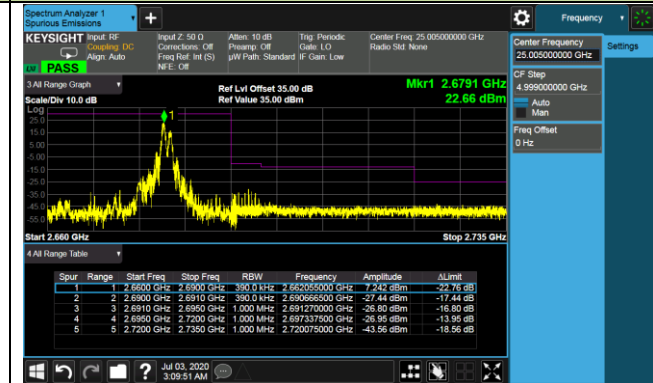
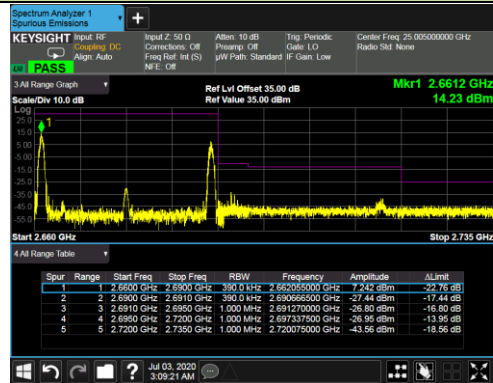


### 20MHz+10MHz Channel Bandwidth

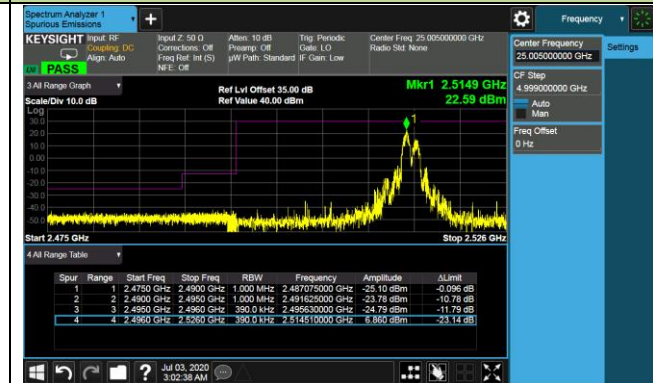
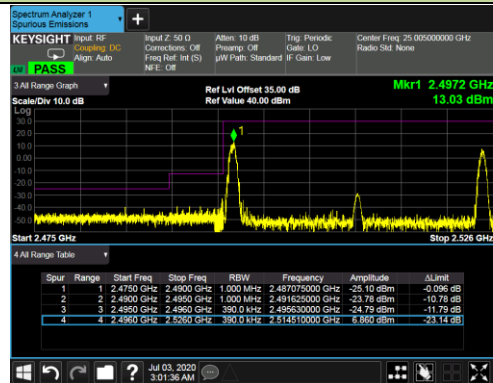
#### Lower ACP RB = 0 & 49

#### Lower ACP RB = 99 & 0



#### Upper ACP RB = 0 & 49

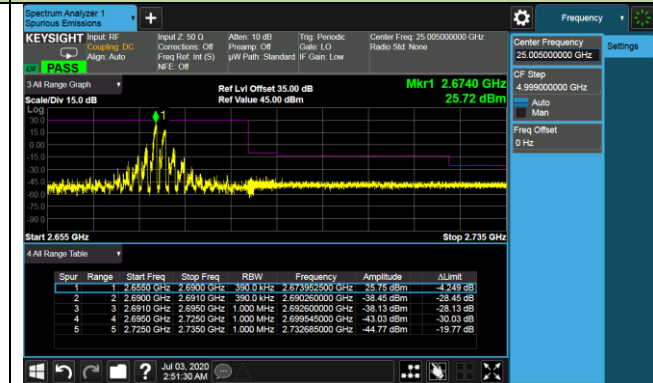
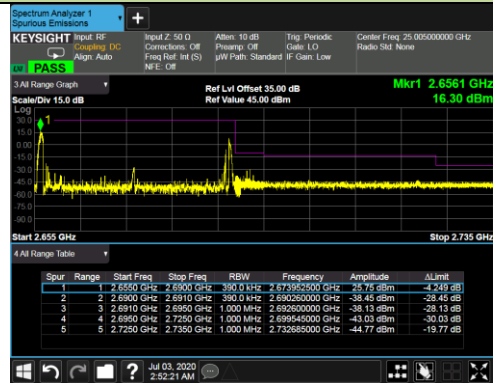
#### Upper ACP RB = 99 & 0



### 20MHz+15MHz Channel Bandwidth

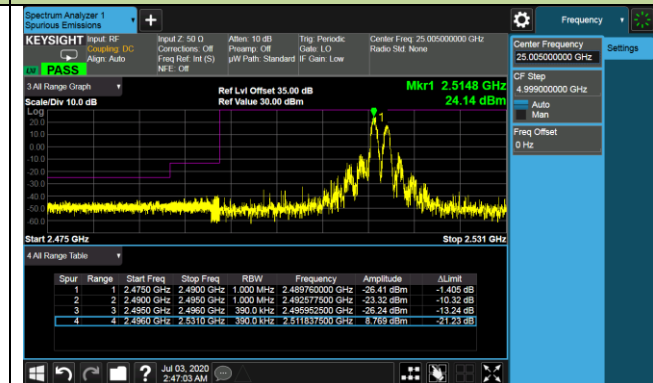
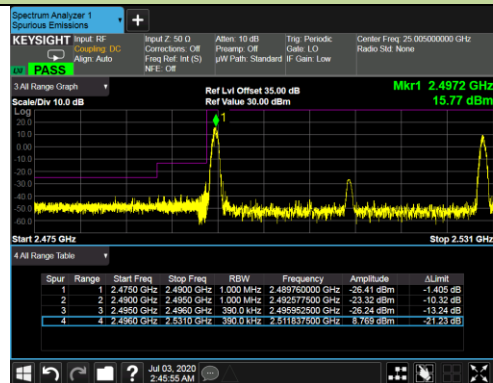
#### Lower ACP RB = 0 & 74

