20MHz+10MHz Channel Bandwidth
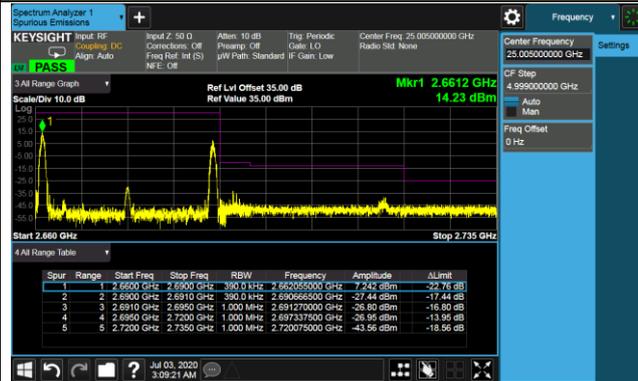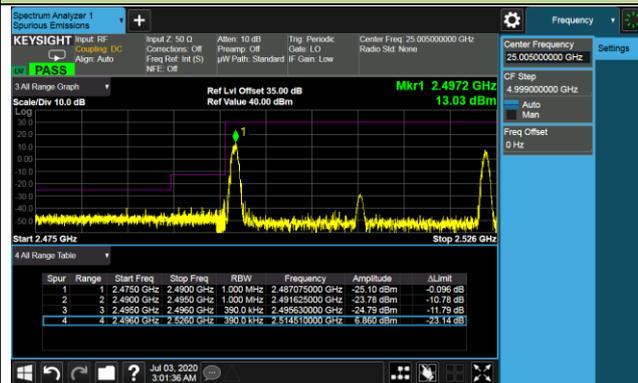
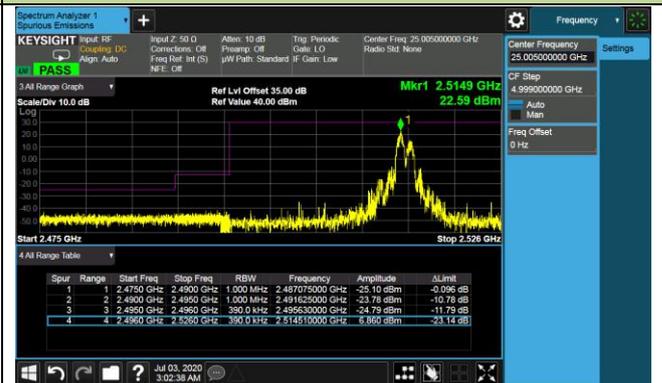| Lower ACP RB = 0 & 49	Lower ACP RB = 99 & 0

Upper ACP RB = 0 & 49	Upper ACP RB = 99 & 0

20MHz+15MHz Channel Bandwidth
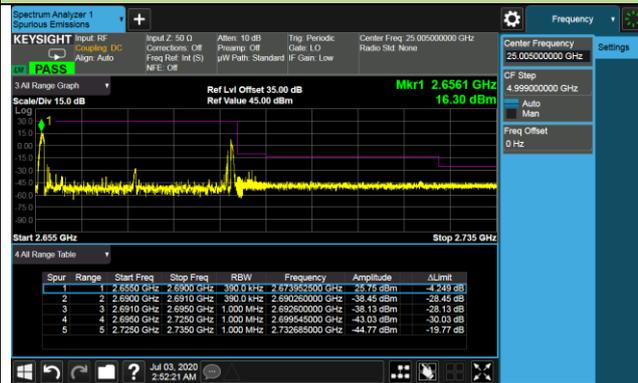
Lower ACP RB = 0 & 74	Lower ACP RB = 99 & 0

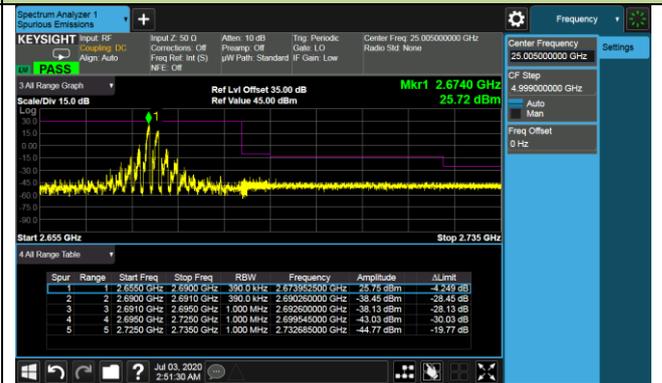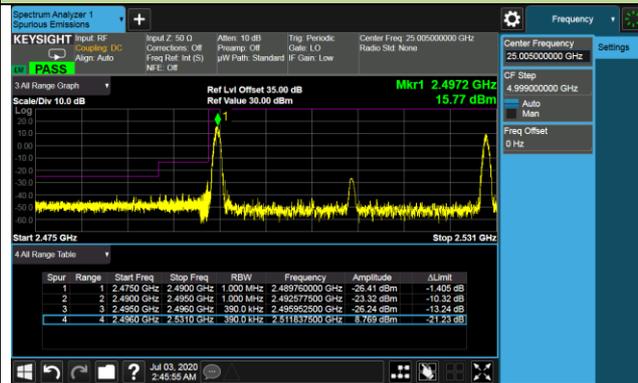| Upper ACP RB = 0 & 74	Upper ACP RB = 99 & 0

