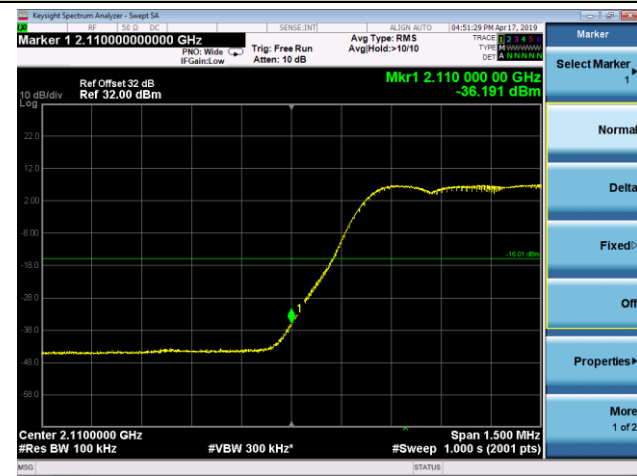


### 5 + 5MHz Channel Bandwidth

2112.5MHz + 2117.5MHz

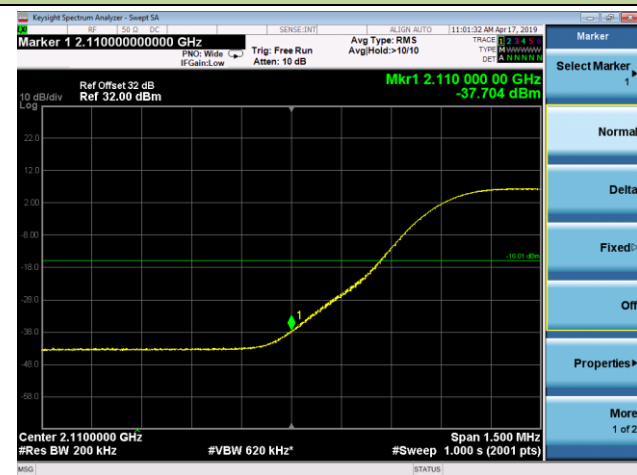


2172.5MHz + 2177.5MHz



### 10 + 10MHz Channel Bandwidth

2115.0MHz + 2125.0MHz

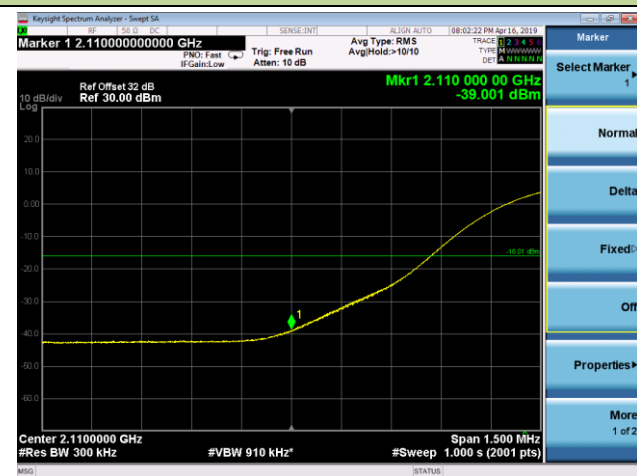


2165.0MHz + 2175.0MHz

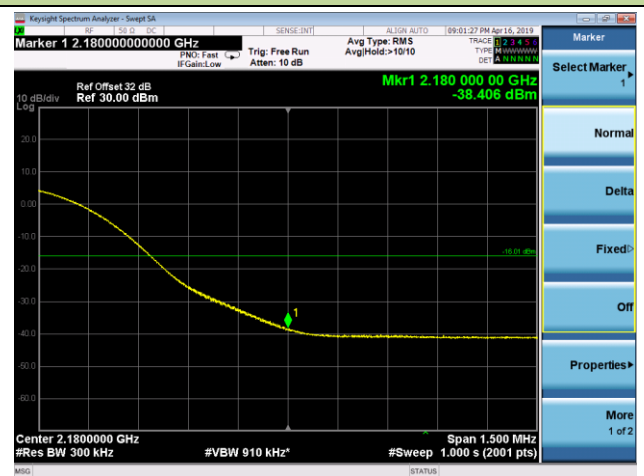


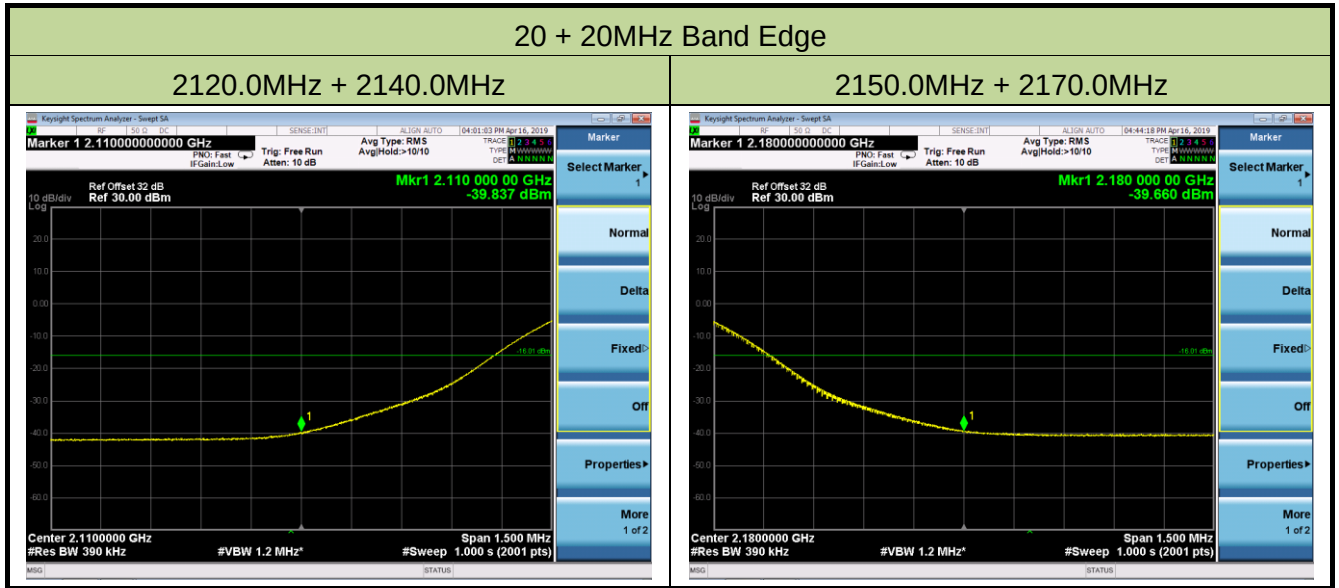
### 15 + 15MHz Band Edge

2117.5MHz + 2132.5MHz



2157.5MHz + 2172.5MHz

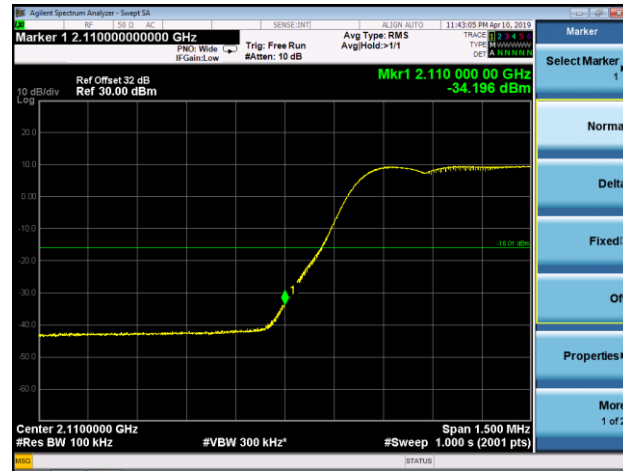




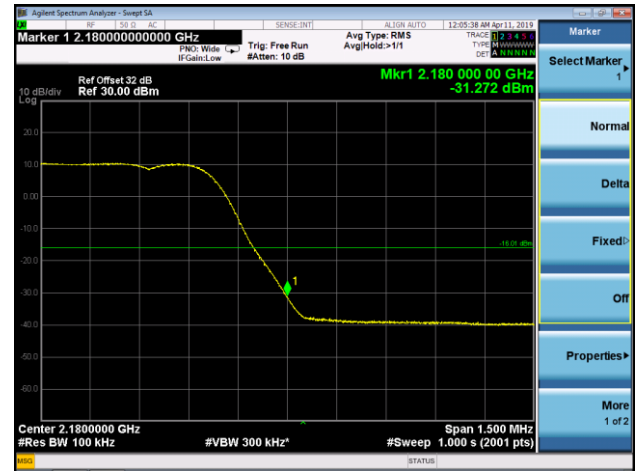
# Band Edge - Ant 1 (16QAM)

