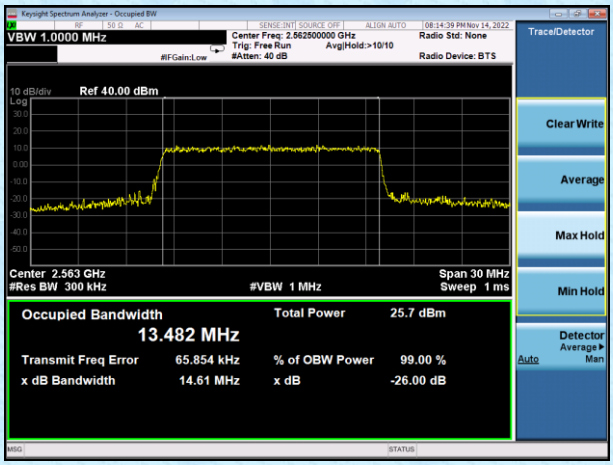
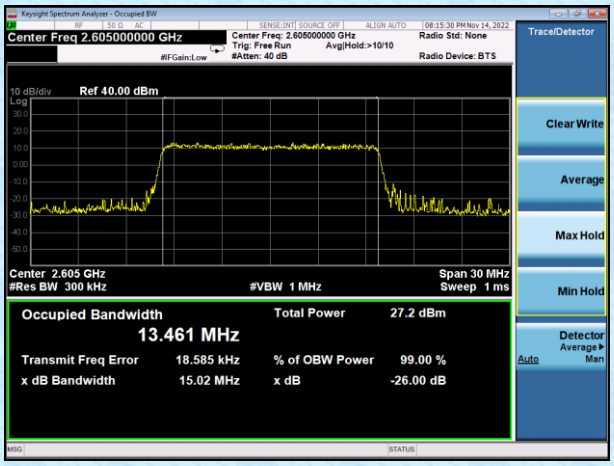
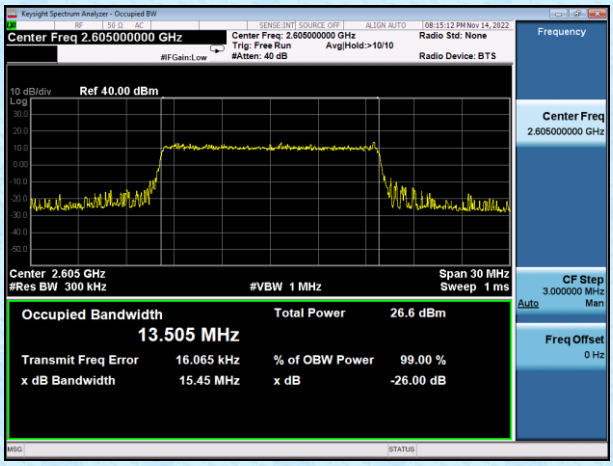
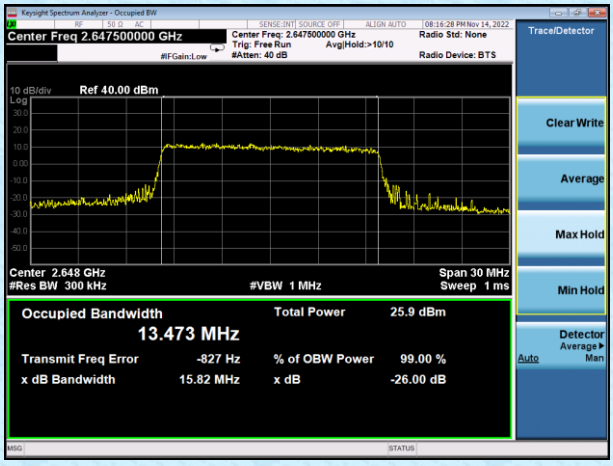
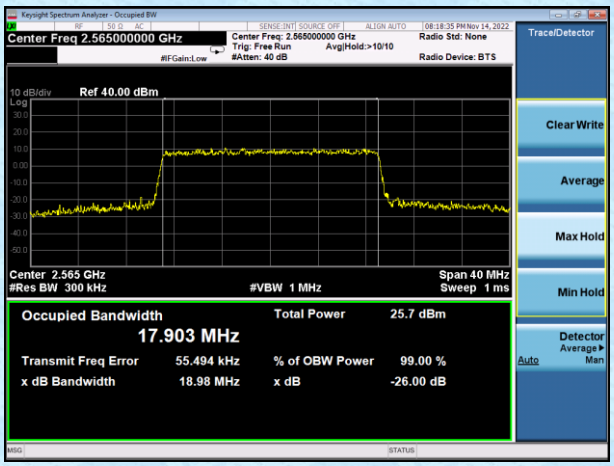
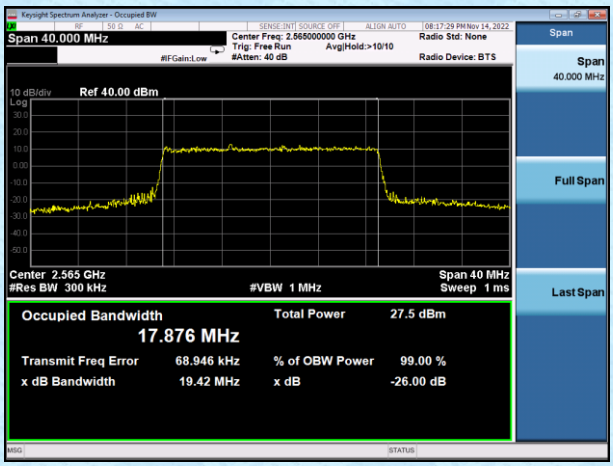
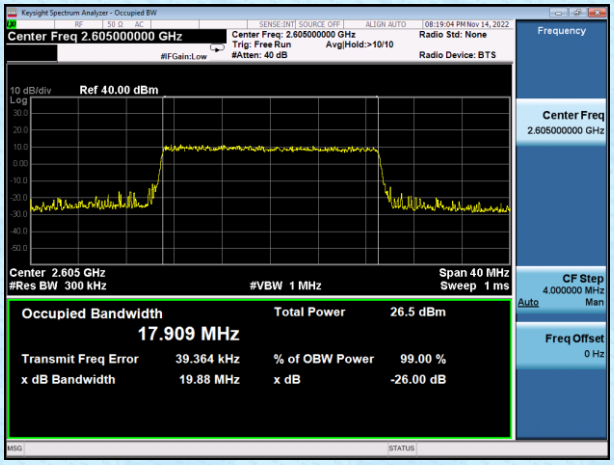
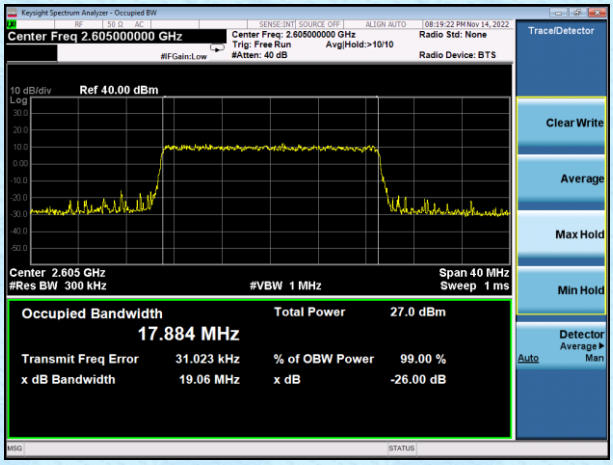
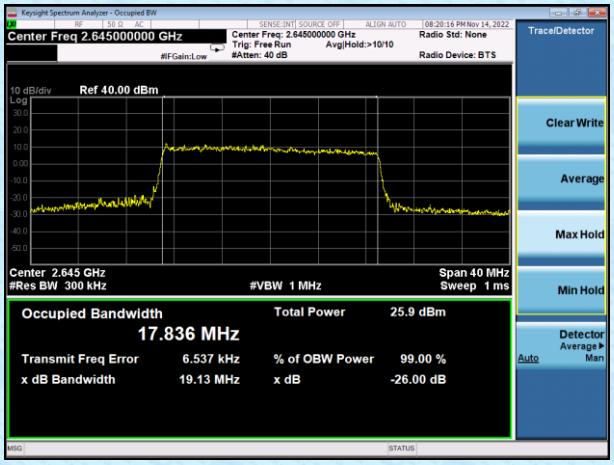
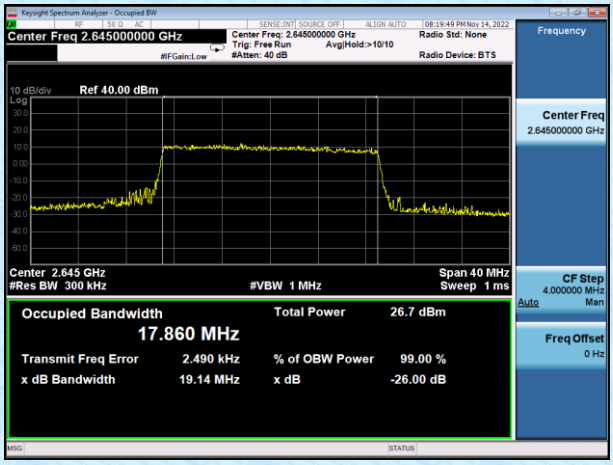
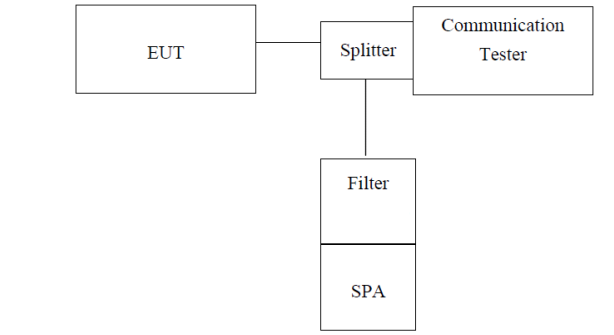
15M Bandwidth QPSK	15M Bandwidth 16QAM
	