20MHz+20MHz Channel Bandwidth
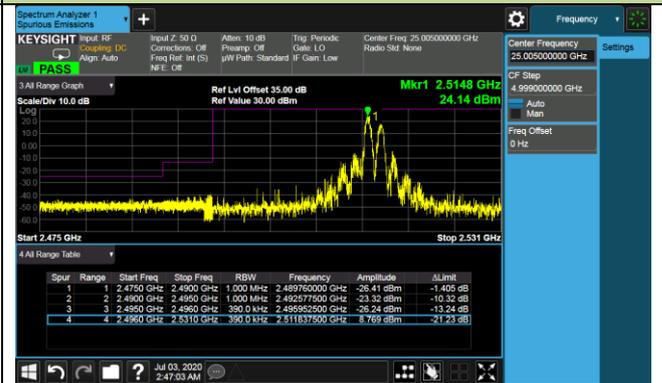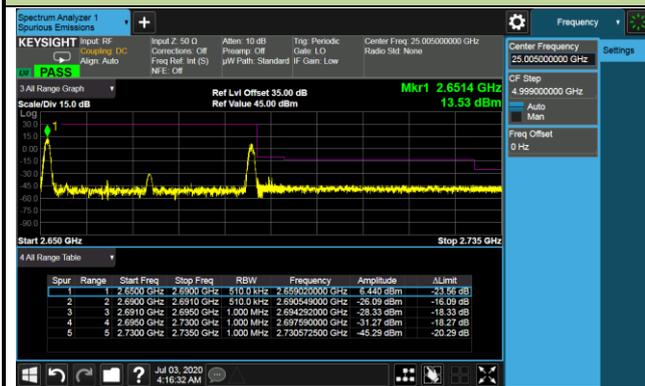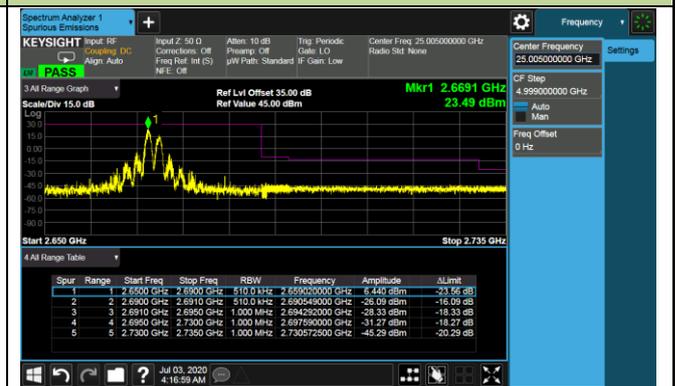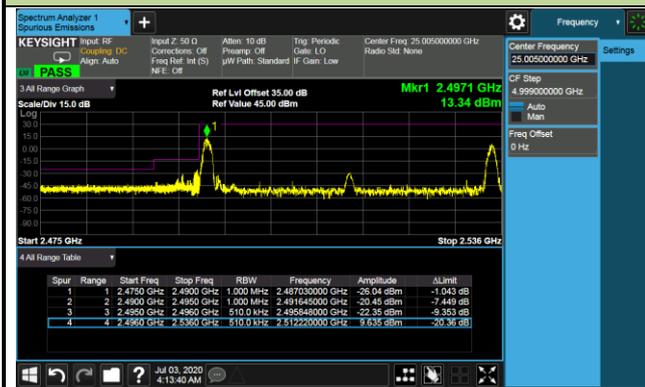
Lower ACP RB = 0 & 99

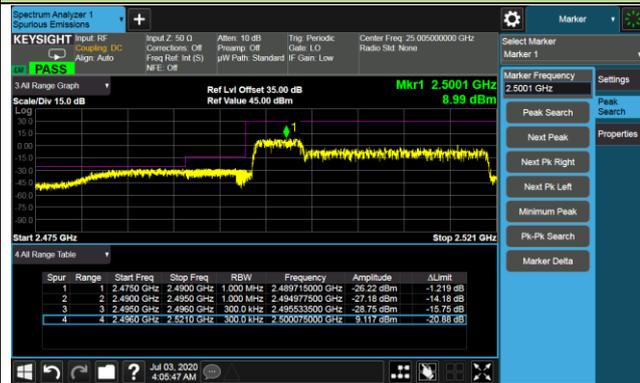### Lower ACP RB = 99 & 0

Upper ACP RB = 0 & 99

Upper ACP RB = 99 & 0

5MHz+20MHz Channel Bandwidth Full RB
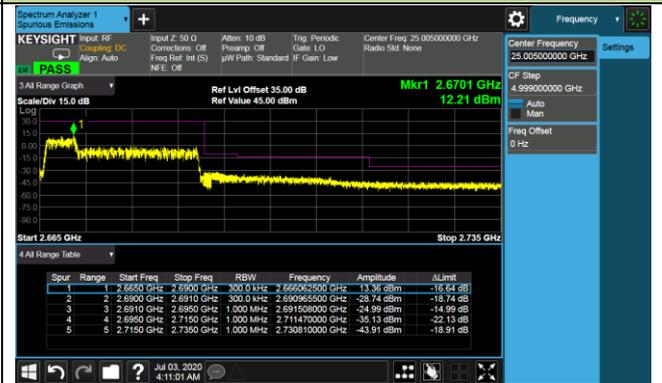
Lower ACP	Upper ACP

