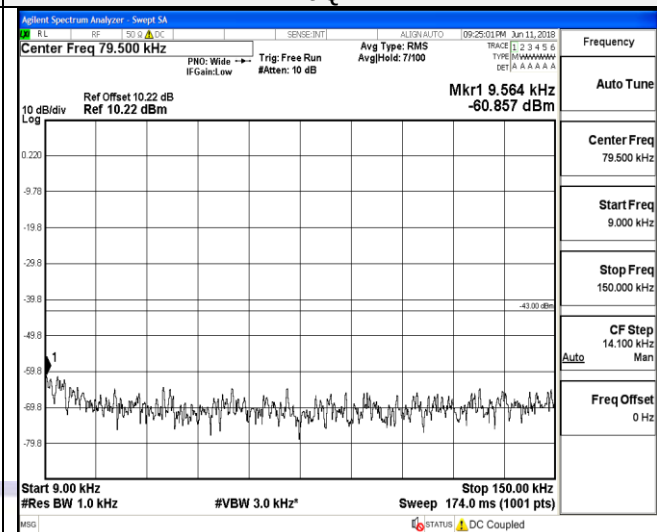
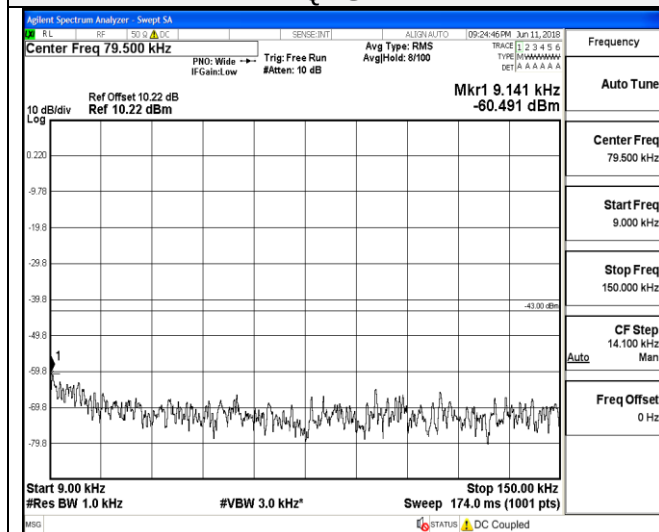


## LTE FDD Band 4-3MHz Channel Bandwidth

## High Channel

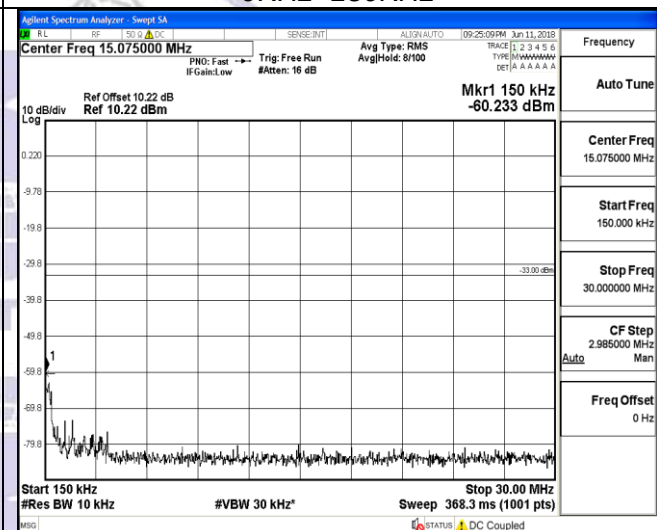
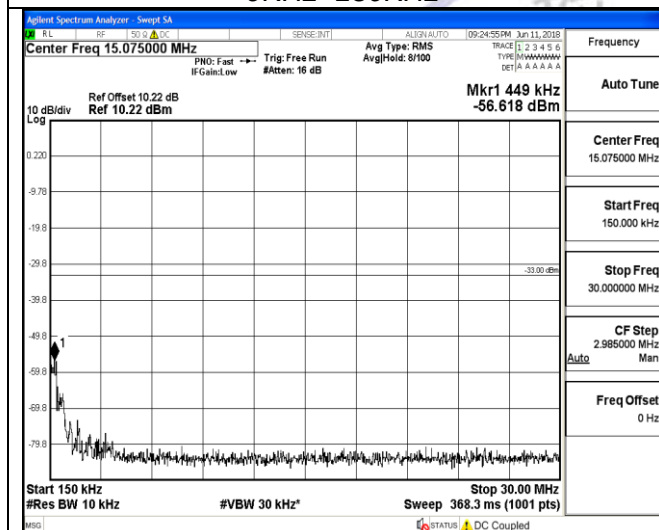
## QPSK

## 16QAM



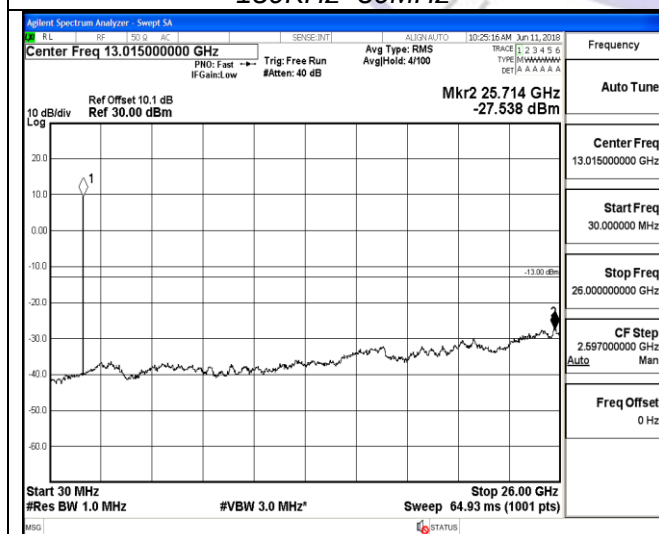
## 9KHz~150KHz

## 9KHz~150KHz



## 150KHz~30MHz

## 150KHz~30MHz



## 30MHz~26.5GHz

## 30MHz~26.5GHz

## 1RB#0

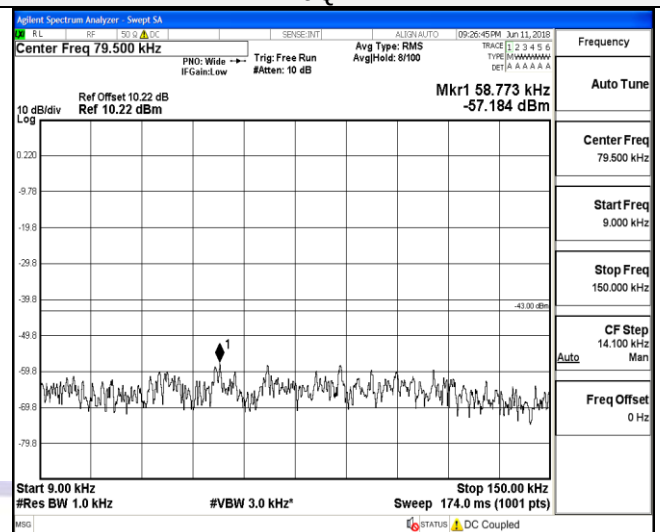
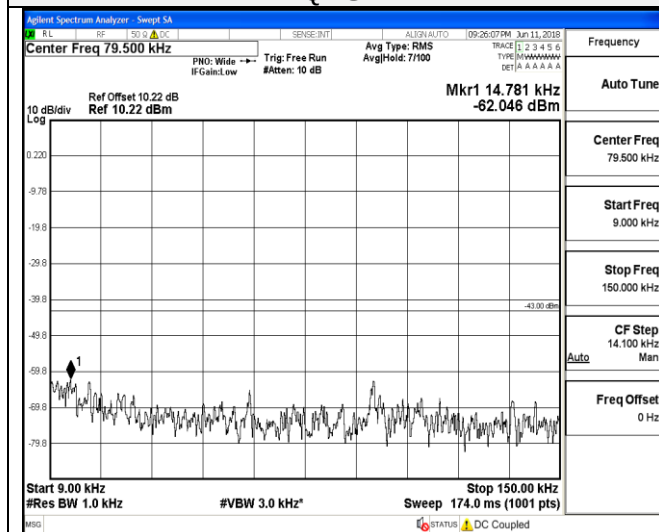
## 1RB#0

## LTE FDD Band 4-5MHz Channel Bandwidth

## Low Channel

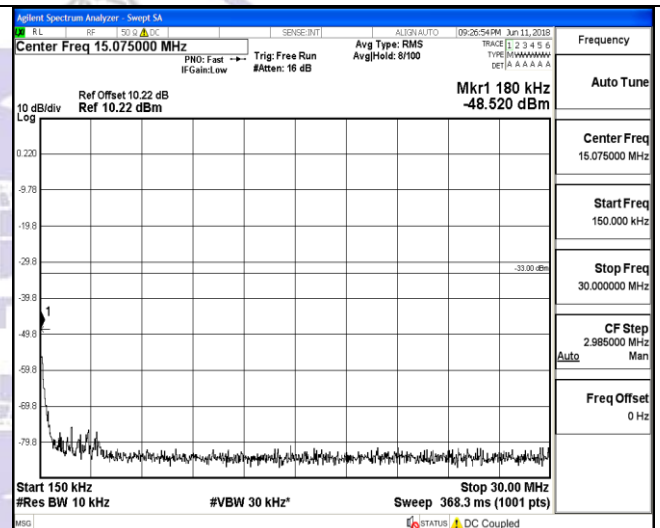
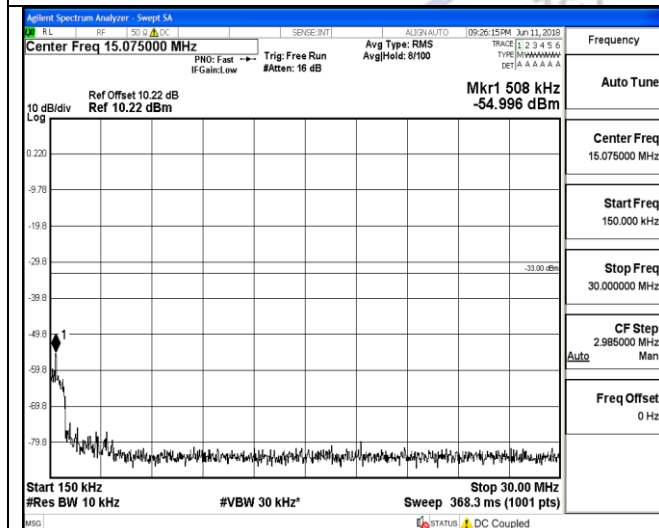
## QPSK

## 16QAM



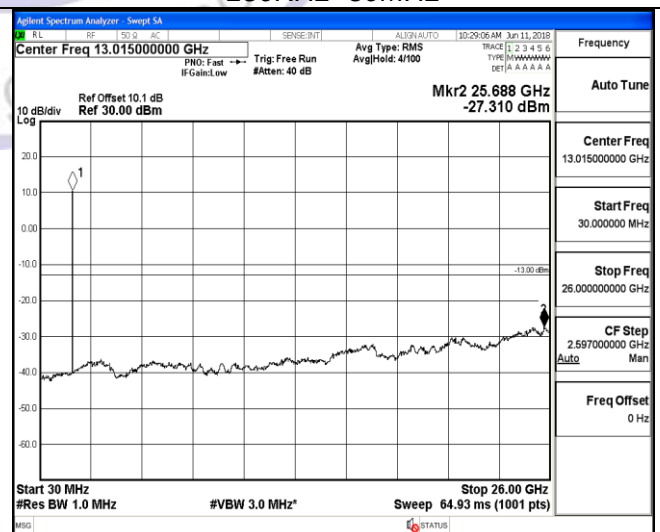
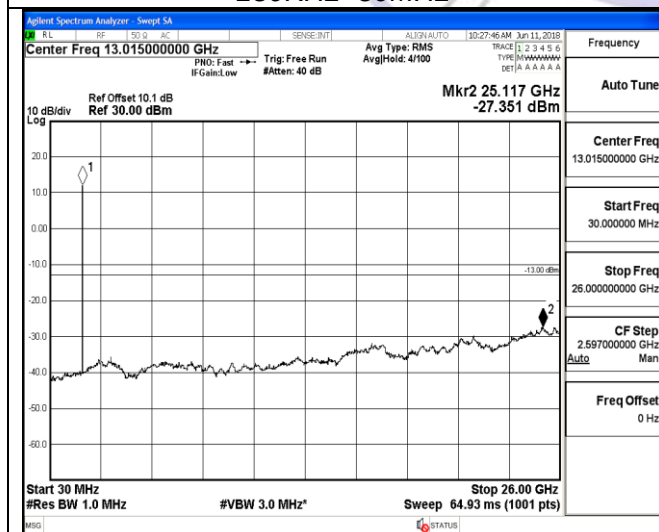
## 9KHz~150KHz