#### Lower ACP RB = 99 & 0



#### Upper ACP RB = 0 & 74

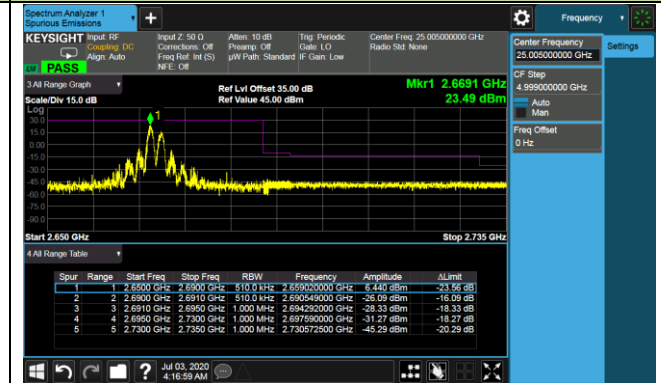
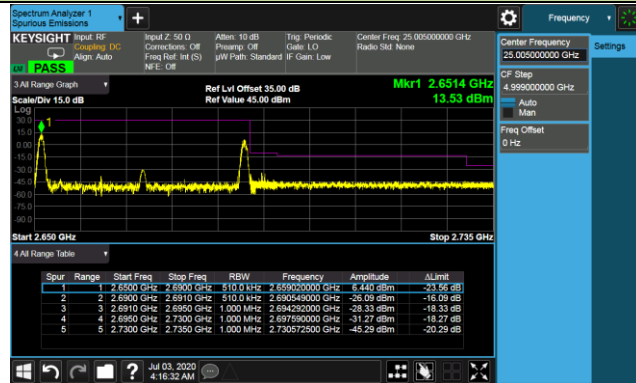
#### Upper ACP RB = 99 & 0



20MHz+20MHz Channel Bandwidth

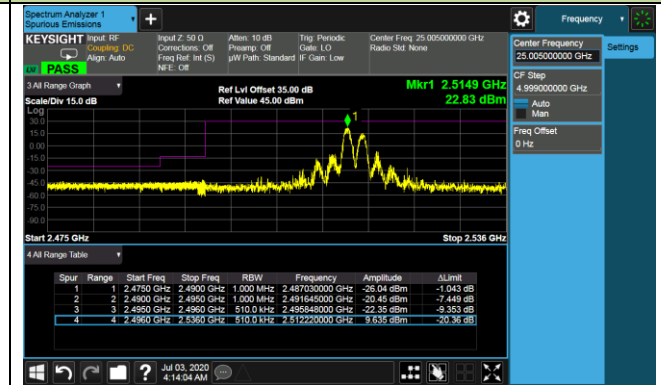
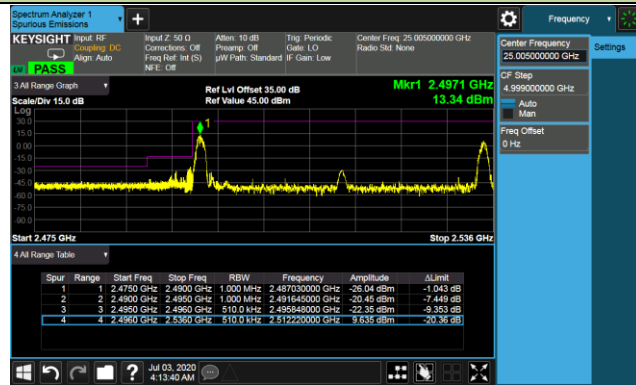
Lower ACP RB = 0 & 99