10MHz+15MHz Channel Bandwidth Full RB
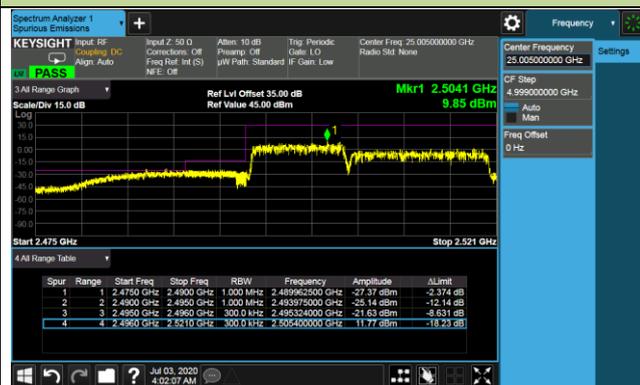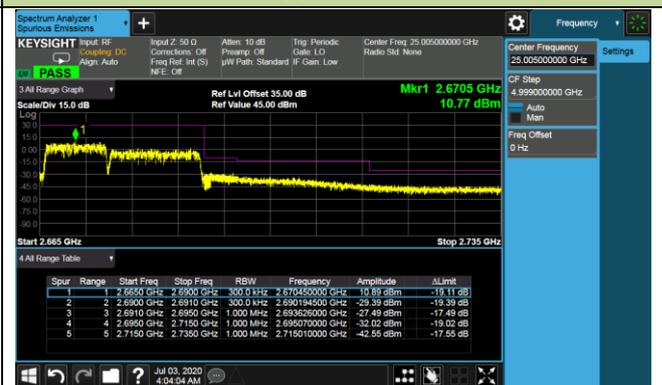
Lower ACP	Upper ACP

10MHz+20MHz Channel Bandwidth Full RB
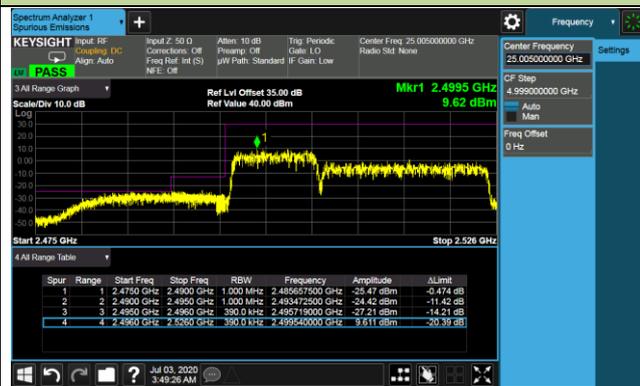
Lower ACP	Upper ACP

15MHz+10MHz Channel Bandwidth Full RB	
Lower ACP	Upper ACP
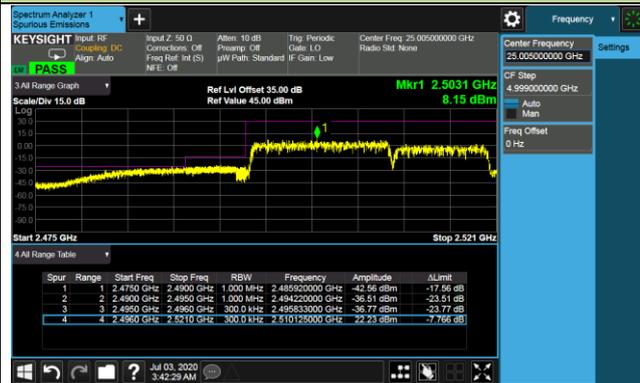
15MHz+15MHz Channel Bandwidth Full RB	
Lower ACP	Upper ACP
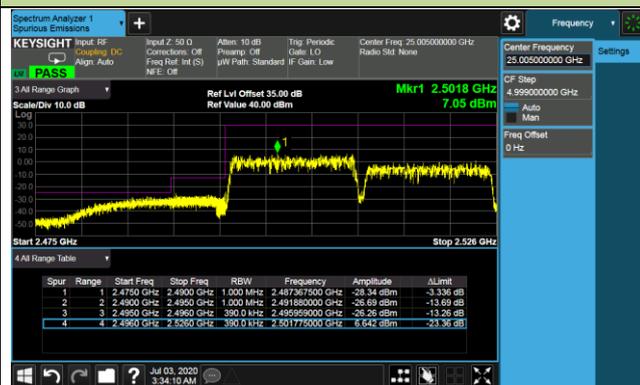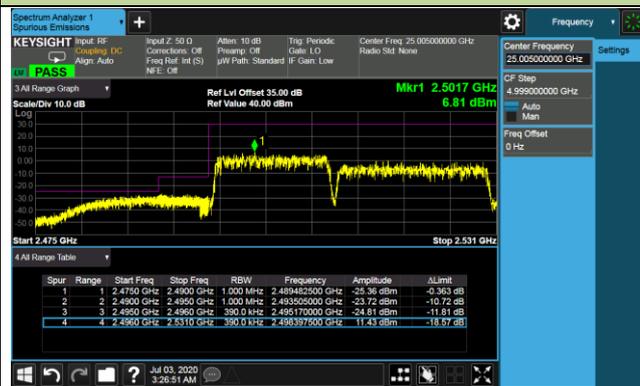
15MHz+20MHz Channel Bandwidth Full RB	
Lower ACP	Upper ACP