## 5MHz Channel Bandwidth

2112.5MHz

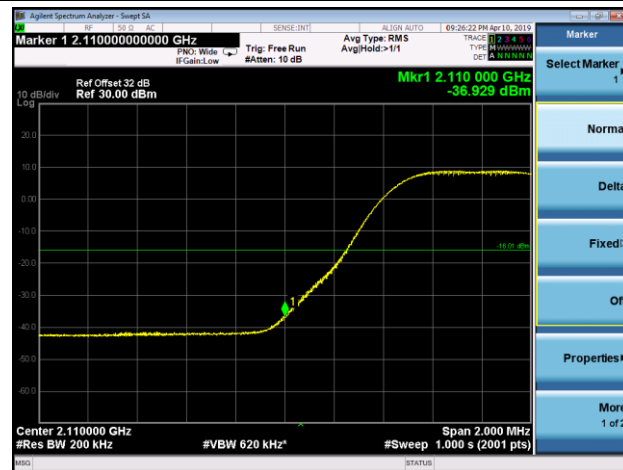


2177.5MHz



## 10MHz Channel Bandwidth

2115.0MHz

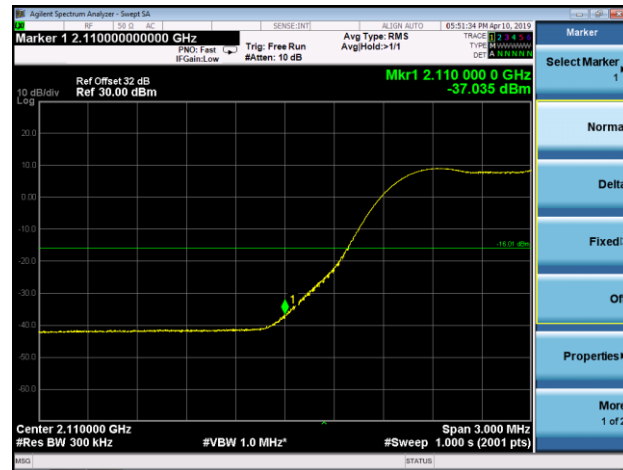


2175.0MHz



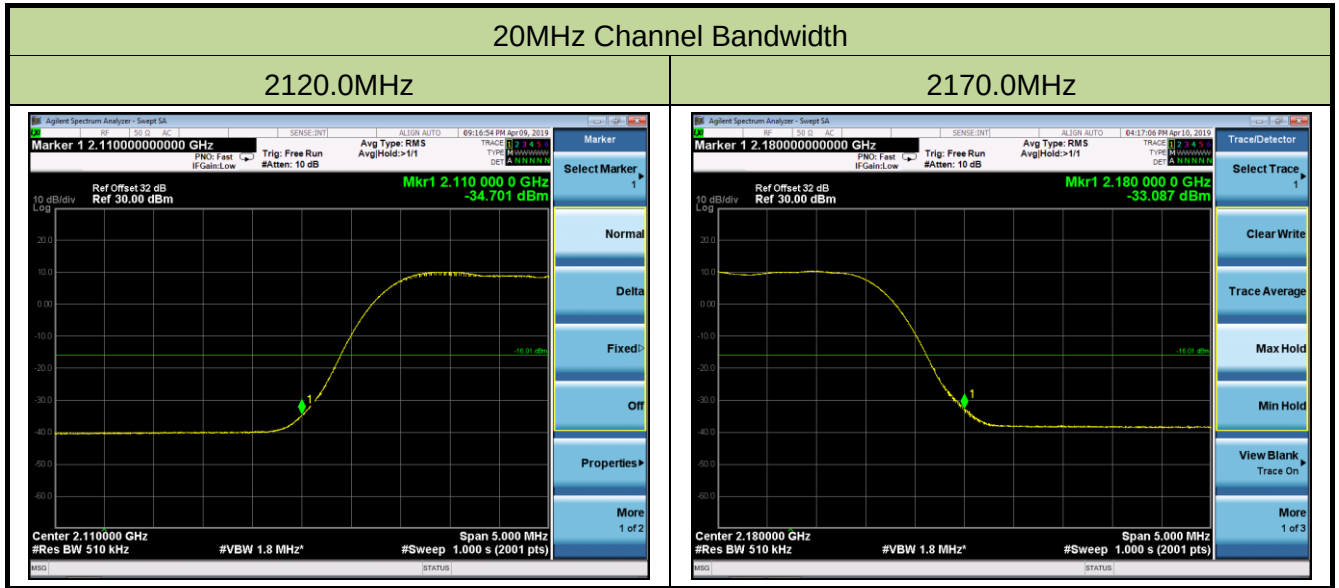
## 15MHz Channel Bandwidth

2117.5MHz



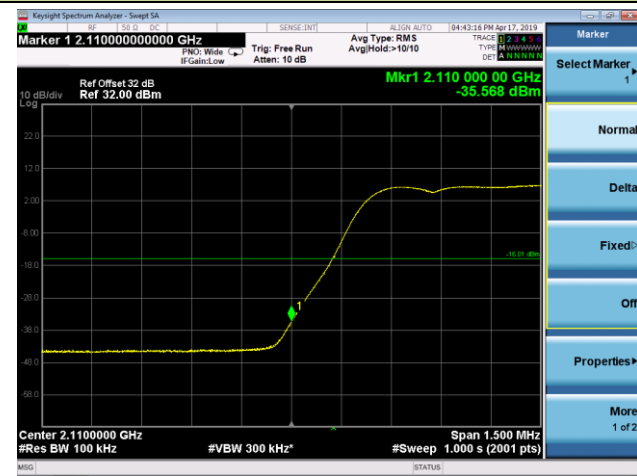
2172.5MHz





### 5 + 5MHz Channel Bandwidth

2112.5MHz + 2117.5MHz

