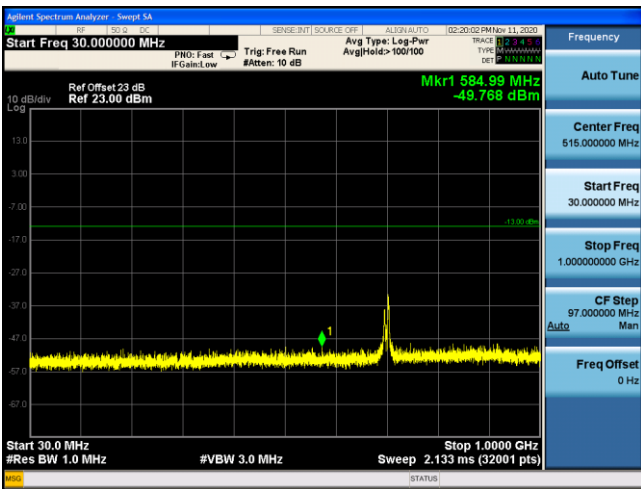
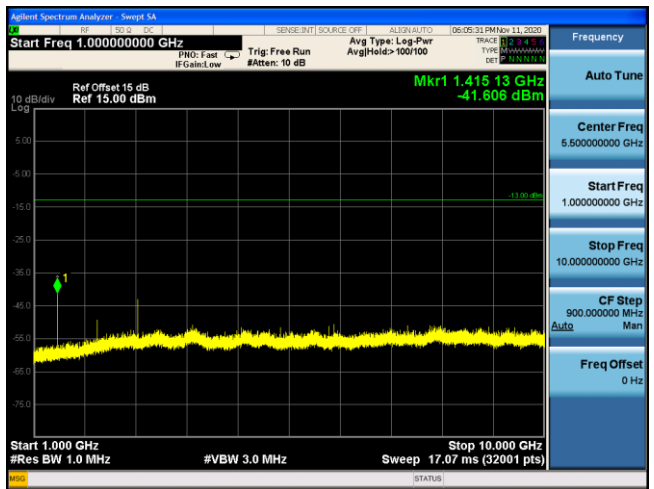


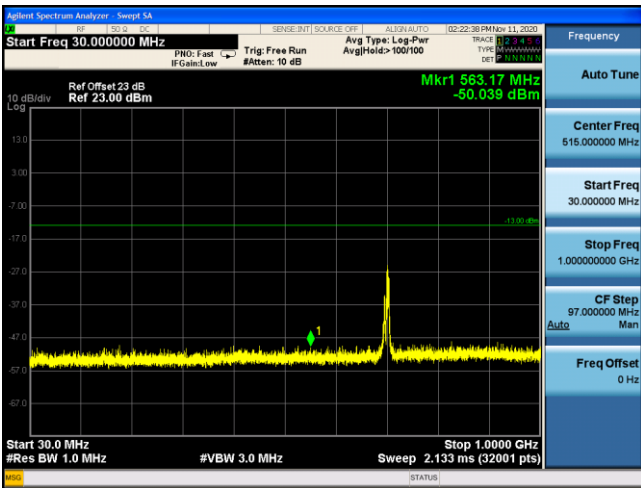
LTE Band 12 16QAM 1.4MHz CH23095 1RB#2_30MHz-1GHz



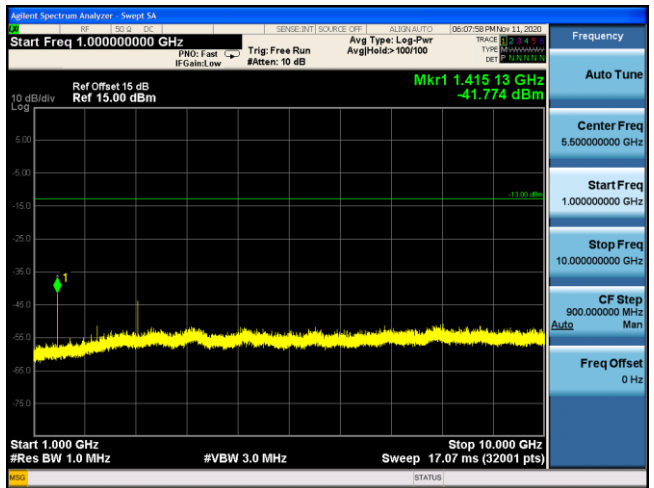
LTE Band 12 16QAM 1.4MHz CH23095 1RB#2_1GHz-10GHz



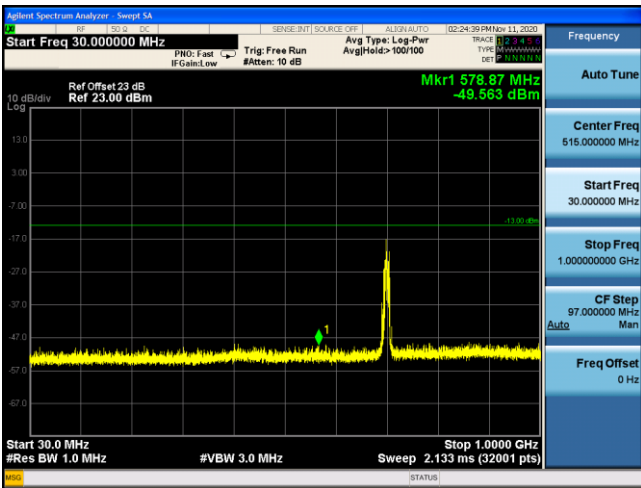
LTE Band 12 16QAM 3MHz CH23095 1RB#7_30MHz-1GHz



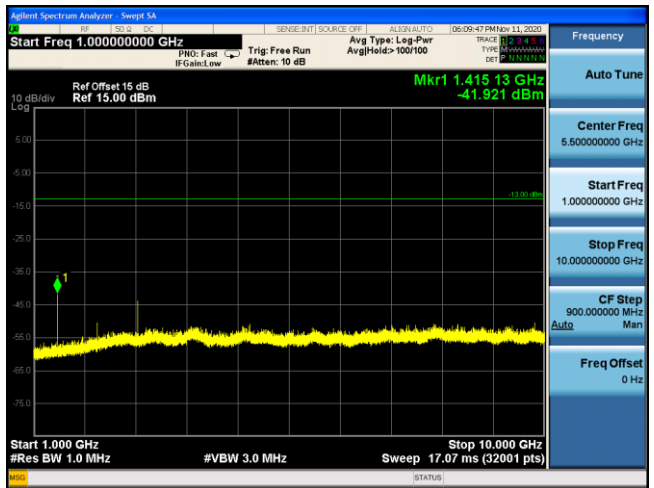
LTE Band 12 16QAM 3MHz CH23095 1RB#7_1GHz-10GHz



