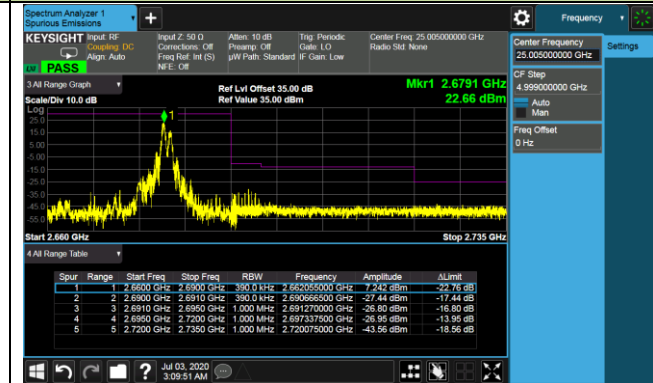
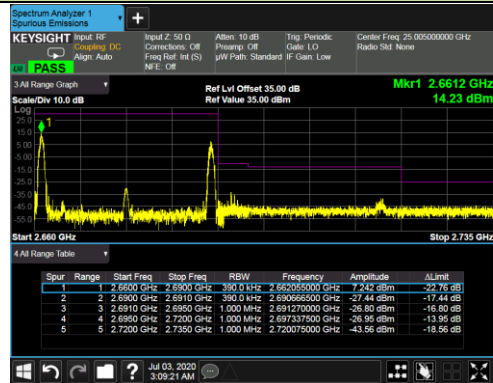


20MHz+10MHz Channel Bandwidth

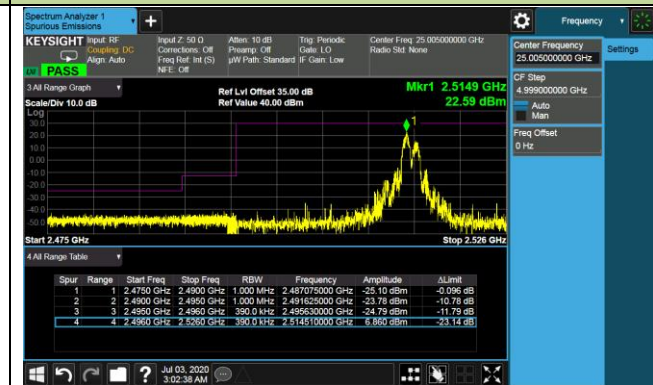
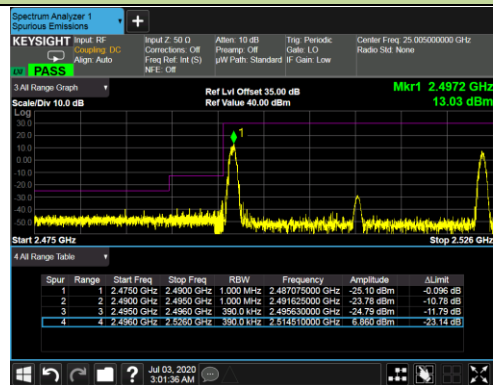
Lower ACP RB = 0 & 49

Lower ACP RB = 99 & 0



Upper ACP RB = 0 & 49

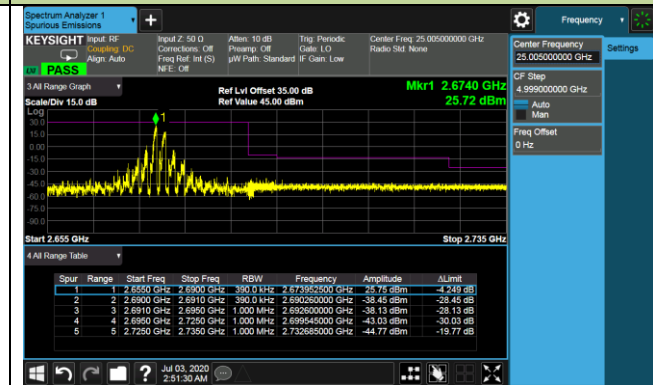
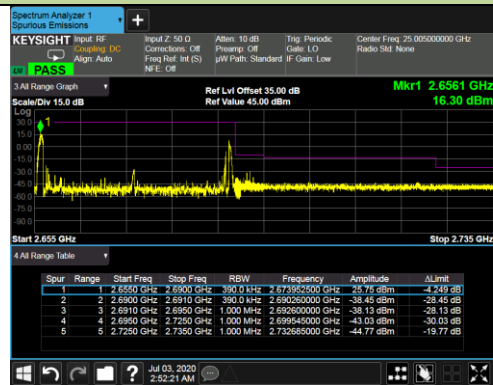
Upper ACP RB = 99 & 0



20MHz+15MHz Channel Bandwidth

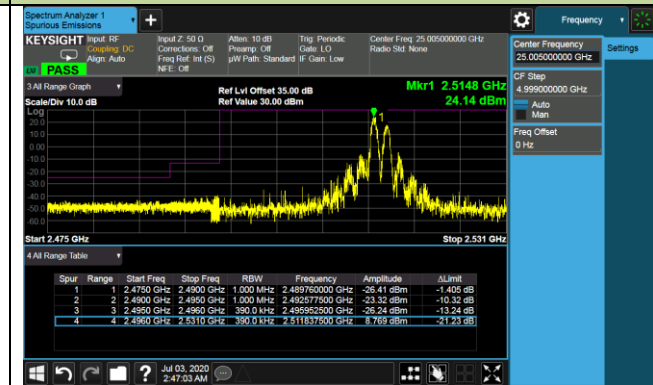
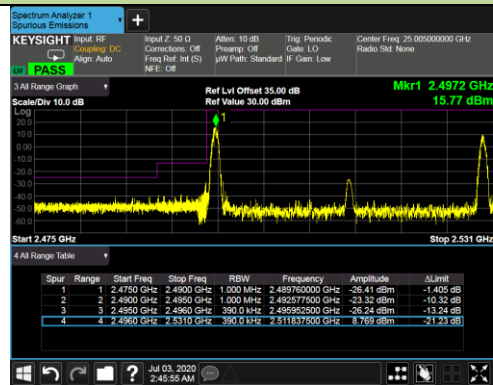
Lower ACP RB = 0 & 74