## 9KHz~150KHz



## 150KHz~30MHz

## 150KHz~30MHz



## 30MHz~26.5GHz

## 30MHz~26.5GHz

## 1RB#0

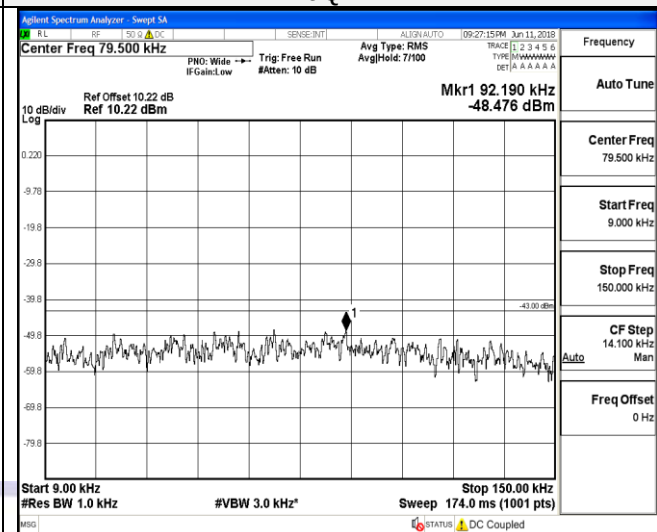
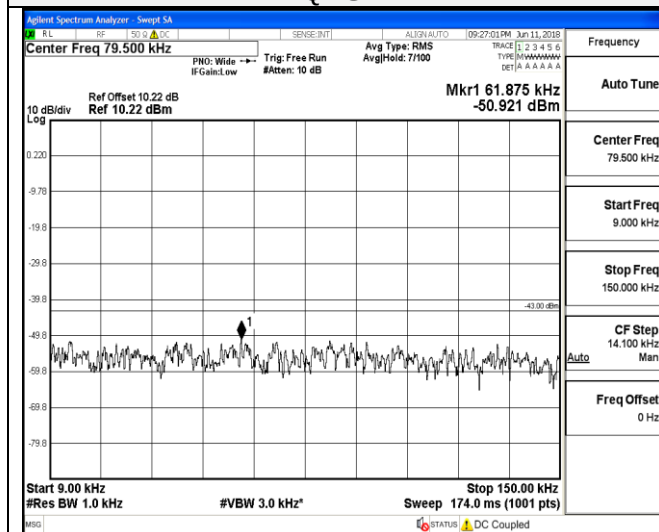
## 1RB#0

## LTE FDD Band 4-5MHz Channel Bandwidth

## Middle Channel

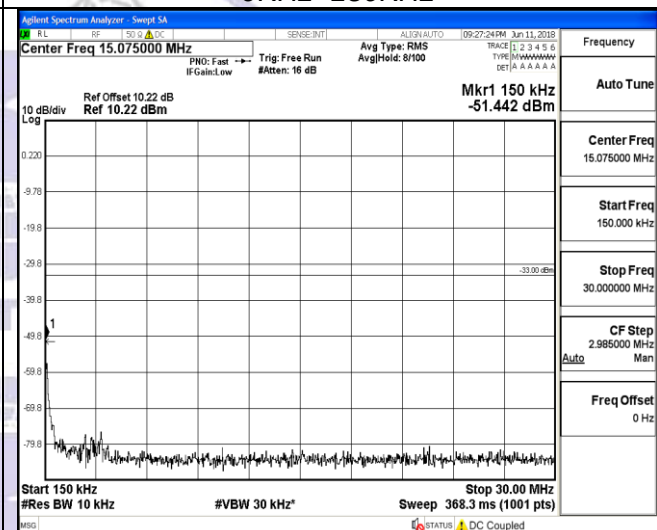
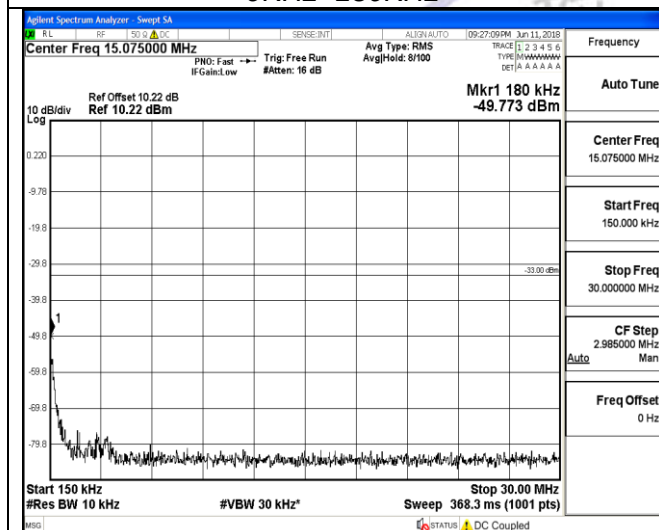
## QPSK

## 16QAM



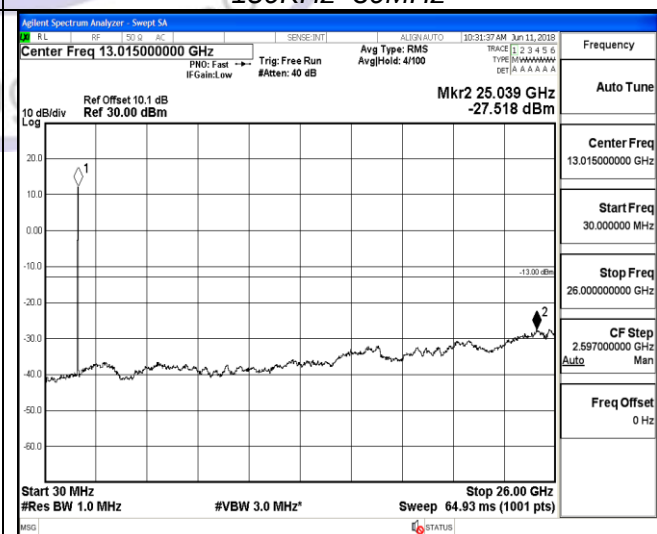
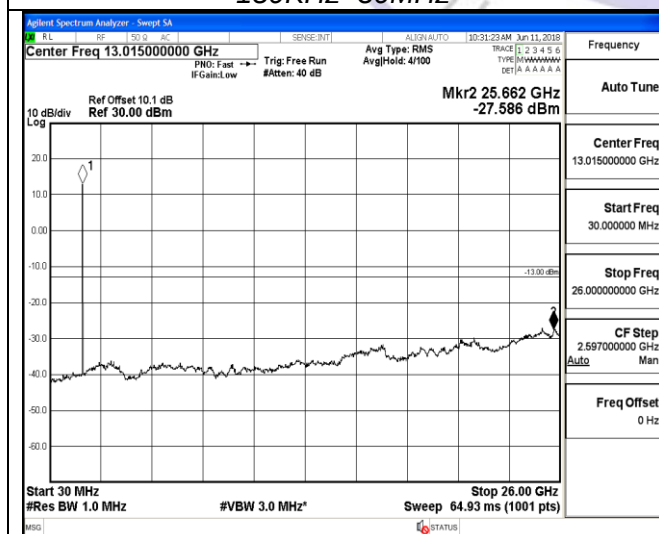
## 9KHz~150KHz

## 9KHz~150KHz



## 150KHz~30MHz

## 150KHz~30MHz



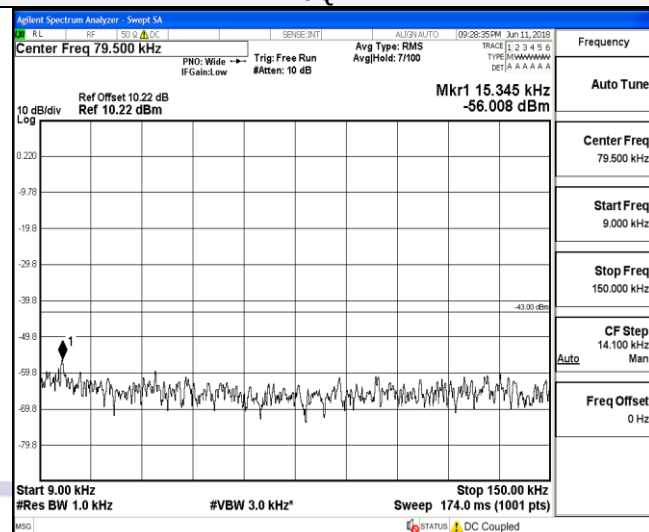
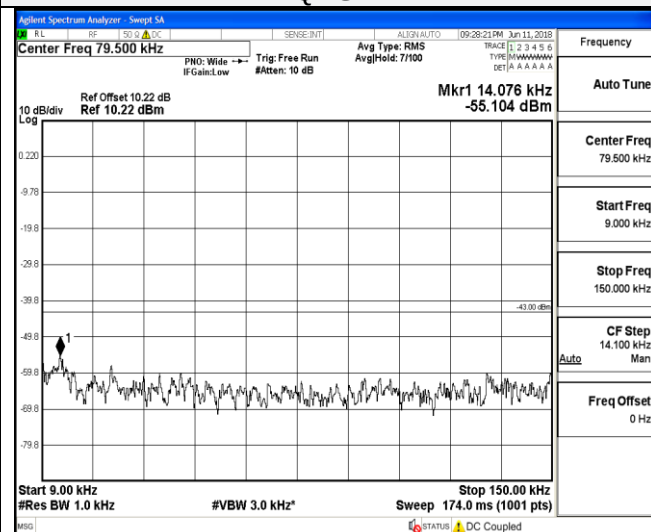
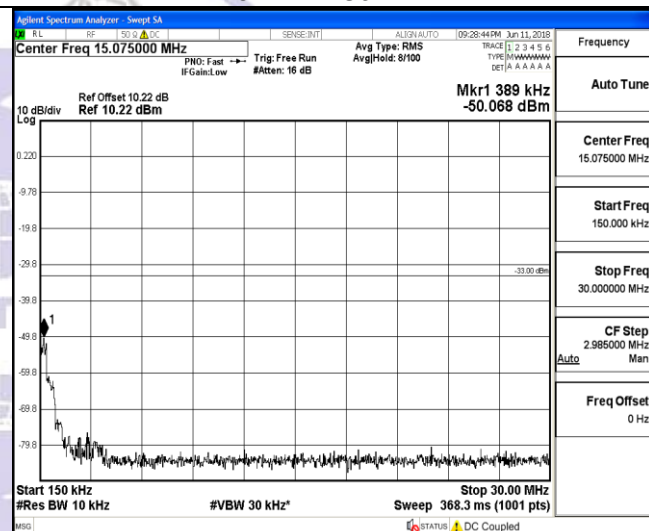
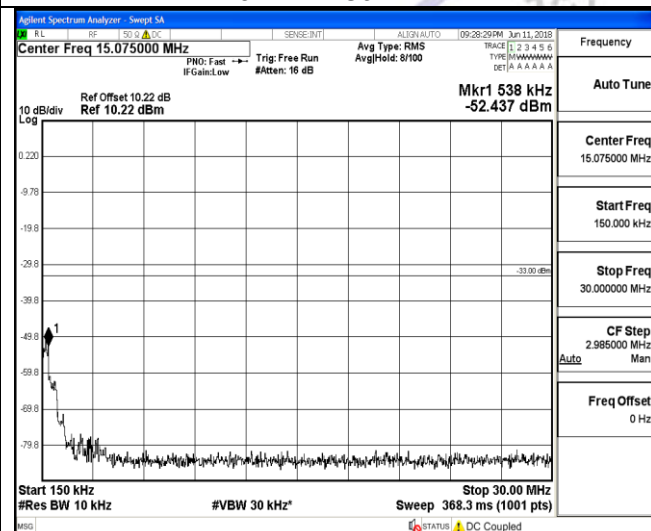
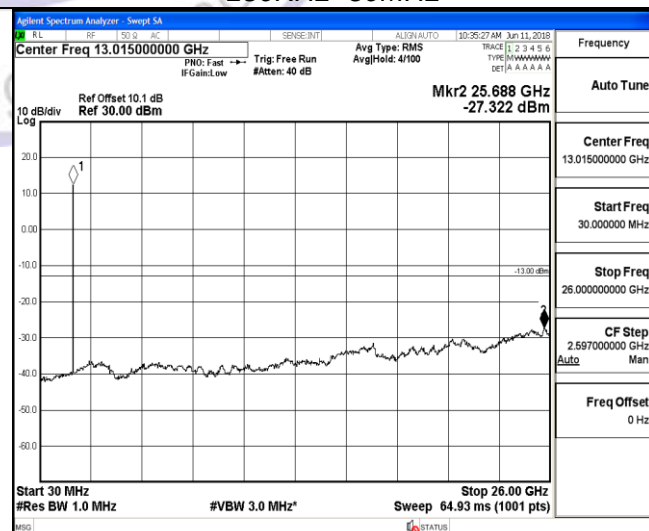
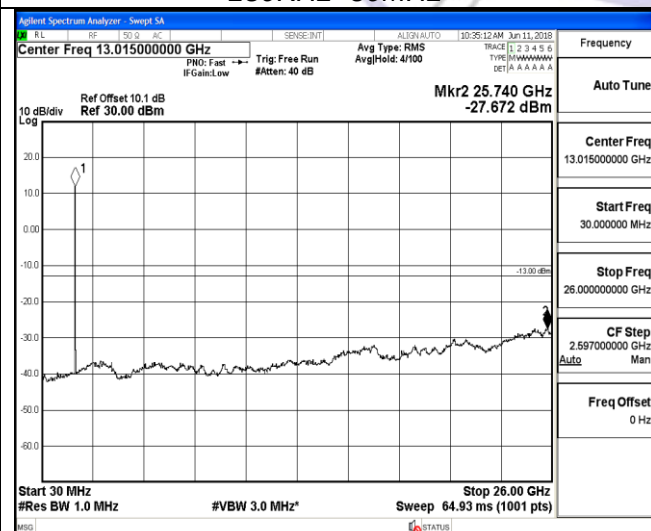
## 30MHz~26.5GHz