LTE Band 12 16QAM 5MHz CH23095 1RB#12_30MHz-1GHz

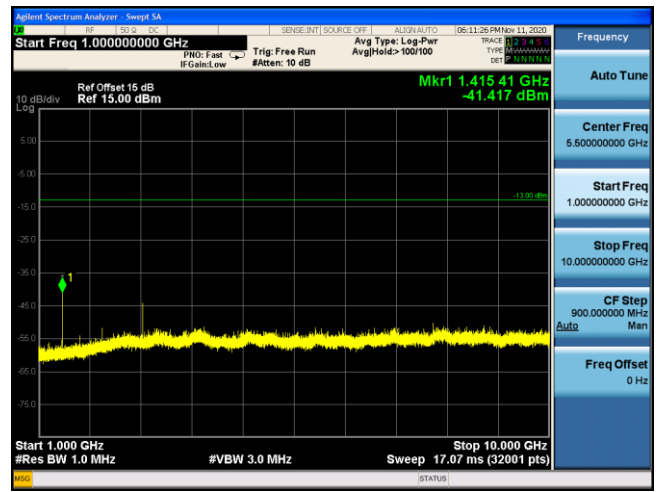
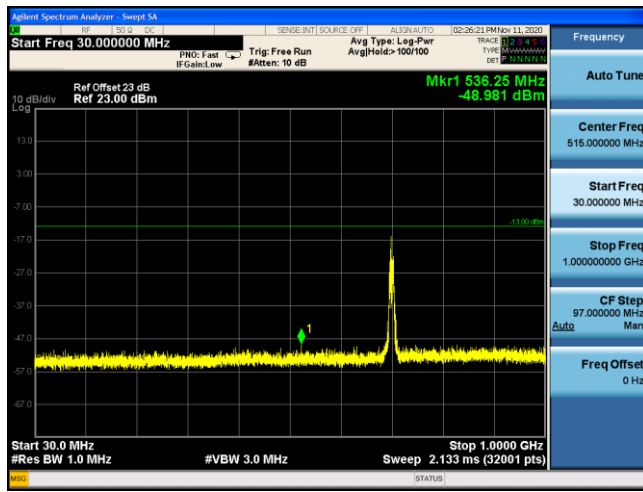


LTE Band 12 16QAM 5MHz CH23095 1RB#12_1GHz-10GHz

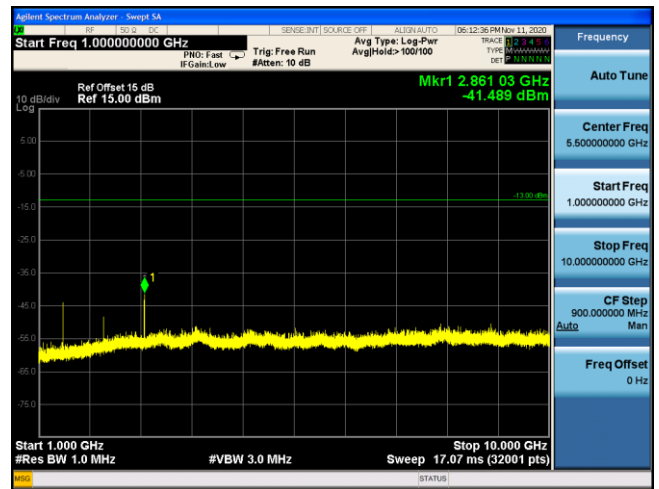
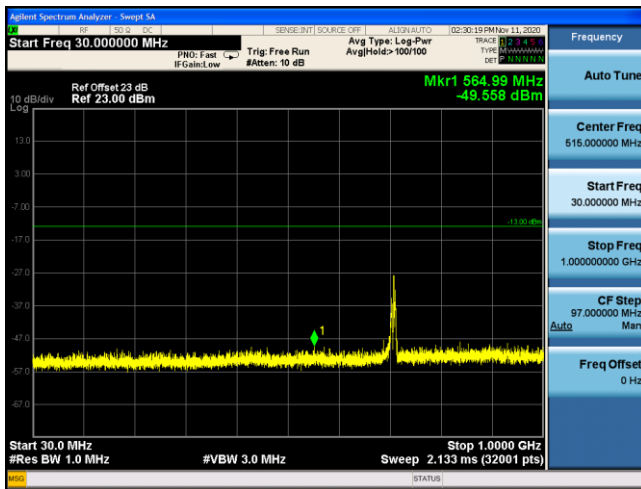


LTE Band 12 16QAM 10MHz CH23095 1RB#25_30MHz-1GHz

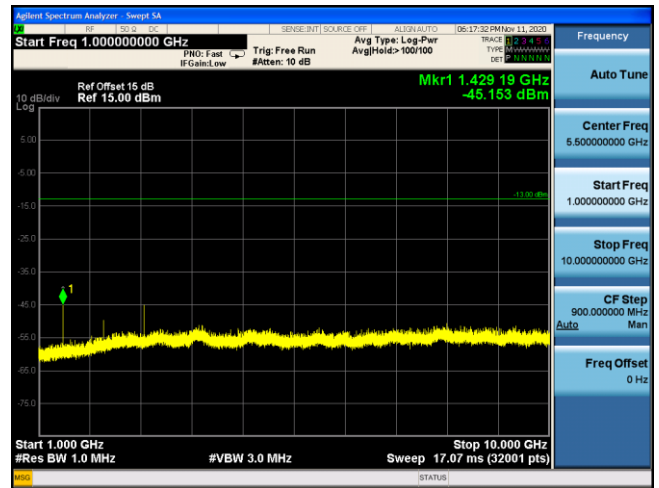
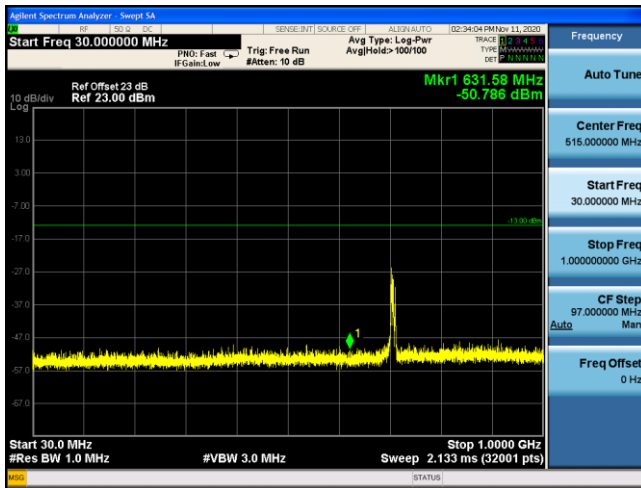
LTE Band 12 16QAM 10MHz CH23095 1RB#25_1GHz-10GHz



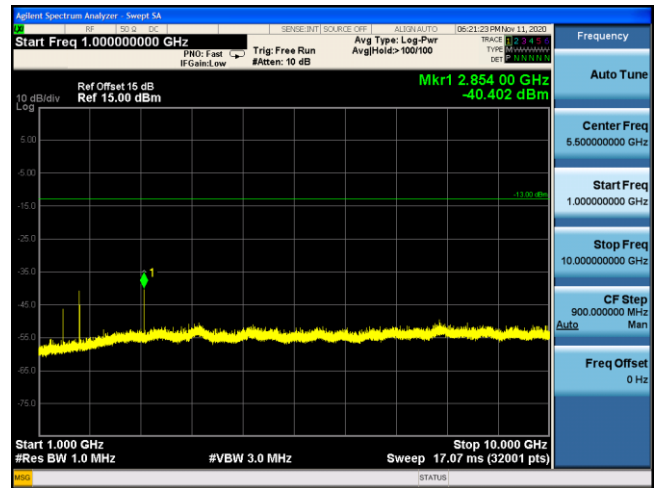
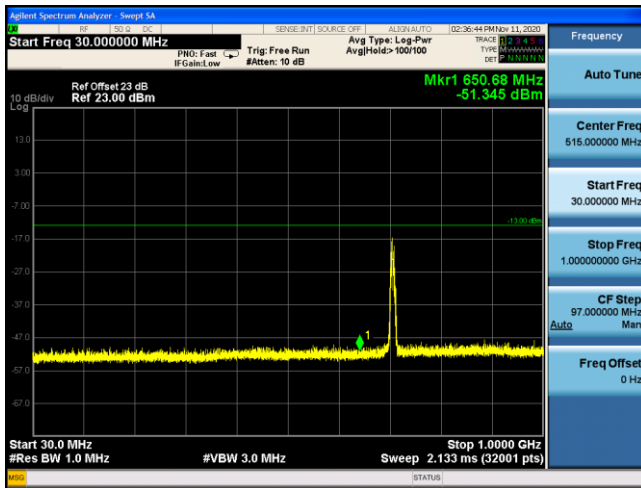
LTE Band 12 QPSK 1.4MHz CH23173 1RB#2_30MHz-1GHz **LTE Band 12 QPSK 1.4MHz CH23173 1RB#2_1GHz-10GHz**

