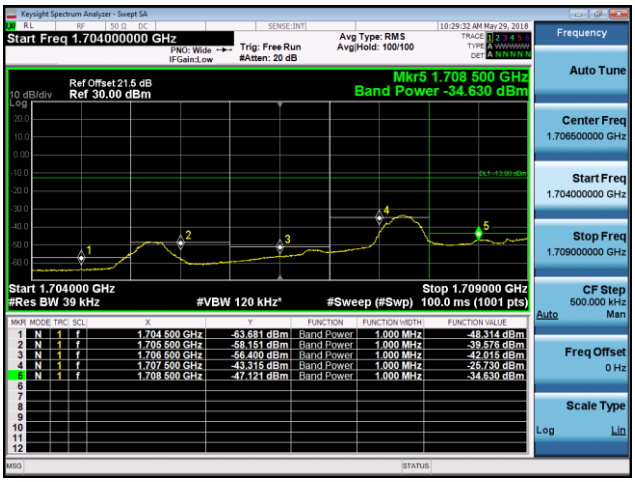
3.4.4 Test Result of Band Edge

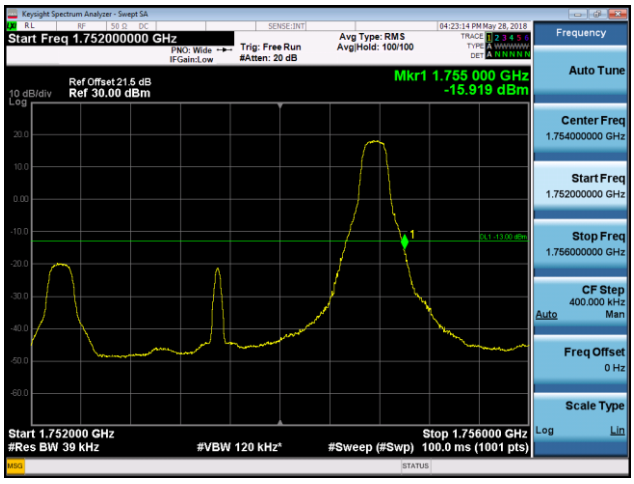
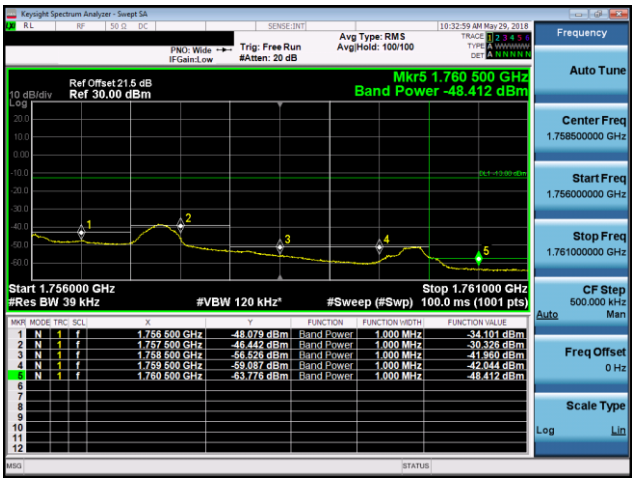
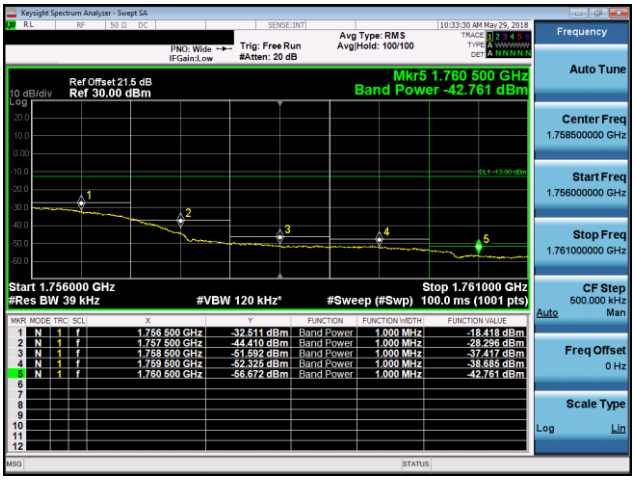
Mode	LTE Band 4, CB: 1.4MHz, QPSK				
Channel	19957	1 RB lower / Offset 0	Channel	19957	1 RB lower / Offset 0
					