20MHz+5MHz Channel Bandwidth Full RB	
Lower ACP	Upper ACP

20MHz+10MHz Channel Bandwidth Full RB	
Lower ACP	Upper ACP
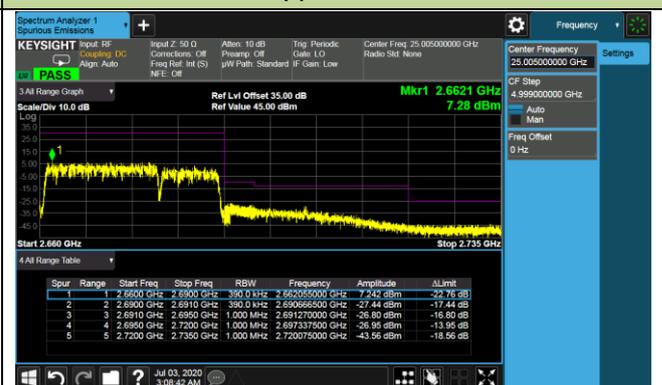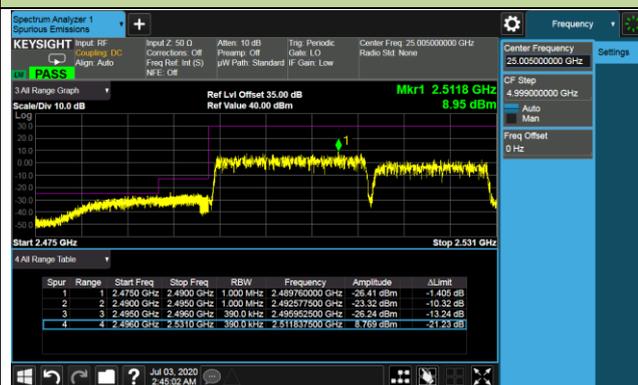
20MHz+15MHz Channel Bandwidth Full RB	
Lower ACP	Upper ACP
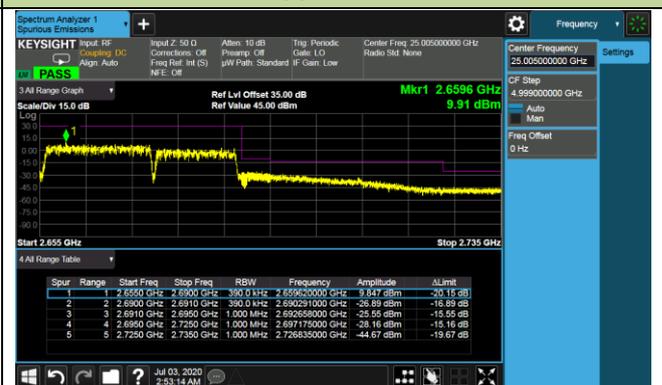
20MHz+20MHz Channel Bandwidth Full RB
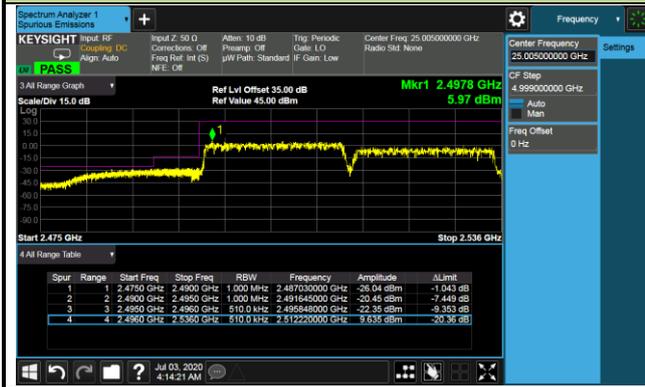
Lower ACP	Upper ACP

Product	LTE-A Cat 16 M.2 Module	Test Engineer	Gordon Qi
Test Date	2020/08/09	Test Site	SR6
Test Band	Band 41 For HPUE	Test Result	Pass
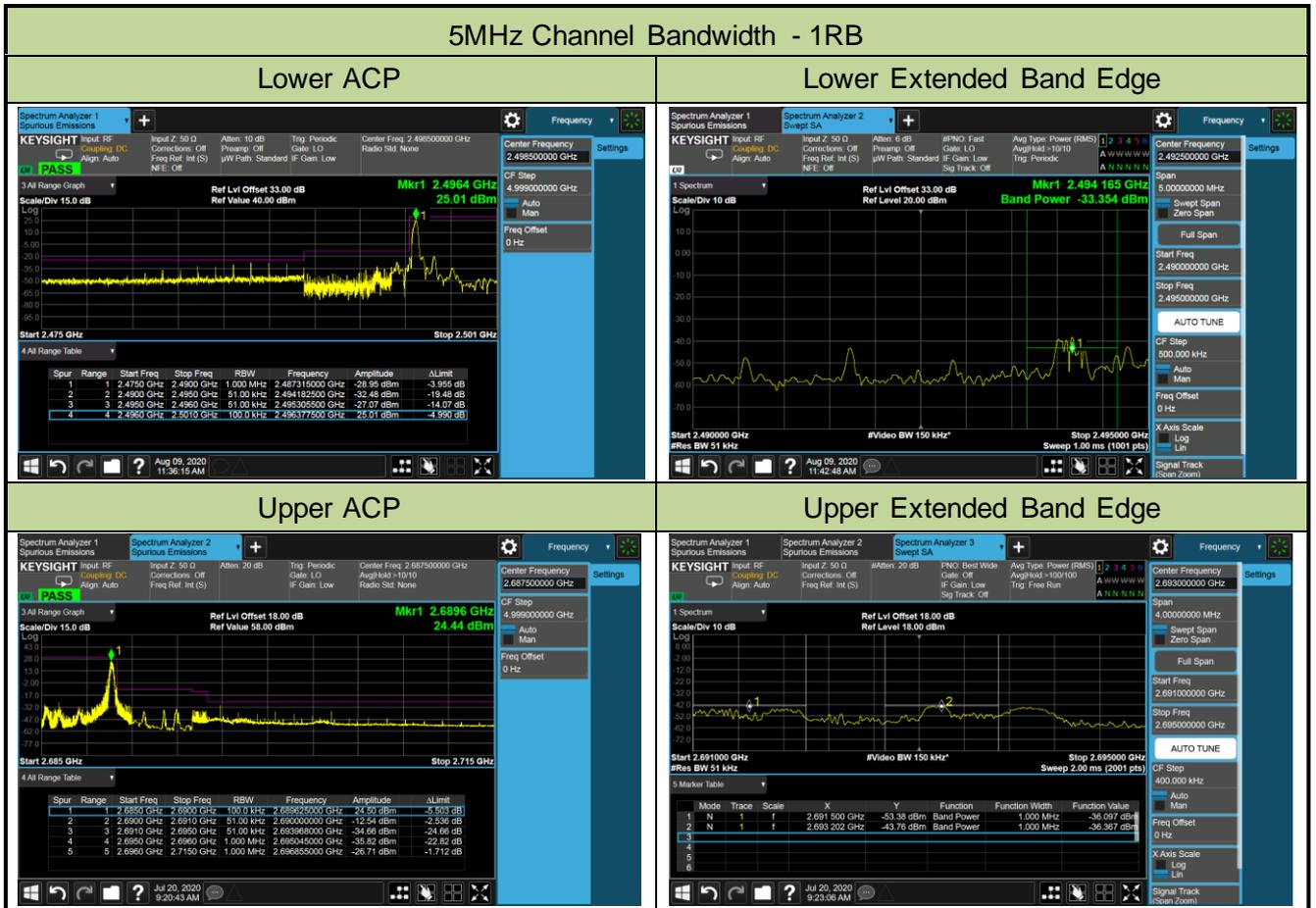
5MHz Channel Bandwidth - 1RB	
Lower ACP	Lower Extended Band Edge
Upper ACP	Upper Extended Band Edge