## 30MHz~26.5GHz

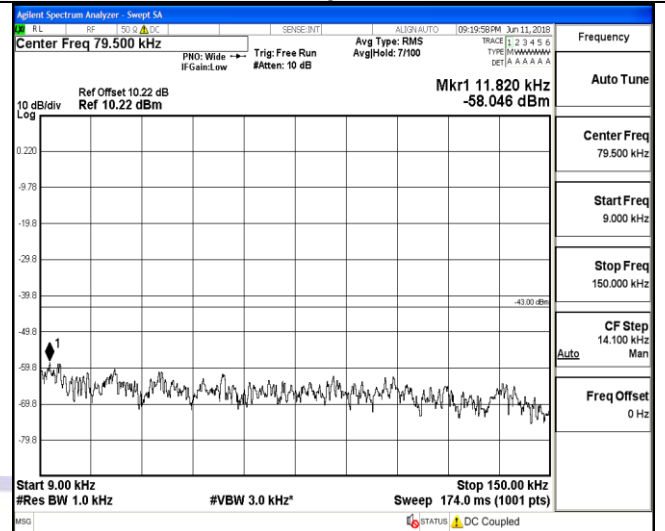
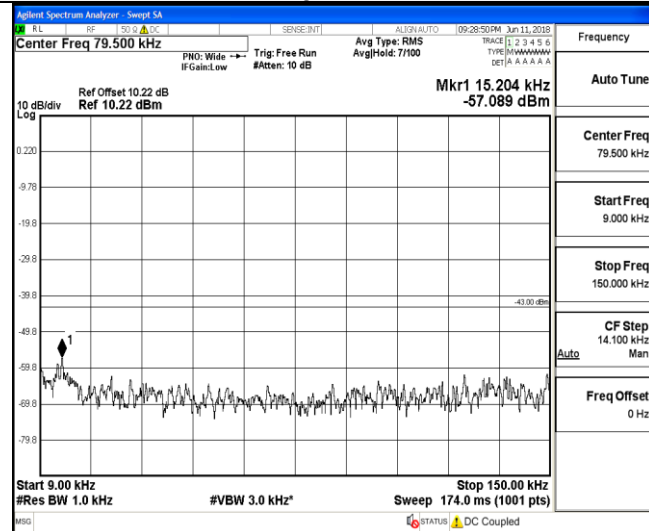
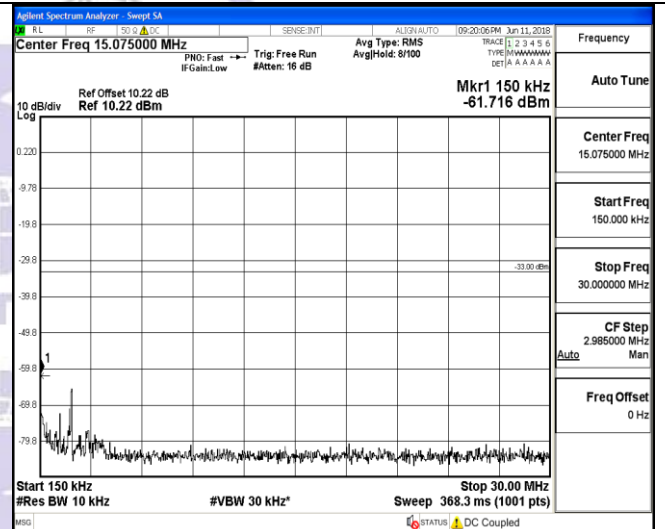
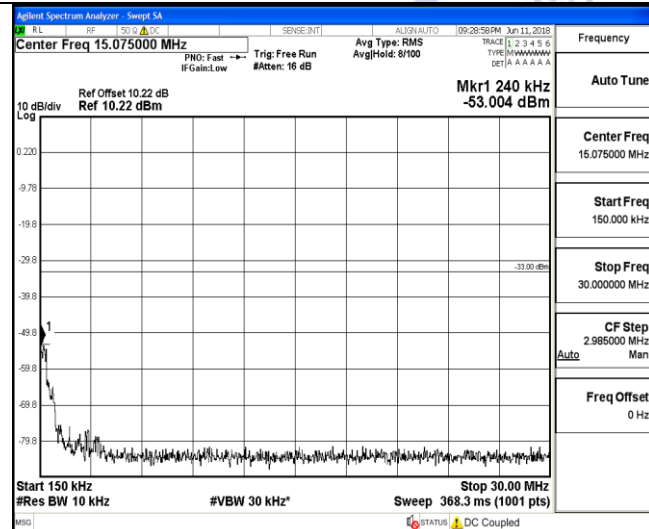
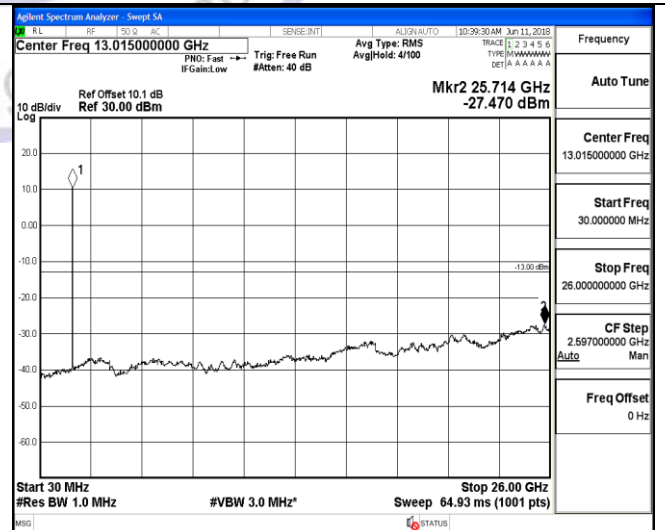
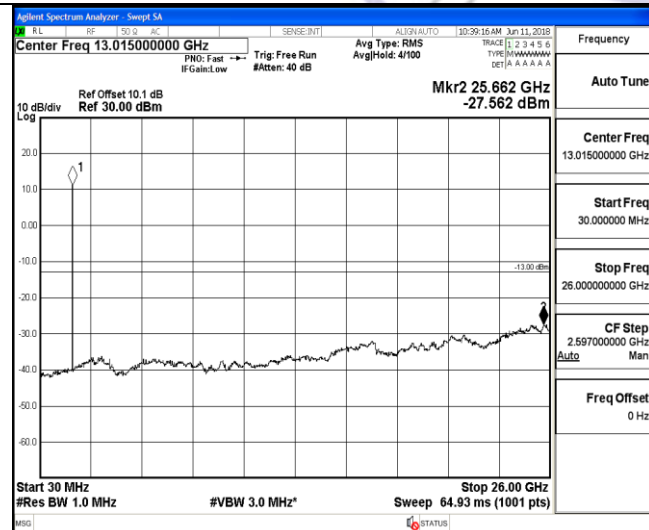
## 1RB#0

## 1RB#0

**LTE FDD Band 4-5MHz Channel Bandwidth**  
**High Channel**

**QPSK****16QAM****9KHz~150KHz****9KHz~150KHz****150KHz~30MHz****150KHz~30MHz****30MHz~26.5GHz****30MHz~26.5GHz****1RB#0****1RB#0**

**LTE FDD Band 4-10MHz Channel Bandwidth**  
**Low Channel**

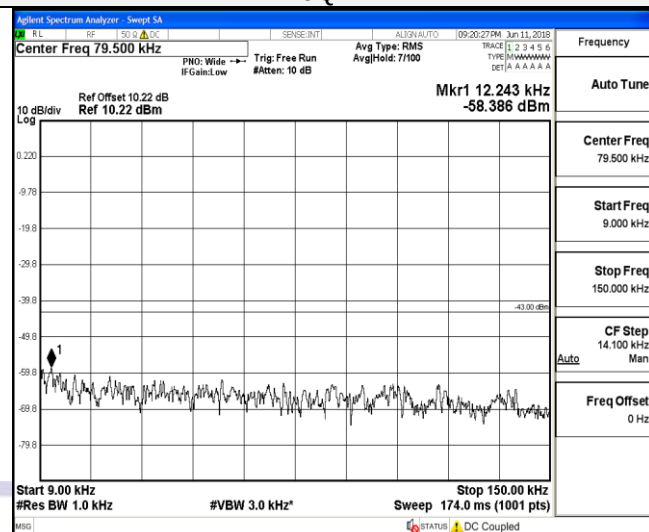
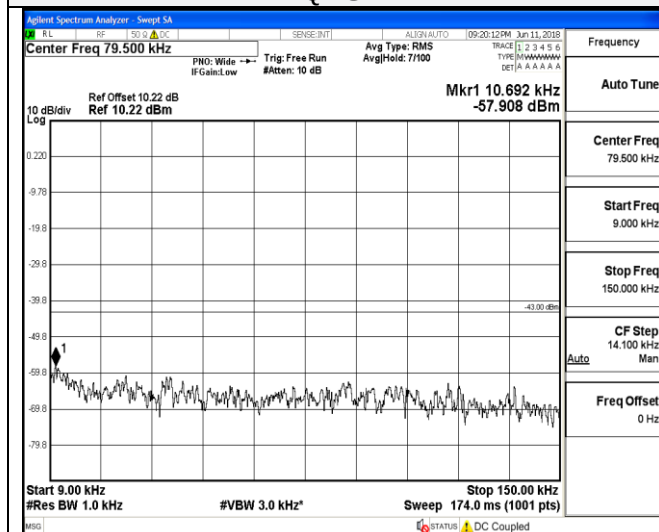
**QPSK****16QAM****9KHz~150KHz****9KHz~150KHz****150KHz~30MHz****150KHz~30MHz****30MHz~26.5GHz****30MHz~26.5GHz****1RB#0****1RB#0**