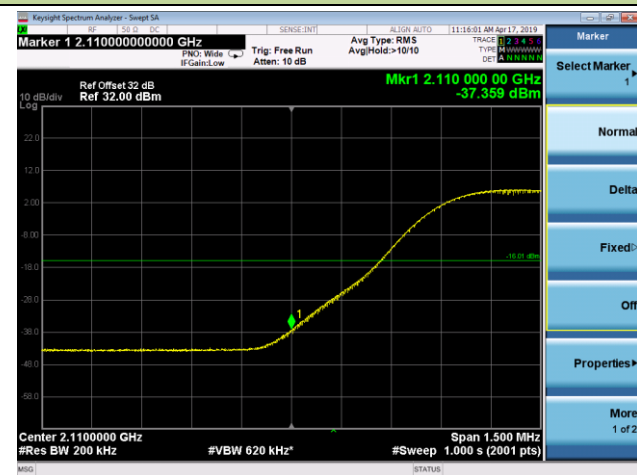


2172.5MHz + 2177.5MHz



### 10 + 10MHz Channel Bandwidth

2115.0MHz + 2125.0MHz

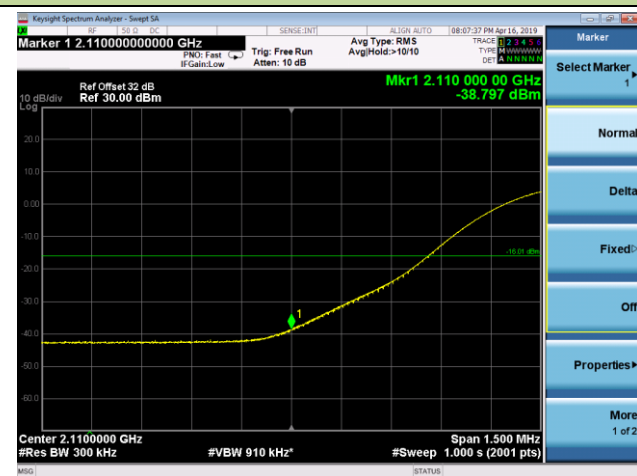


2165.0MHz + 2175.0MHz



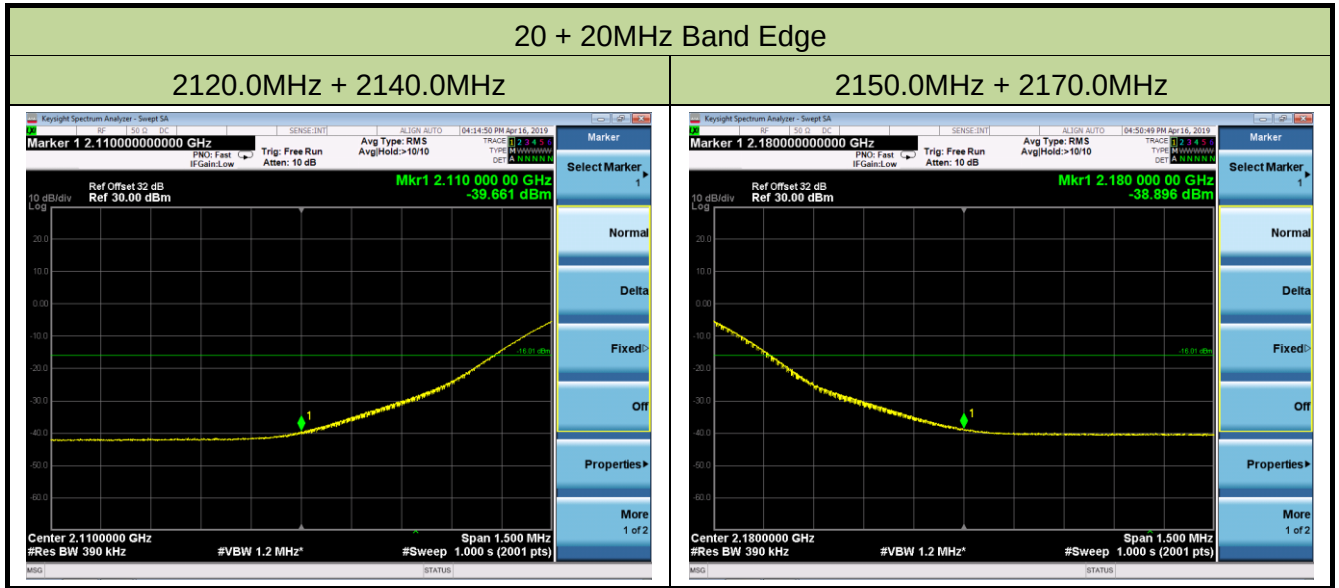
### 15 + 15MHz Band Edge

2117.5MHz + 2132.5MHz



2157.5MHz + 2172.5MHz

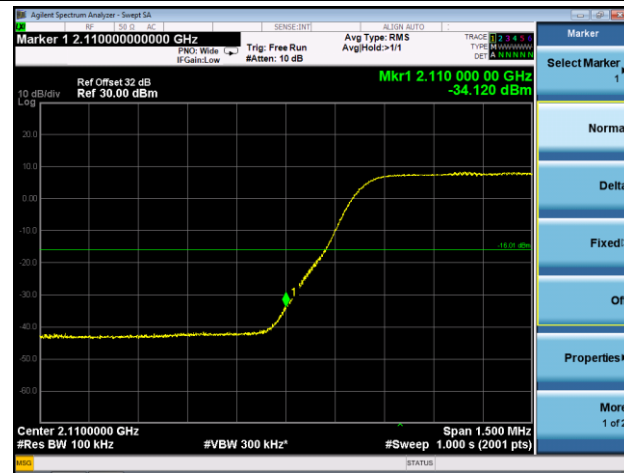




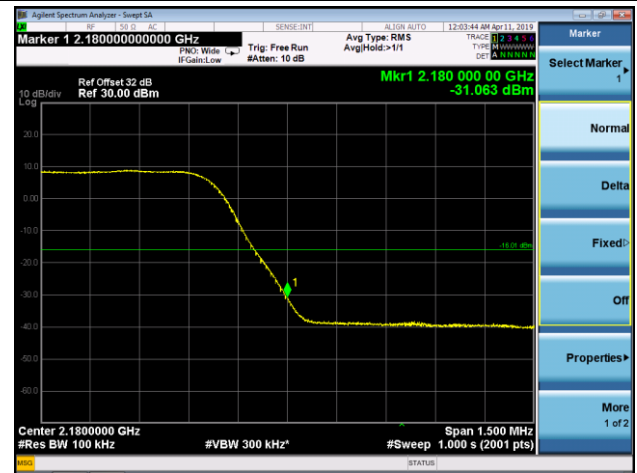
## Band Edge - Ant 1 (64QAM)