10MHz Channel Bandwidth - 1RB
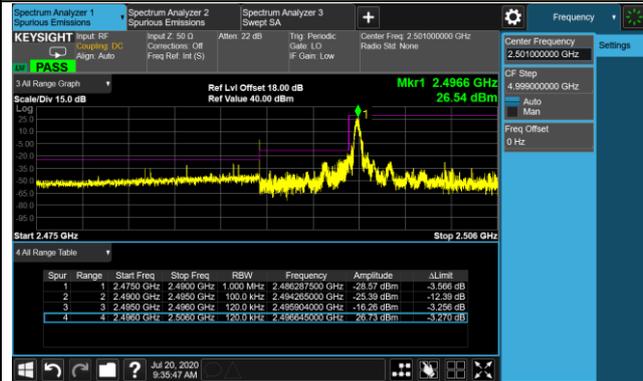
Lower ACP	Lower Extended Band Edge

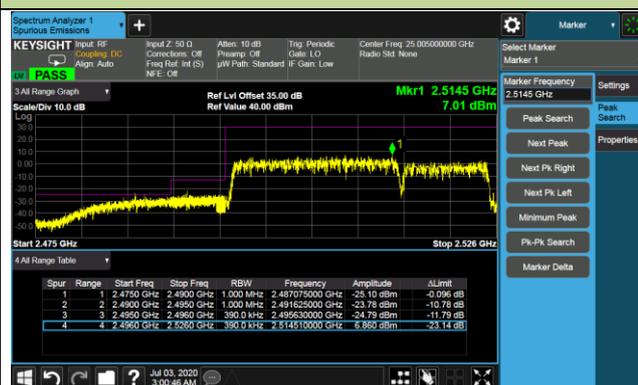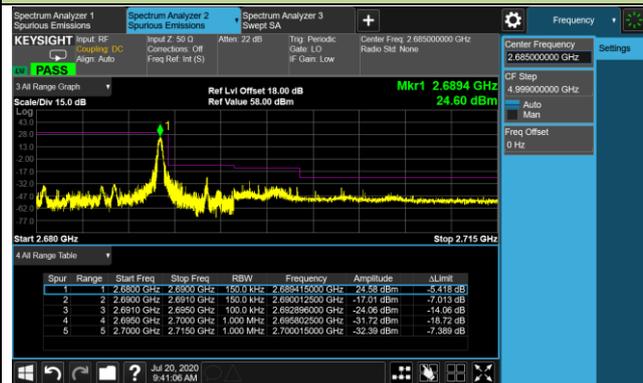| Upper ACP	Upper Extended Band Edge