## LTE FDD Band 4-10MHz Channel Bandwidth

## Middle Channel

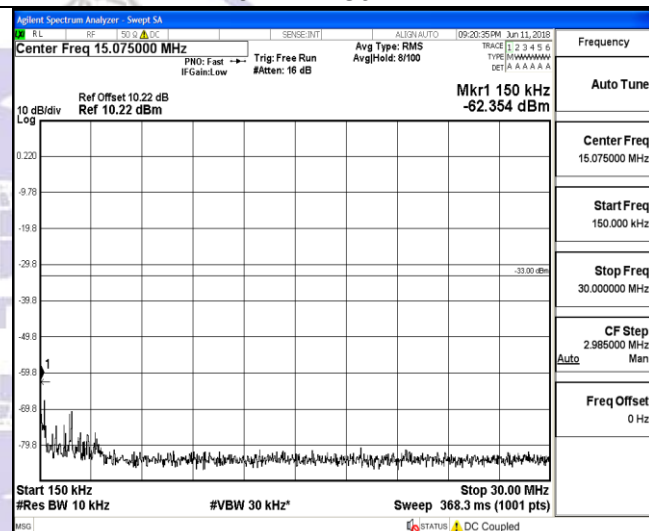
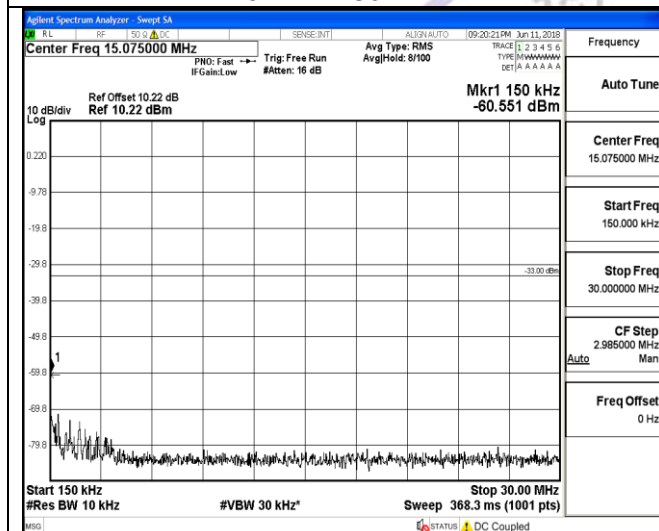
## QPSK

## 16QAM



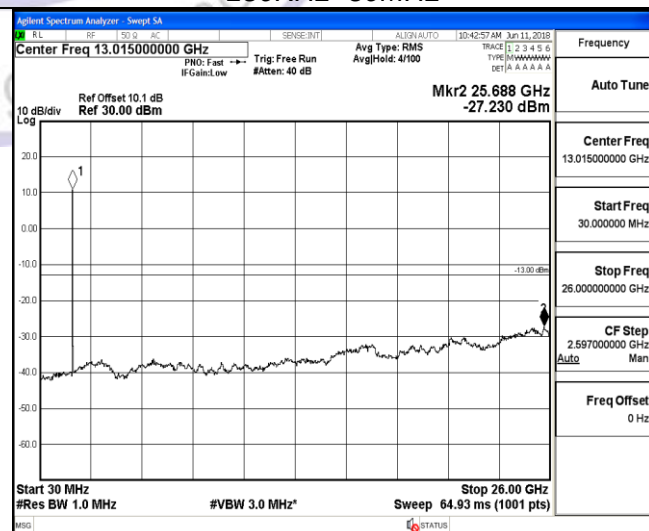
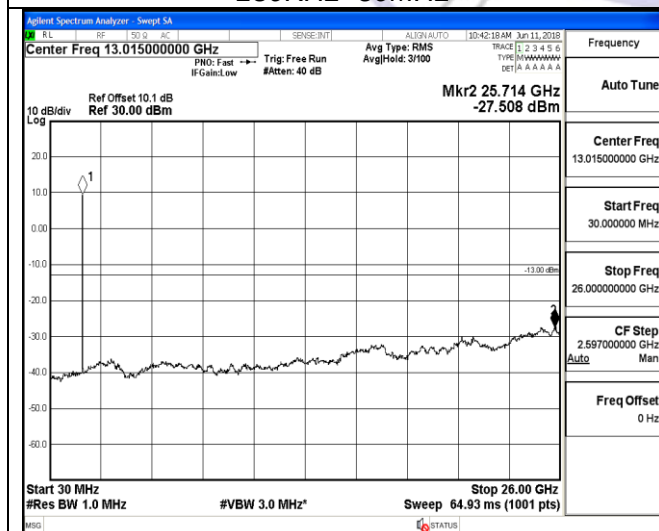
## 9KHz~150KHz

## 9KHz~150KHz



## 150KHz~30MHz

## 150KHz~30MHz



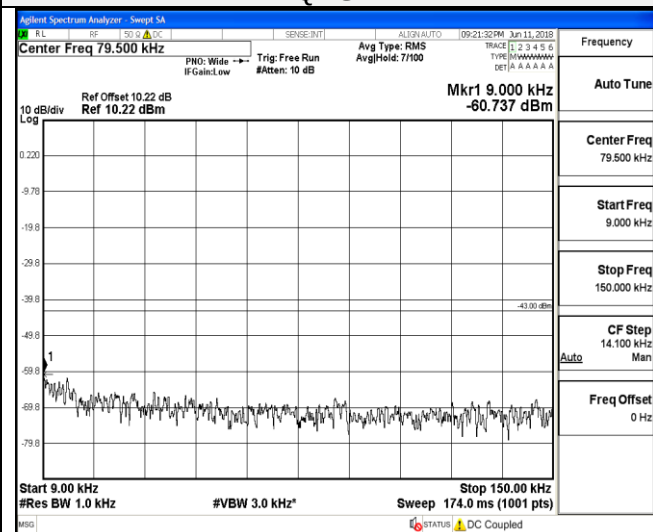
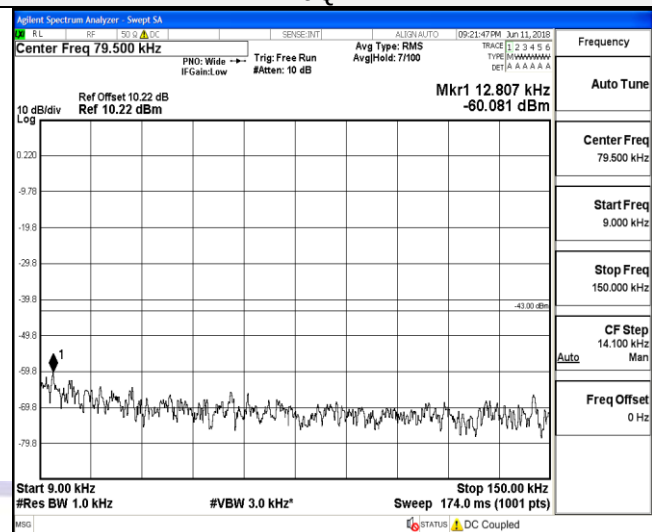
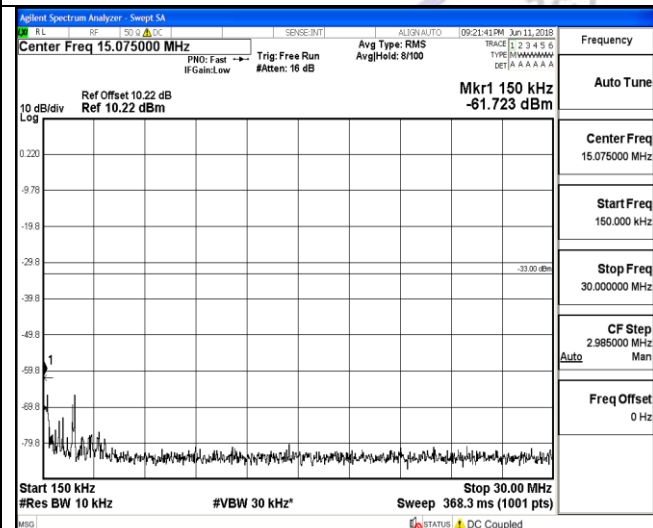
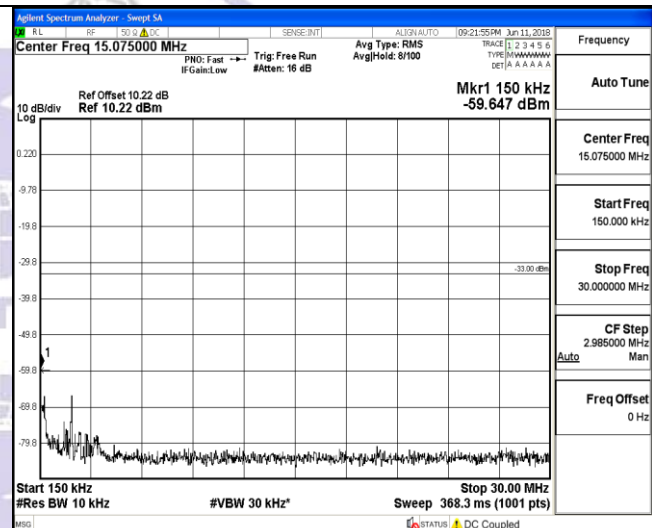
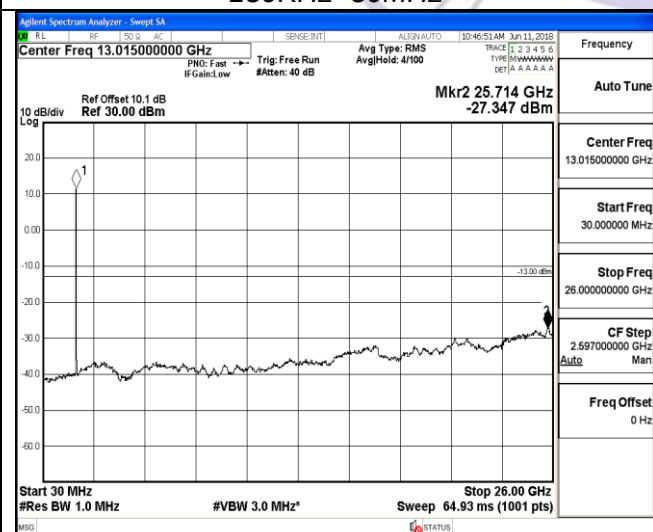
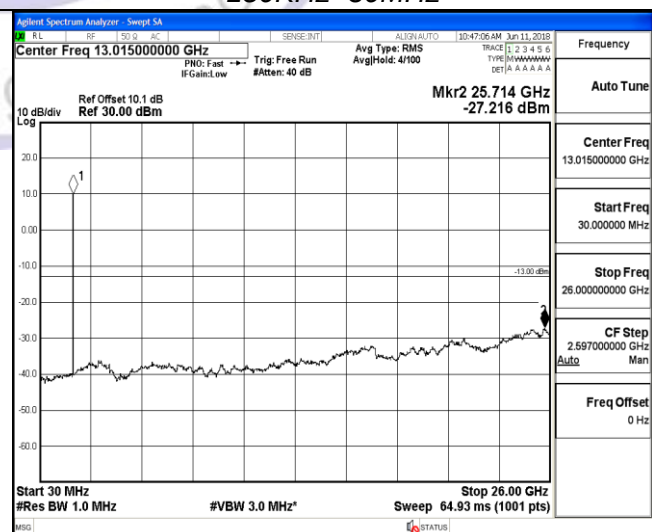
## 30MHz~26.5GHz