Lower ACP RB = 99 & 0



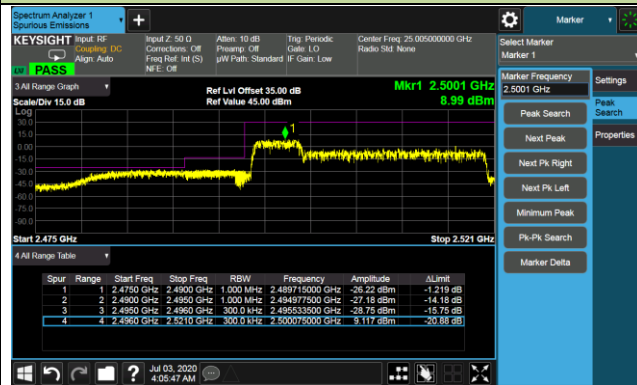
Upper ACP RB = 0 & 99

Upper ACP RB = 99 & 0

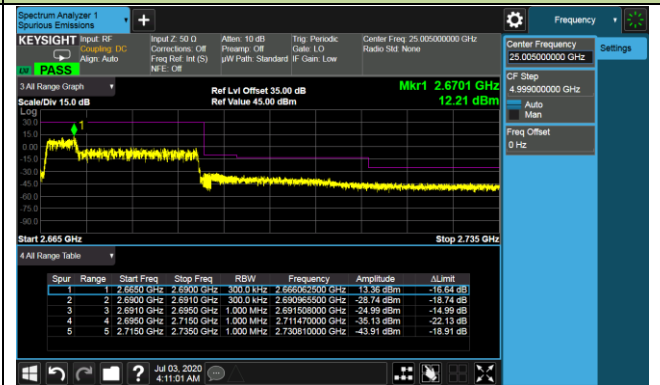


## 5MHz+20MHz Channel Bandwidth Full RB

## Lower ACP

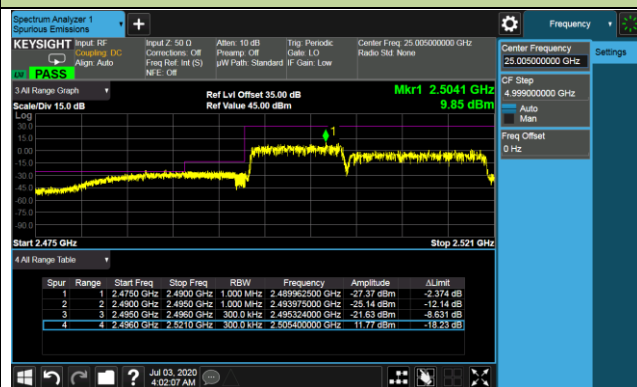


## Upper ACP

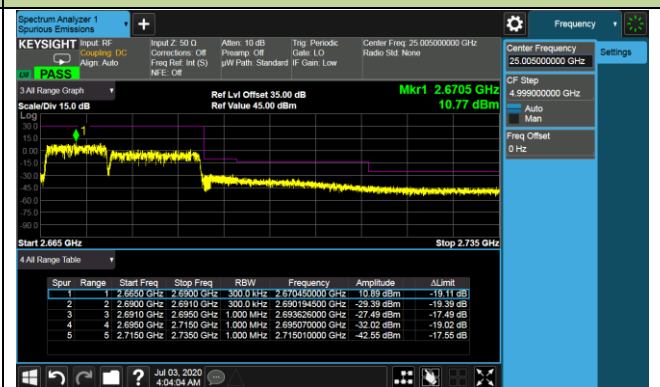


## 10MHz+15MHz Channel Bandwidth Full RB

## Lower ACP

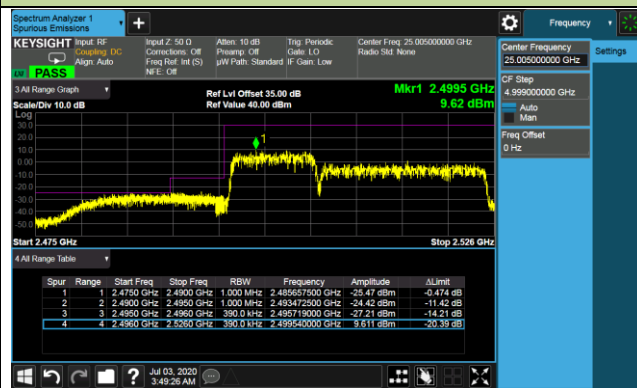


## Upper ACP

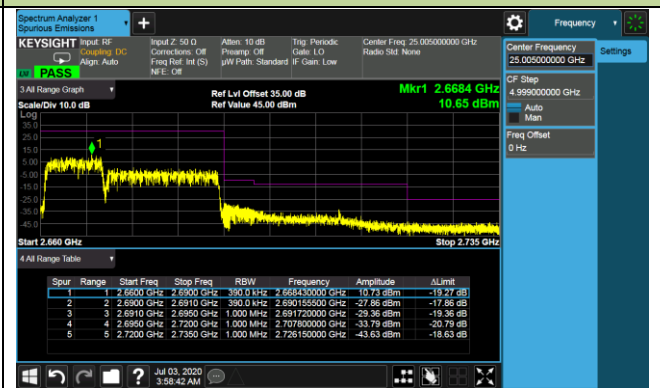