15MHz Channel Bandwidth - 1RB
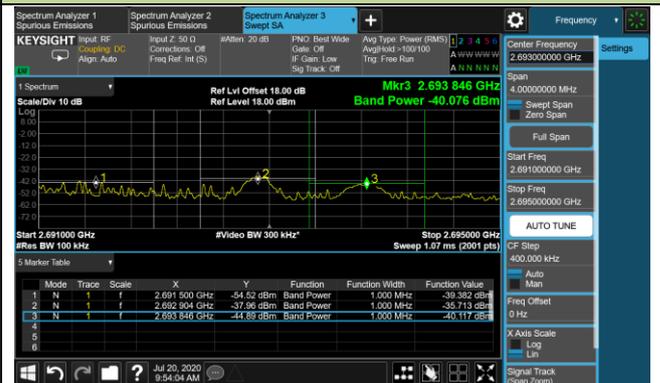
Lower ACP	Upper ACP
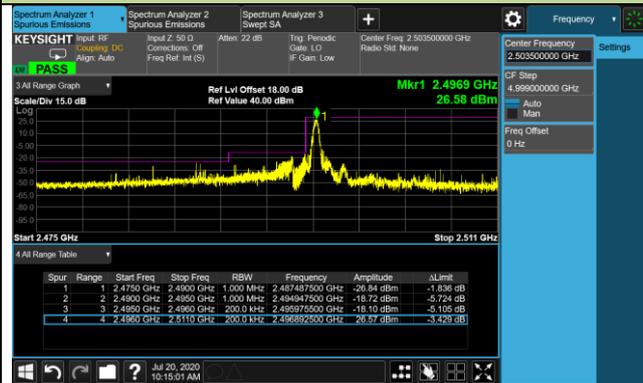
20MHz Channel Bandwidth - 1RB	
Lower ACP	Upper ACP
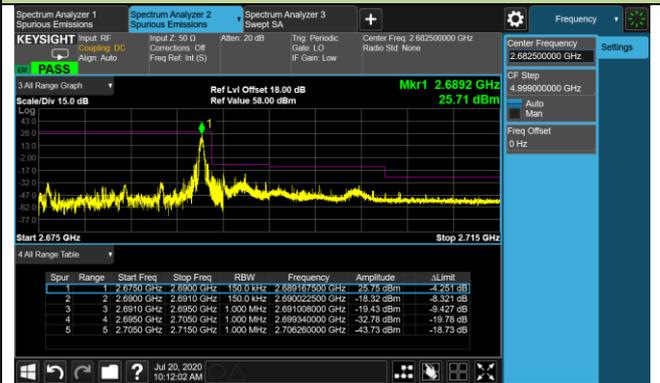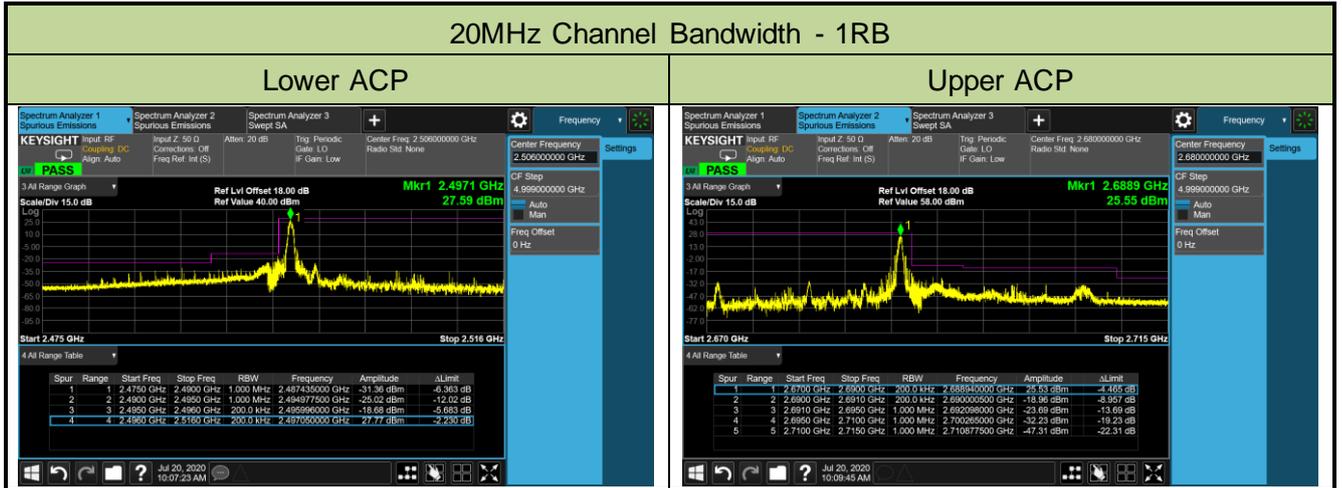
5MHz Channel Bandwidth - Full RB	
Lower ACP	
Upper ACP	Upper Extended Band Edge
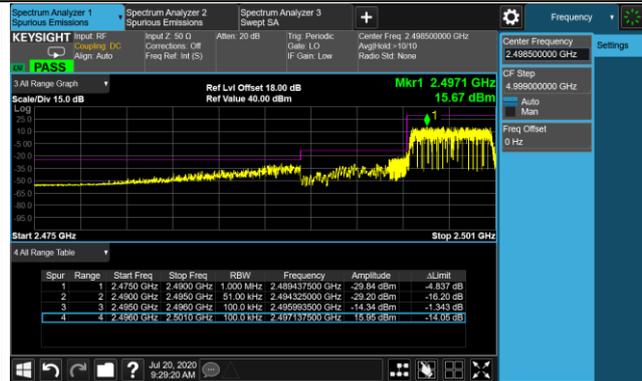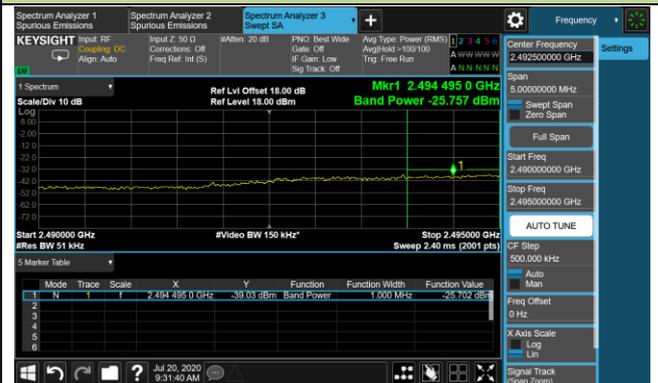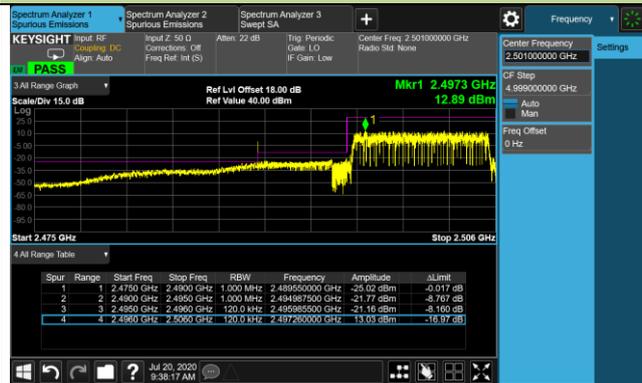
10MHz Channel Bandwidth - Full RB	
Lower ACP	Upper ACP
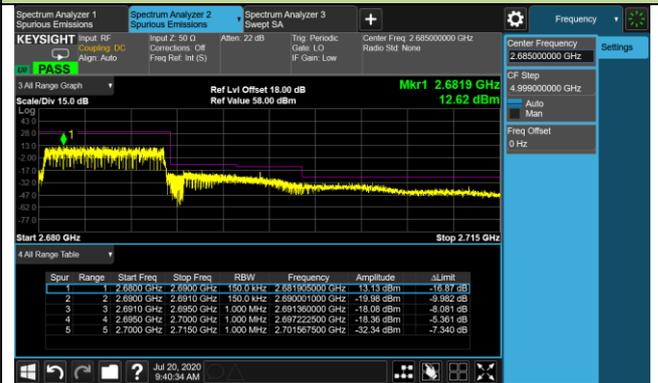
15MHz Channel Bandwidth - Full RB