Lower ACP RB = 99 & 0



Upper ACP RB = 0 & 74

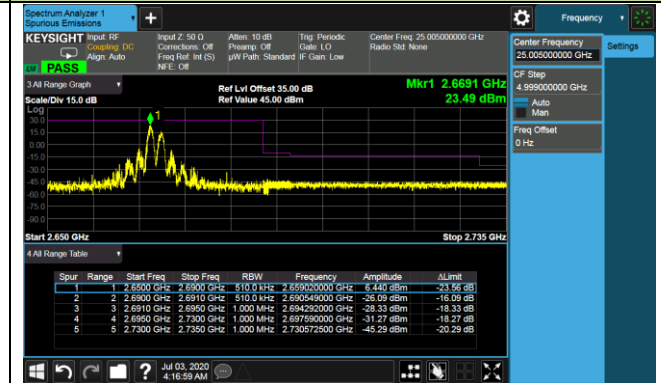
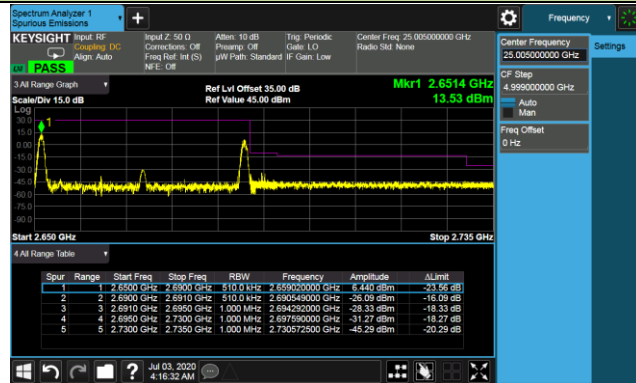
Upper ACP RB = 99 & 0



20MHz+20MHz Channel Bandwidth

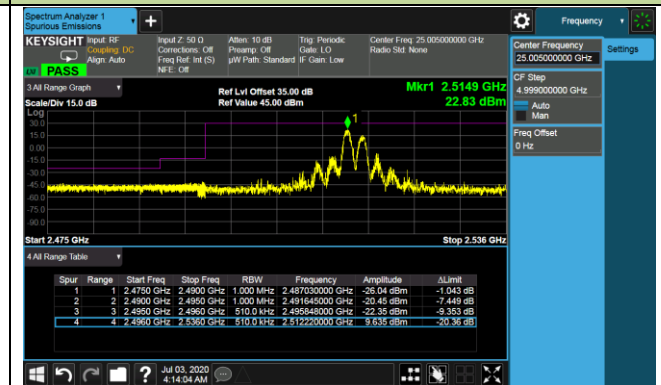
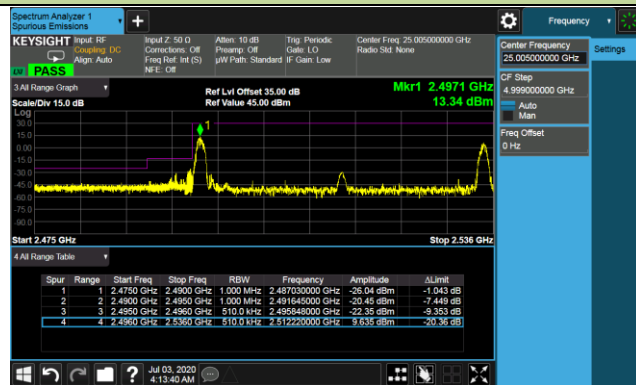
Lower ACP RB = 0 & 99