Channel	19957	100% RB / Offset 0	Channel	19957	100% RB / Offset 0

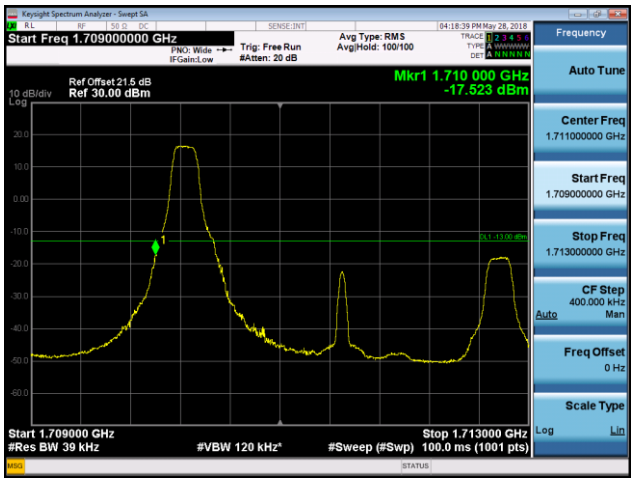
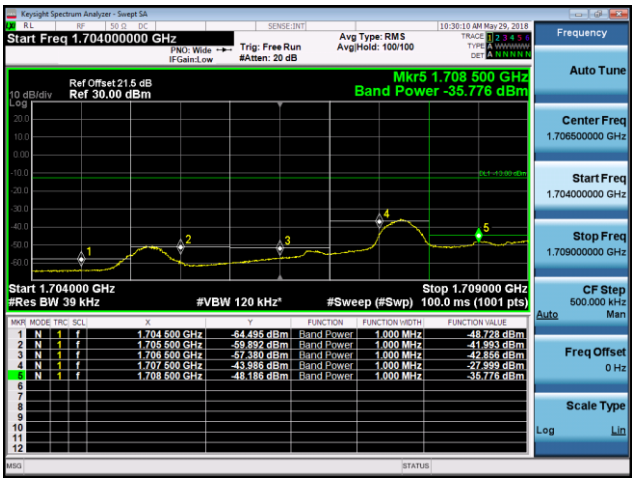
Mode	LTE Band 4, CB: 1.4MHz, QPSK				
Channel	20393	1 RB upper / Offset 0	**Channel**	20393	1 RB upper / Offset 0
					