## 10MHz+20MHz Channel Bandwidth Full RB

## Lower ACP

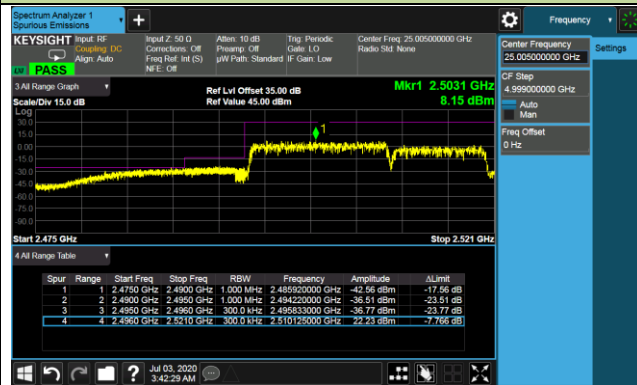


## Upper ACP

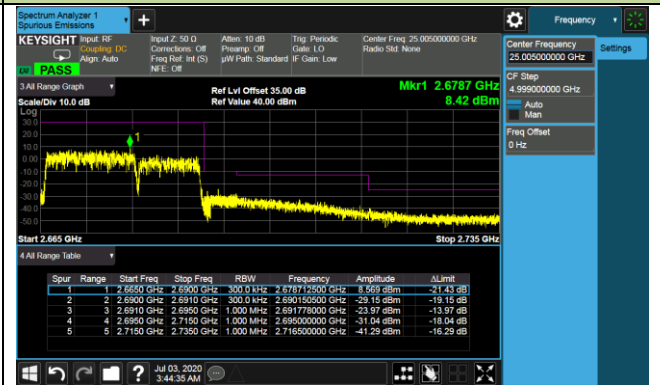


### 15MHz+10MHz Channel Bandwidth Full RB

#### Lower ACP

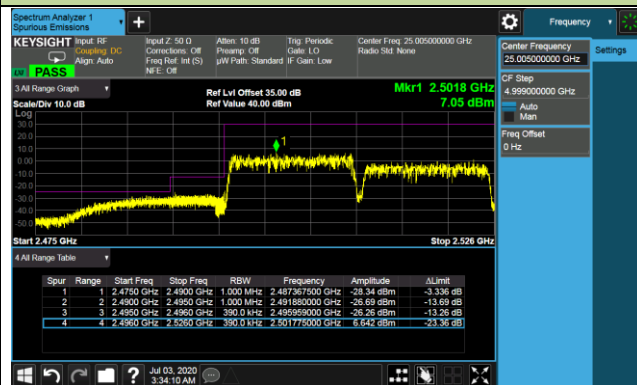


#### Upper ACP



### 15MHz+15MHz Channel Bandwidth Full RB

#### Lower ACP

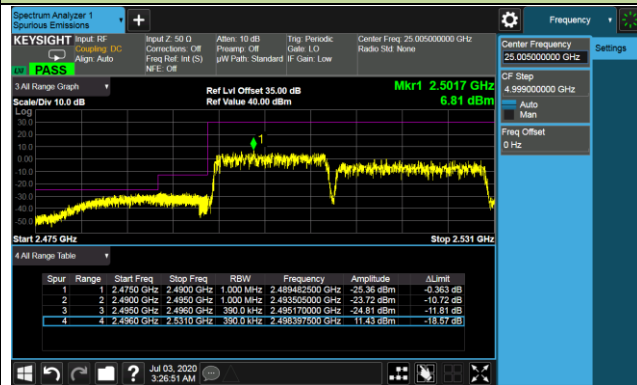


#### Upper ACP

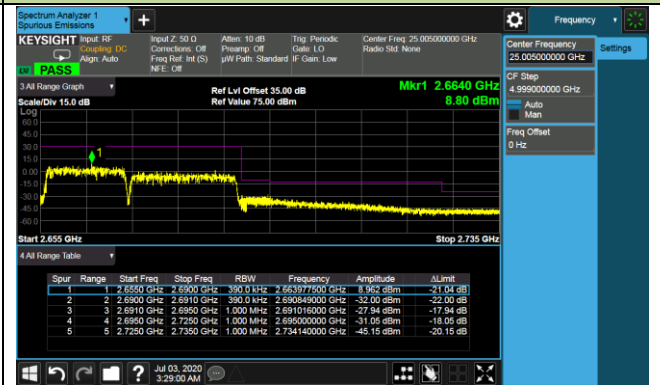


### 15MHz+20MHz Channel Bandwidth Full RB

#### Lower ACP



#### Upper ACP



20MHz+5MHz Channel Bandwidth Full RB