Low Channel	Low Channel
	
Middle Channel	Middle Channel
	
High Channel	High Channel

20M Bandwidth QPSK	20M Bandwidth 16QAM
	
Low Channel	Low Channel
	
Middle Channel	Middle Channel
	
High Channel	High Channel

7.6 MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

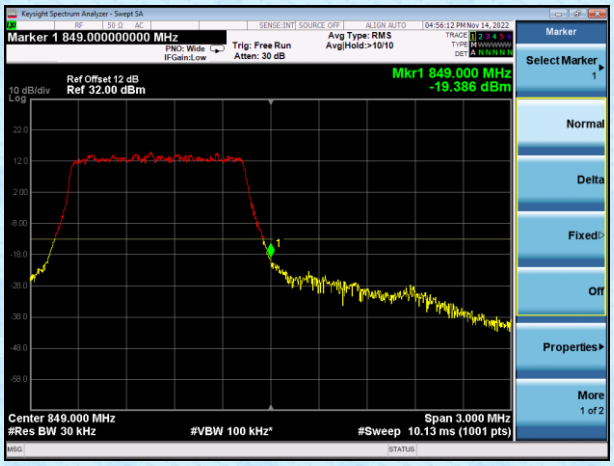
7.7 Out of band emission at antenna terminals

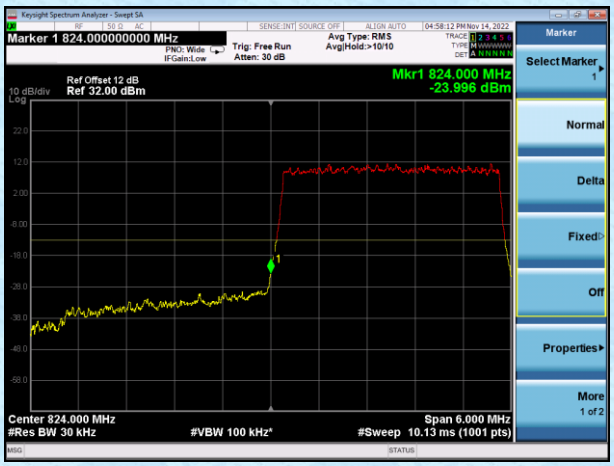
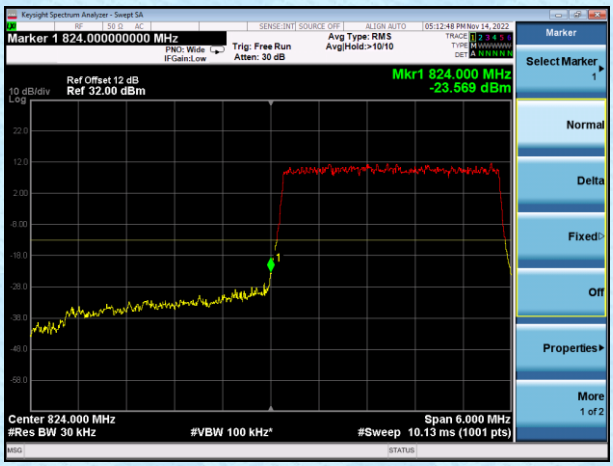
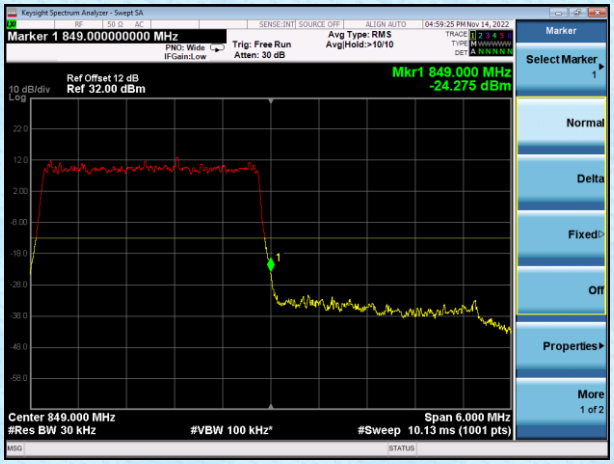
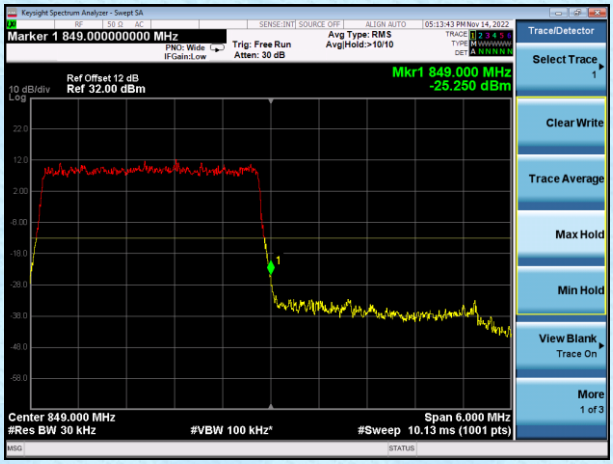
Test Requirement:	FCC Part 27.53; Part 22.917
Test Method:	FCC part2.1051
Test setup:	 *Note: Measurement setup for testing on Antenna connector*
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 6.1 for details
Test results:	Pass