Channel	20393	100% RB / Offset 0	**Channel**	20393	100% RB / Offset 0
					

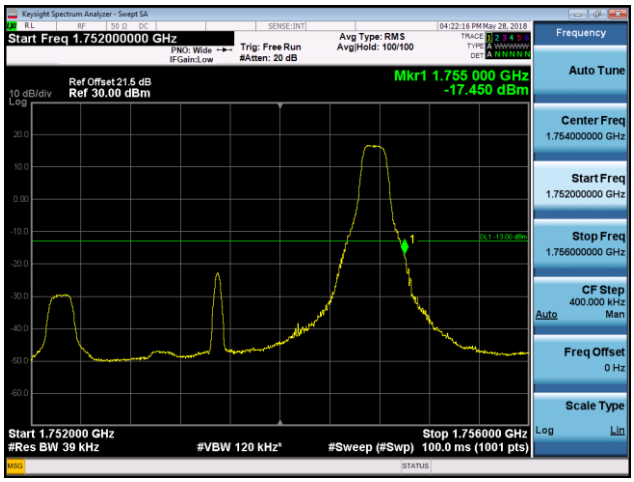
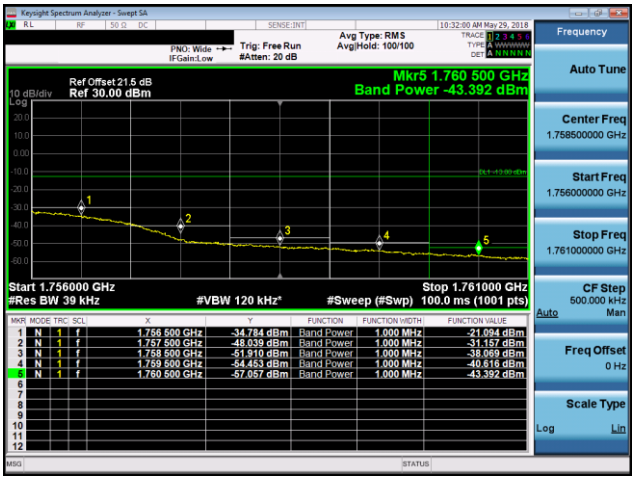
Mode	LTE Band 4, CB: 1.4MHz, 16QAM				
Channel	19957	1 RB lower / Offset 0	**Channel**	19957	1 RB lower / Offset 0
					
Channel	19957	100% RB / Offset 0	**Channel**	19957	100% RB / Offset 0

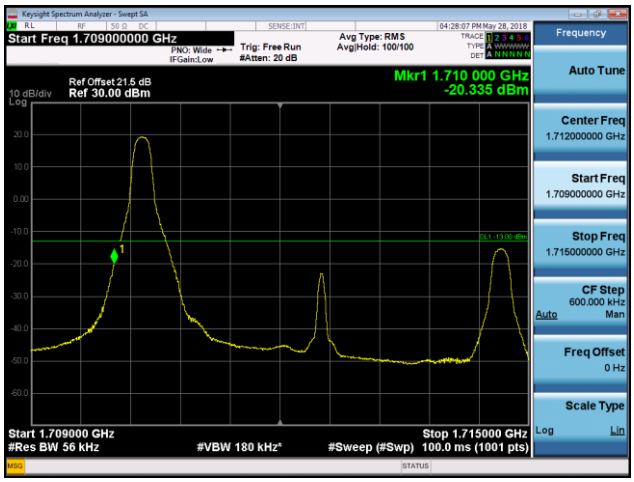
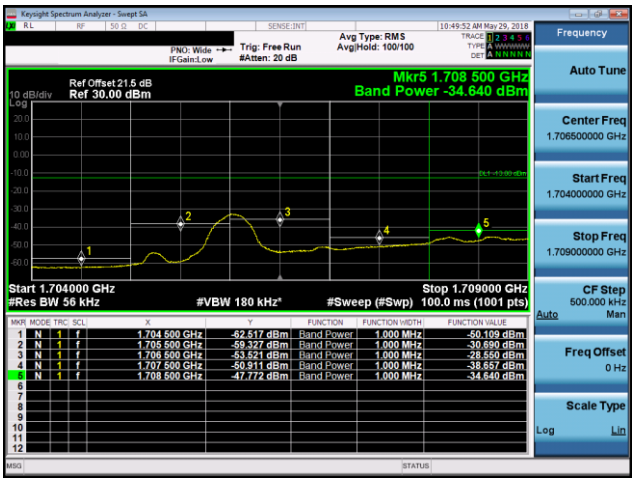
Mode	LTE Band 4, CB: 1.4MHz, 16QAM				
Channel	20393	1 RB upper / Offset 0	**Channel**	20393	1 RB upper / Offset 0
					