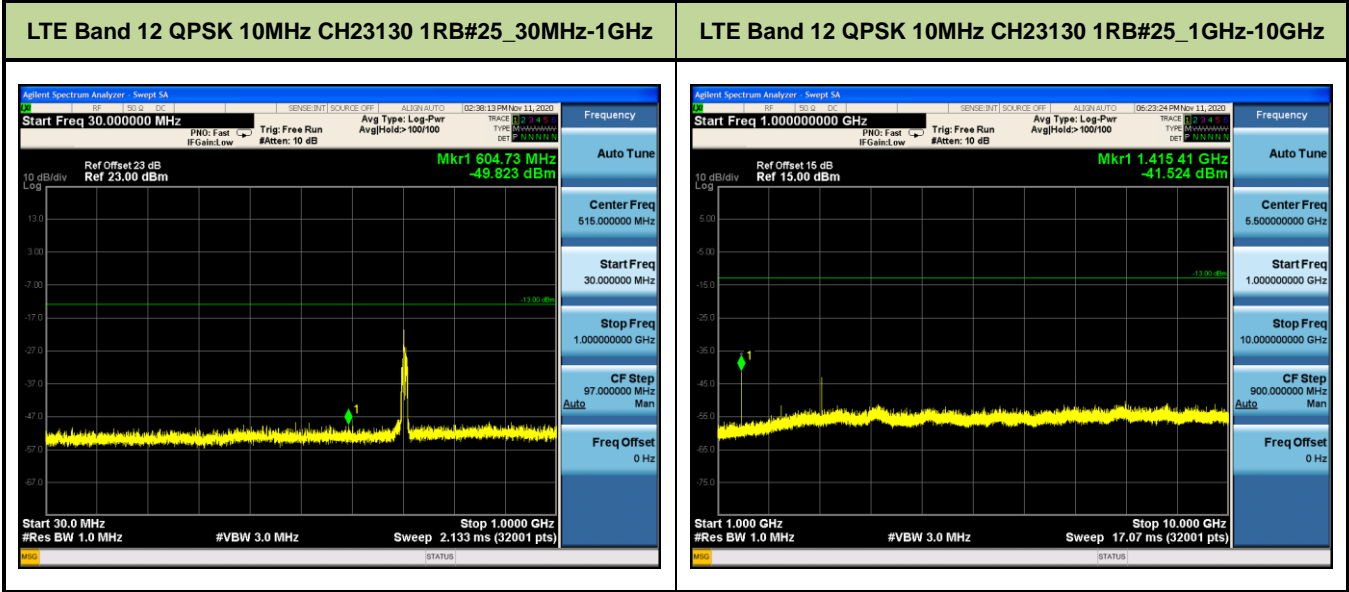


LTE Band 12 QPSK 3MHz CH23165 1RB#7_30MHz-1GHz **LTE Band 12 QPSK 3MHz CH23165 1RB#7_1GHz-10GHz**

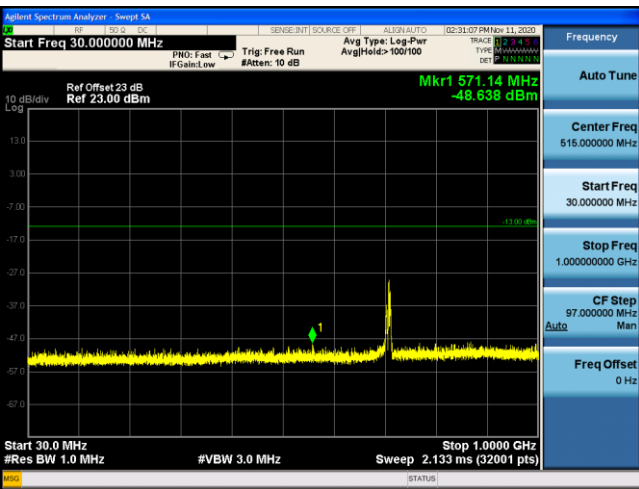


LTE Band 12 QPSK 5MHz CH23155 1RB#12_30MHz-1GHz **LTE Band 12 QPSK 5MHz CH23155 1RB#12_1GHz-10GHz**

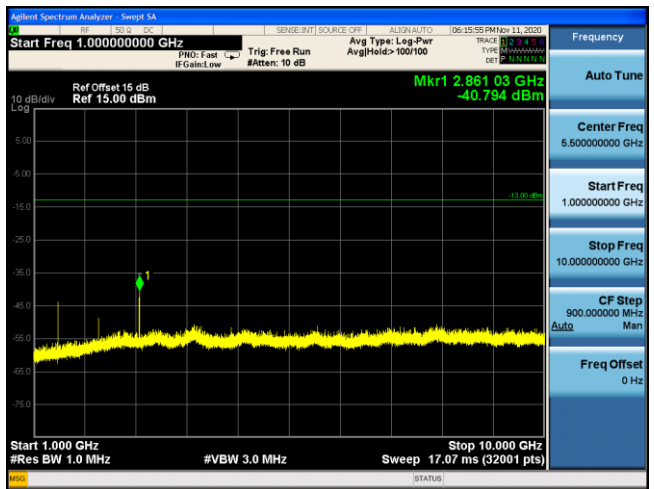




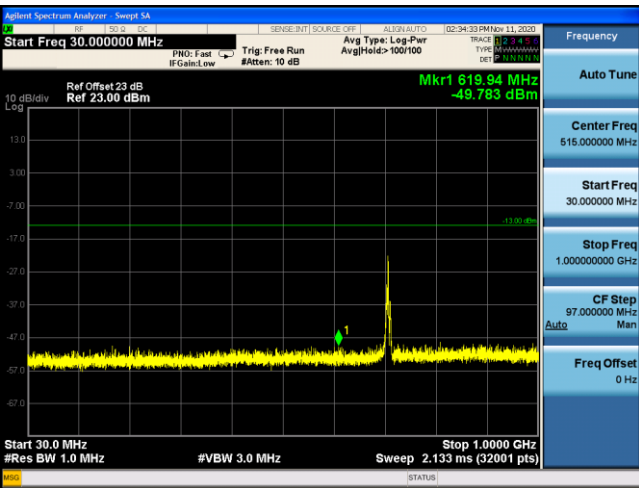
LTE Band 12 16QAM 1.4MHz CH23173 1RB#2_30MHz-1GHz



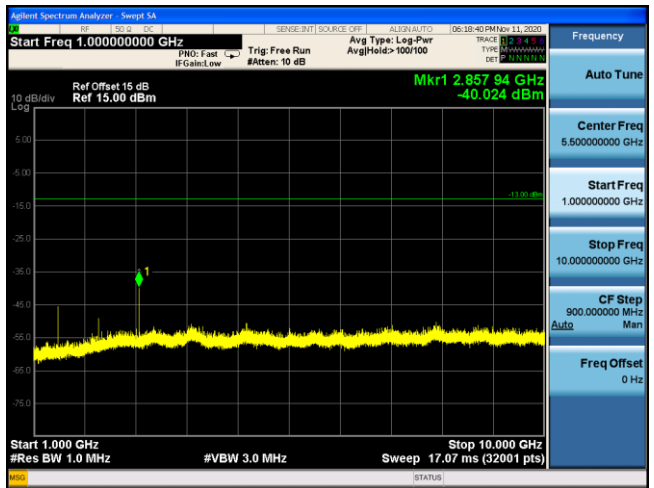
LTE Band 12 16QAM 1.4MHz CH23173 1RB#2_1GHz-10GHz