### 5MHz Channel Bandwidth

2112.5MHz

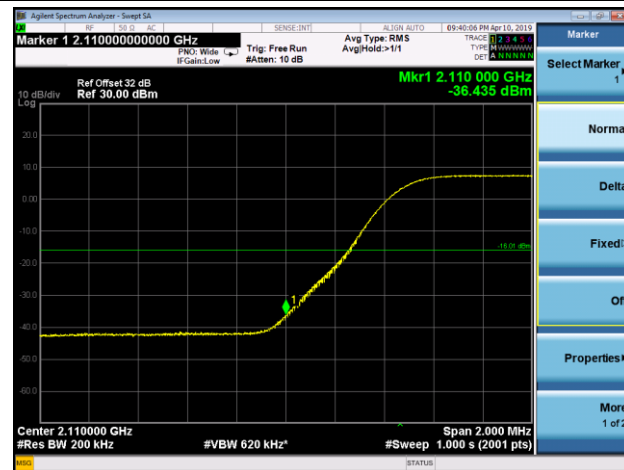


2177.5MHz



### 10MHz Channel Bandwidth

2115.0MHz

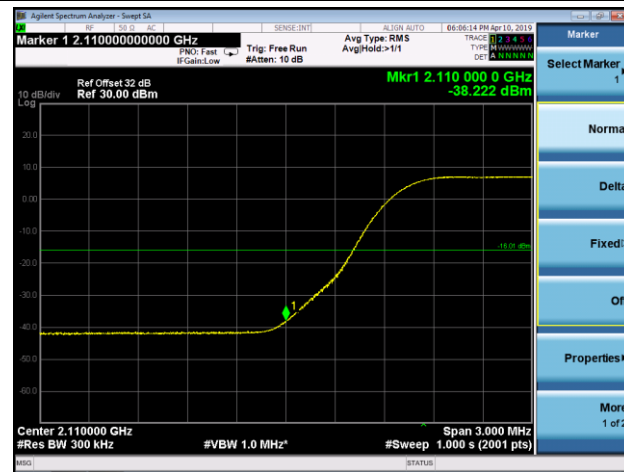


2175.0MHz



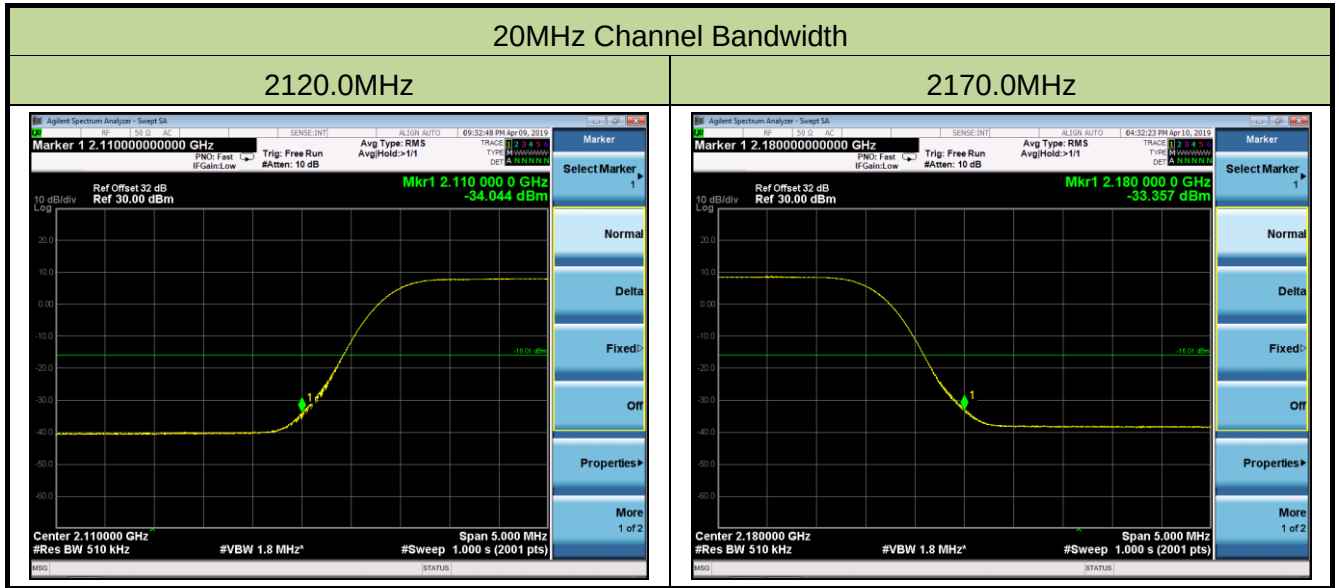
### 15MHz Channel Bandwidth

2117.5MHz



2172.5MHz

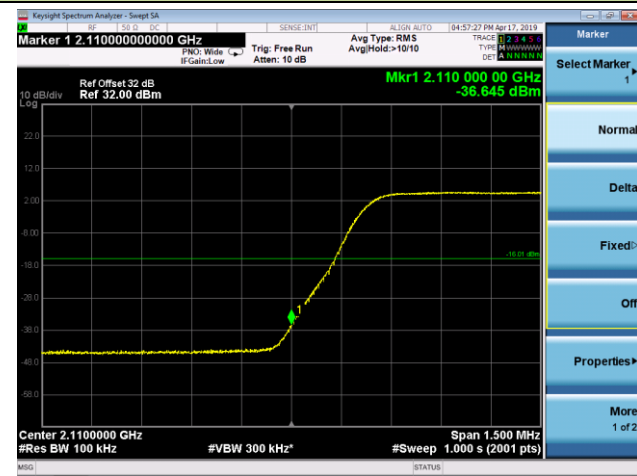






### 5 + 5MHz Channel Bandwidth

2112.5MHz + 2117.5MHz



2172.5MHz + 2177.5MHz



### 10 + 10MHz Channel Bandwidth

2115.0MHz + 2125.0MHz

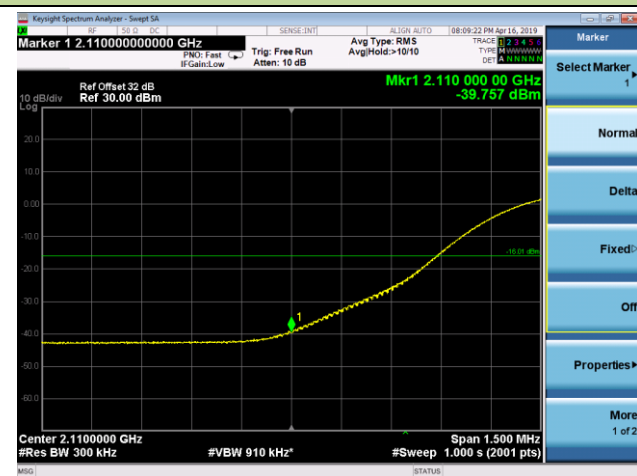


2165.0MHz + 2175.0MHz

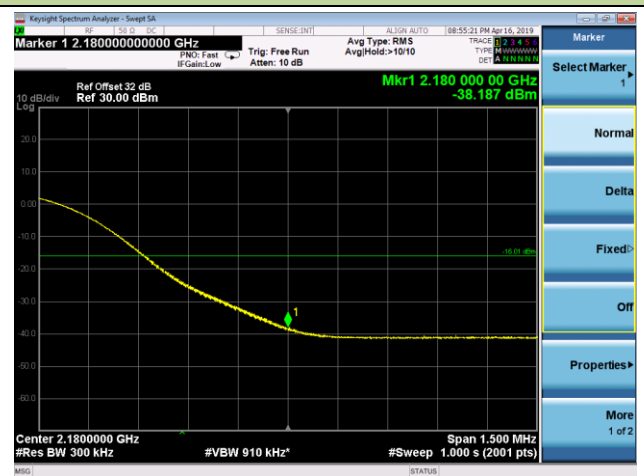


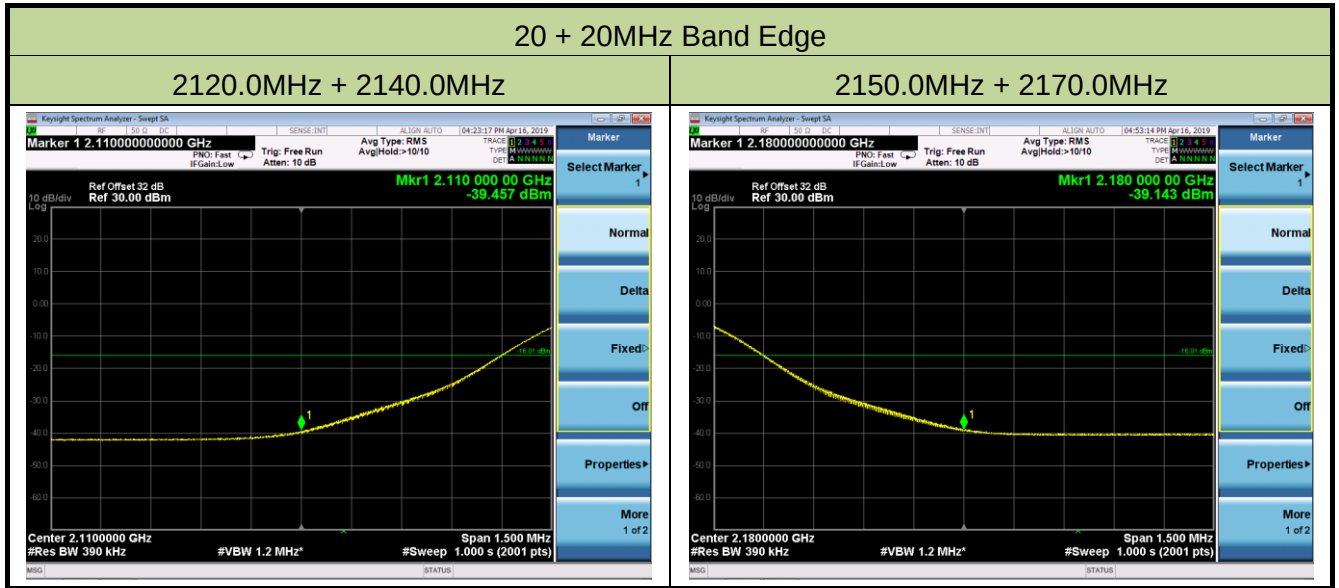
### 15 + 15MHz Band Edge

2117.5MHz + 2132.5MHz



2157.5MHz + 2172.5MHz

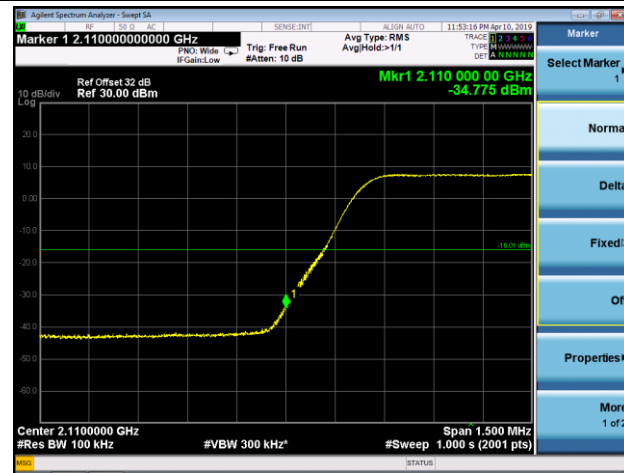




# Band Edge - Ant 1 (256QAM)

## 5MHz Channel Bandwidth

2112.5MHz