Lower ACP RB = 99 & 0



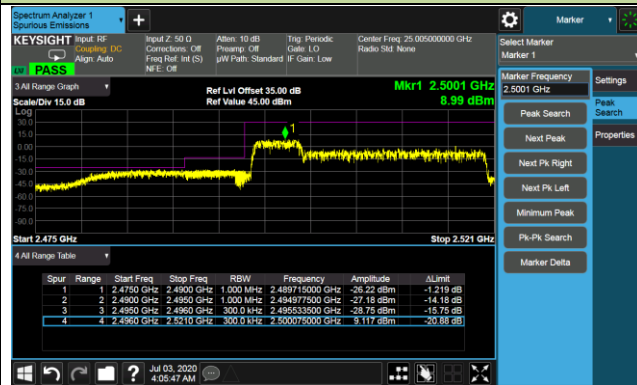
Upper ACP RB = 0 & 99

Upper ACP RB = 99 & 0

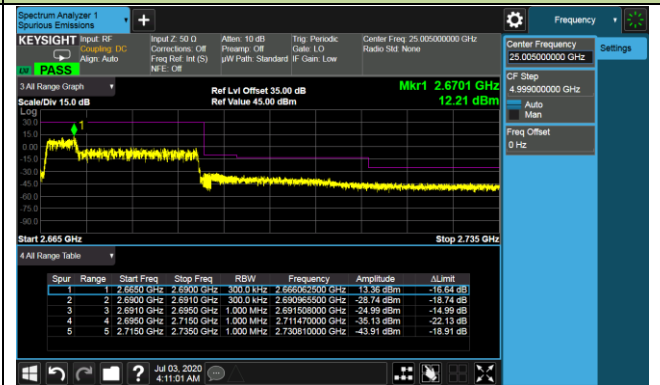


5MHz+20MHz Channel Bandwidth Full RB

Lower ACP

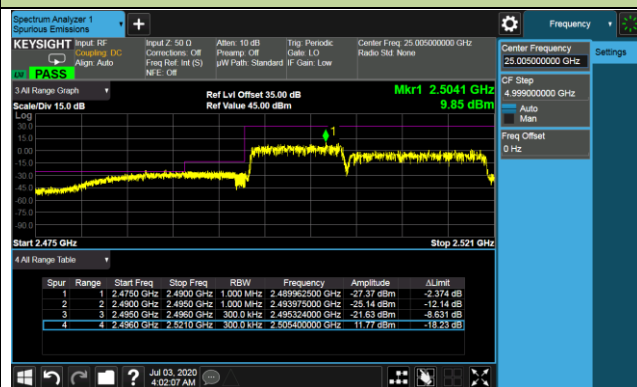


Upper ACP

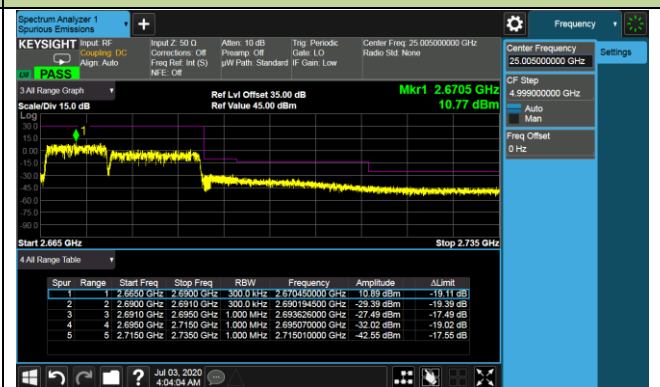


10MHz+15MHz Channel Bandwidth Full RB

Lower ACP

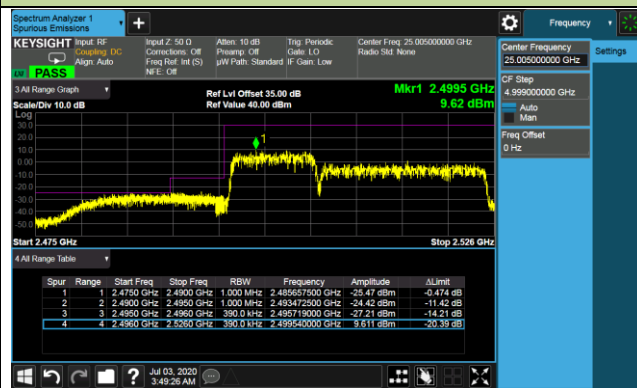


Upper ACP

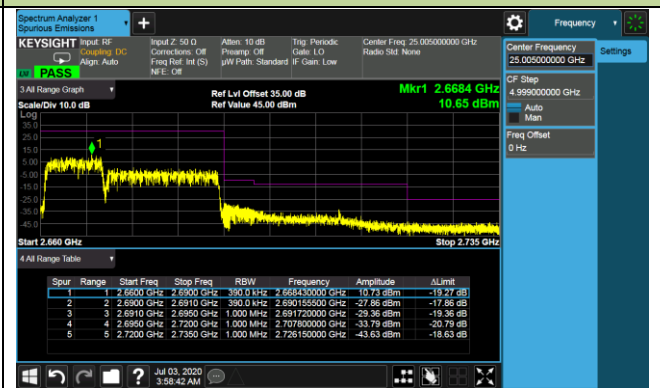


10MHz+20MHz Channel Bandwidth Full RB

Lower ACP