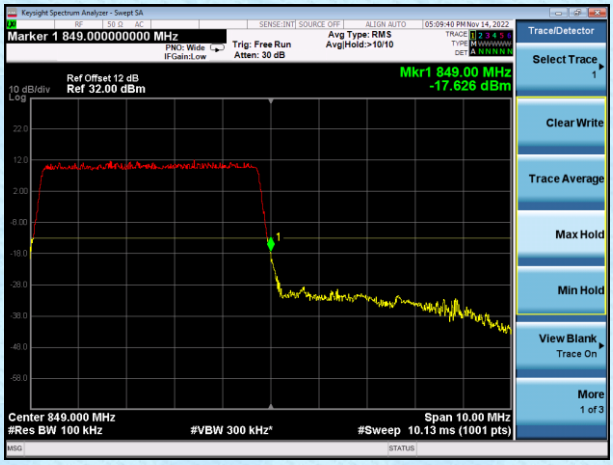
Remark: All modes were tested, only recorded the worst case (Full RB#0) data in the test report

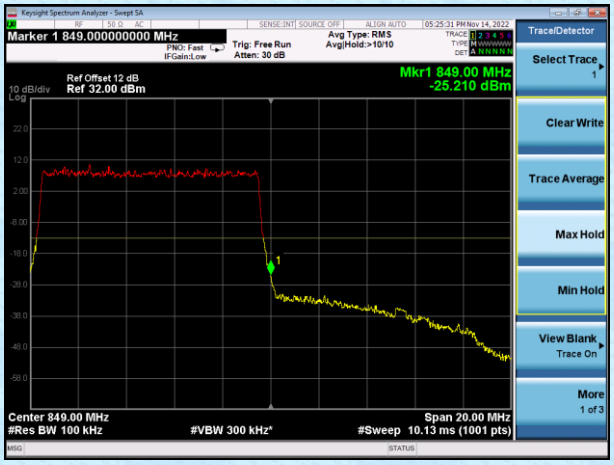
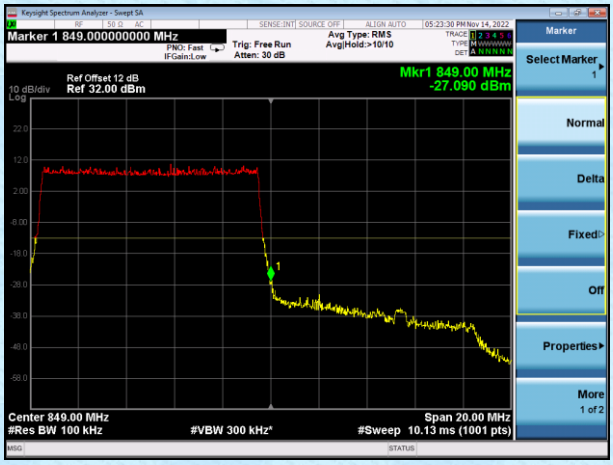
Measurement Data:

LTE Band 5

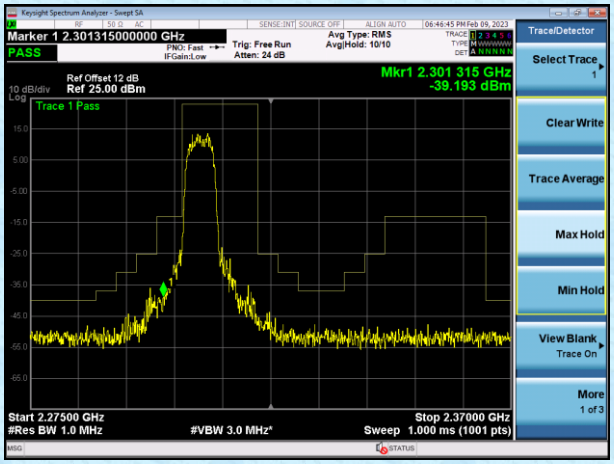
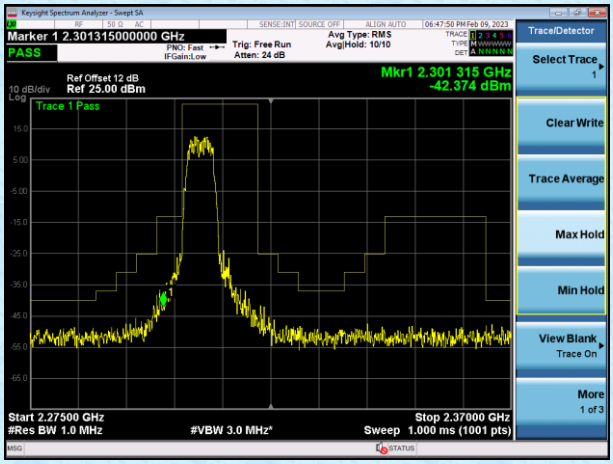
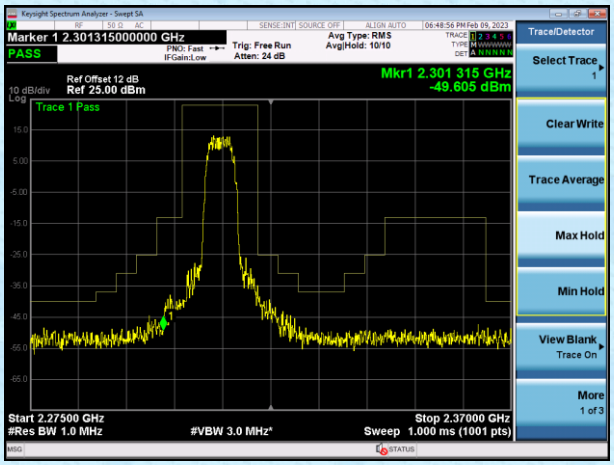
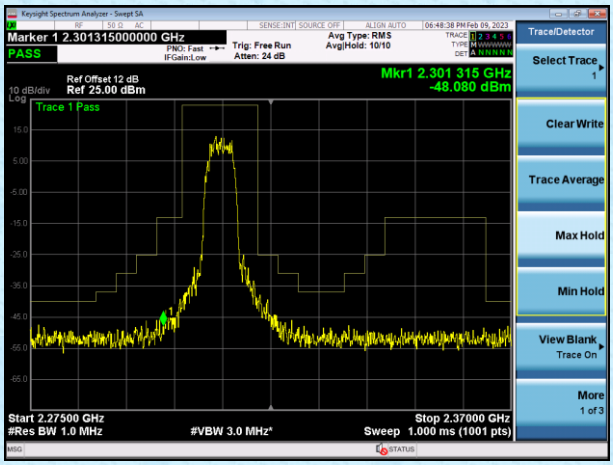
1.4M Bandwidth QPSK	1.4M Bandwidth 16QAM
Low Channel	Low Channel
	