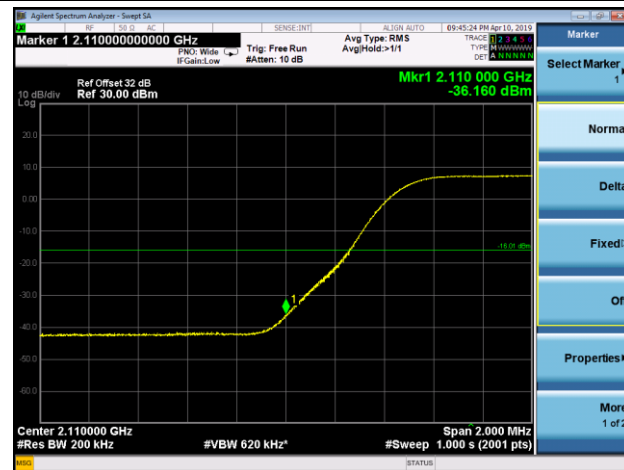


2177.5MHz



## 10MHz Channel Bandwidth

2115.0MHz

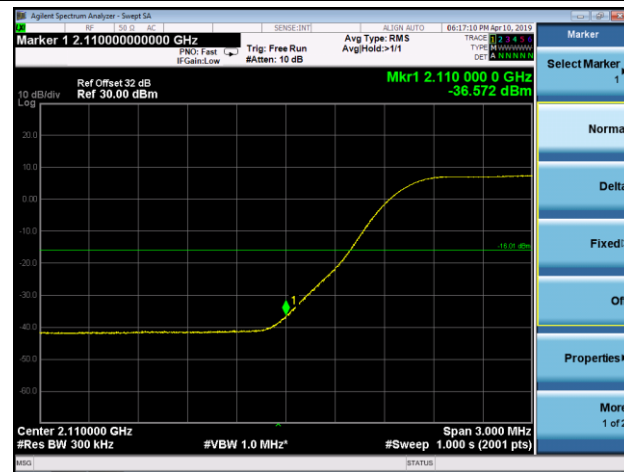


2175.0MHz

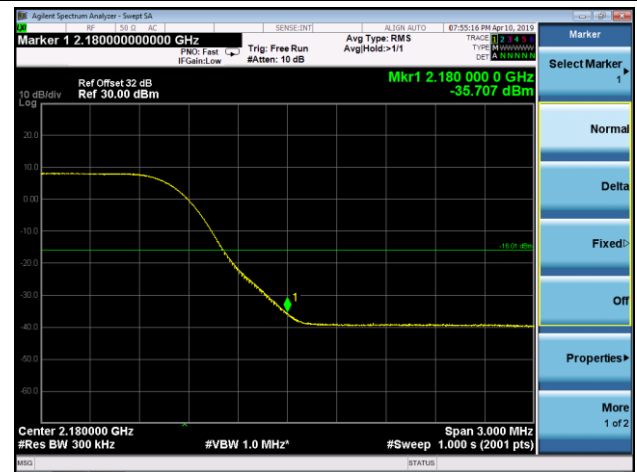


## 15MHz Channel Bandwidth

2117.5MHz

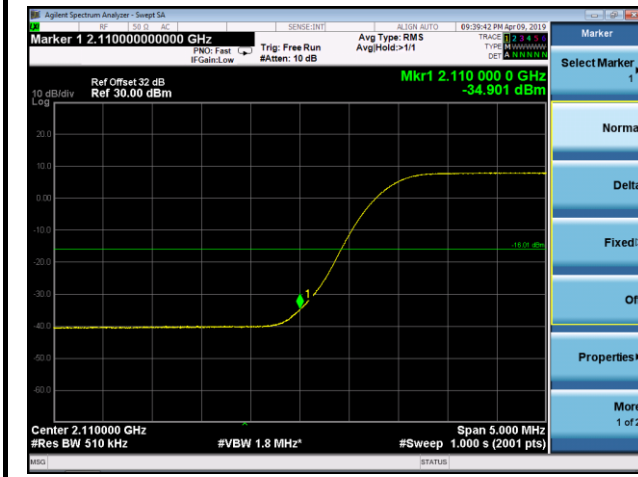


2172.5MHz



## 20MHz Channel Bandwidth

2120.0MHz

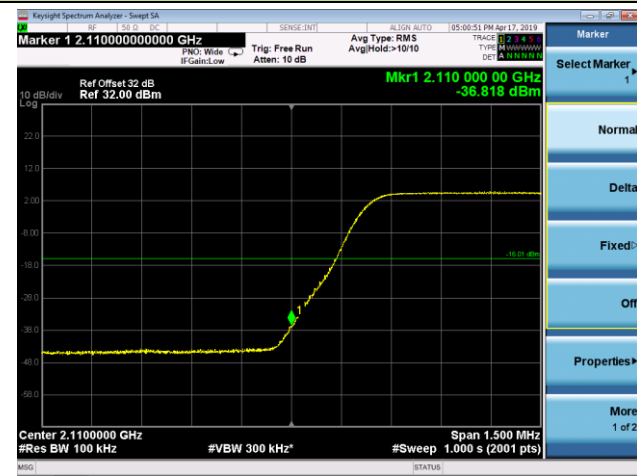


2170.0MHz



### 5 + 5MHz Channel Bandwidth

2112.5MHz + 2117.5MHz

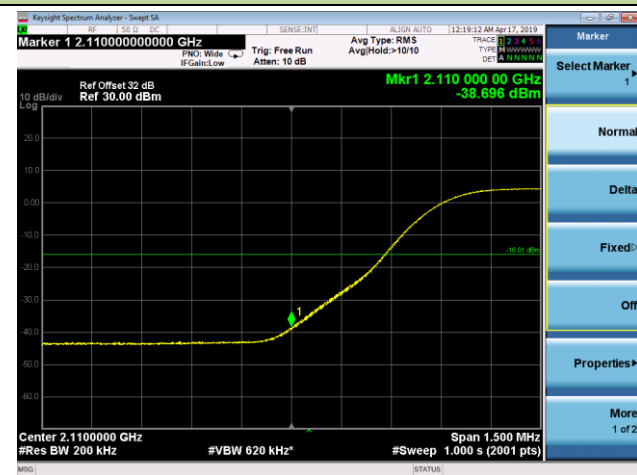


2172.5MHz + 2177.5MHz



### 10 + 10MHz Channel Bandwidth

2115.0MHz + 2125.0MHz

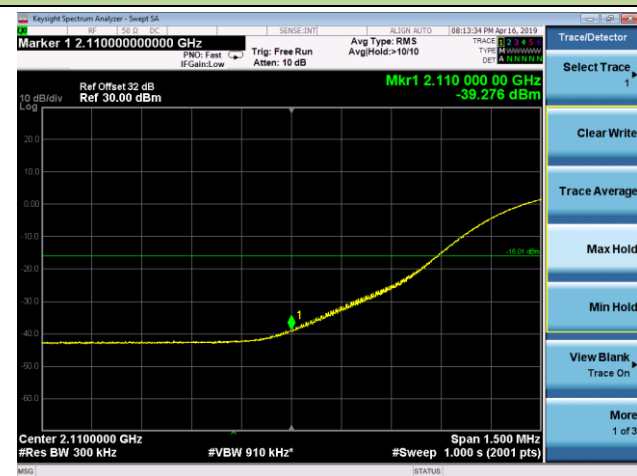


2165.0MHz + 2175.0MHz

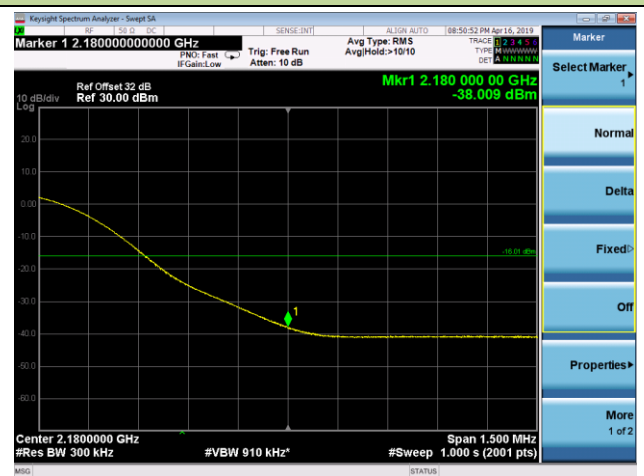


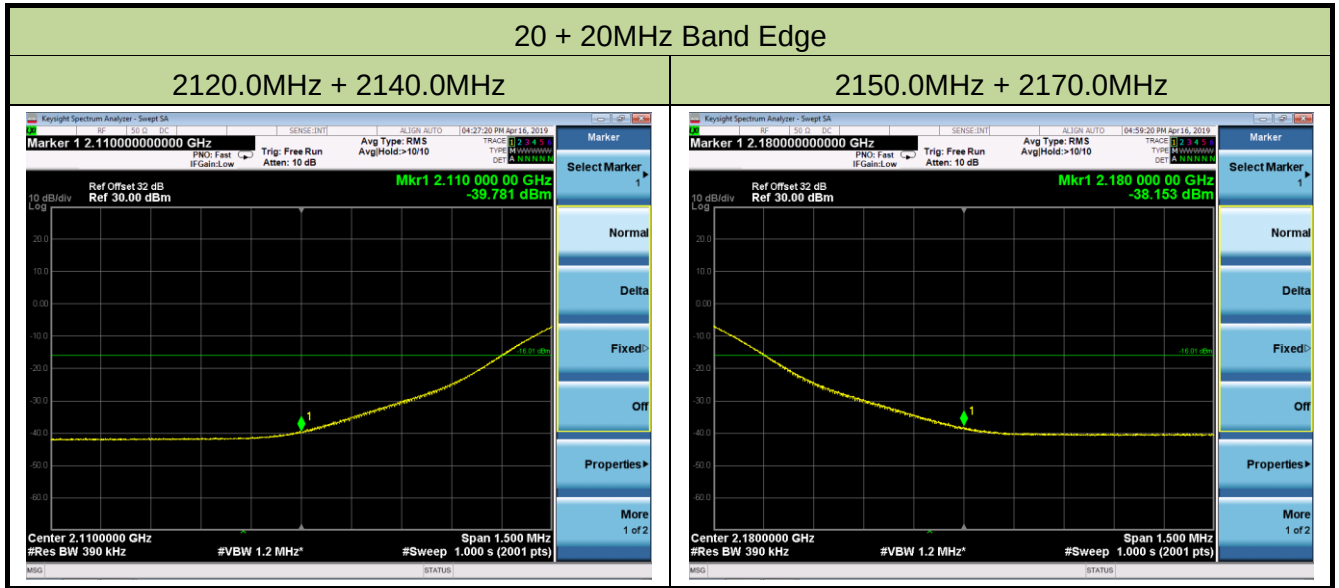
### 15 + 15MHz Band Edge

2117.5MHz + 2132.5MHz



2157.5MHz + 2172.5MHz