Lower ACP
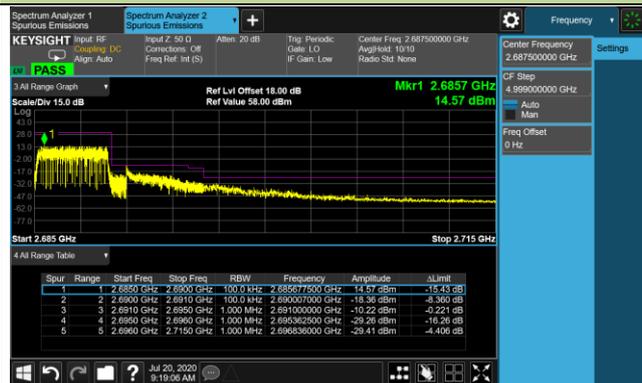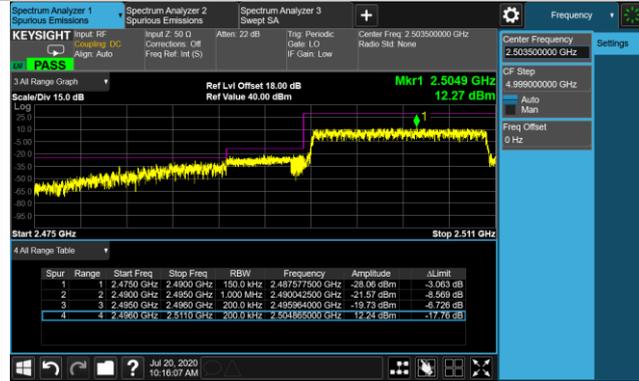

Lower Extended Band Edge
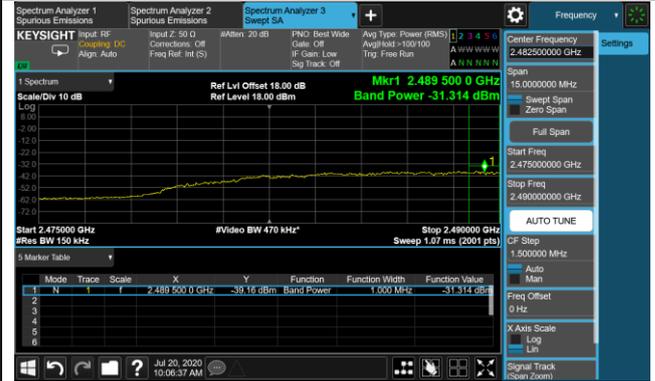
Upper ACP

20MHz Channel Bandwidth - Full RB

Lower ACP
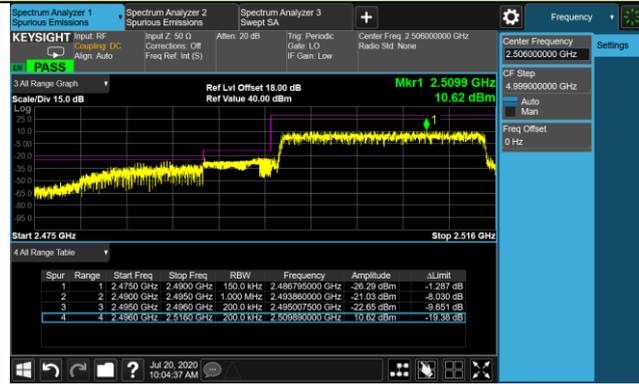
Upper ACP
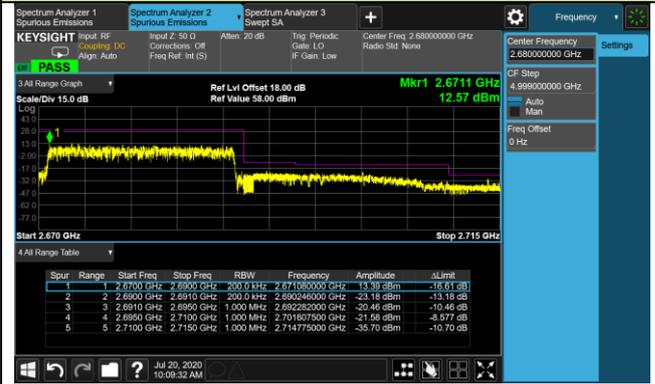
5.6. Peak to Average Ratio

5.6.1. Test Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

5.6.2. Test Procedure Used

ANSI C63.26-2015 - Section 5.2.3.4 (CCDF).

5.6.3. Test Setting

1. Set the resolution / measurement bandwidth ≥ signal's occupied bandwidth
2. Set the number of counts to a value that stabilizes the measured CCDF curve
3. Record the maximum PARR level associated with a probability of 0.1%

5.6.4. Test Setup

5.6.5. Test Result

Product	LTE-A Cat 16 M.2 Module	Test Engineer	Candy Luo
Test Date	2020/06/19	Test Site	SR6
Test Band	Band 2/25	Test Result	Pass