High Channel	High Channel

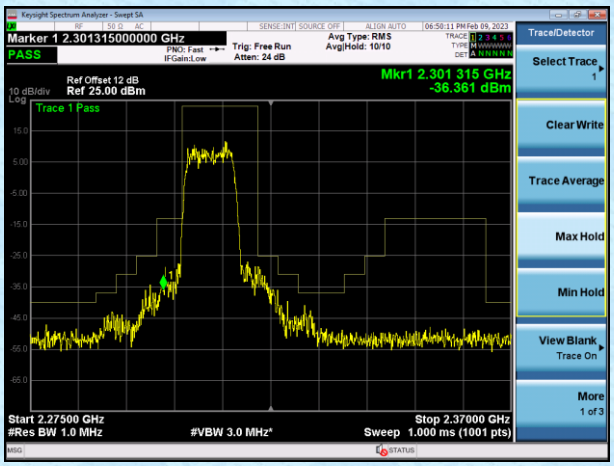
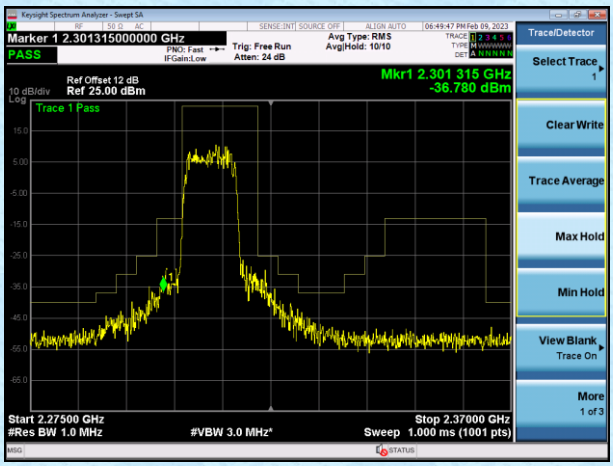
3M Bandwidth QPSK	3M Bandwidth 16QAM
	
Low Channel	Low Channel
	
High Channel	High Channel

5M Bandwidth QPSK	5M Bandwidth 16QAM
Low Channel	Low Channel
	
High Channel	High Channel

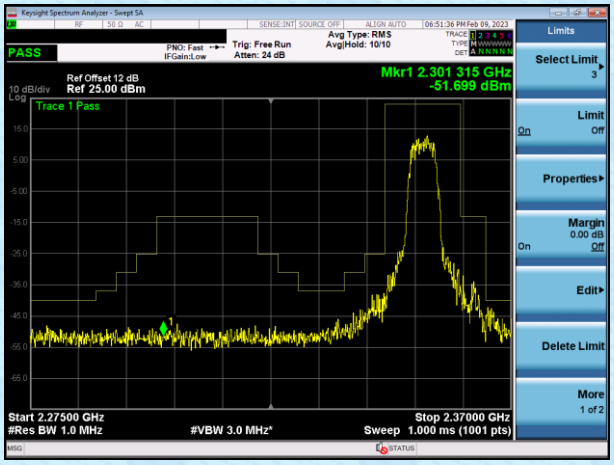
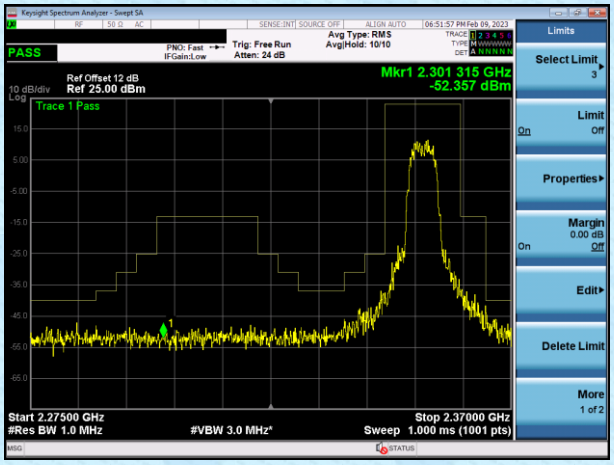
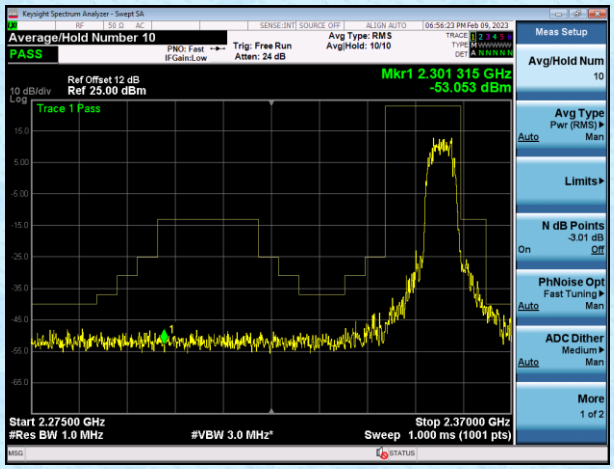
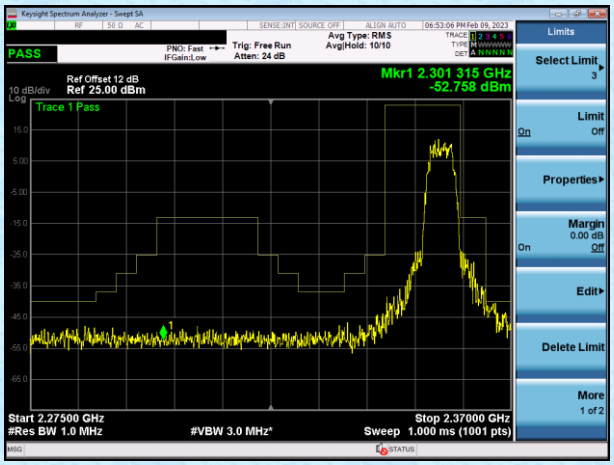
10M Bandwidth QPSK	10M Bandwidth 16QAM
Low Channel	Low Channel
	