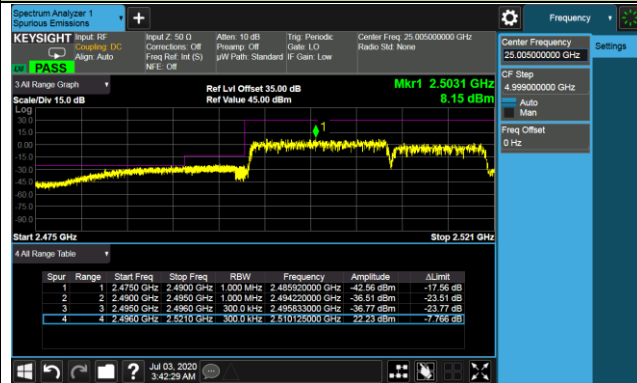


Upper ACP

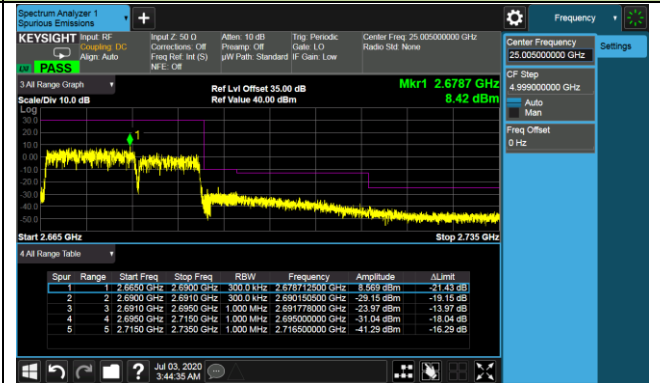


15MHz+10MHz Channel Bandwidth Full RB

Lower ACP

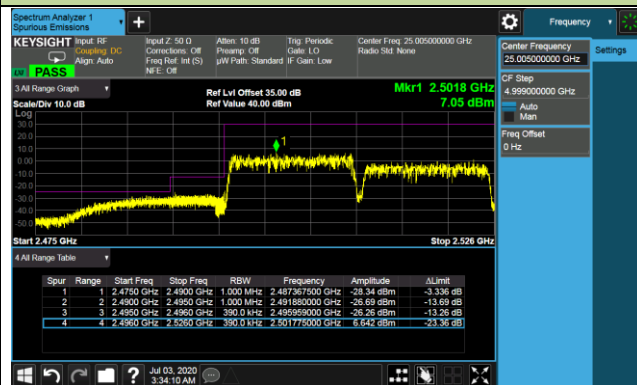


Upper ACP



15MHz+15MHz Channel Bandwidth Full RB

Lower ACP

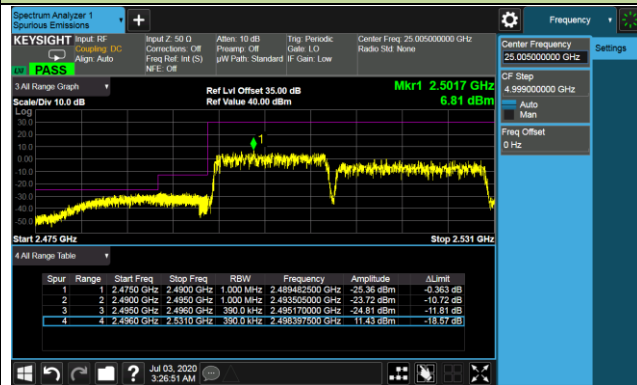


Upper ACP

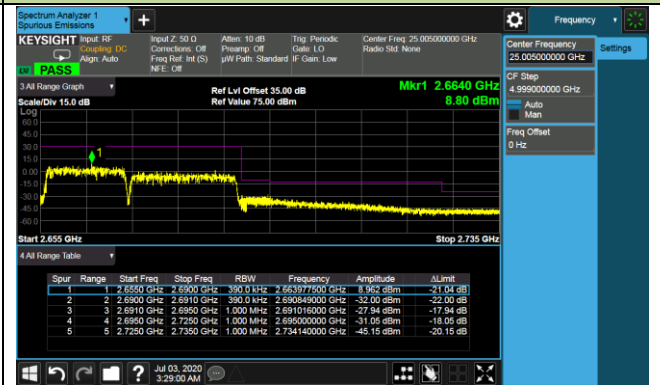


15MHz+20MHz Channel Bandwidth Full RB

Lower ACP

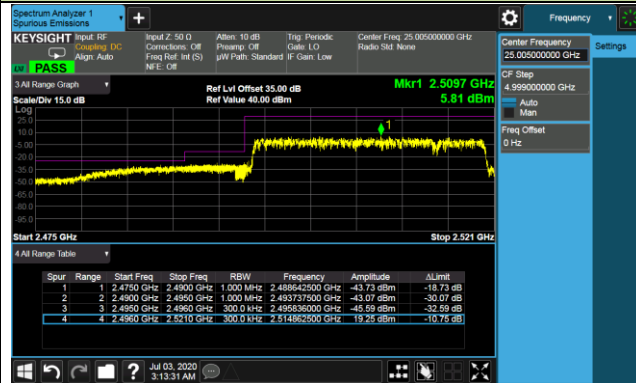


Upper ACP

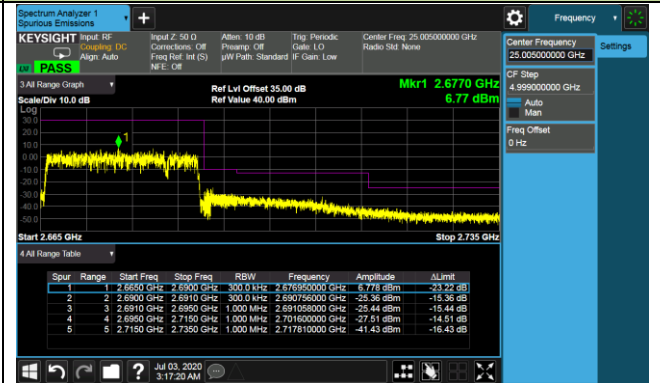


20MHz+5MHz Channel Bandwidth Full RB