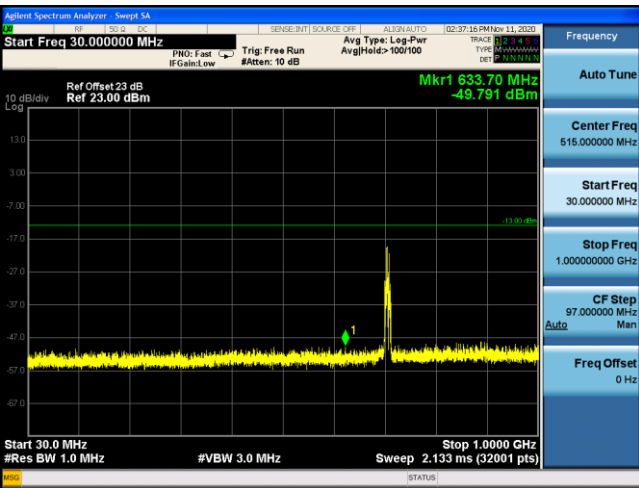
LTE Band 12 16QAM 3MHz CH23165 1RB#7_30MHz-1GHz



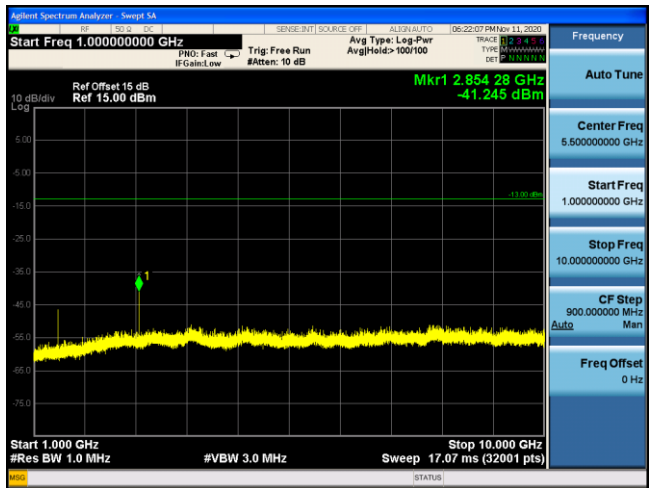
LTE Band 12 16QAM 3MHz CH23165 1RB#7_1GHz-10GHz



LTE Band 12 16QAM 5MHz CH23155 1RB#12_30MHz-1GHz

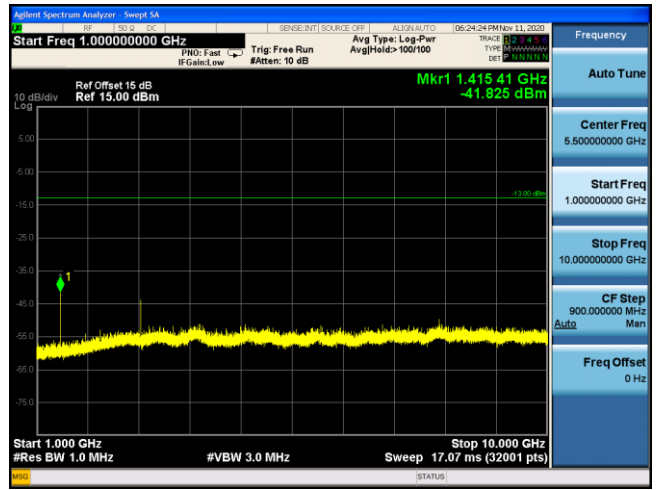
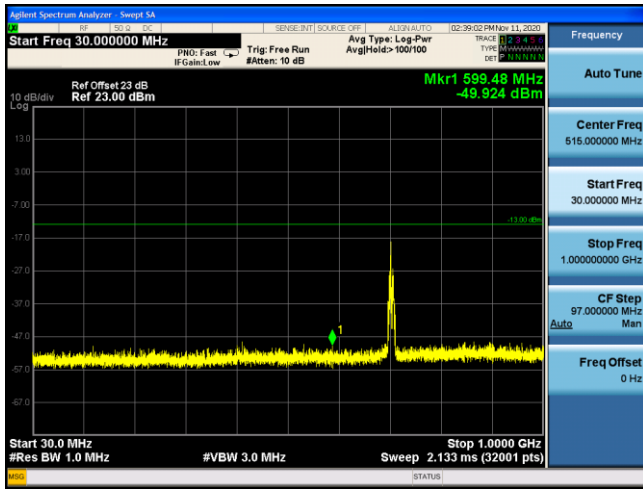


LTE Band 12 16QAM 5MHz CH23155 1RB#12_1GHz-10GHz



LTE Band 12 16QAM 10MHz CH23130 1RB#25_30MHz-1GHz

LTE Band 12 16QAM 10MHz CH23130 1RB#25_1GHz-10GHz



7.4. Band Edge at Antenna Terminal

7.4.1. Test Limit

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 for Band 2,4,5,12,13,17/ 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 for Band7.