Channel	20393	100% RB / Offset 0	**Channel**	20393	100% RB / Offset 0
					

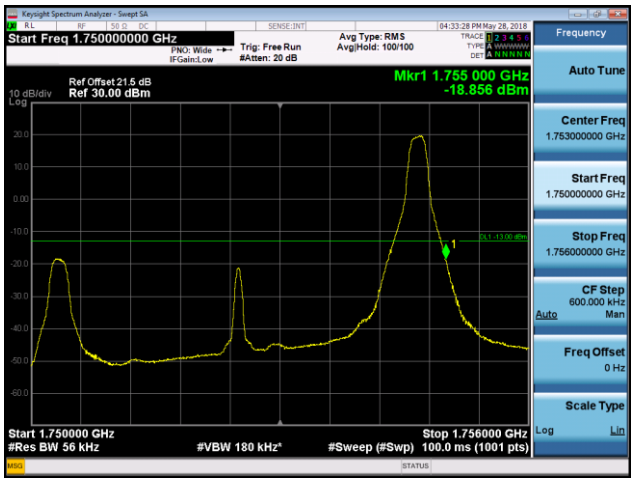
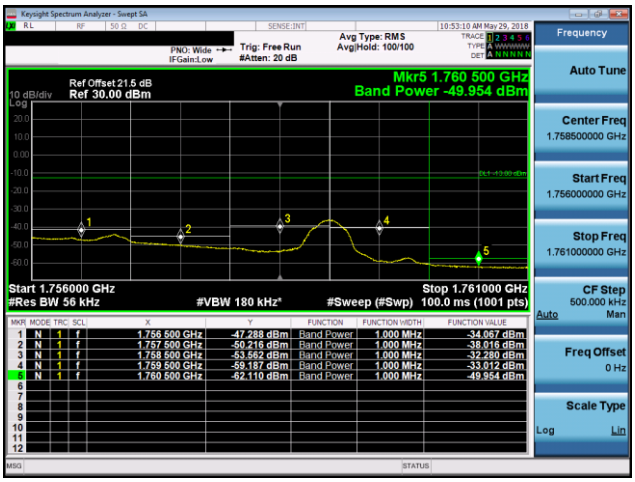
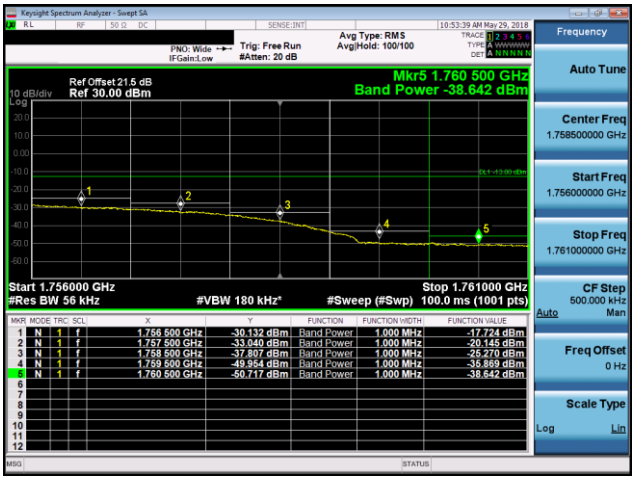
Mode	LTE Band 4, CB: 3MHz, QPSK				
Channel	19965	1 RB lower / Offset 0	**Channel**	19965	1 RB lower / Offset 0
					