## 6.6. Peak to Average Ratio

### 6.6.1. Test Limit

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### 6.6.2. Test Procedure Used

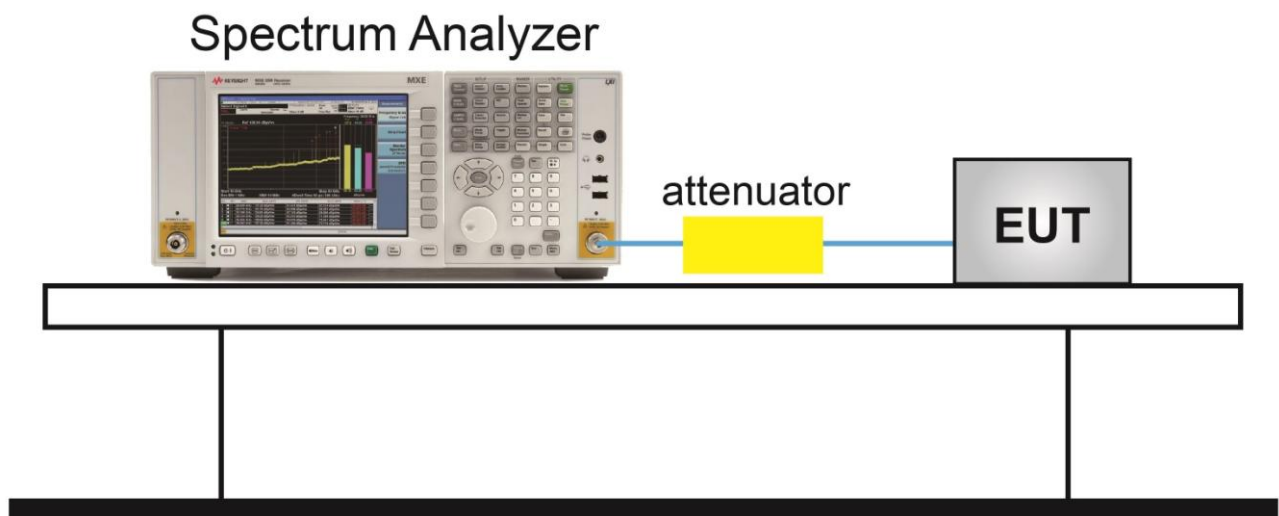
KDB 971168 D01v03r01 - Section 5.7

ANSI C63.26-2015 - Section 5.2.6

### 6.6.3. 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%.

### 6.6.4. Test Setup



### 6.6.5. Test Result

|           |                                    |               |                         |
|-----------|------------------------------------|---------------|-------------------------|
| Product   | AirScale Indoor Radio ASiR-pRRH    | Test Engineer | Peter Xu                |
| Test Site | SR2                                | Test Date     | 2019/01/29 ~ 2019/01/30 |
| Test Item | Peak to Average Ratio - LTE Band 2 |               |                         |