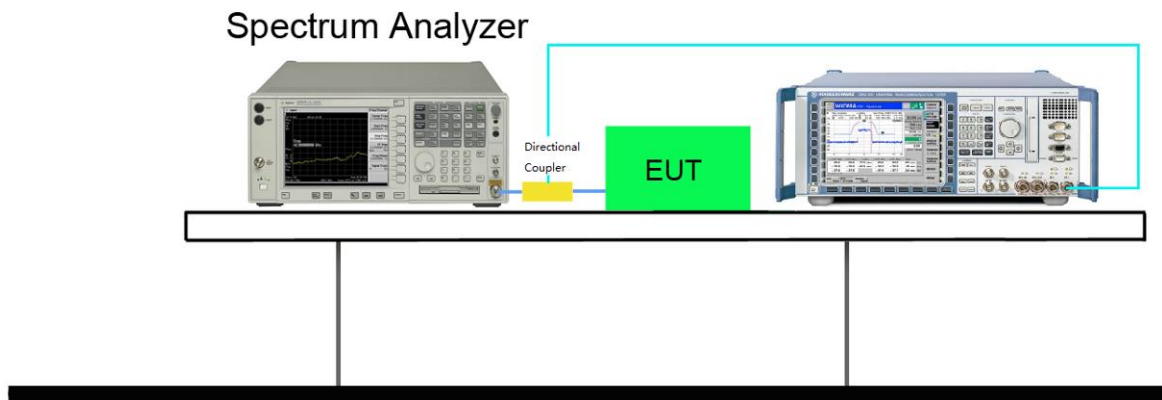
7.4.2. Test Procedure Used

KDB 971168 D01v03r01 – Section 6.0 & ANSI/TIA-603-E-2016

7.4.3. Test Setting

In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

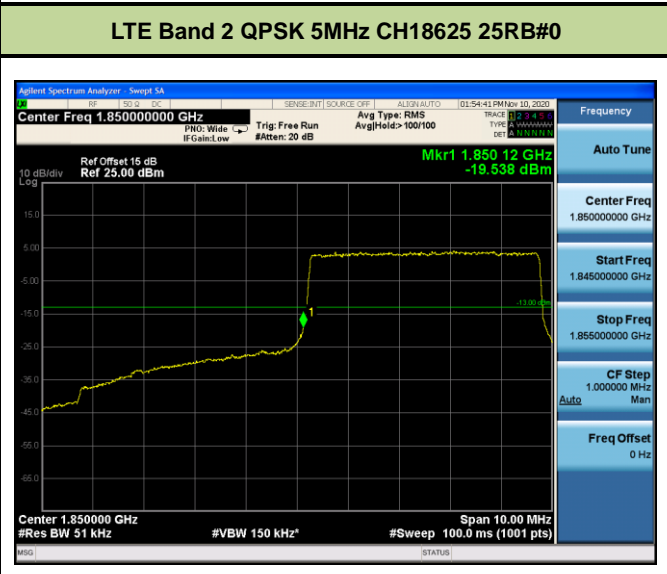
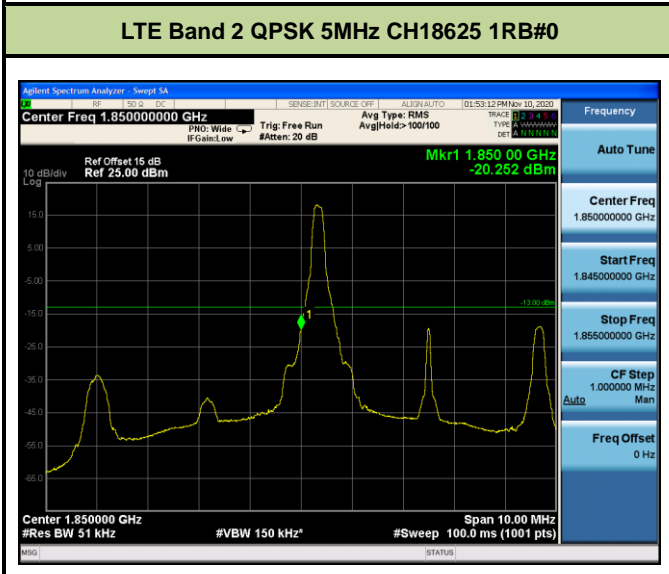
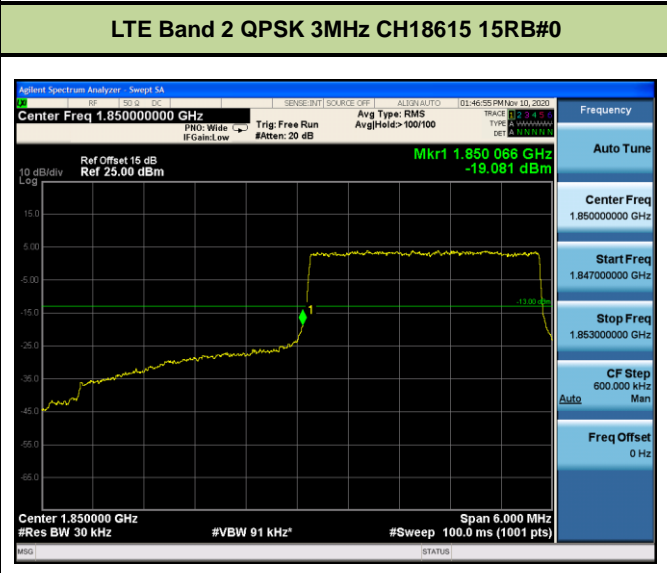
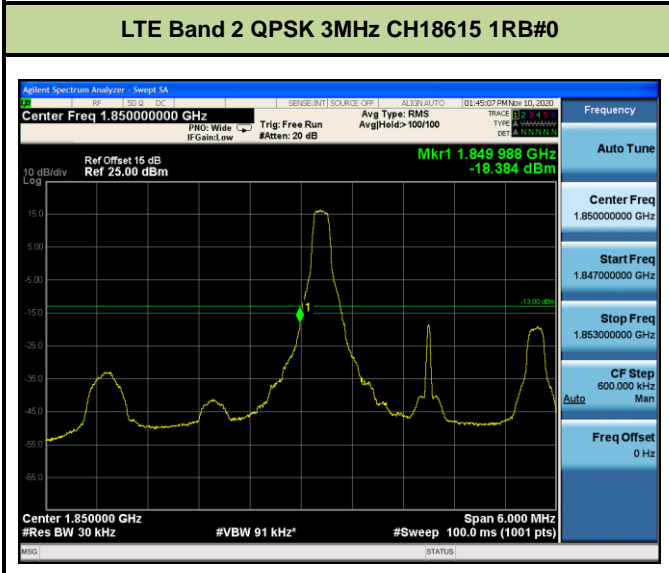
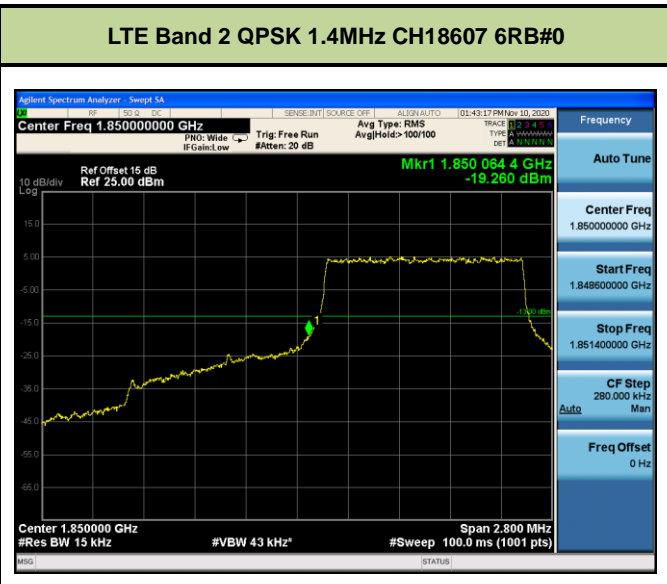
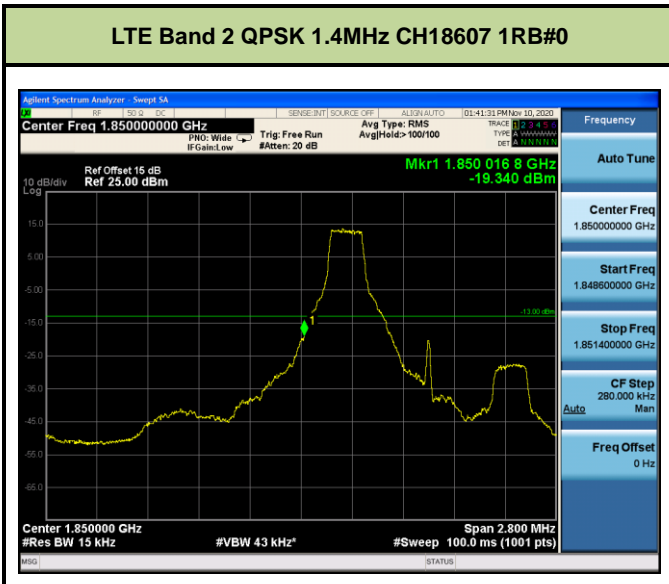
7.4.4. Test Setup