Channel	19965	100% RB / Offset 0	**Channel**	19965	100% RB / Offset 0

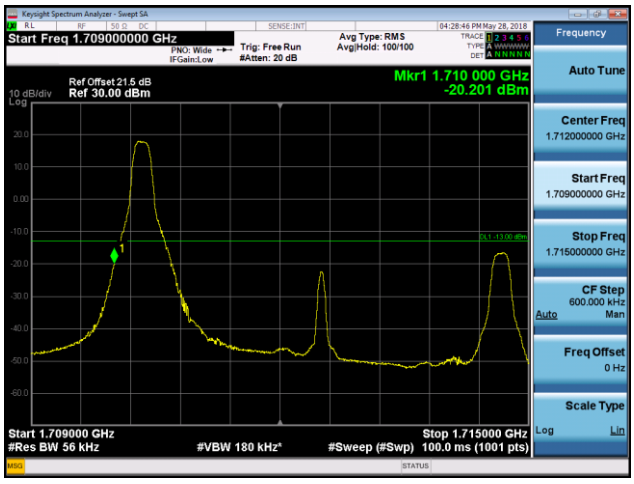
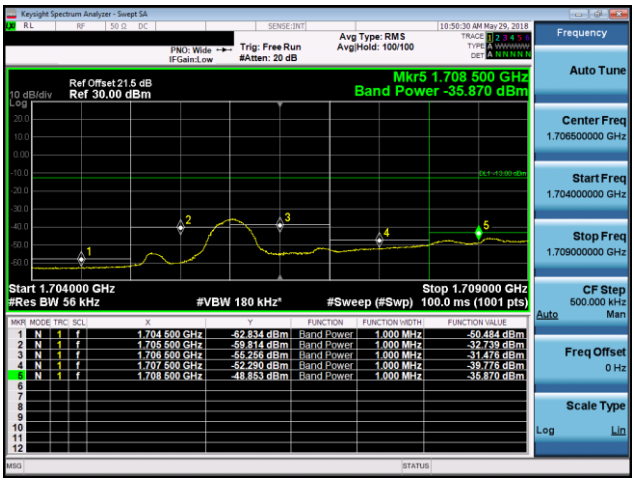
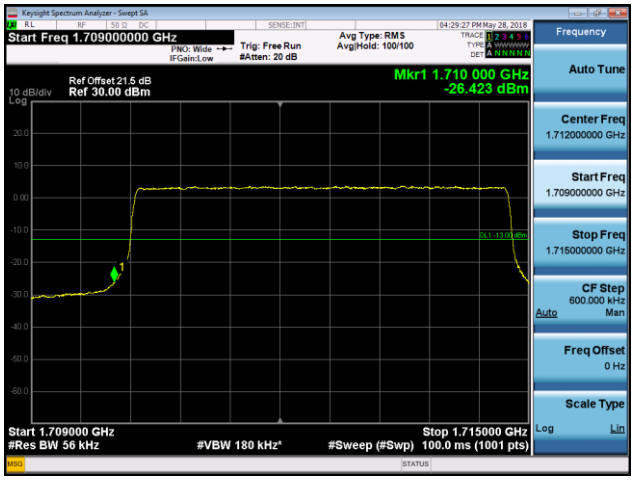
Mode	LTE Band 4, CB: 3MHz, QPSK				
Channel	20385	1 RB upper / Offset 0	**Channel**	20385	1 RB upper / Offset 0
					