High Channel	High Channel

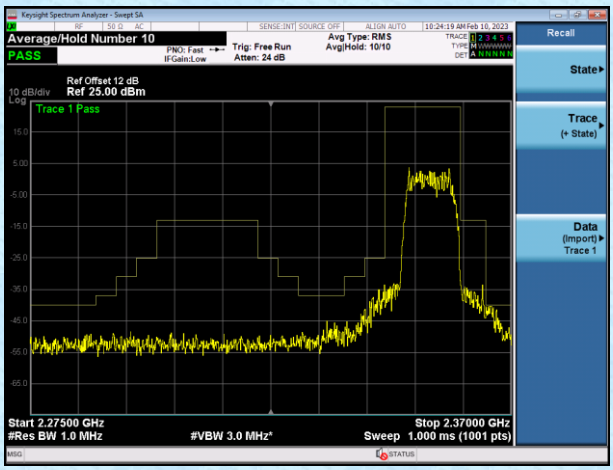
LTE Band 40 Lower

5M Bandwidth QPSK	5M Bandwidth 16QAM
	
Low Channel	Low Channel
	
High Channel	High Channel

10M Bandwidth QPSK	10M Bandwidth 16QAM
	
Low Channel	Low Channel

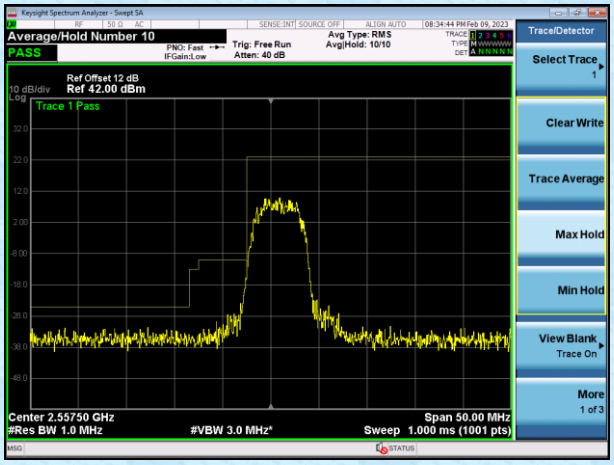
LTE Band 40 Upper

5M Bandwidth QPSK	5M Bandwidth 16QAM
	
Low Channel	Low Channel
	
High Channel	High Channel

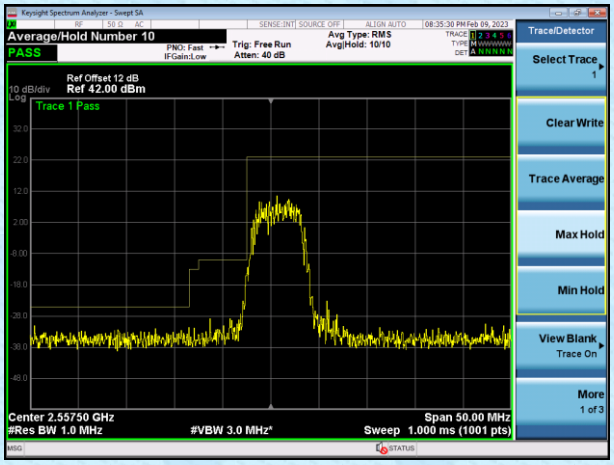
10M Bandwidth QPSK	10M Bandwidth 16QAM
	
Low Channel	Low Channel

LTE Band 41

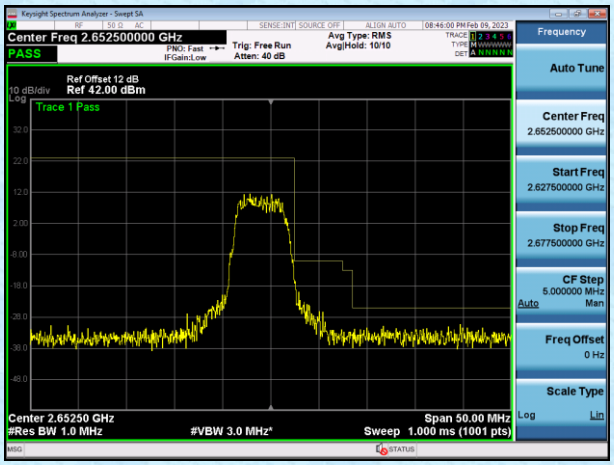
5M Bandwidth QPSK	5M Bandwidth 16QAM



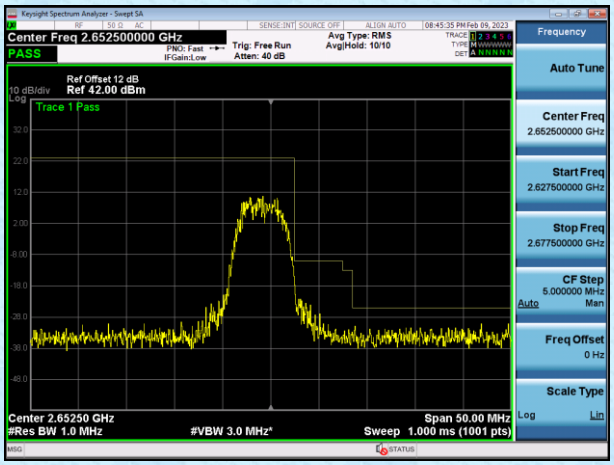
Low Channel



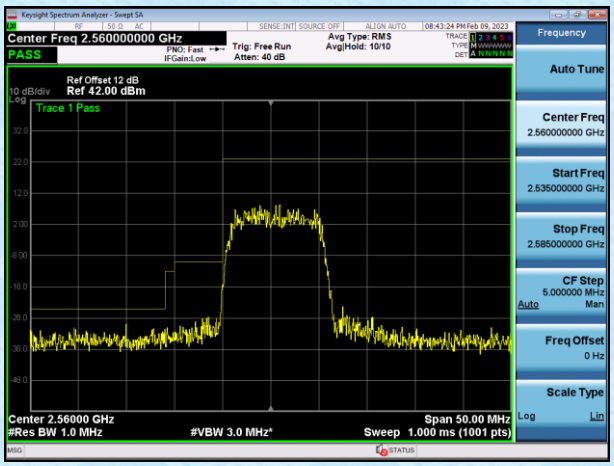
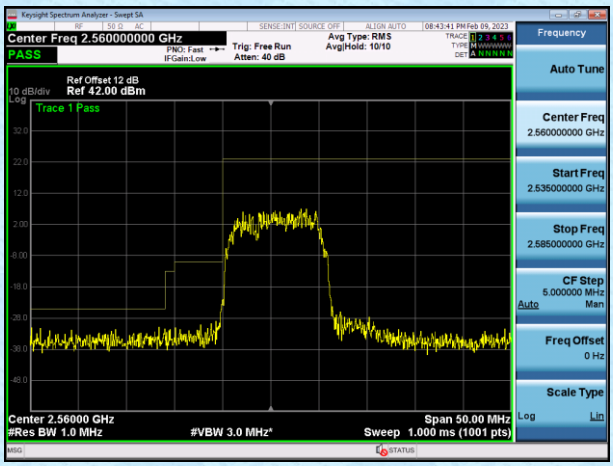
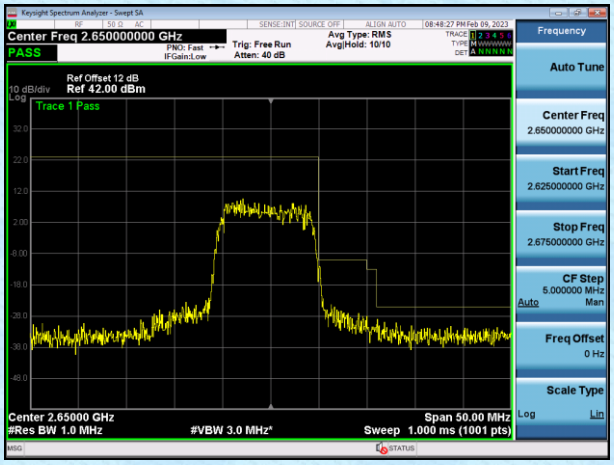
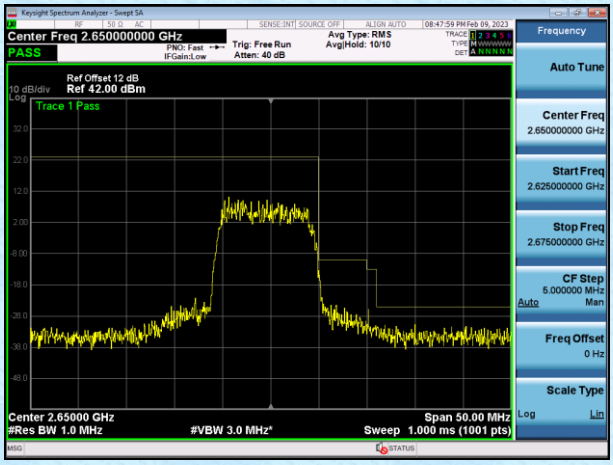
Low Channel