Lower ACP



Upper ACP



20MHz+10MHz Channel Bandwidth Full RB

Lower ACP

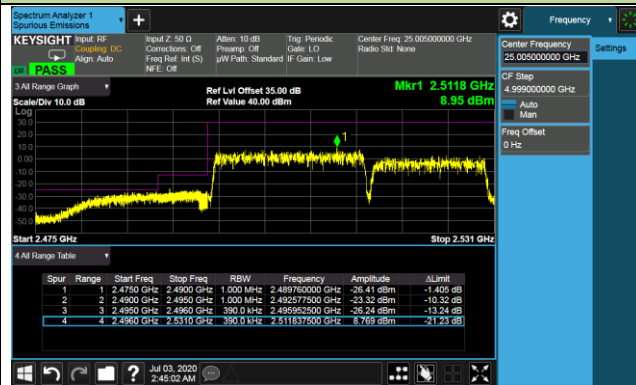


Upper ACP



20MHz+15MHz Channel Bandwidth Full RB

Lower ACP

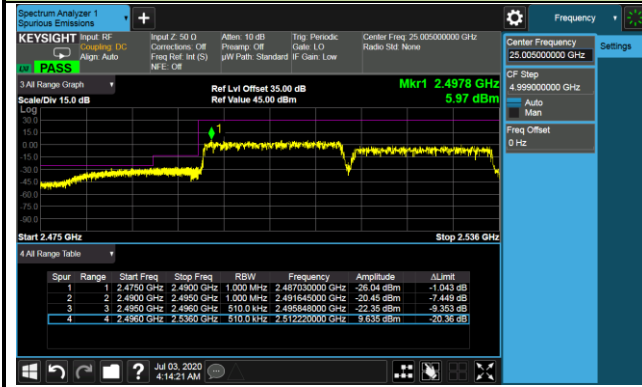


Upper ACP



20MHz+20MHz Channel Bandwidth Full RB

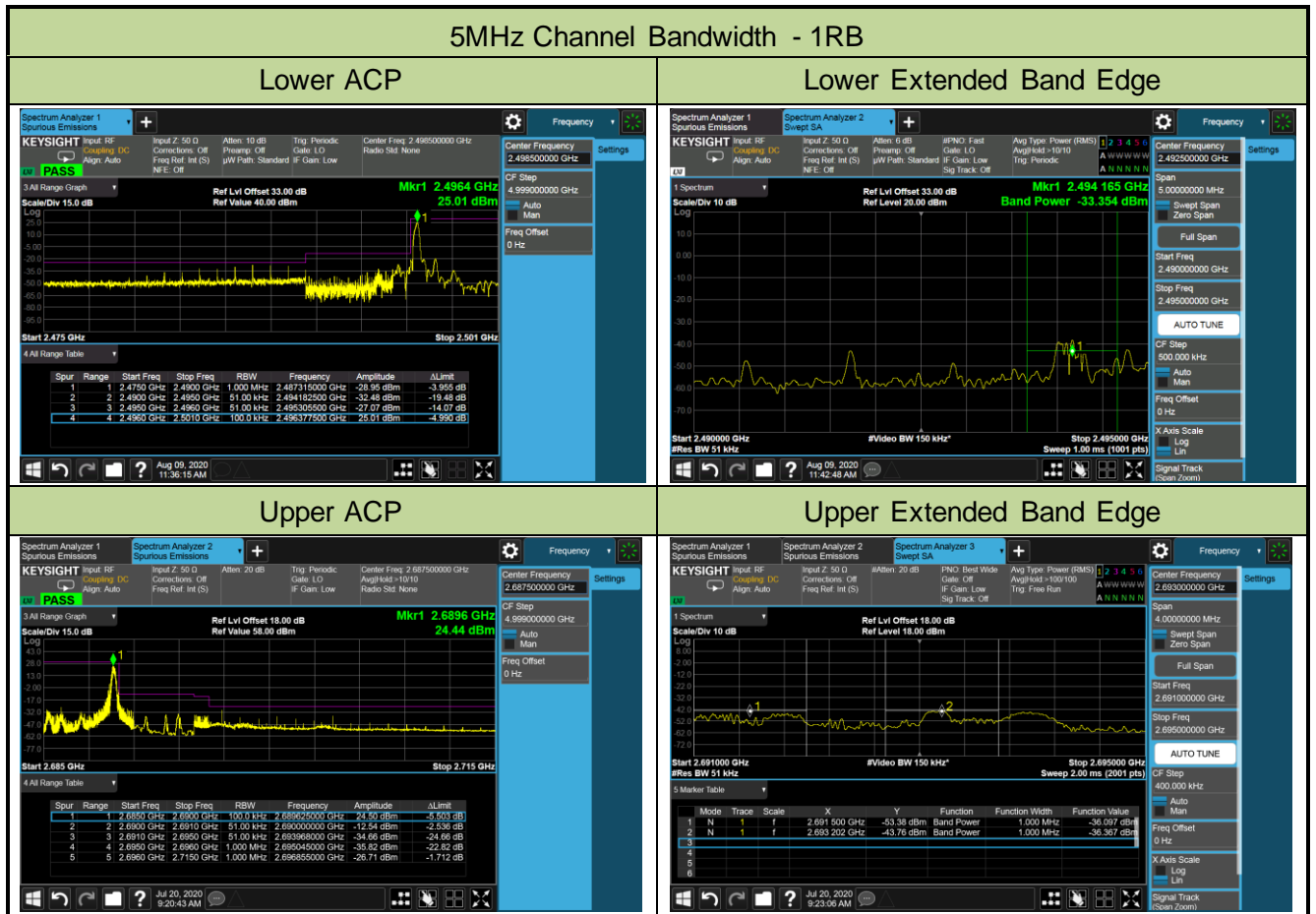
Lower ACP



Upper ACP

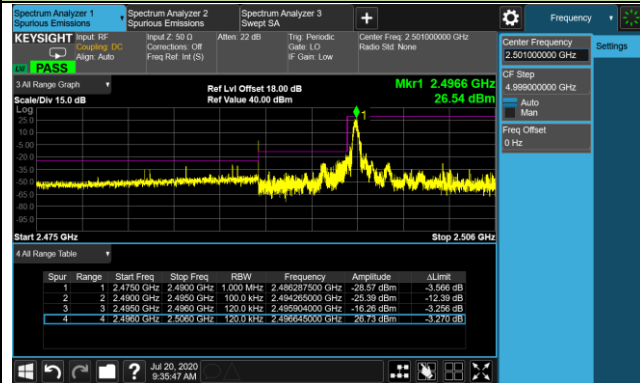


Product	LTE-A Cat 16 M.2 Module	Test Engineer	Gordon Qi
Test Date	2020/08/09	Test Site	SR6
Test Band	Band 41 For HPUE	Test Result	Pass