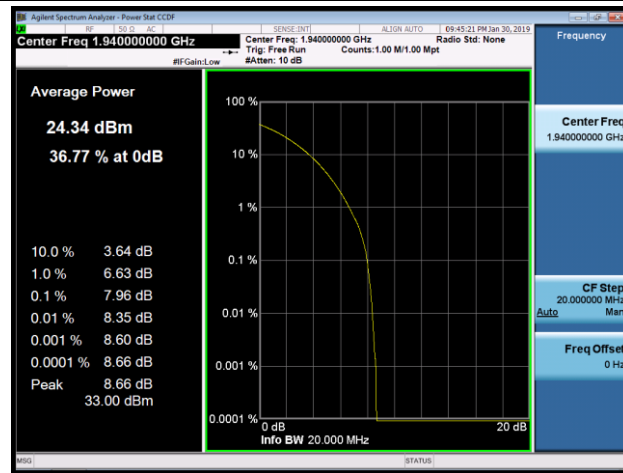
| Channel | Frequency<br>(MHz) | Channel<br>Bandwidth (MHz) | Peak to Average Ratio (dB) |       | Limit<br>(dBm) | Result |
|---------|--------------------|----------------------------|----------------------------|-------|----------------|--------|
|         |                    |                            | Ant 0                      | Ant 1 |                |        |
| QPSK    |                    |                            |                            |       |                |        |
| 700     | 1940.0             | 20                         | 7.96                       | 7.97  | ≤ 13.00        | Pass   |
| 900     | 1960.0             | 20                         | 7.96                       | 7.97  | ≤ 13.00        | Pass   |
| 1100    | 1980.0             | 20                         | 7.94                       | 7.95  | ≤ 13.00        | Pass   |
| 16QAM   |                    |                            |                            |       |                |        |
| 700     | 1940.0             | 20                         | 7.96                       | 7.99  | ≤ 13.00        | Pass   |
| 900     | 1960.0             | 20                         | 7.93                       | 7.97  | ≤ 13.00        | Pass   |
| 1100    | 1980.0             | 20                         | 7.92                       | 7.94  | ≤ 13.00        | Pass   |
| 64QAM   |                    |                            |                            |       |                |        |
| 700     | 1940.0             | 20                         | 7.96                       | 7.97  | ≤ 13.00        | Pass   |
| 900     | 1960.0             | 20                         | 7.96                       | 7.97  | ≤ 13.00        | Pass   |
| 1100    | 1980.0             | 20                         | 7.95                       | 7.94  | ≤ 13.00        | Pass   |
| 256QAM  |                    |                            |                            |       |                |        |
| 700     | 1940.0             | 20                         | 7.97                       | 7.97  | ≤ 13.00        | Pass   |
| 900     | 1960.0             | 20                         | 7.96                       | 7.95  | ≤ 13.00        | Pass   |
| 1100    | 1980.0             | 20                         | 7.97                       | 7.93  | ≤ 13.00        | Pass   |



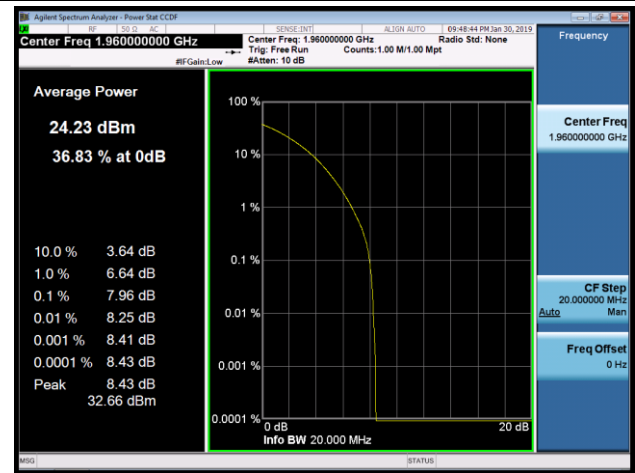
# Peak to Average Ratio - Ant 0 (QPSK)

## 20MHz Channel Bandwidth

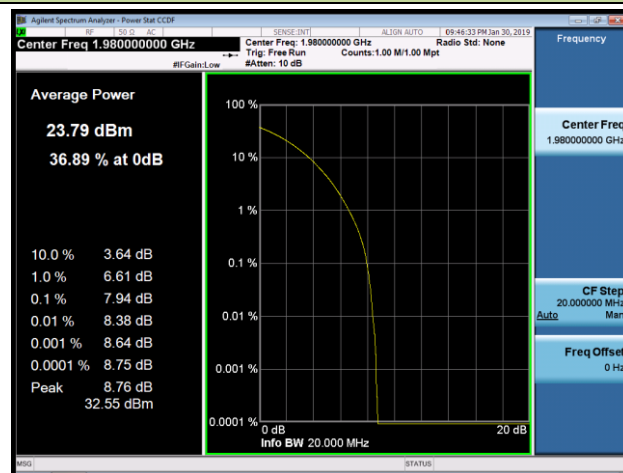
1940.0MHz



1960.0MHz



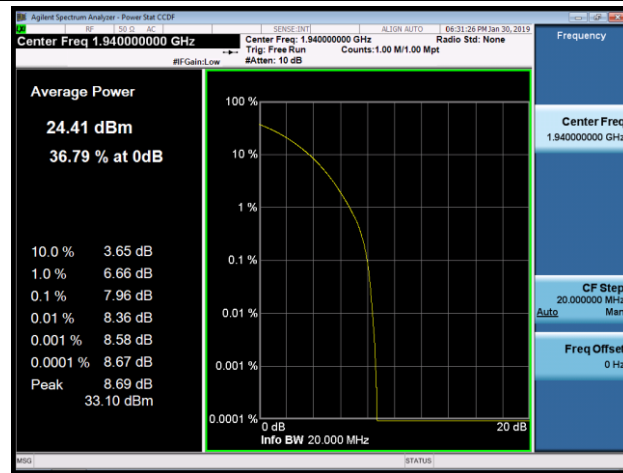
1980.0MHz



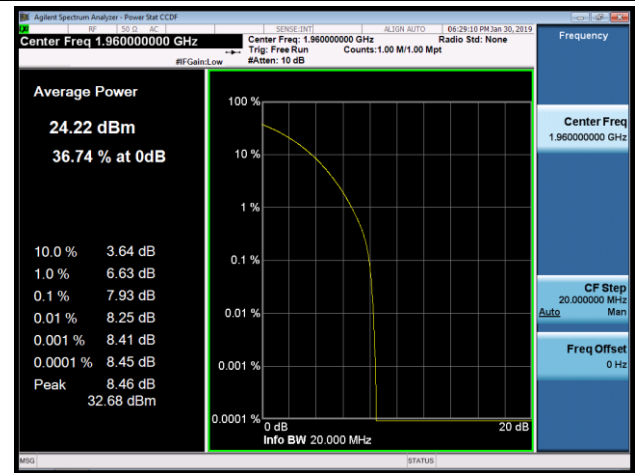
# Peak to Average Ratio - Ant 0 (16QAM)