## 30MHz~26.5GHz

## 1RB#0

## 1RB#0

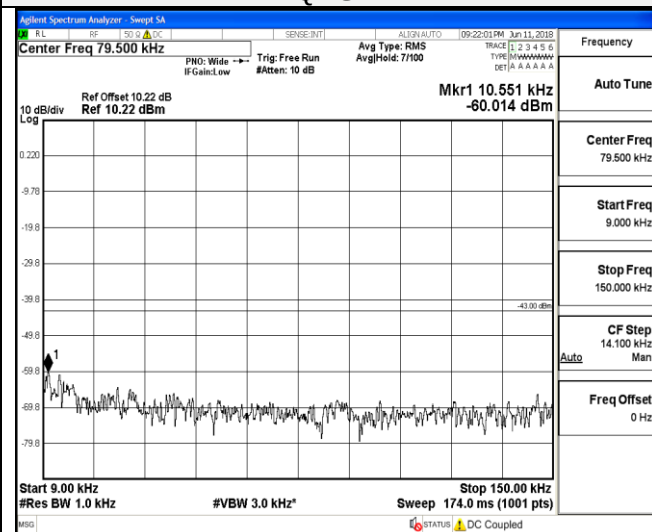
**LTE FDD Band 4-10MHz Channel Bandwidth**  
**High Channel**

**QPSK****16QAM****9KHz~150KHz****9KHz~150KHz****150KHz~30MHz****150KHz~30MHz****30MHz~26.5GHz****1RB#0****30MHz~26.5GHz****1RB#0**

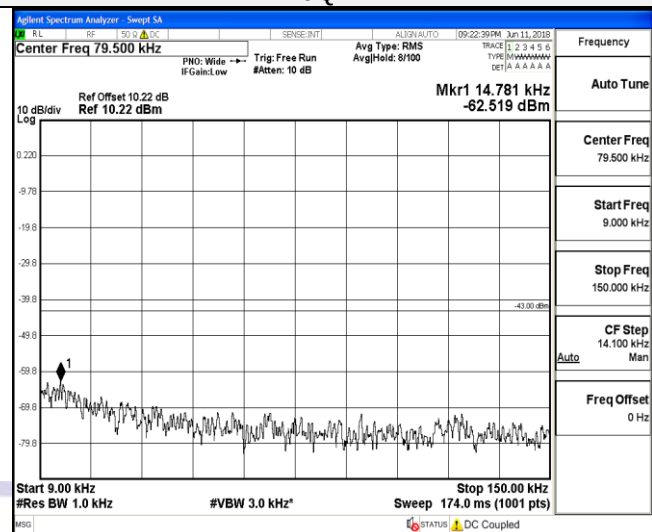
## LTE FDD Band 4-15MHz Channel Bandwidth

## Low Channel

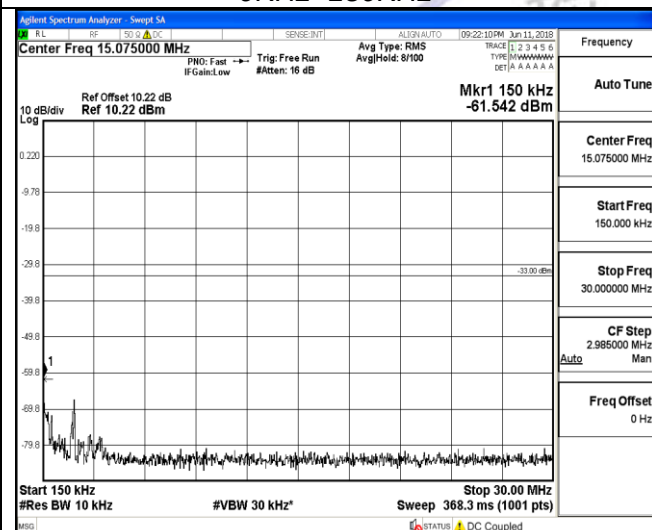
## QPSK



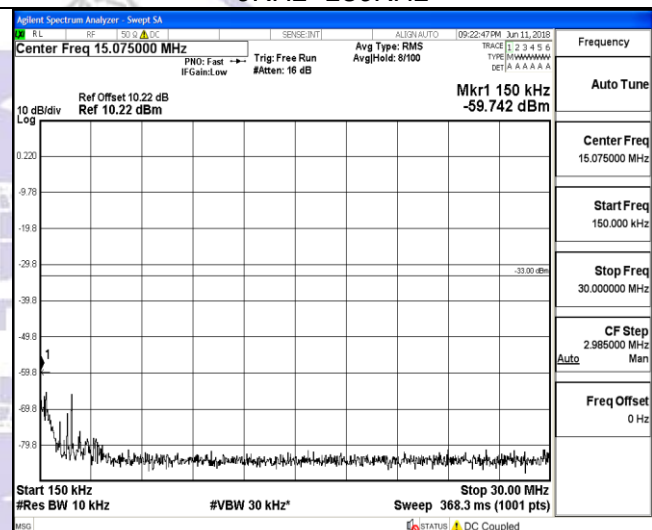
## 16QAM



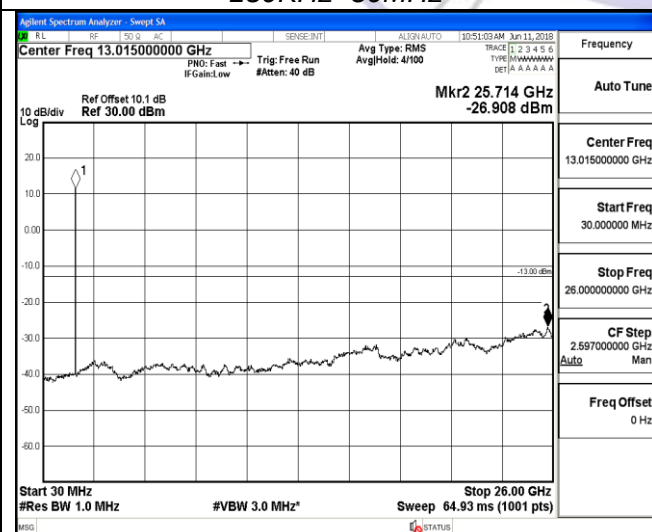
## 9KHz~150KHz



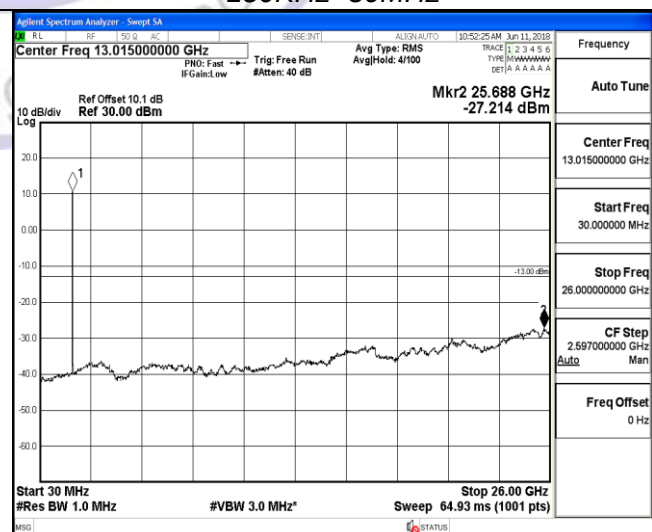
## 9KHz~150KHz



## 150KHz~30MHz



## 150KHz~30MHz



## 30MHz~26.5GHz

## 1RB#0

## 30MHz~26.5GHz

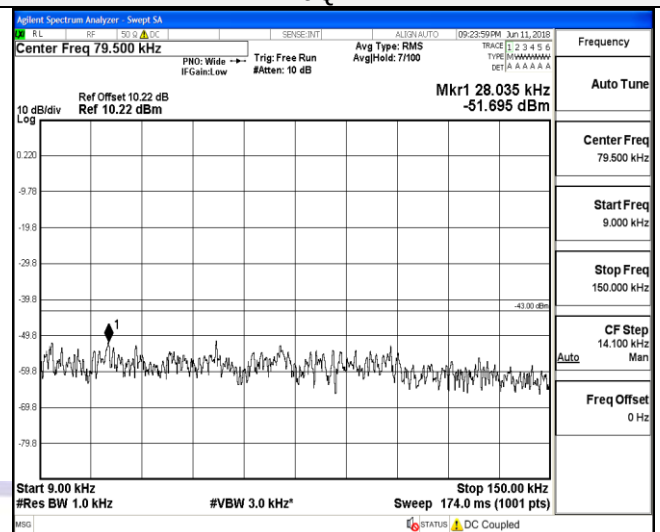
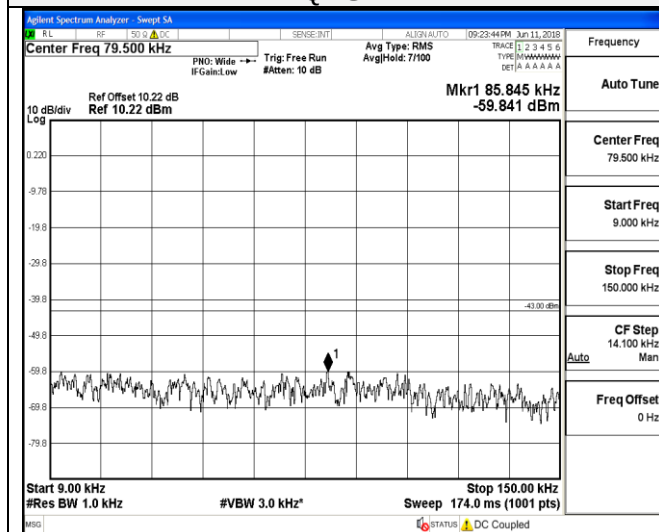
## 1RB#0

## LTE FDD Band 4-15MHz Channel Bandwidth

## Middle Channel

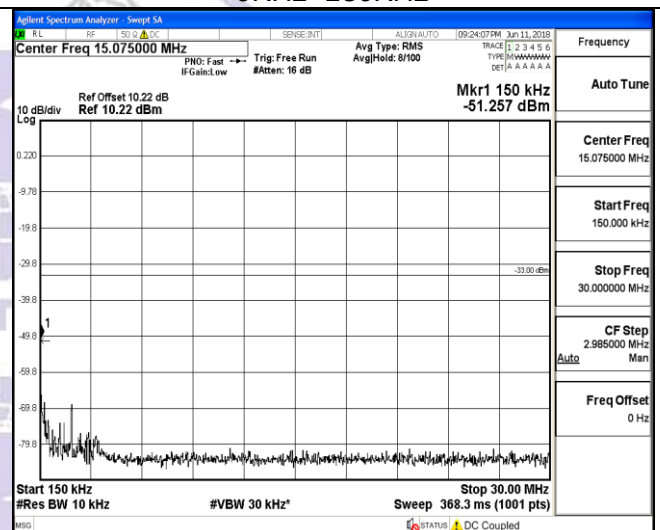
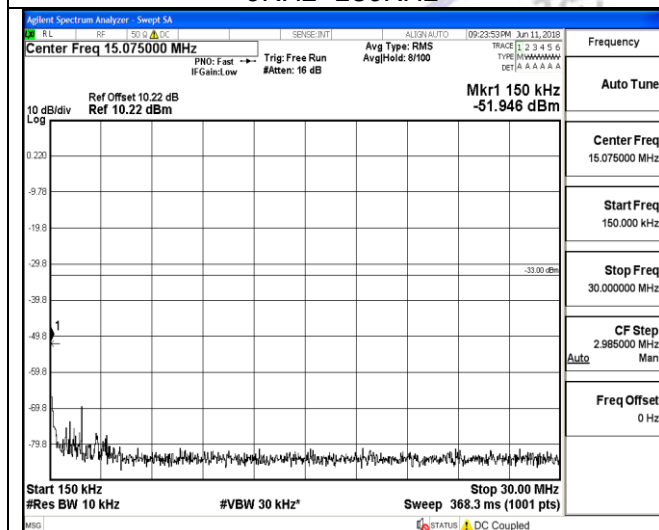
## QPSK