Lower ACP



Upper ACP

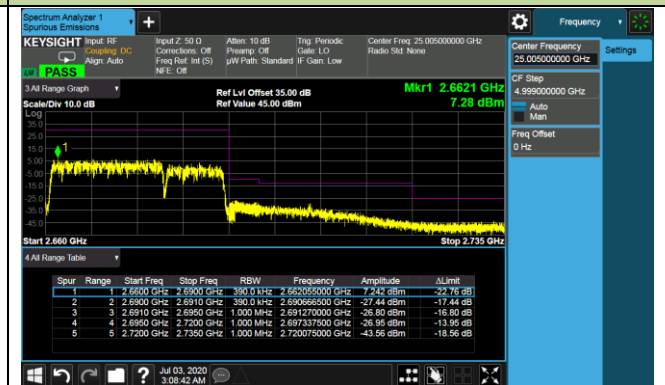


20MHz+10MHz Channel Bandwidth Full RB

Lower ACP



Upper ACP

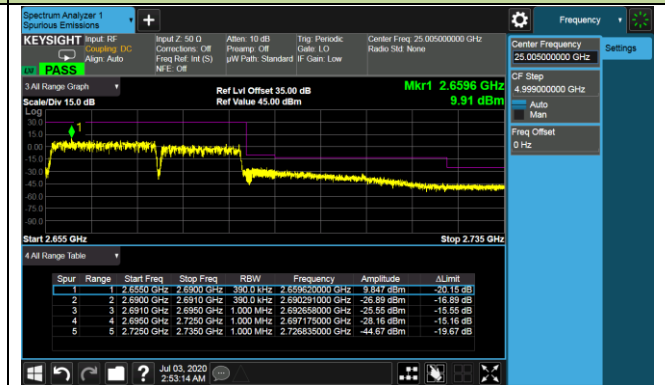


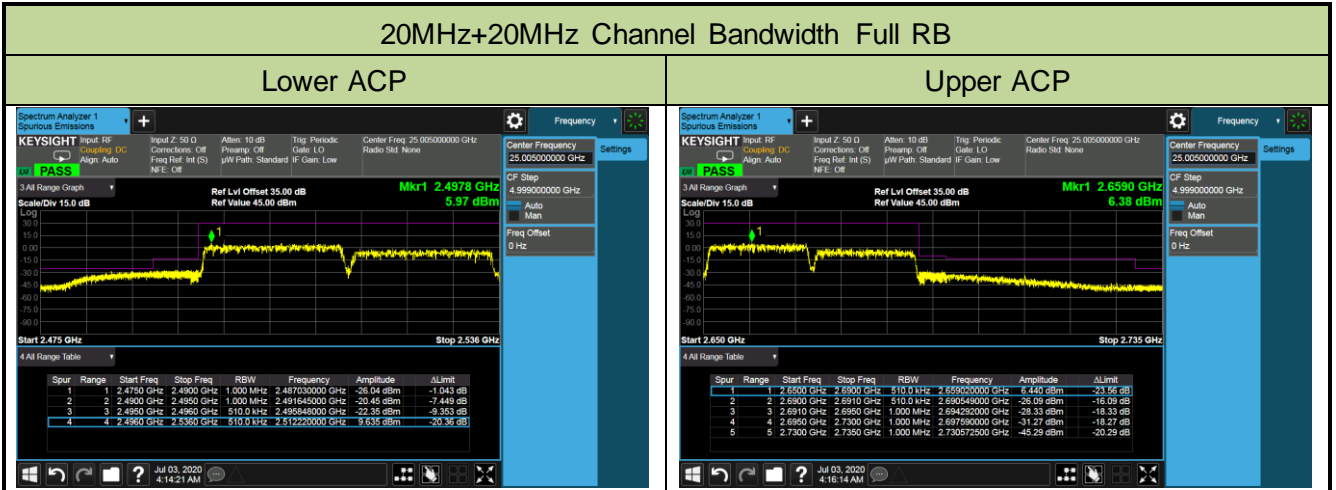
20MHz+15MHz Channel Bandwidth Full RB

Lower ACP

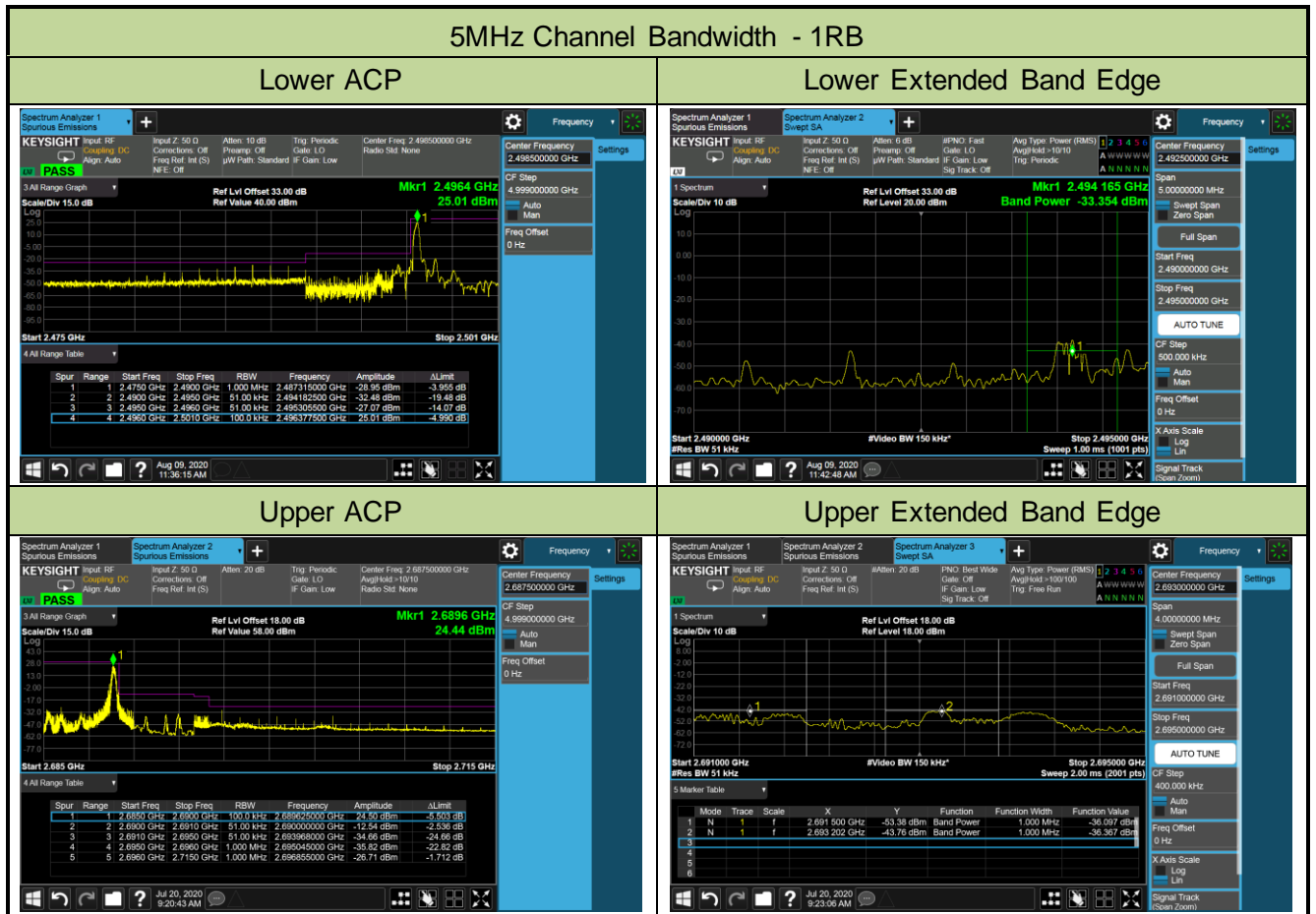


Upper ACP



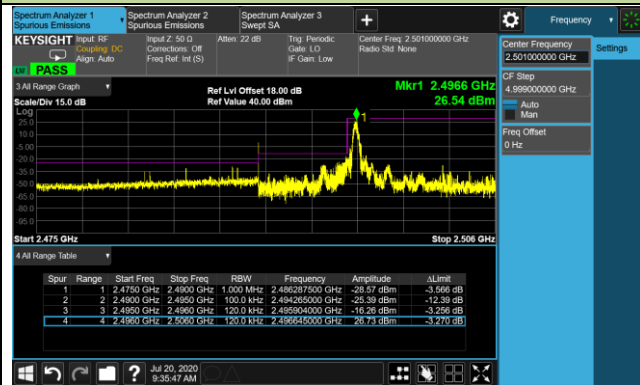


Product	LTE-A Cat 12 M.2 Module	Test Engineer	Gordon Qi
Test Date	2020/08/09	Test Site	SR6
Test Band	Band 41 For HPUE	Test Result	Pass