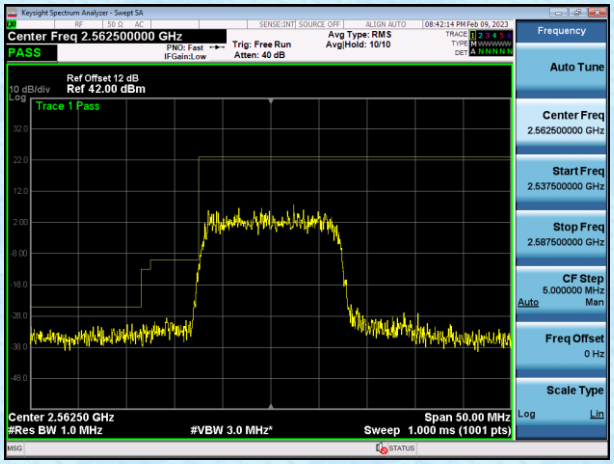
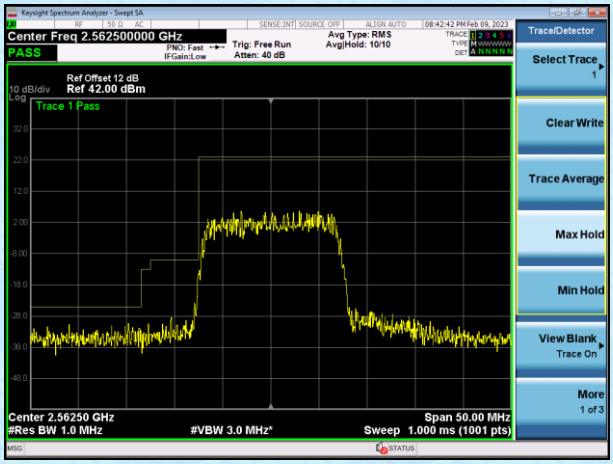
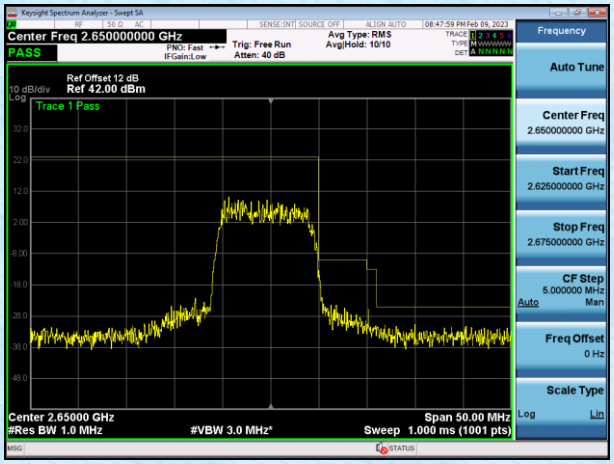
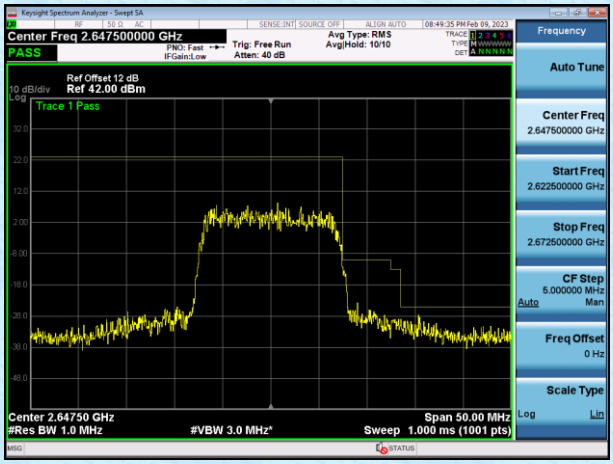