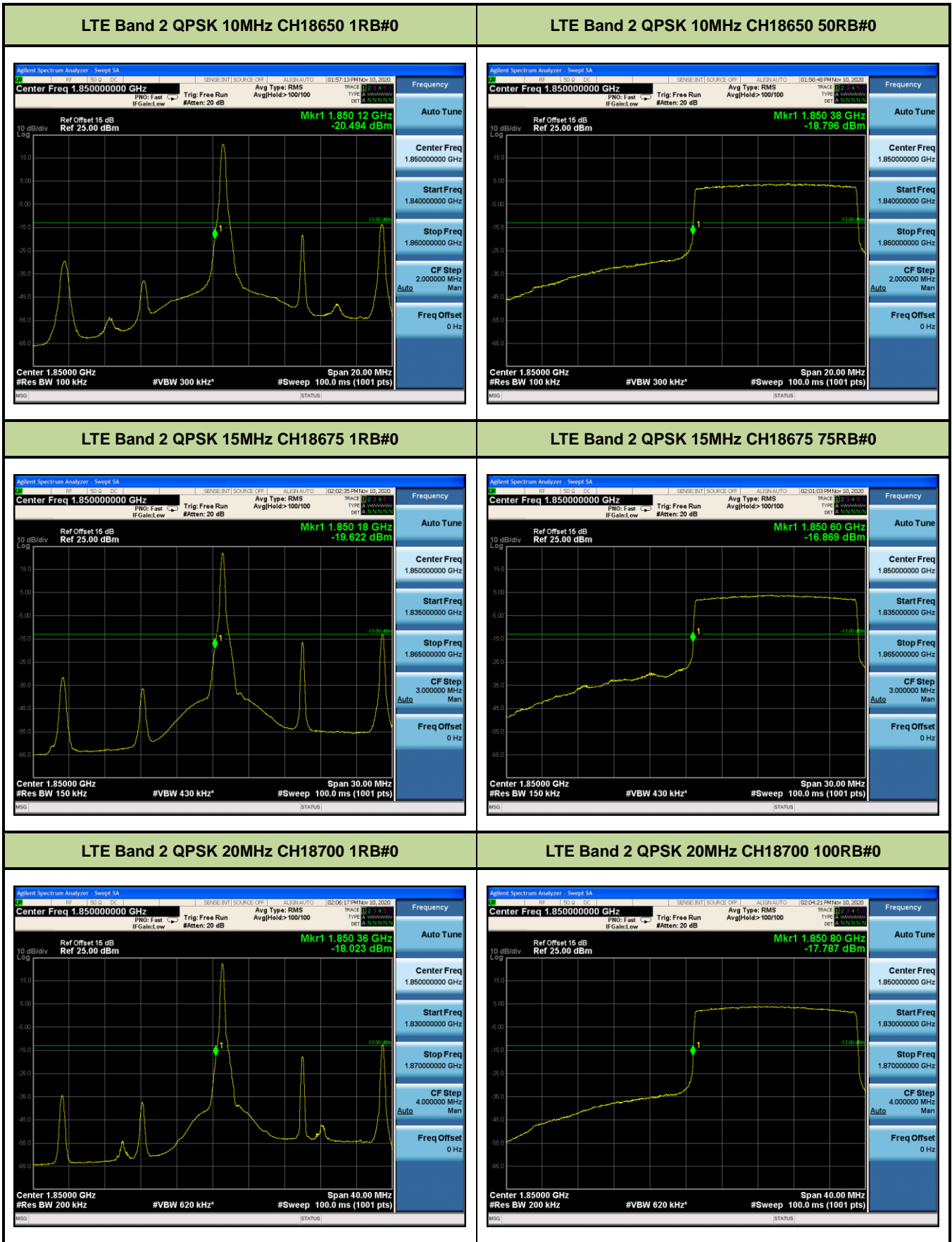


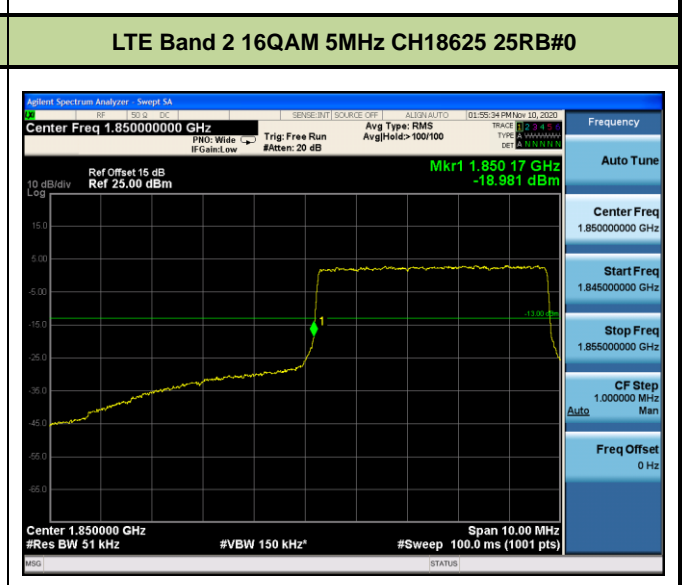
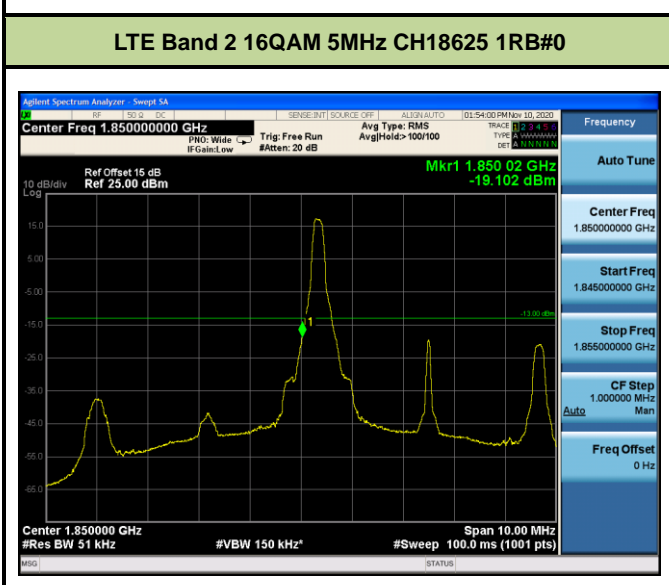
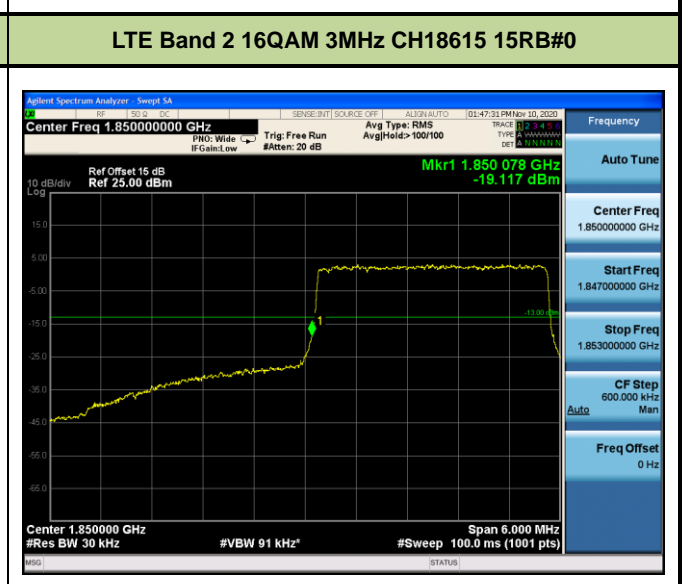
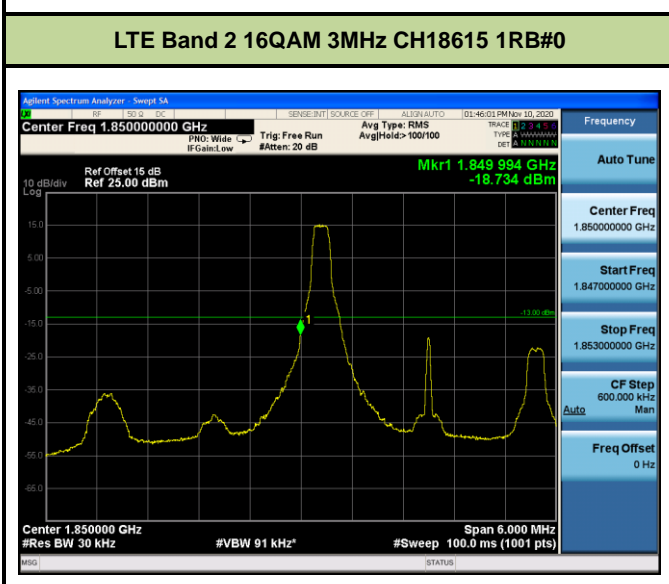
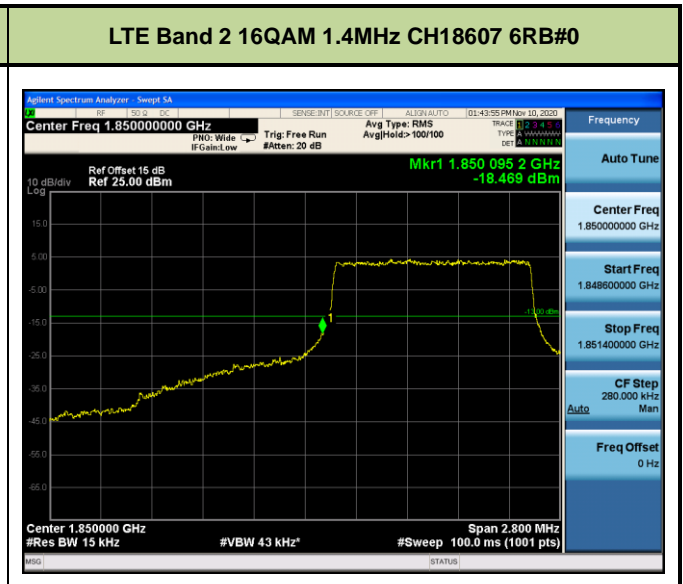
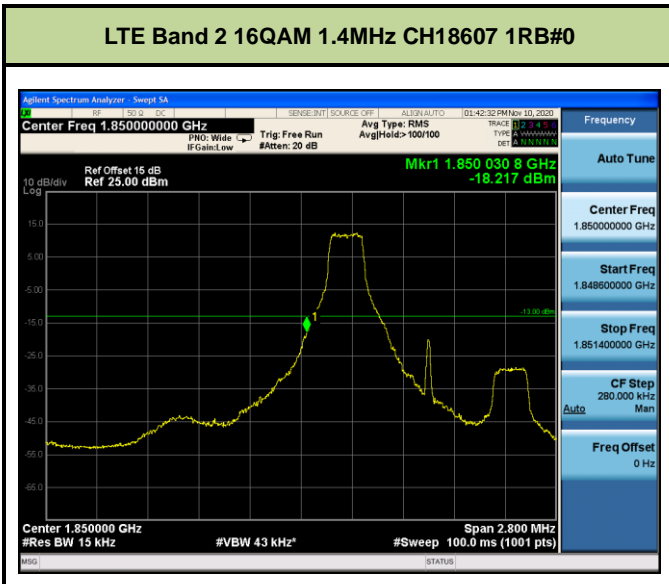
7.4.5. Test Result

Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 2 (Low Channel)	QPSK	CH18607 / 1850.7MHz	1.4	1	0	Pass
				6	0	Pass
		CH18615 / 1851.5MHz	3	1	0	Pass
				15	0	Pass
		CH18625 / 1852.5MHz	5	1	0	Pass
				25	0	Pass
		CH18650 / 1855MHz	10	1	0	Pass
				50	0	Pass
		CH18675 / 1857.5MHz	15	1	0	Pass
				75	0	Pass
		CH18700 / 1860MHz	20	1	0	Pass
				100	0	Pass
	16QAM	CH18607 / 1850.7MHz	1.4	1	0	Pass
				6	0	Pass
		CH18615 / 1851.5MHz	3	1	0	Pass
				15	0	Pass
		CH18625 / 1852.5MHz	5	1	0	Pass
				25	0	Pass
		CH18650 / 1855MHz	10	1	0	Pass
				50	0	Pass
		CH18675 / 1857.5MHz	15	1	0	Pass
				75	0	Pass
		CH18700 / 1860MHz	20	1	0	Pass
				100	0	Pass

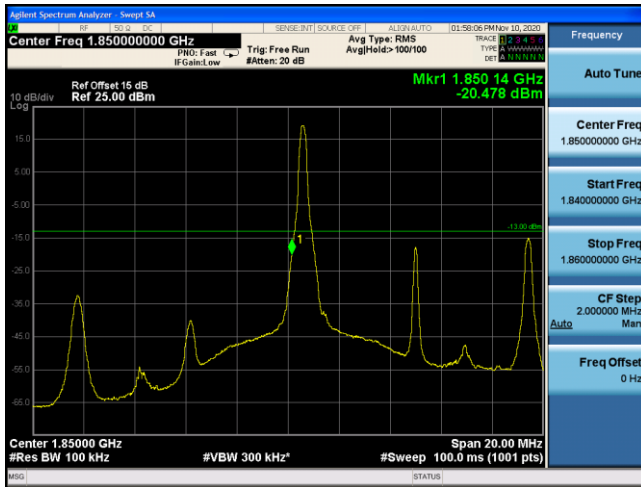
Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result	
LTE Band 2 (High Channel)	QPSK	CH19193 / 1909.3MHz	1.4	1	5	Pass	
				6	0	Pass	
		CH19185 / 1908.5MHz	3	1	14	Pass	
				15	0	Pass	
		CH19175 / 1907.5MHz	5	1	24	Pass	
				25	0	Pass	
	CH19150 / 1905MHz	10	1	49	Pass		
			50	0	Pass		
	CH19125 / 1902.5MHz	15	1	74	Pass		
			75	0	Pass		
	CH19100 / 1900MHz	20	1	99	Pass		
			100	0	Pass		
	LTE Band 2 (High Channel)	16QAM	CH19193 / 1909.3MHz	1.4	1	5	Pass
					6	0	Pass
CH19185 / 1908.5MHz			3	1	14	Pass	
				15	0	Pass	
CH19175 / 1907.5MHz			5	1	24	Pass	
				25	0	Pass	
CH19150 / 1905MHz			10	1	49	Pass	
				50	0	Pass	
CH19125 / 1902.5MHz			15	1	74	Pass	
				75	0	Pass	
CH19100 / 1900MHz			20	1	99	Pass	
				100	0	Pass	