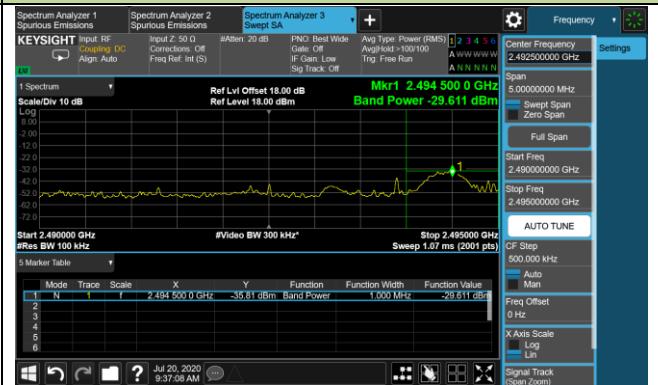


### 10MHz Channel Bandwidth - 1RB

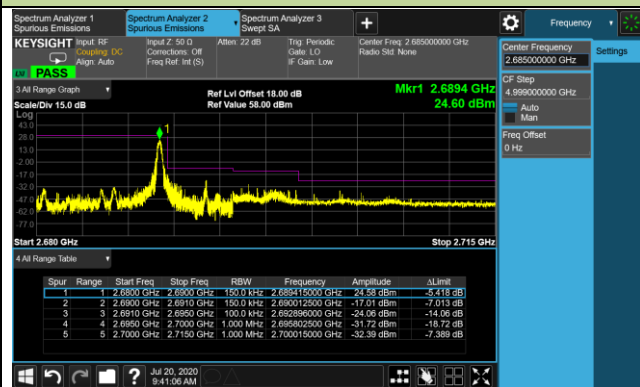
#### Lower ACP



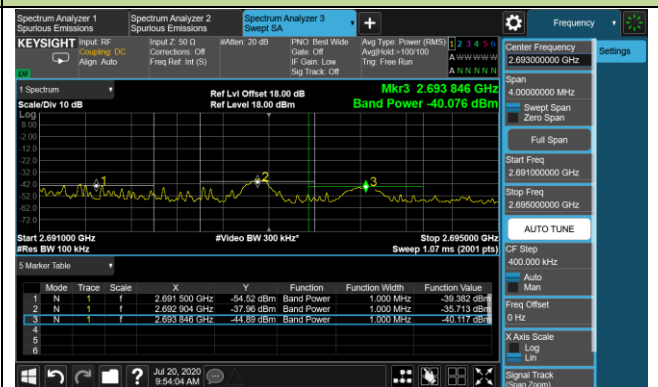
#### Lower Extended Band Edge



#### Upper ACP

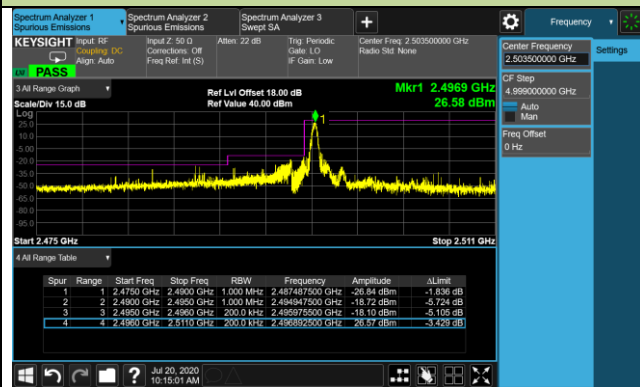


#### Upper Extended Band Edge

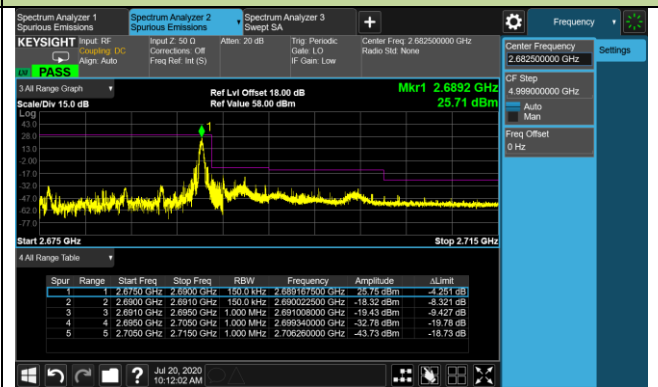


### 15MHz Channel Bandwidth - 1RB

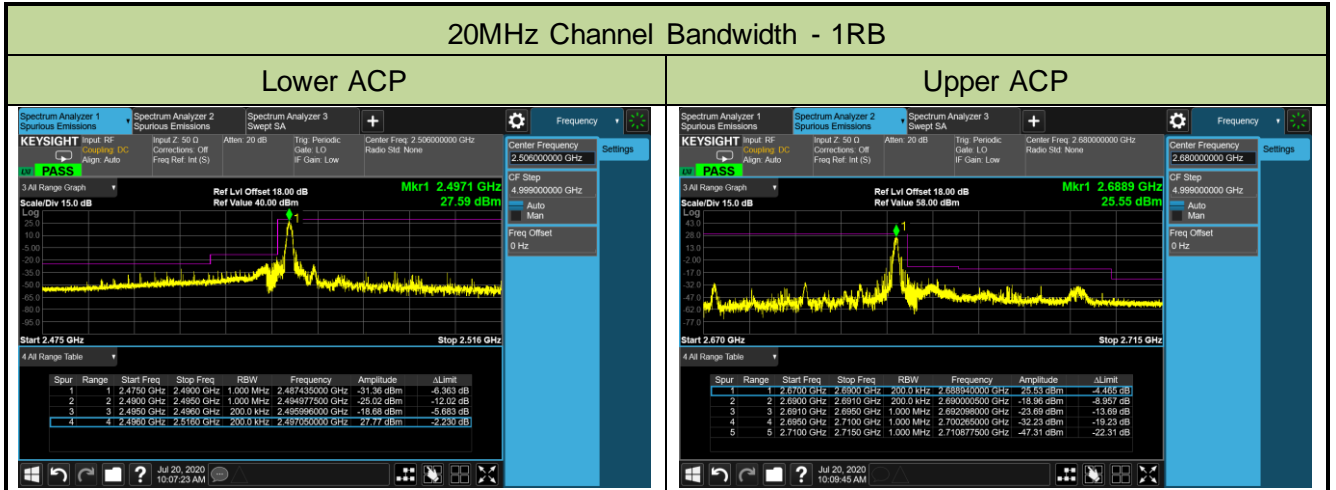
#### Lower ACP



#### Upper ACP

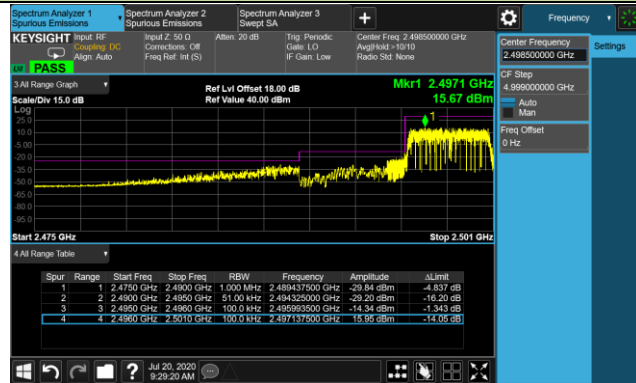




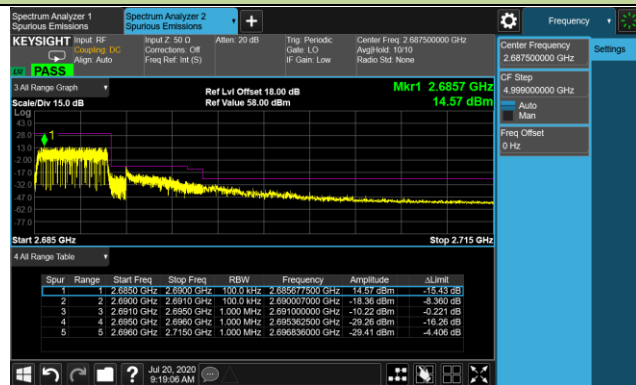


### 5MHz Channel Bandwidth - Full RB

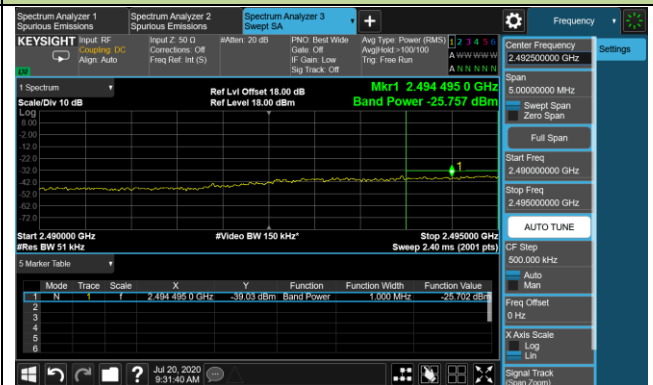