High Channel

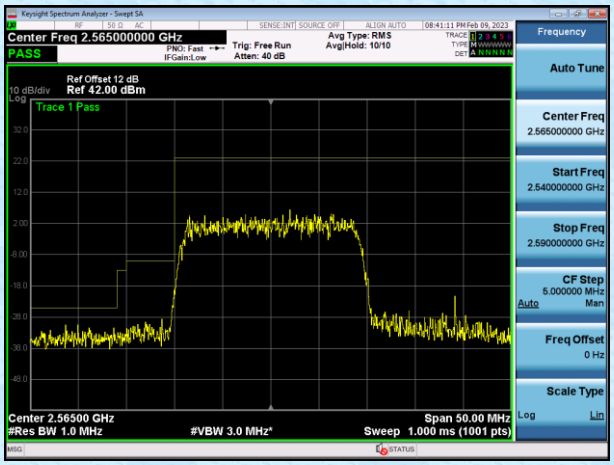


High Channel

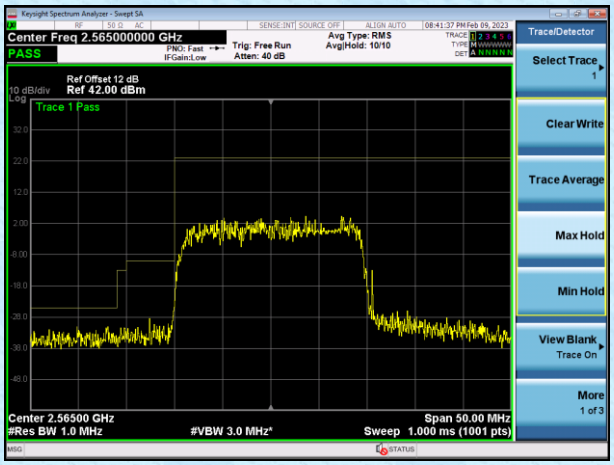
10M Bandwidth QPSK	10M Bandwidth 16QAM
	
Low Channel	Low Channel
	
High Channel	High Channel

15M Bandwidth QPSK	15M Bandwidth 16QAM
	
Low Channel	Low Channel
	
High Channel	High Channel

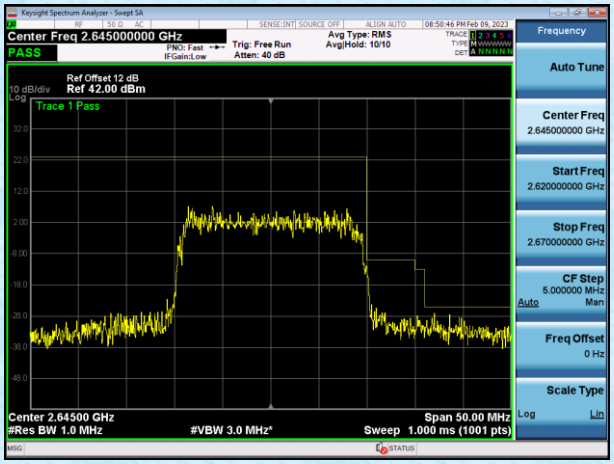
20M Bandwidth QPSK	20M Bandwidth 16QAM



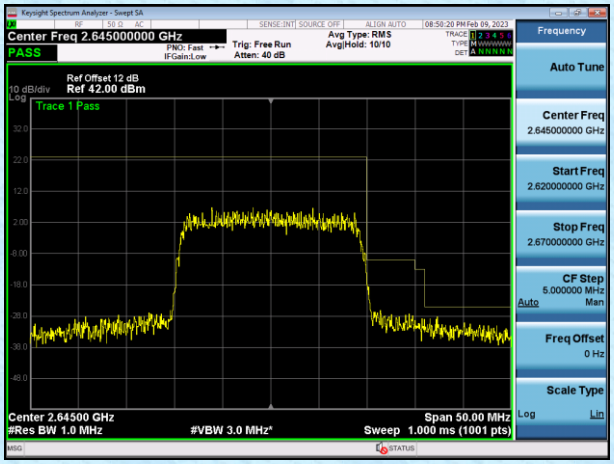
Low Channel



Low Channel



High Channel

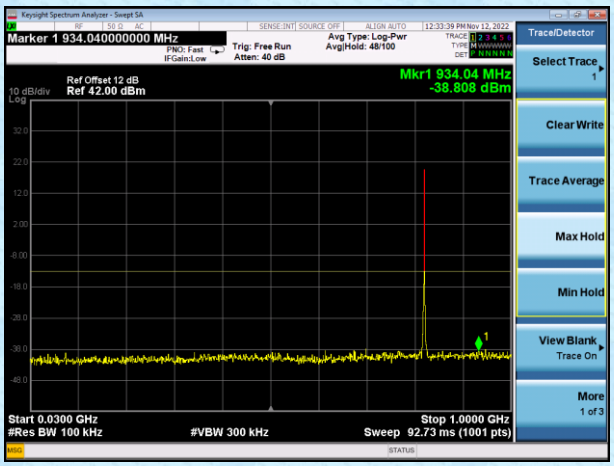
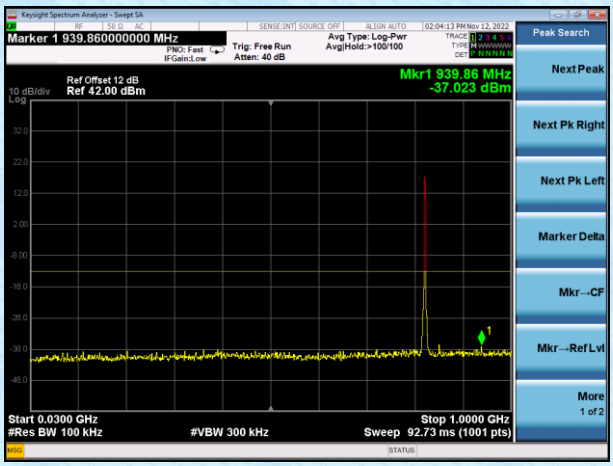
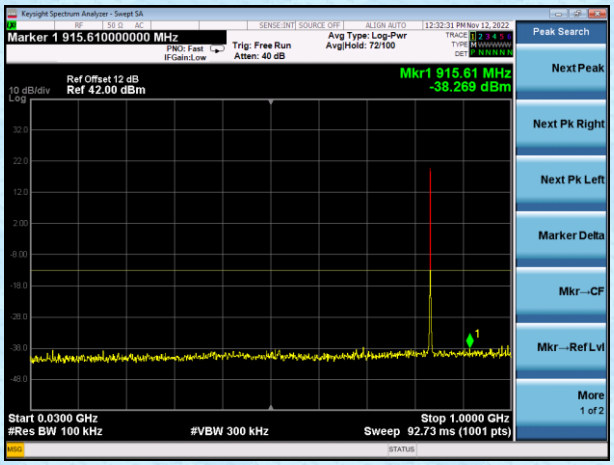
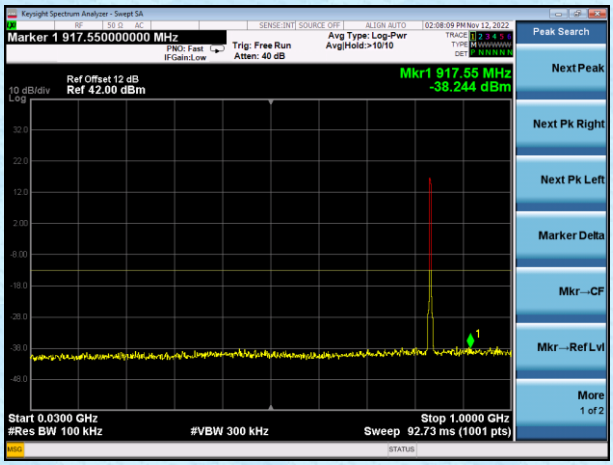
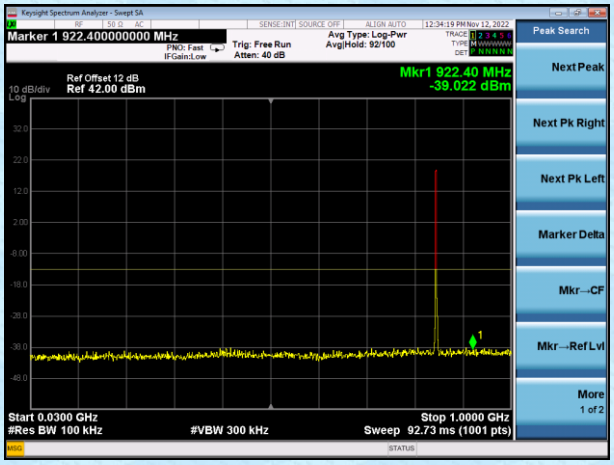
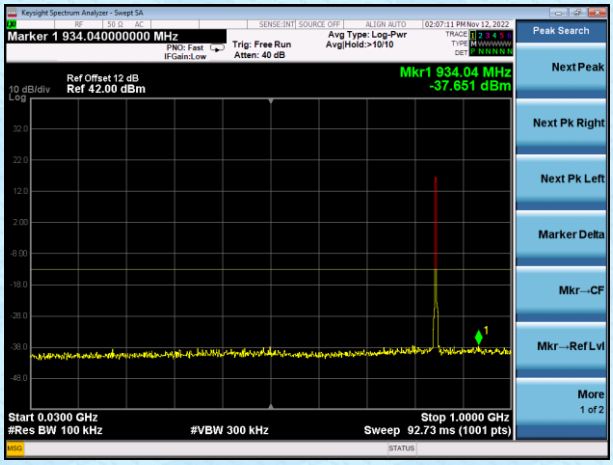


High Channel

Measurement Data Below 1GHz:

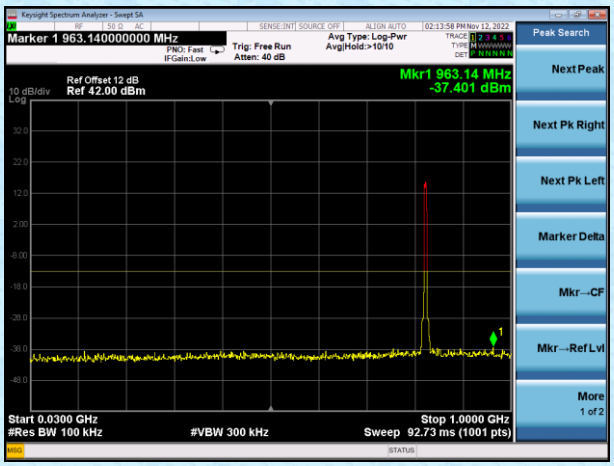
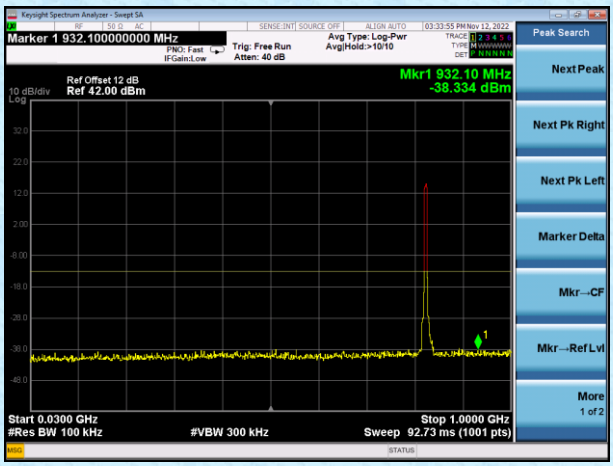
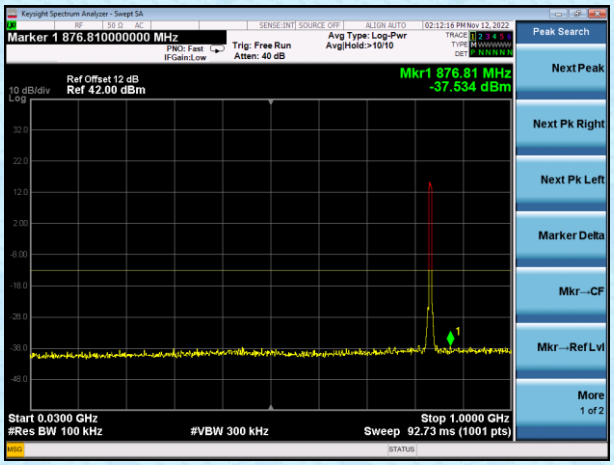
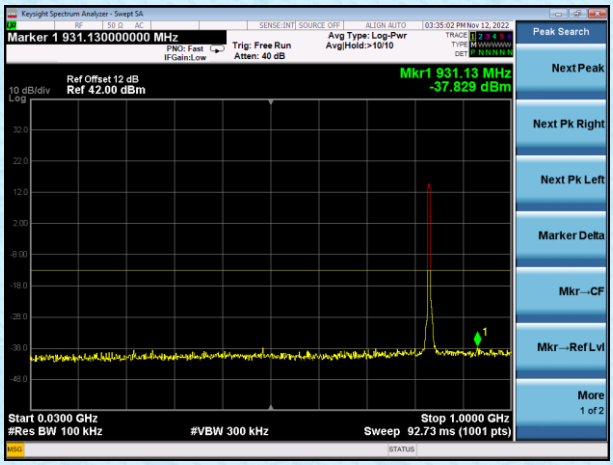
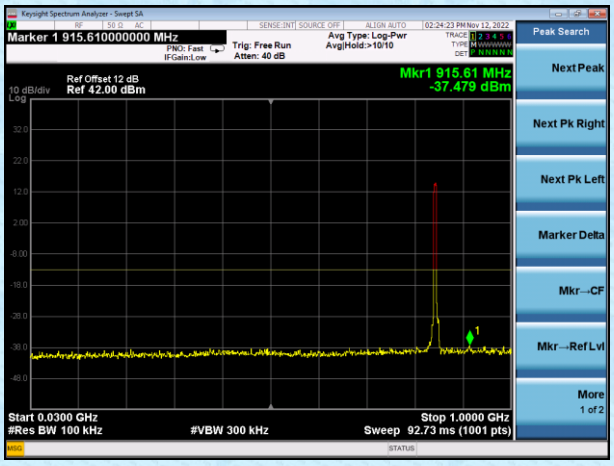
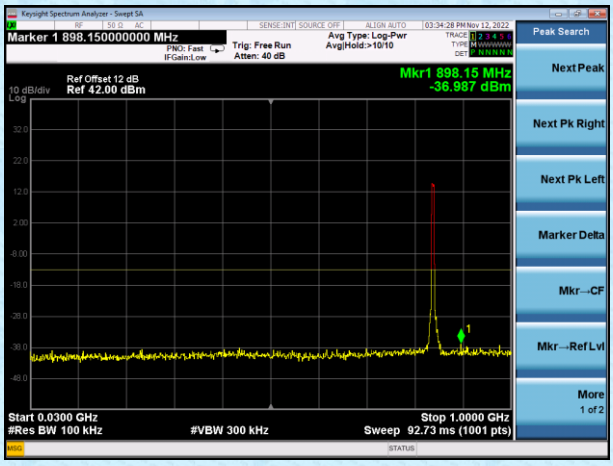
We test all test mode and record the worst case test mode in the report

LTE Band 5

1.4M Bandwidth QPSK	3M Bandwidth QPSK
	
Low Channel	Low Channel
	
Middle Channel	Middle Channel
	

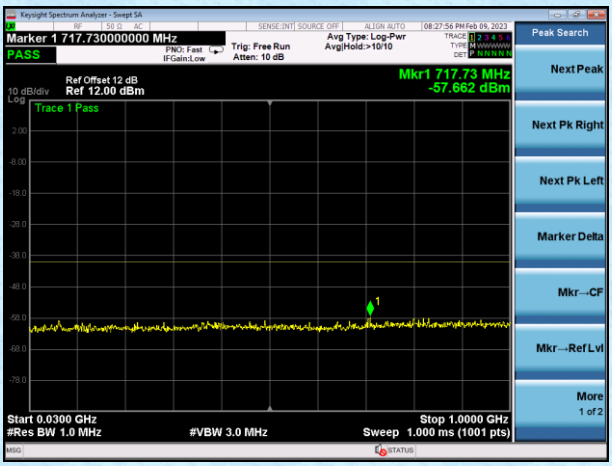
High Channel

High Channel

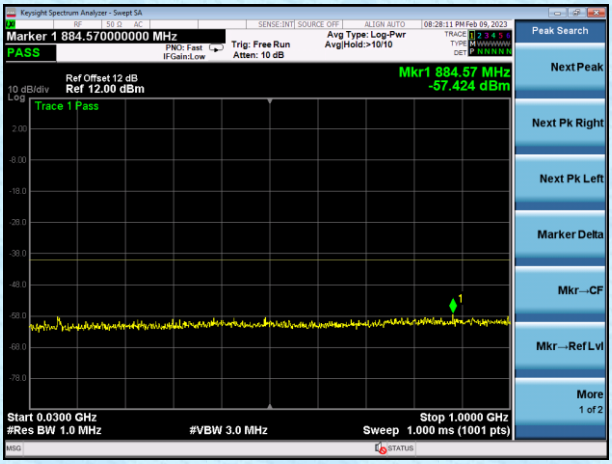
5M Bandwidth QPSK	10M Bandwidth QPSK
	
Low Channel	Low Channel
	
Middle Channel	Middle Channel
	
High Channel	High Channel

LTE Band 40 Lower

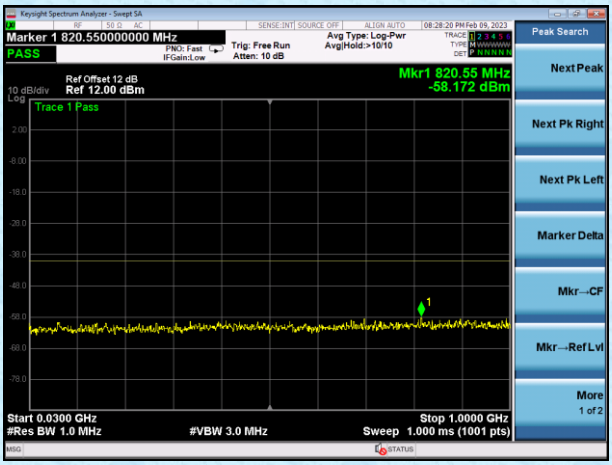
5M Bandwidth QPSK



Low Channel



Middle Channel



High Channel