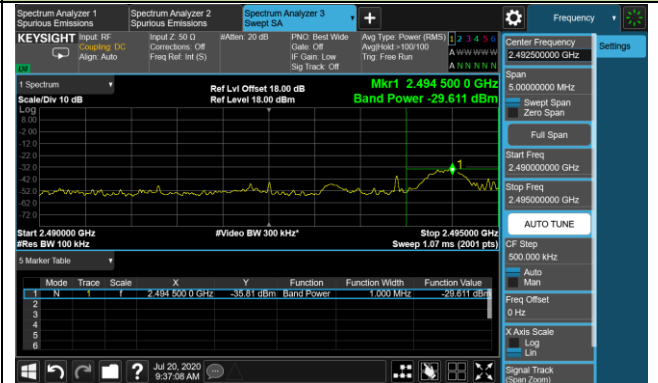


10MHz Channel Bandwidth - 1RB

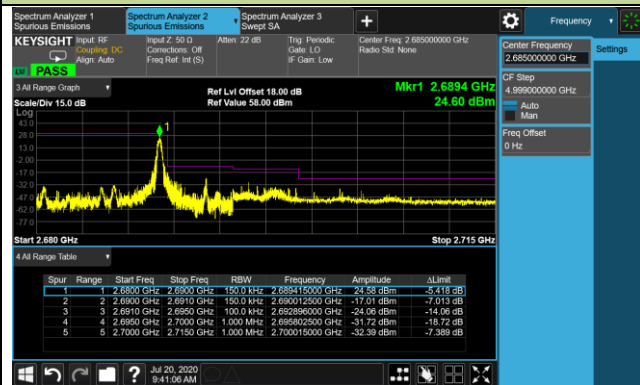
Lower ACP



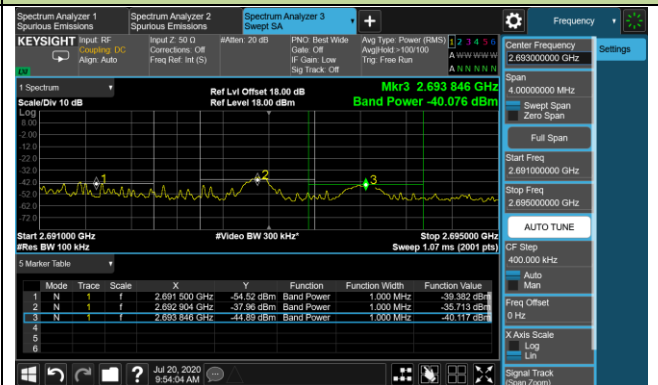
Lower Extended Band Edge



Upper ACP

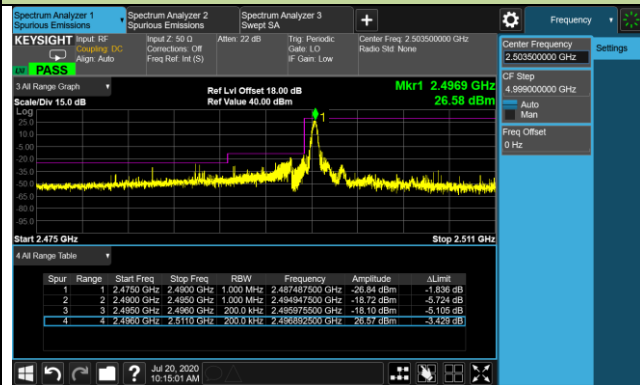


Upper Extended Band Edge

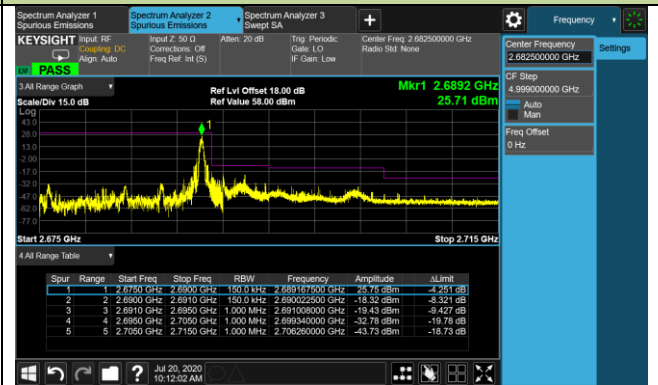


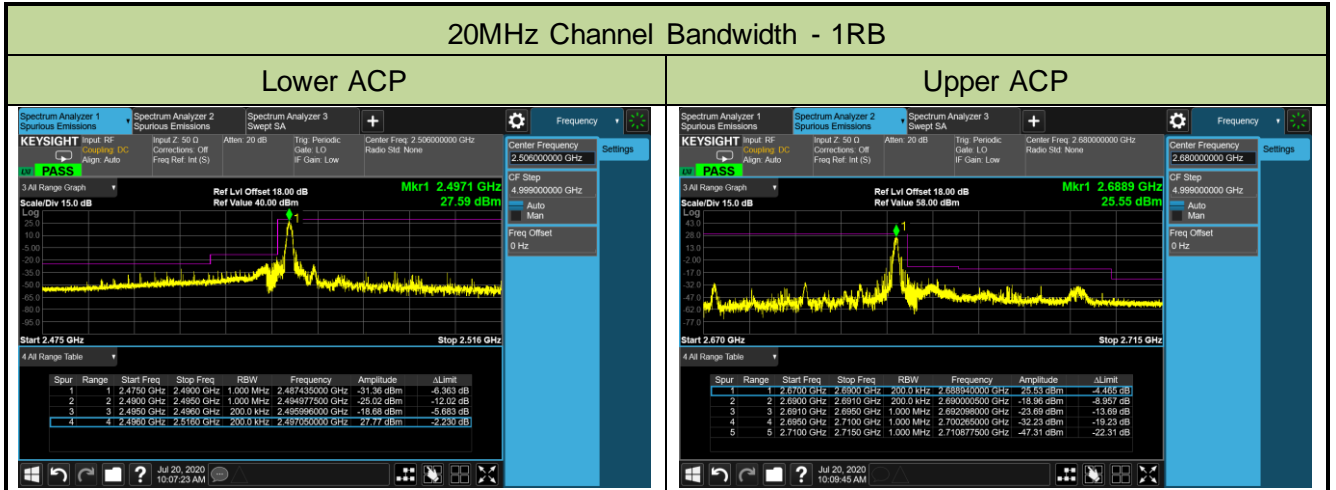
15MHz Channel Bandwidth - 1RB

Lower ACP



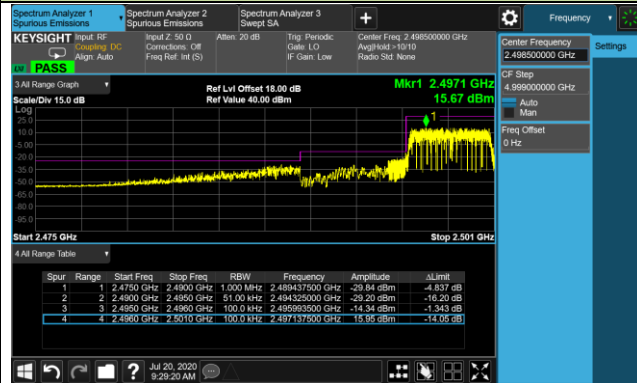
Upper ACP



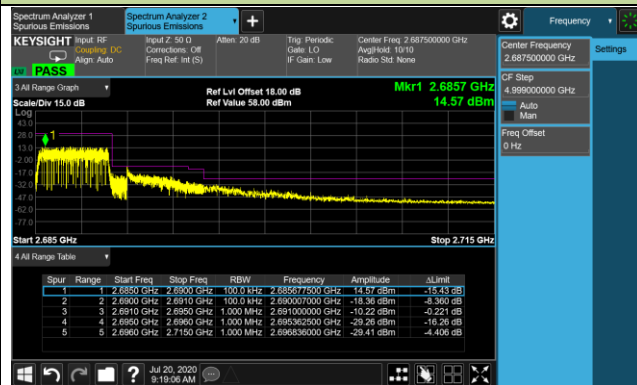


5MHz Channel Bandwidth - Full RB

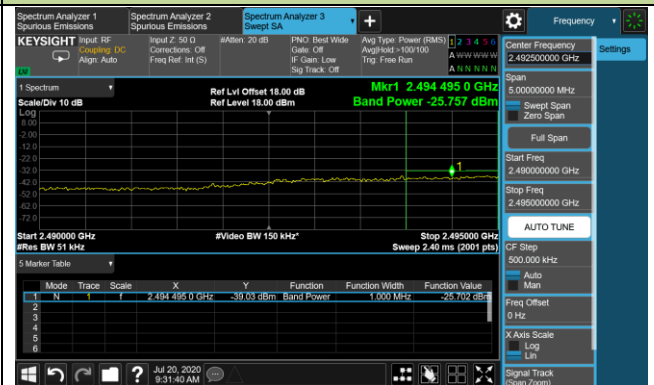