## 16QAM



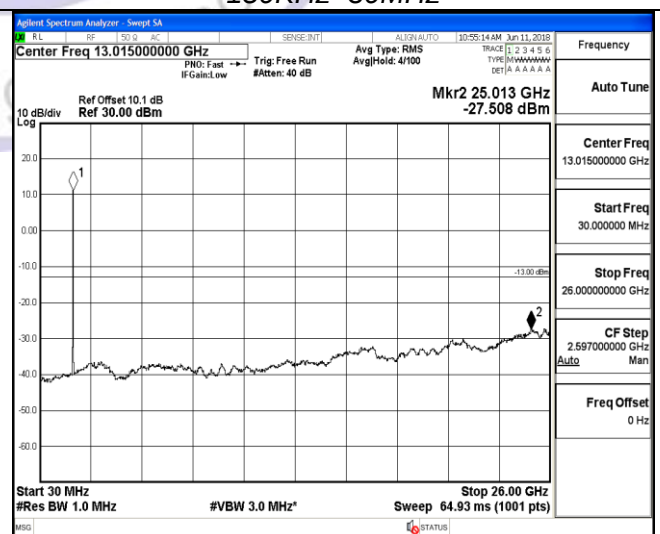
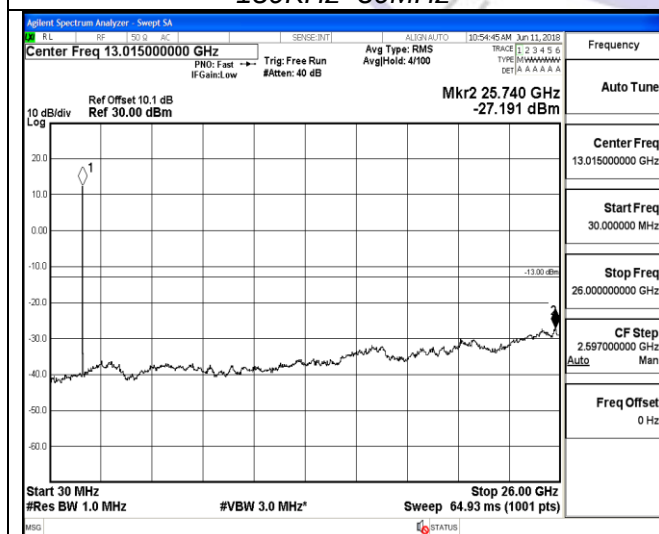
## 9KHz~150KHz

## 9KHz~150KHz



## 150KHz~30MHz

## 150KHz~30MHz



## 30MHz~26.5GHz

## 30MHz~26.5GHz

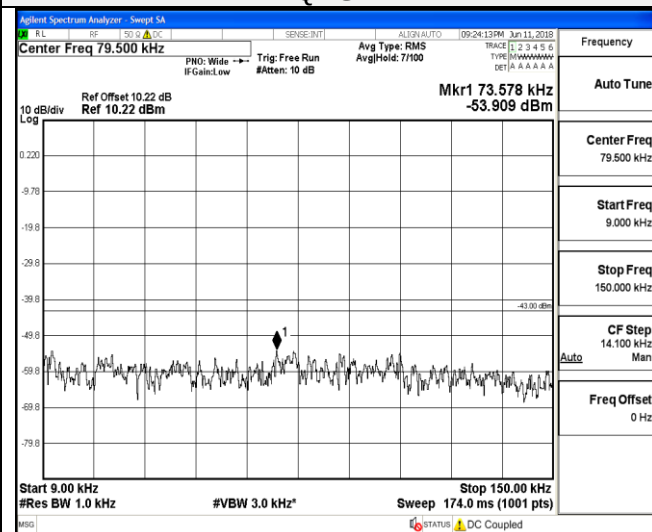
## 1RB#0

## 1RB#0

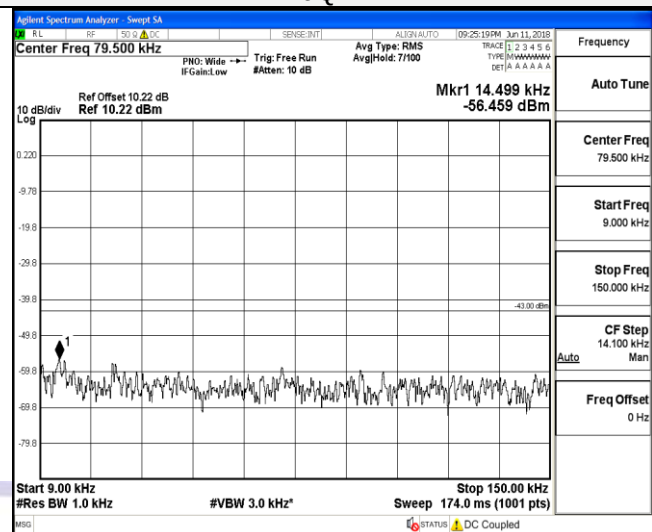
## LTE FDD Band 4-15MHz Channel Bandwidth

## High Channel

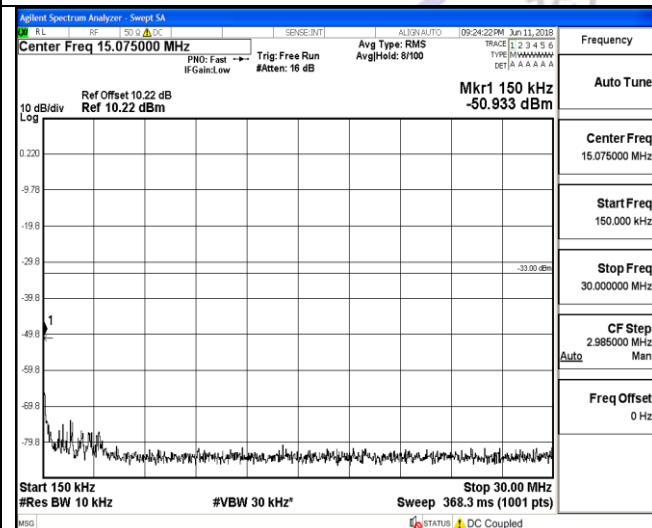
## QPSK



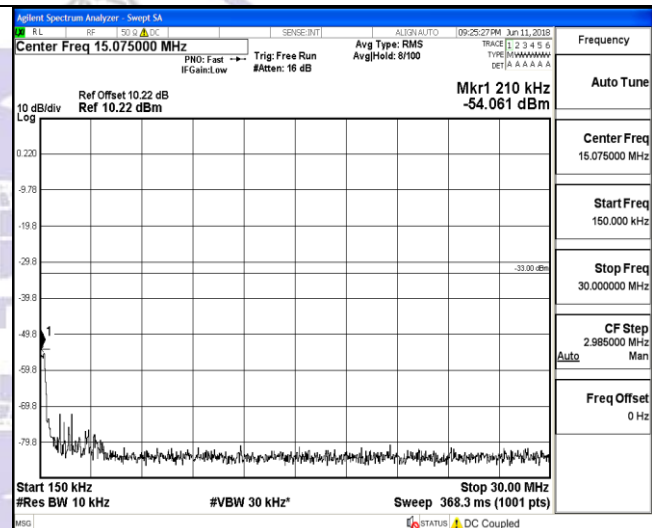
## 16QAM



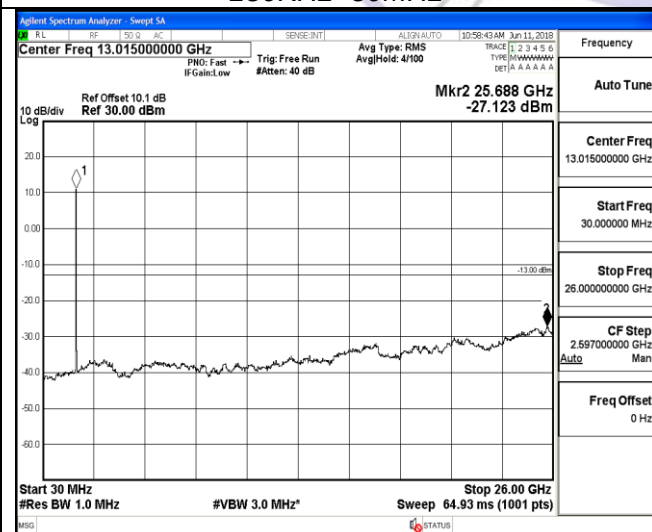
## 9KHz~150KHz



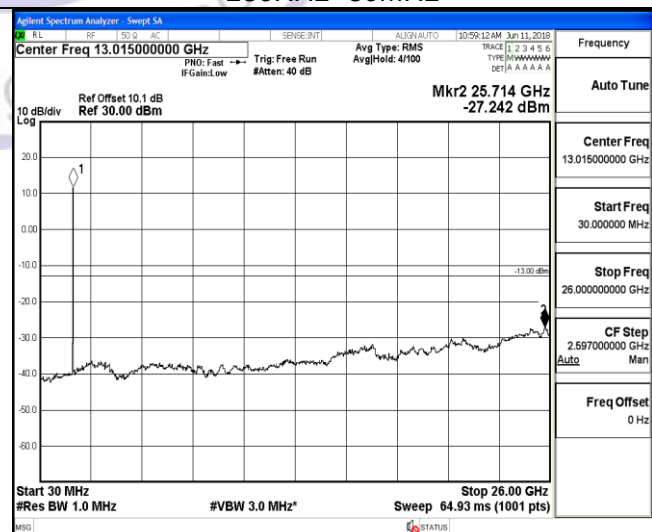
## 9KHz~150KHz



## 150KHz~30MHz



## 150KHz~30MHz



## 30MHz~26.5GHz

## 1RB#0

## 30MHz~26.5GHz

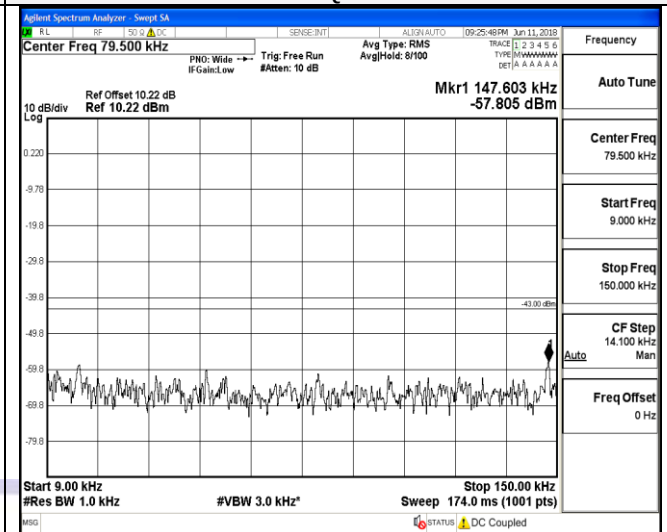
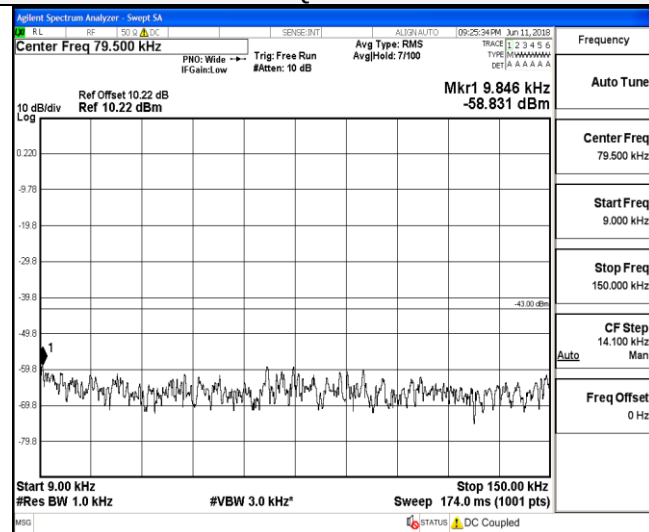
## 1RB#0