Channel	20385	100% RB / Offset 0	**Channel**	20385	100% RB / Offset 0
					

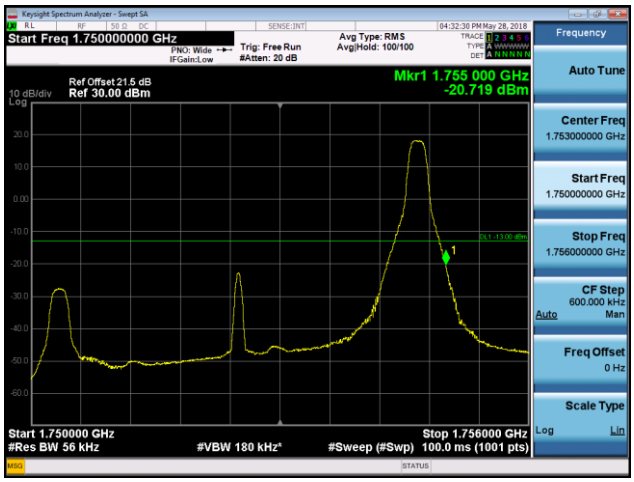
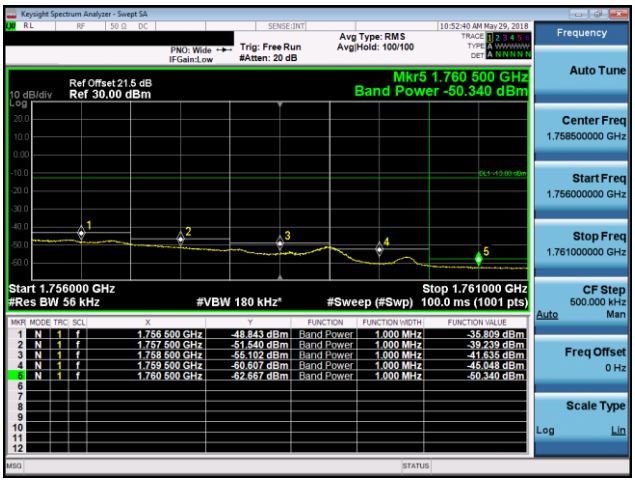
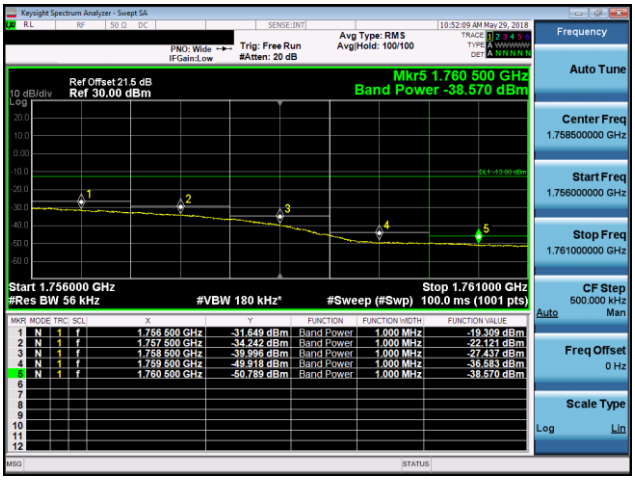
Mode	LTE Band 4, CB: 3MHz, 16QAM				
Channel	19965	1 RB lower / Offset 0	Channel	19965	1 RB lower / Offset 0
					
Channel	19965	100% RB / Offset 0	Channel	19965	100% RB / Offset 0

Mode	LTE Band 4, CB: 3MHz, 16QAM				
Channel	20385	1 RB upper / Offset 0	Channel	20385	1 RB upper / Offset 0
					
Channel	20385	100% RB / Offset 0	Channel	20385	100% RB / Offset 0
					

Mode	LTE Band 4, CB: 5MHz, QPSK				
Channel	19975	1 RB lower / Offset 0	Channel	19975	1 RB lower / Offset 0
					
Channel	19975	100% RB / Offset 0	Channel	19975	100% RB / Offset 0

Mode	LTE Band 4, CB: 5MHz, QPSK				
Channel	20375	1 RB upper / Offset 0	Channel	20375	1 RB upper / Offset 0
					
Channel	20375	100% RB / Offset 0	Channel	20375	100% RB / Offset 0
					

Mode	LTE Band 4, CB: 5MHz, 16QAM				
Channel	19975	1 RB lower / Offset 0	**Channel**	19975	1 RB lower / Offset 0
					
Channel	19975	100% RB / Offset 0	**Channel**	19975	100% RB / Offset 0
					

Mode	LTE Band 4, CB: 5MHz, 16QAM				
Channel	20375	1 RB upper / Offset 0	**Channel**	20375	1 RB upper / Offset 0
					
Channel	20375	100% RB / Offset 0	**Channel**	20375	100% RB / Offset 0