Lower ACP



Upper ACP

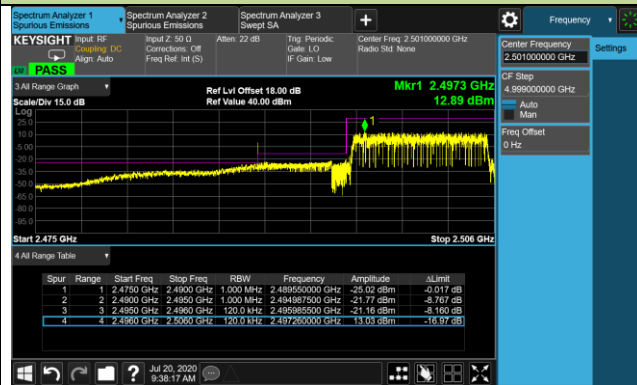


Upper Extended Band Edge

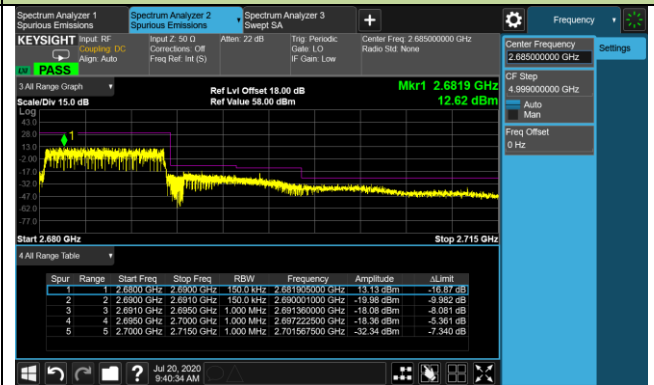


10MHz Channel Bandwidth - Full RB

Lower ACP

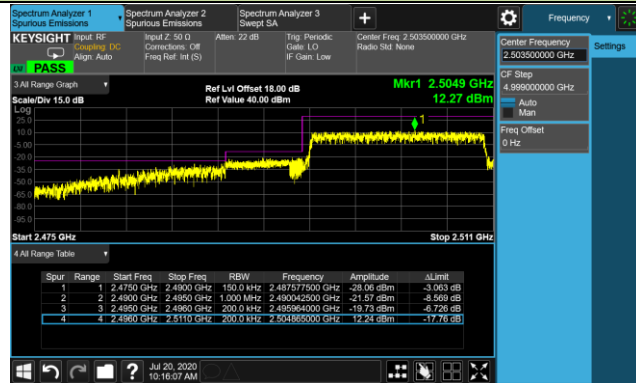


Upper ACP



15MHz Channel Bandwidth - Full RB

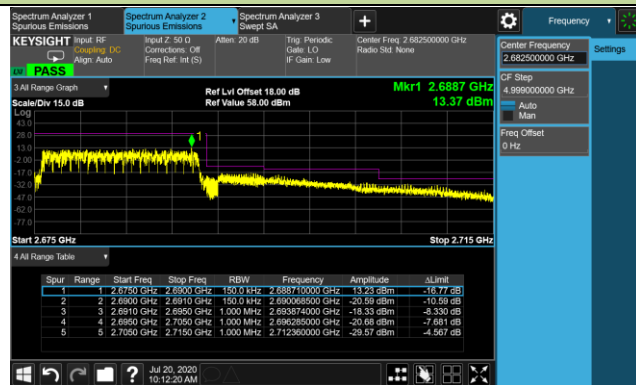
Lower ACP



Lower Extended Band Edge

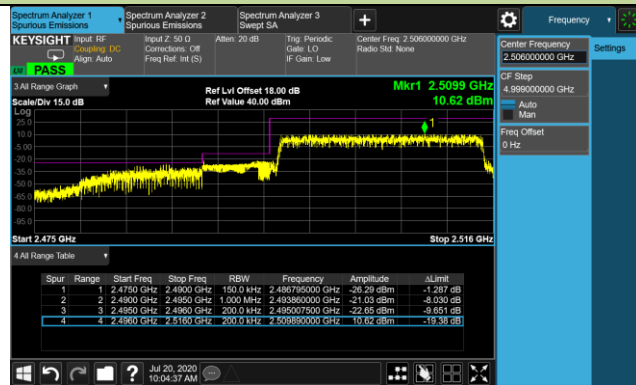


Upper ACP

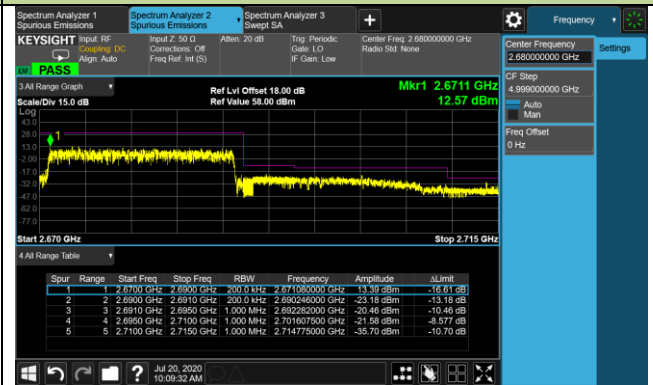


20MHz Channel Bandwidth - Full RB

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.