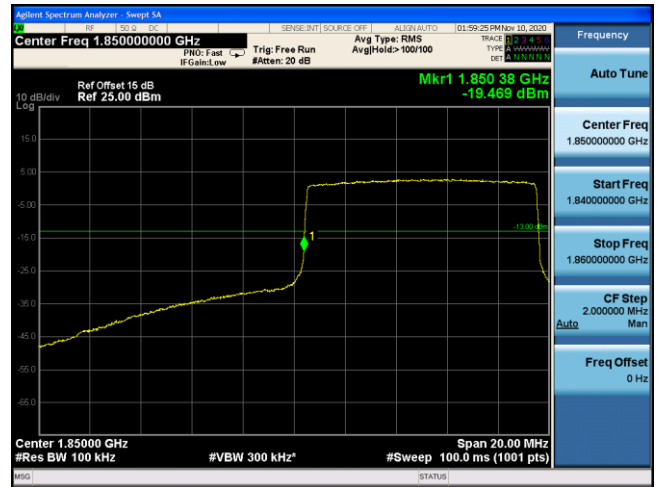




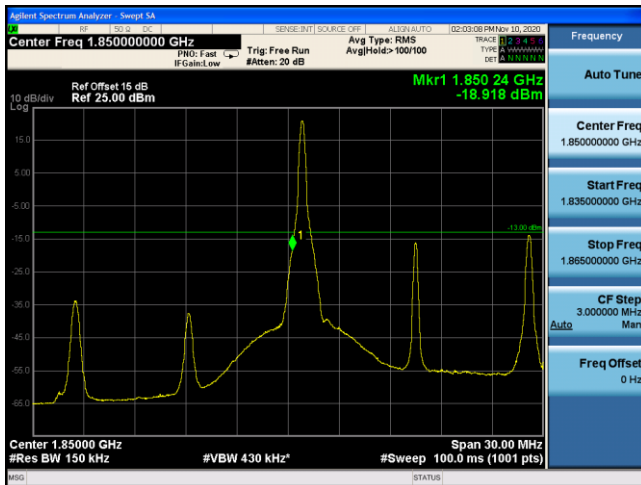
LTE Band 2 16QAM 10MHz CH18650 1RB#0



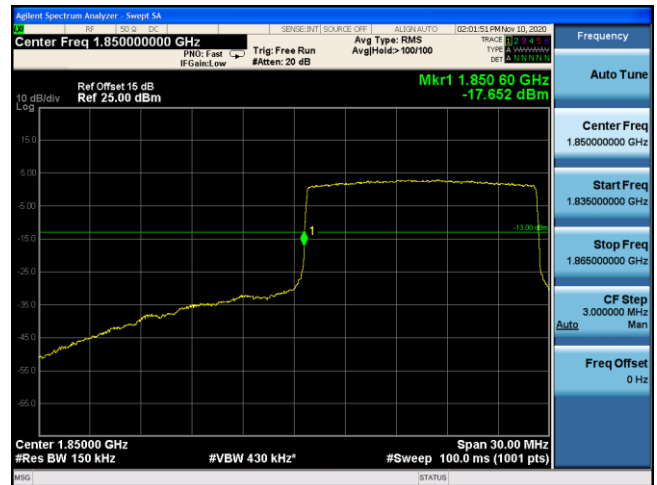
LTE Band 2 16QAM 10MHz CH18650 50RB#0



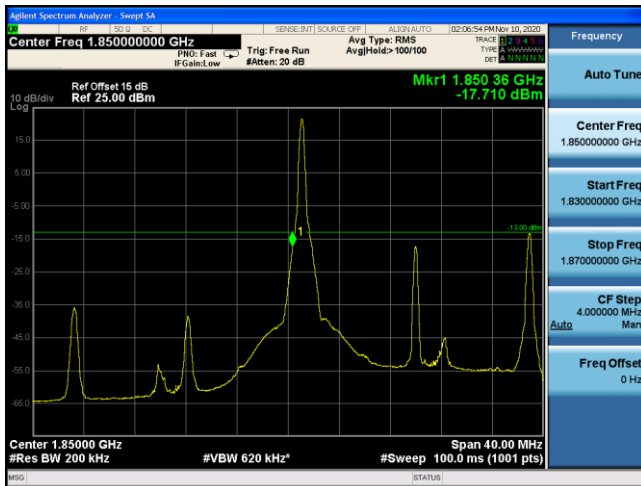
LTE Band 2 16QAM 15MHz CH18675 1RB#0



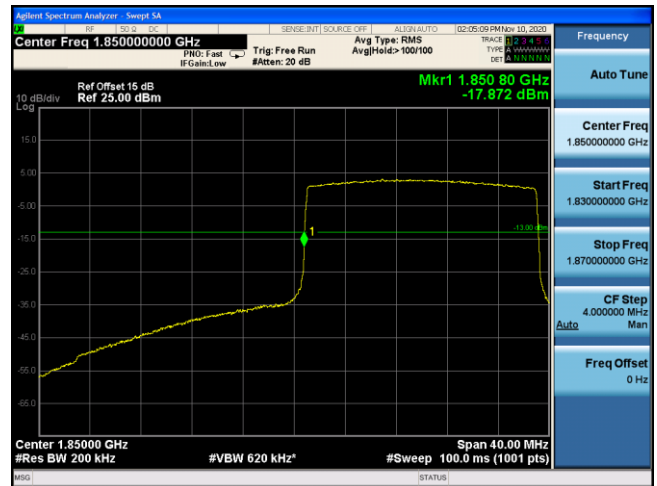
LTE Band 2 16QAM 15MHz CH18675 75RB#0



LTE Band 2 16QAM 20MHz CH18700 1RB#0



LTE Band 2 16QAM 20MHz CH18700 100RB#0



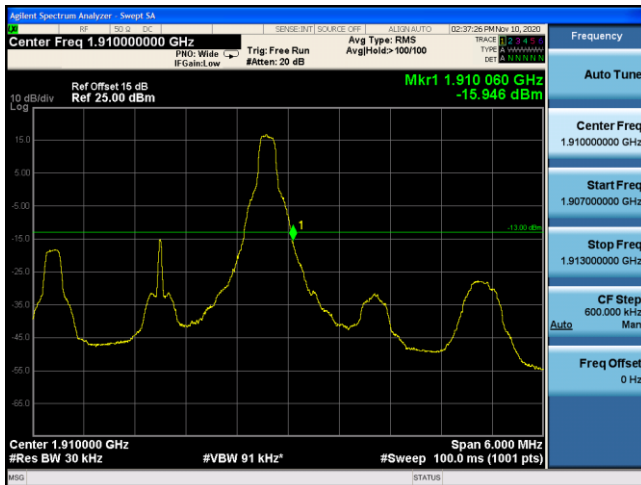
LTE Band 2 QPSK 1.4MHz CH19193 1RB#5



LTE Band 2 QPSK 1.4MHz CH19193 6RB#0



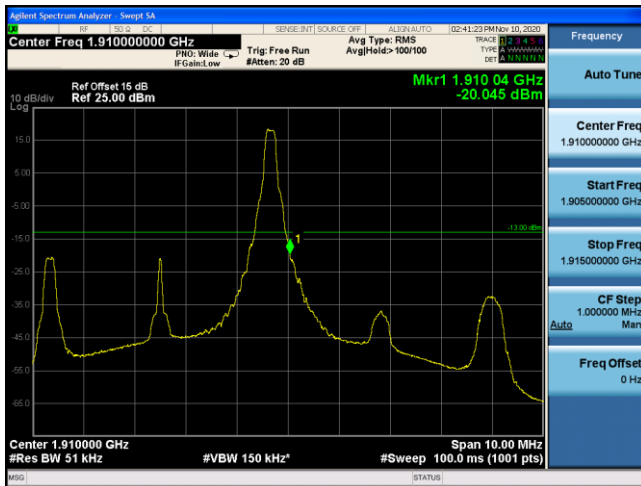
LTE Band 2 QPSK 3MHz CH19185 1RB#14



LTE Band 2 QPSK 3MHz CH19185 15RB#0



LTE Band 2 QPSK 5MHz CH19175 1RB#24



LTE Band 2 QPSK 5MHz CH19175 25RB#0