## 20MHz Channel Bandwidth

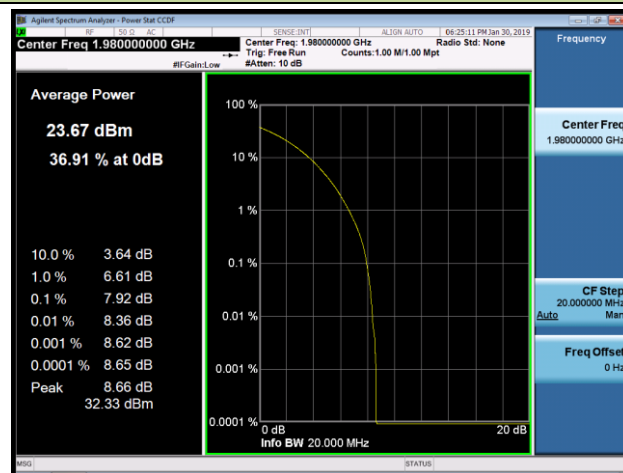
1940.0MHz



1960.0MHz



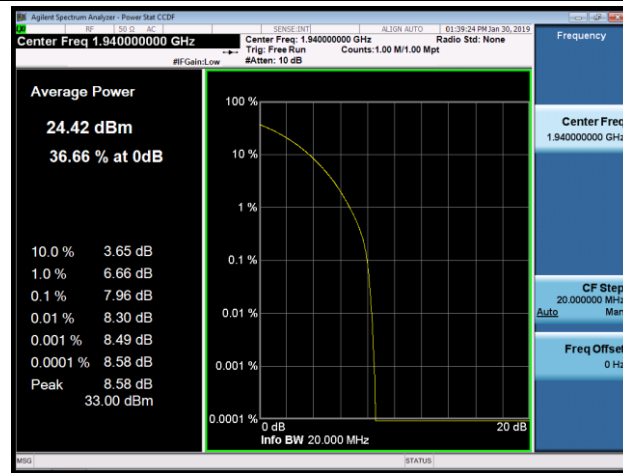
1980.0MHz



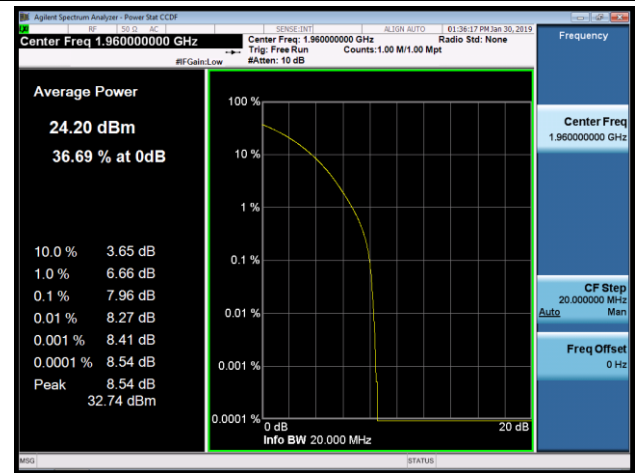
# Peak to Average Ratio - Ant 0 (64QAM)

## 20MHz Channel Bandwidth

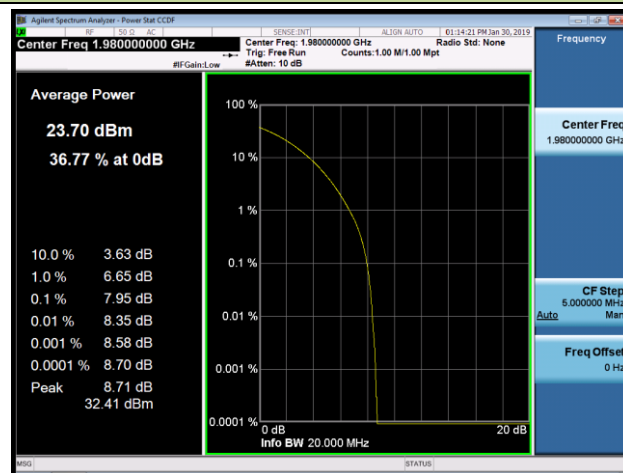
1940.0MHz



1960.0MHz



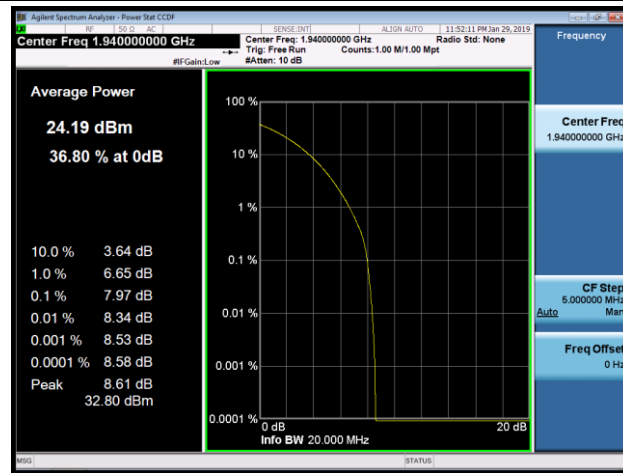
1980.0MHz



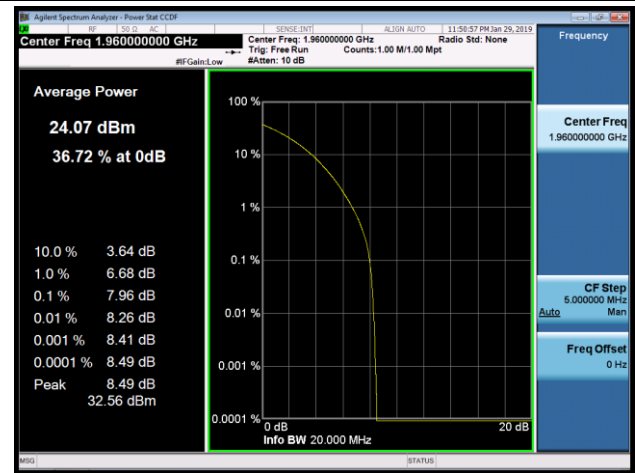
# Peak to Average Ratio - Ant 0 (256QAM)

## 20MHz Channel Bandwidth

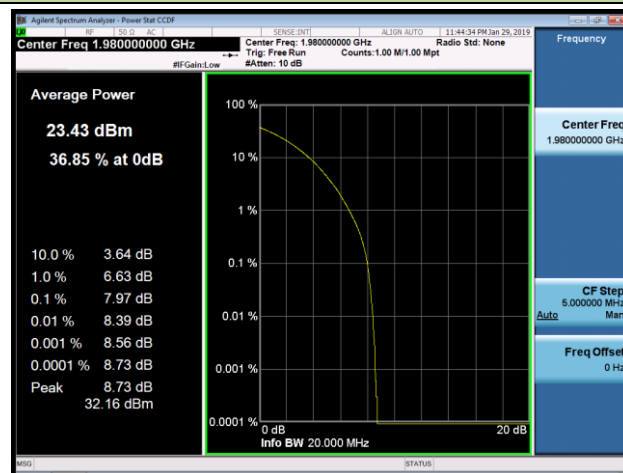
1940.0MHz



1960.0MHz



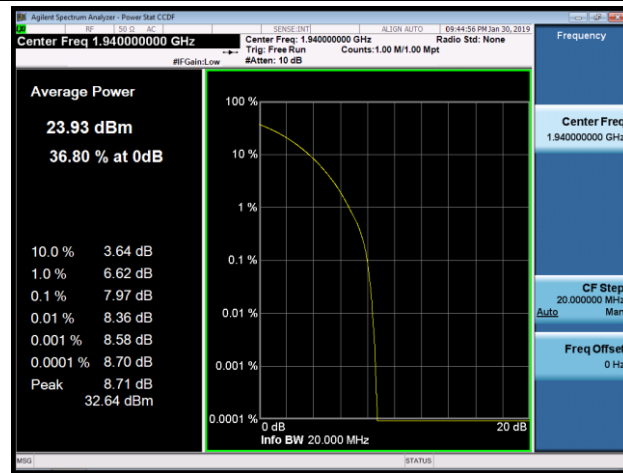
1980.0MHz



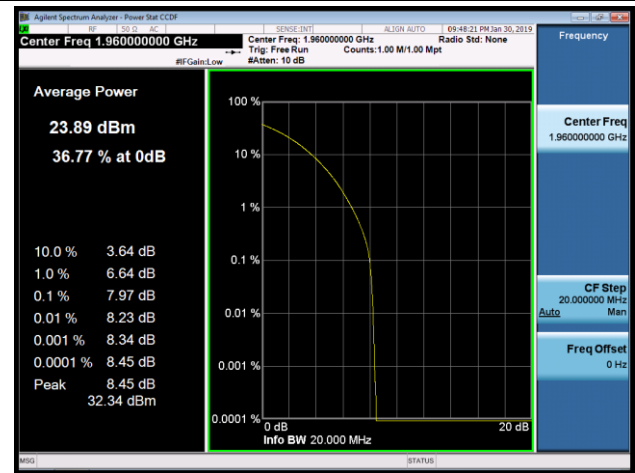
# Peak to Average Ratio - Ant 1 (QPSK)

## 20MHz Channel Bandwidth

1940.0MHz



1960.0MHz



1980.0MHz