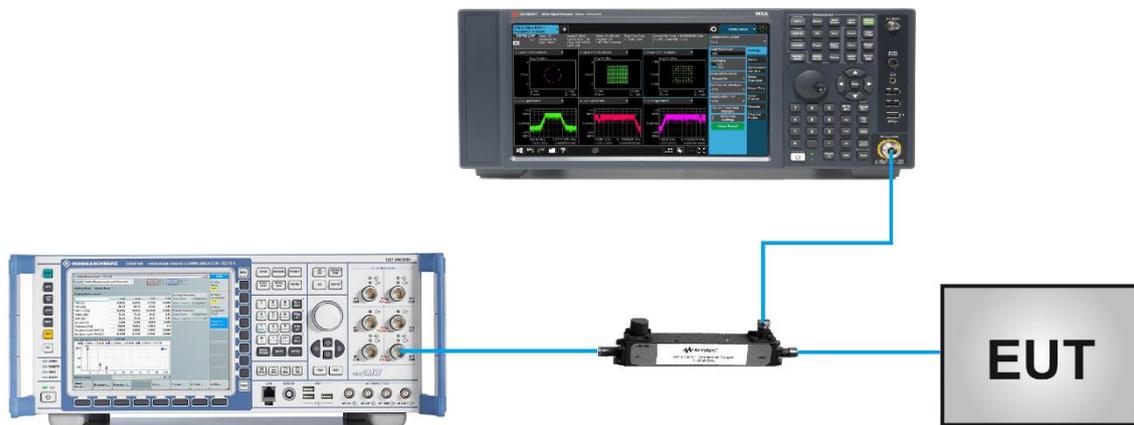| Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
26365	1882.5	20	5.12	≤ 13.00	Pass
16QAM					
26365	1882.5	20	5.90	≤ 13.00	Pass
64QAM					
26365	1882.5	20	6.54	≤ 13.00	Pass
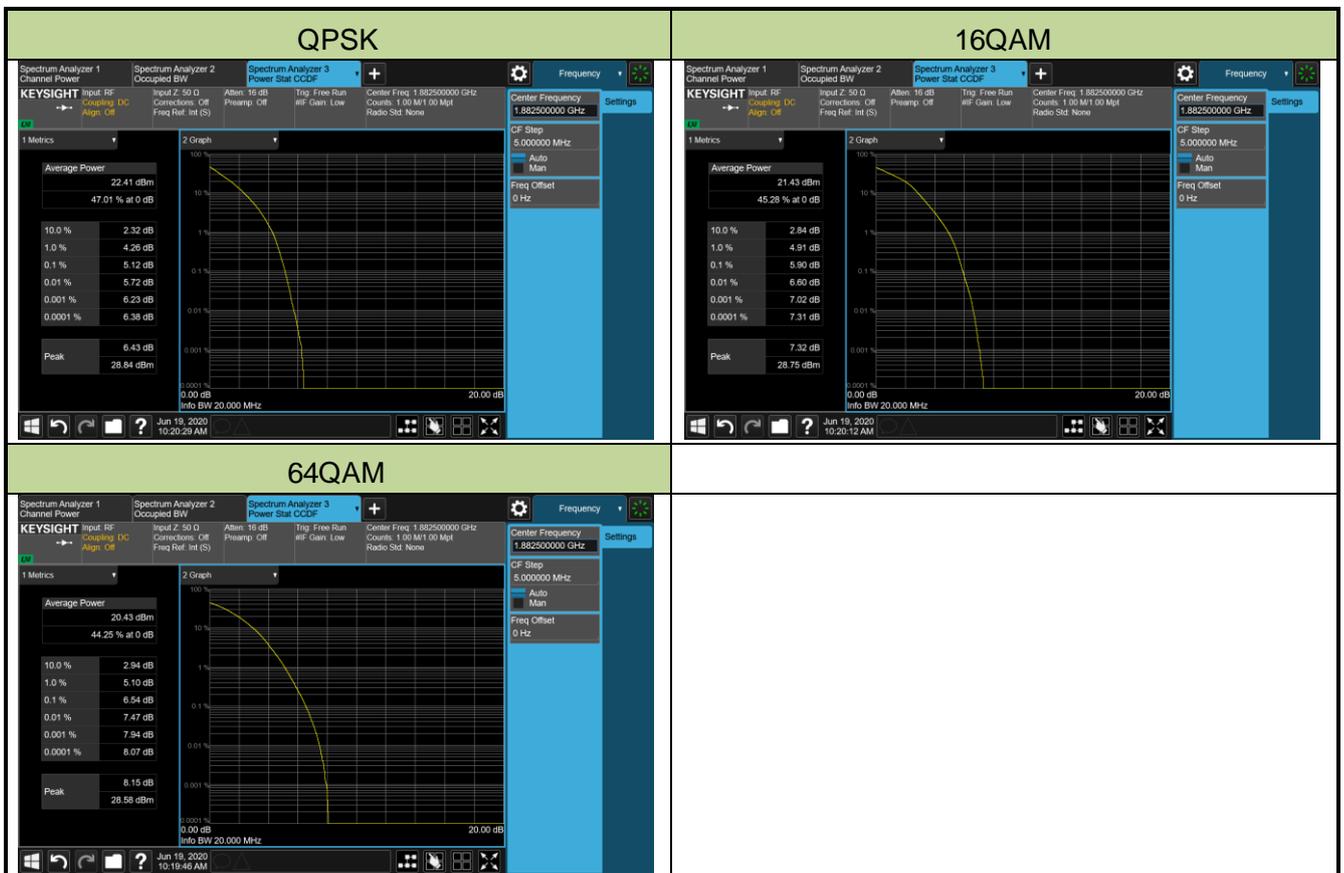
QPSK	16QAM

64QAM	

Product	LTE-A Cat 16 M.2 Module	Test Engineer	Candy Luo
Test Date	2020/06/19	Test Site	SR6
Test Band	Band 4/66	Test Result	Pass

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
132322	1745.0	20	5.32	≤ 13.00	Pass
16QAM					
132322	1745.0	20	6.57	≤ 13.00	Pass
64QAM					
132322	1745.0	20	6.03	≤ 13.00	Pass

QPSK	16QAM

64QAM	