## LTE FDD Band 4-20MHz Channel Bandwidth

## Low Channel

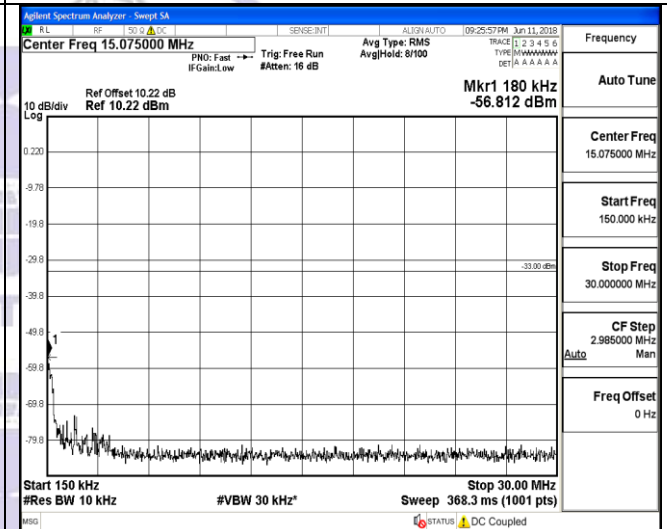
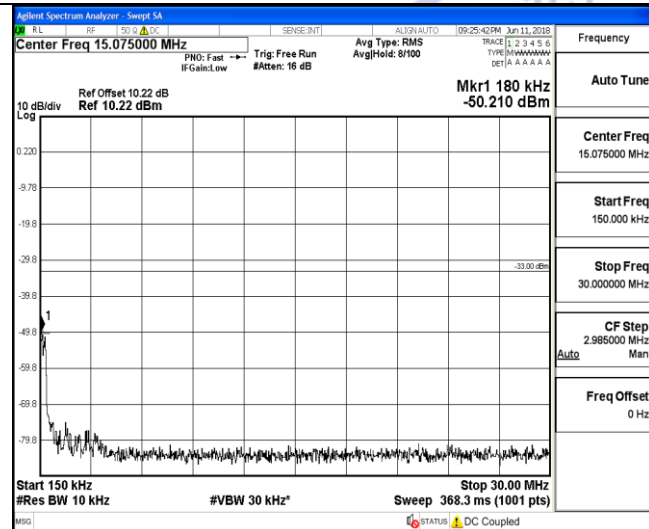
## QPSK

## 16QAM



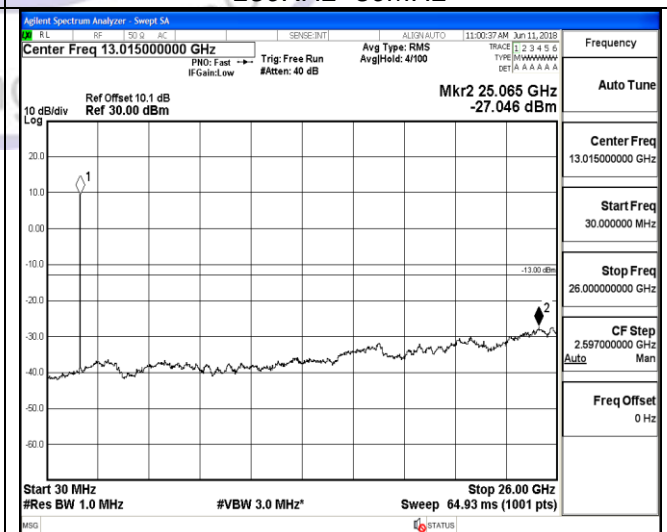
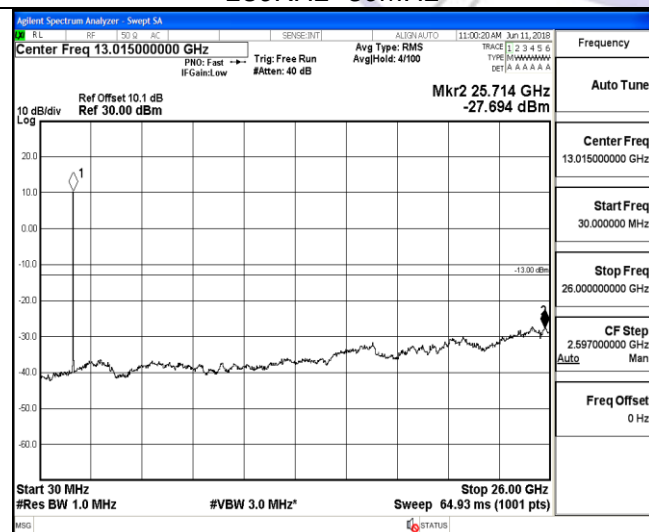
## 9KHz~150KHz

## 9KHz~150KHz



## 150KHz~30MHz

## 150KHz~30MHz



## 30MHz~26.5GHz

## 30MHz~26.5GHz

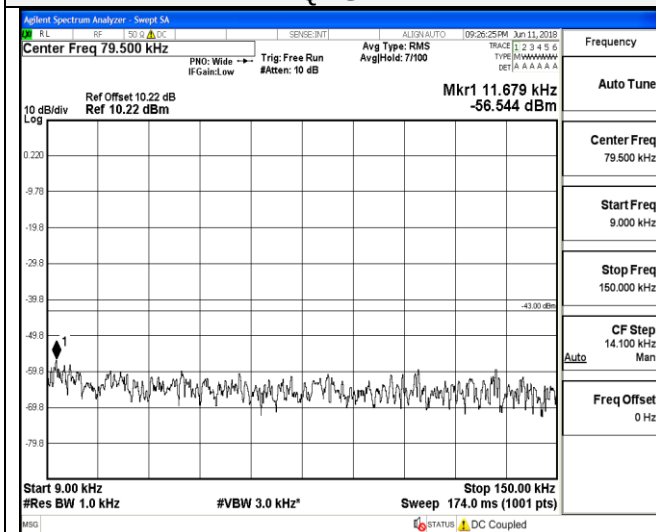
## 1RB#0

## 1RB#0

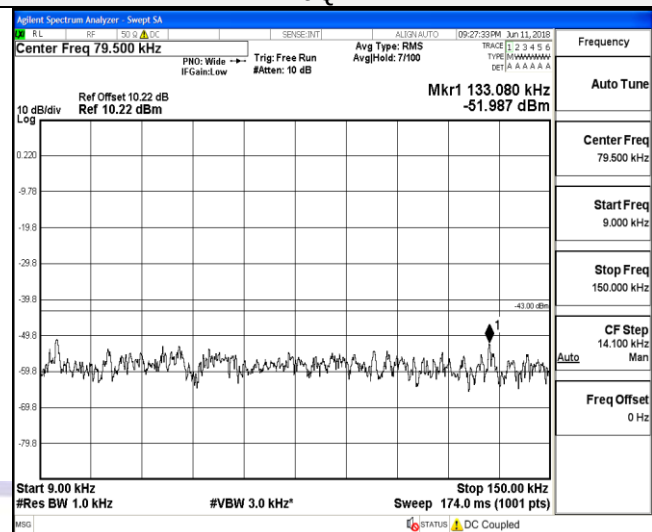
## LTE FDD Band 4-20MHz Channel Bandwidth