#### Lower ACP



#### Upper ACP

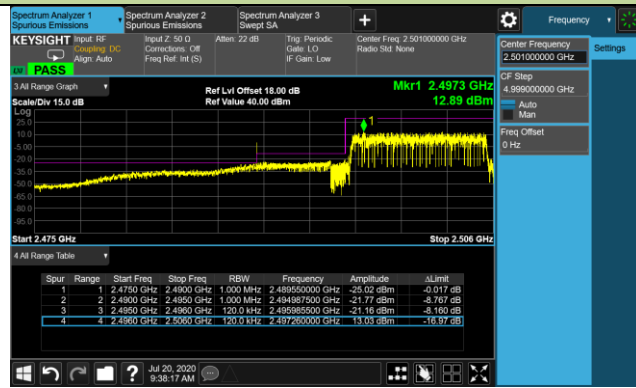


#### Upper Extended Band Edge

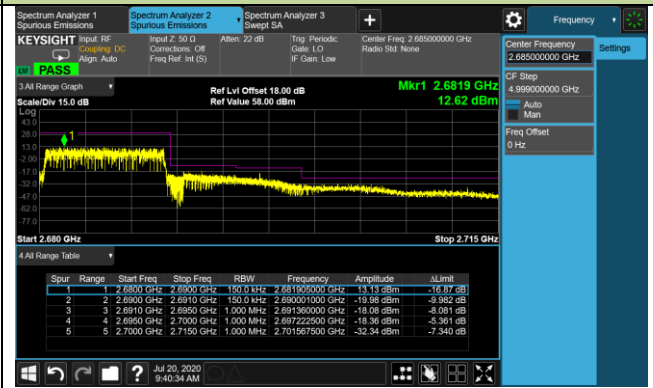


### 10MHz Channel Bandwidth - Full RB

#### Lower ACP

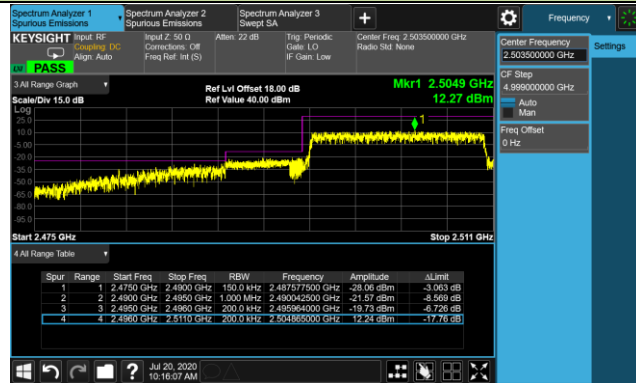


#### Upper ACP



### 15MHz Channel Bandwidth - Full RB

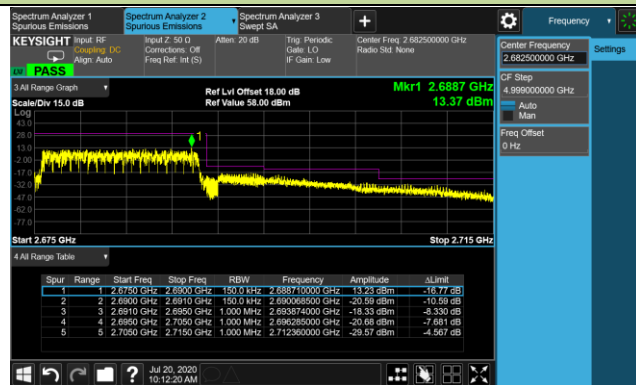
#### Lower ACP



#### Lower Extended Band Edge

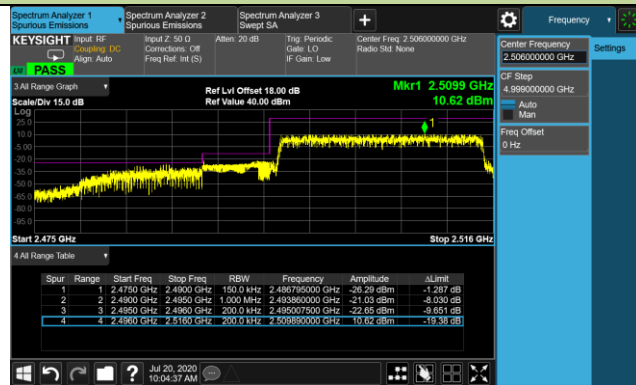


#### Upper ACP

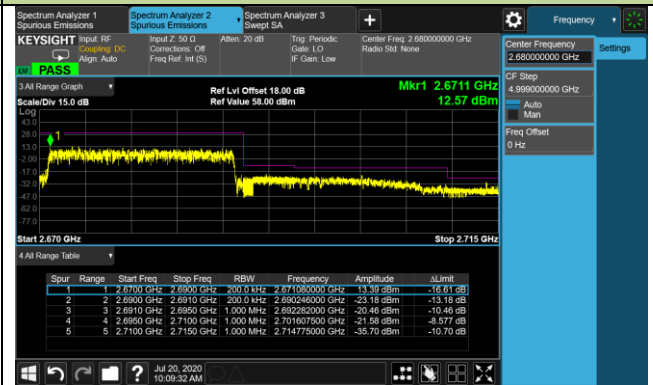


### 20MHz Channel Bandwidth - Full RB

#### 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.

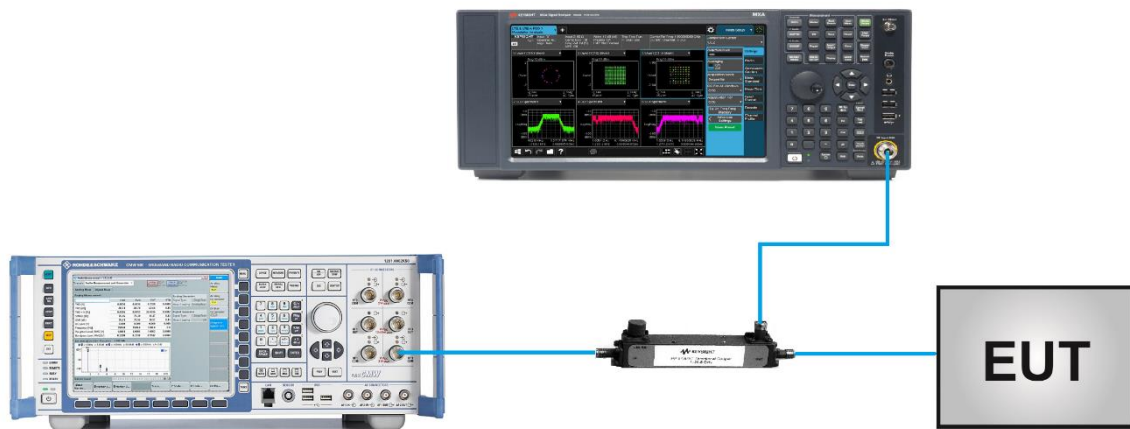