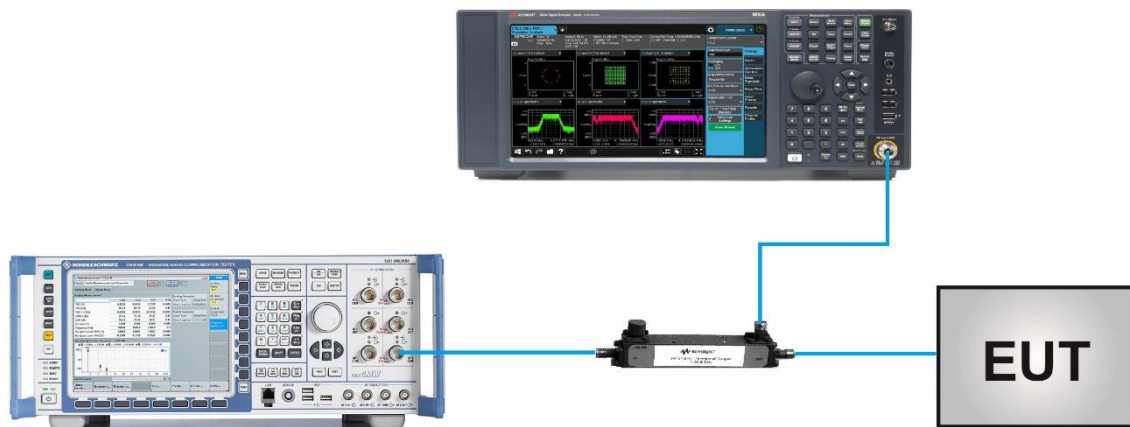
5.6.2. Test Procedure Used

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

5.6.3. Test Setting

1. Set the resolution / measurement bandwidth \geq 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%

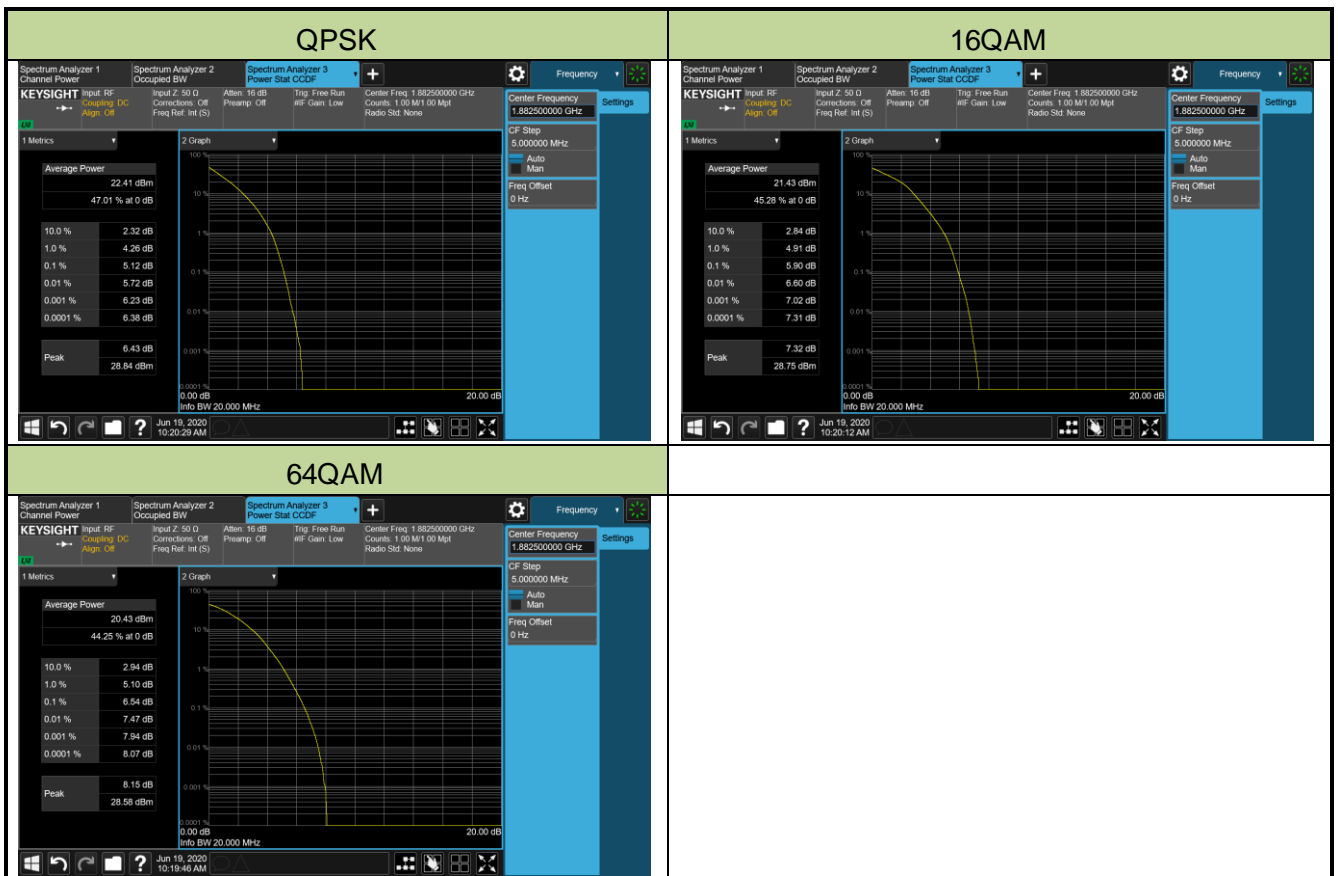
5.6.4. Test Setup



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



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