## Middle Channel

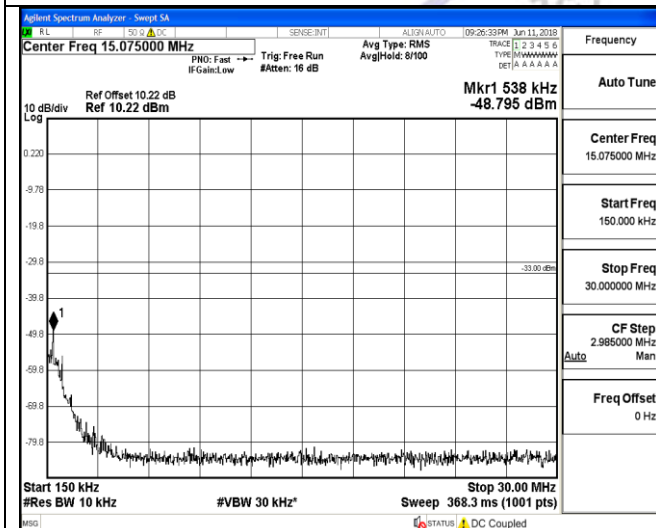
## QPSK



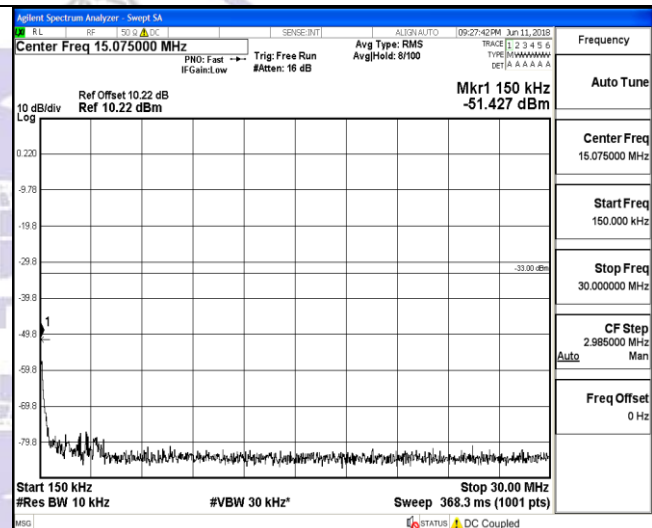
## 16QAM



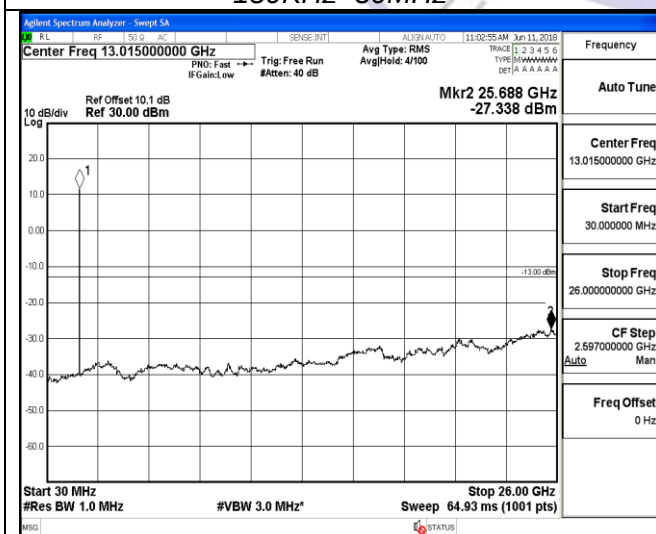
## 9KHz~150KHz



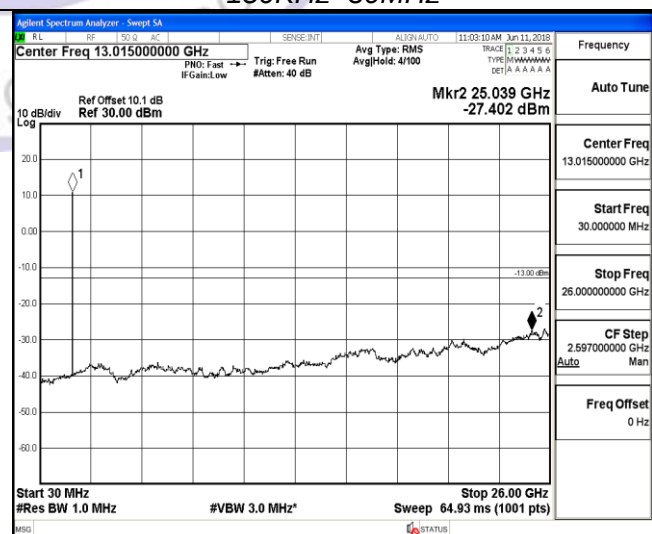
## 9KHz~150KHz



## 150KHz~30MHz



## 150KHz~30MHz



## 30MHz~26.5GHz

## 1RB#0

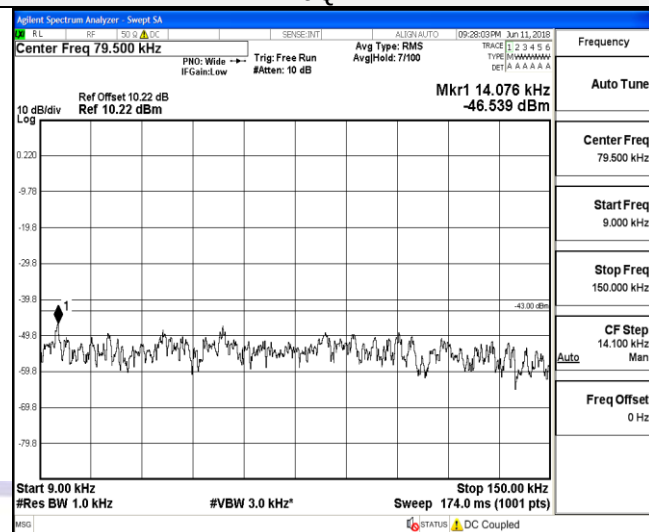
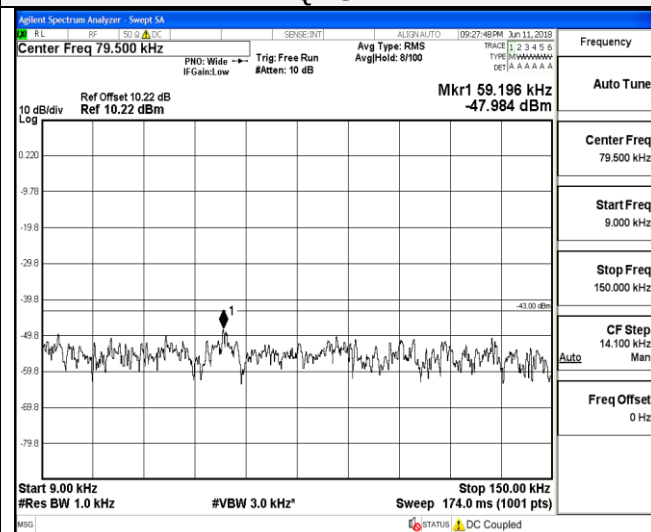
## 30MHz~26.5GHz

## 1RB#0

**LTE FDD Band 4-20MHz Channel Bandwidth**  
**High Channel**

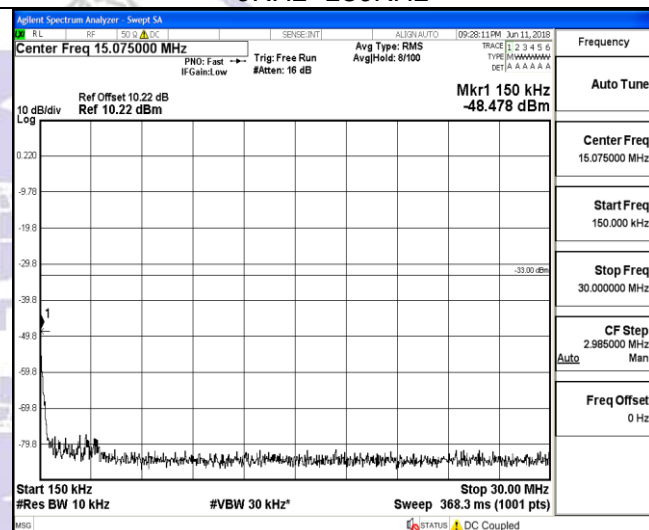
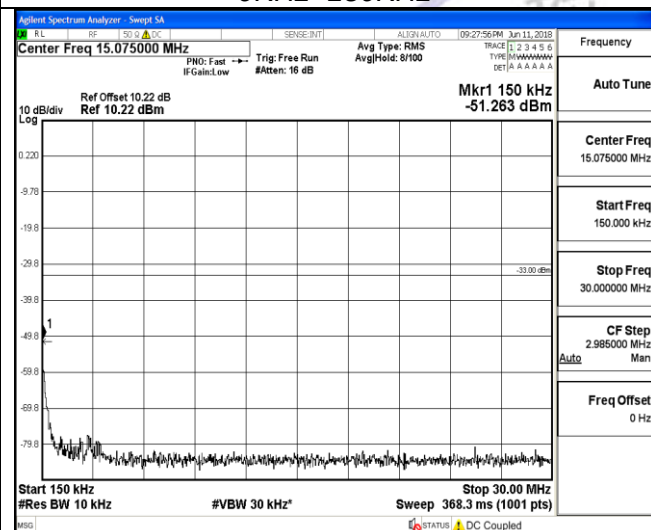
**QPSK**

**16QAM**



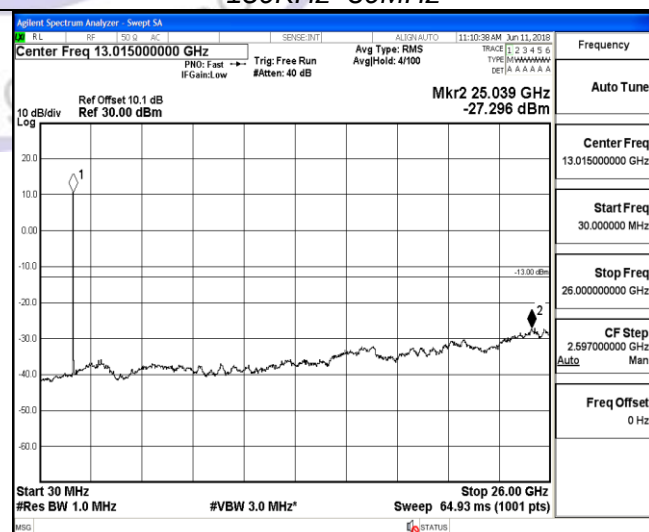
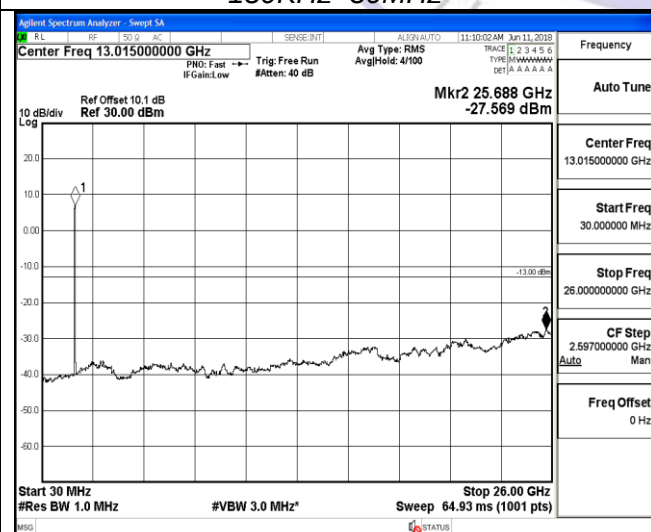
**9KHz~150KHz**

**9KHz~150KHz**



**150KHz~30MHz**

**150KHz~30MHz**



**30MHz~26.5GHz**

**30MHz~26.5GHz**

**1RB#0**

**1RB#0**

**Radiated Measurement:**

Remark:

1. We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 4; recorded worst case for each Channel Bandwidth of LTE FDD Band 4 @ QPSK
2.  $EIRP = P_{Mea}(dBm) - P_{cl}(dB) + G_a(dBi)$
3. We were not recorded other points as values lower than limits.
4.  $Margin = Limit - EIRP$

*LTE FDD Band 4\_Channel Bandwidth 1.4MHz\_QPSK\_Low Channel*

| Frequency (MHz) | P <sub>Mea</sub> (dBm) | P <sub>cl</sub> (dB) | Distance (m) | G <sub>a</sub> Antenna Gain(dB) | Peak EIRP (dBm) | Limit (dBm) | Margin (dB) | Polarization |
|-----------------|------------------------|----------------------|--------------|---------------------------------|-----------------|-------------|-------------|--------------|
| 3421.4          | 1648.4                 | 4.02                 | 3.00         | 12.50                           | -27.57          | -13.00      | 14.57       | H            |
| 5132.1          | 2472.6                 | 5.11                 | 3.00         | 13.38                           | -32.25          | -13.00      | 19.25       | H            |
| 3421.4          | 1648.4                 | 4.02                 | 3.00         | 12.50                           | -24.65          | -13.00      | 11.65       | V            |
| 5132.1          | 2472.6                 | 5.11                 | 3.00         | 13.38                           | -30.42          | -13.00      | 17.42       | V            |

*LTE FDD Band 4\_Channel Bandwidth 1.4MHz\_QPSK\_Middle Channel*

| Frequency (MHz) | P <sub>Mea</sub> (dBm) | P <sub>cl</sub> (dB) | Distance (m) | G <sub>a</sub> Antenna Gain(dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Polarization |
|-----------------|------------------------|----------------------|--------------|---------------------------------|------------|-------------|-------------|--------------|
| 3465.0          | -36.69                 | 4.02                 | 3.00         | 12.45                           | -28.26     | -13.00      | 15.26       | H            |
| 5197.5          | -41.37                 | 5.11                 | 3.00         | 13.38                           | -33.10     | -13.00      | 20.10       | H            |
| 3465.0          | -34.12                 | 4.02                 | 3.00         | 12.45                           | -25.69     | -13.00      | 12.69       | V            |
| 5197.5          | -37.25                 | 5.11                 | 3.00         | 13.38                           | -28.98     | -13.00      | 15.98       | V            |

*LTE FDD Band 4\_Channel Bandwidth 1.4MHz\_QPSK\_High Channel*

| Frequency (MHz) | P <sub>Mea</sub> (dBm) | P <sub>cl</sub> (dB) | Distance (m) | G <sub>a</sub> Antenna Gain(dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Polarization |
|-----------------|------------------------|----------------------|--------------|---------------------------------|------------|-------------|-------------|--------------|
| 3508.6          | -41.25                 | 4.02                 | 3.00         | 12.21                           | -28.26     | -13.00      | 15.26       | H            |
| 5262.9          | -33.88                 | 5.11                 | 3.00         | 13.26                           | -33.10     | -13.00      | 20.10       | H            |
| 3508.6          | -37.13                 | 4.02                 | 3.00         | 12.21                           | -25.69     | -13.00      | 12.69       | V            |
| 5262.9          | -41.25                 | 5.11                 | 3.00         | 13.26                           | -28.98     | -13.00      | 15.98       | V            |

*LTE FDD Band 4\_Channel Bandwidth 3MHz\_QPSK\_Low Channel*

| Frequency (MHz) | P <sub>Mea</sub> (dBm) | P <sub>cl</sub> (dB) | Distance (m) | G <sub>a</sub> Antenna Gain(dB) | Peak EIRP (dBm) | Limit (dBm) | Margin (dB) | Polarization |
|-----------------|------------------------|----------------------|--------------|---------------------------------|-----------------|-------------|-------------|--------------|
| 3423.0          | -35.73                 | 4.02                 | 3.00         | 12.50                           | -27.25          | -13.00      | 14.25       | H            |
| 5134.5          | -40.91                 | 5.11                 | 3.00         | 13.38                           | -32.64          | -13.00      | 19.64       | H            |
| 3423.0          | -34.93                 | 4.02                 | 3.00         | 12.50                           | -26.45          | -13.00      | 13.45       | V            |
| 5134.5          | -35.96                 | 5.11                 | 3.00         | 13.38                           | -27.69          | -13.00      | 14.69       | V            |

*LTE FDD Band 4\_Channel Bandwidth 3MHz\_QPSK\_Middle Channel*

| Frequency (MHz) | P <sub>Mea</sub> (dBm) | P <sub>cl</sub> (dB) | Distance (m) | G <sub>a</sub> Antenna Gain(dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Polarization |
|-----------------|------------------------|----------------------|--------------|---------------------------------|------------|-------------|-------------|--------------|
| 3465.0          | -37.66                 | 4.02                 | 3.00         | 12.45                           | -29.23     | -13.00      | 16.23       | H            |
| 5197.5          | -41.85                 | 5.11                 | 3.00         | 13.38                           | -33.58     | -13.00      | 20.58       | H            |
| 3465.0          | -35.69                 | 4.02                 | 3.00         | 12.45                           | -27.26     | -13.00      | 14.26       | V            |
| 5197.5          | -38.78                 | 5.11                 | 3.00         | 13.38                           | -30.51     | -13.00      | 17.51       | V            |