### 5.6.2. Test Procedure Used

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%

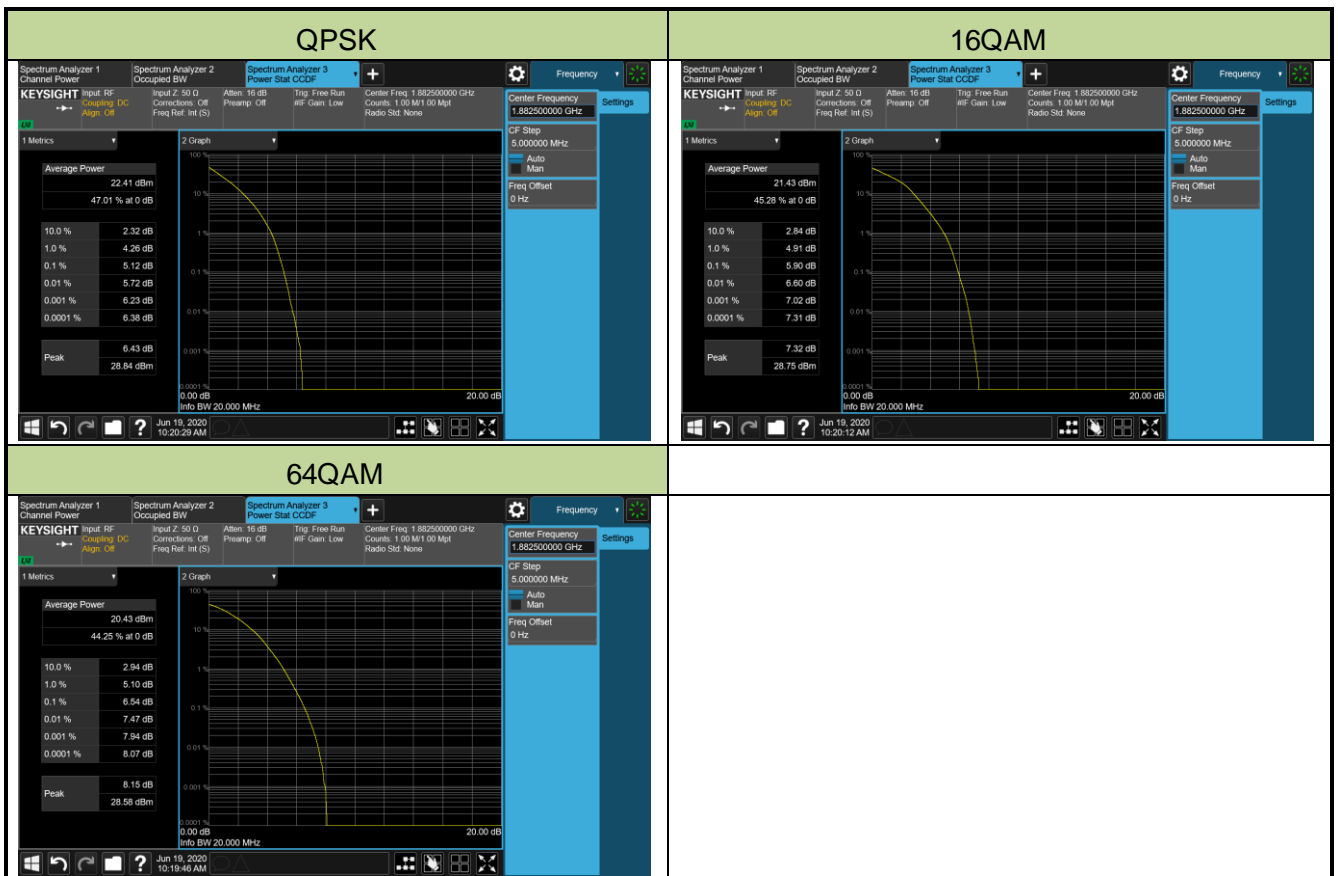
### 5.6.4. Test Setup



**5.6.5. Test Result**

Product	LTE-A Cat 12 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
<b>QPSK</b>					
26365	1882.5	20	5.12	≤ 13.00	Pass
<b>16QAM</b>					
26365	1882.5	20	5.90	≤ 13.00	Pass
<b>64QAM</b>					
26365	1882.5	20	6.54	≤ 13.00	Pass



Product	LTE-A Cat 12 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
<b>QPSK</b>					
132322	1745.0	20	5.32	≤ 13.00	Pass
<b>16QAM</b>					
132322	1745.0	20	6.57	≤ 13.00	Pass
<b>64QAM</b>					
132322	1745.0	20	6.03	≤ 13.00	Pass

