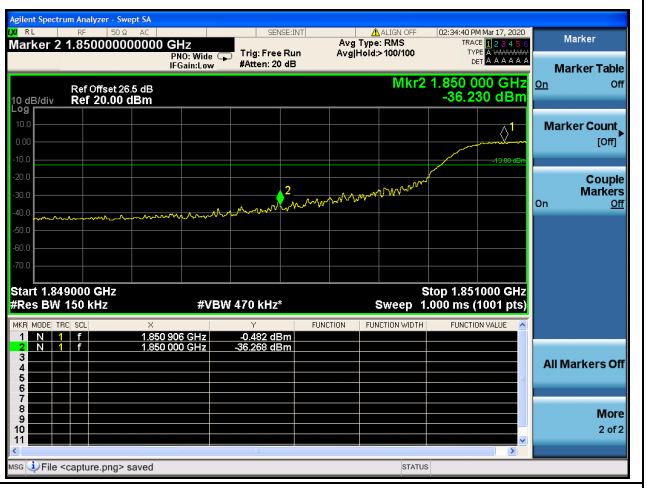
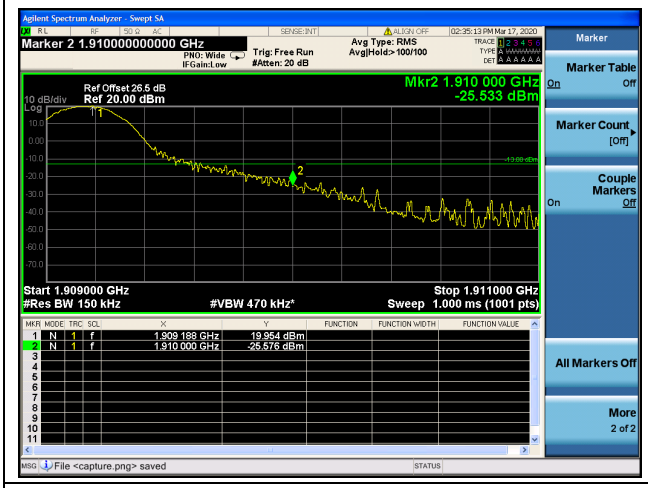
## Band2 / 15MHz / Low CH / QPSK / 1 RB

## Band2 / 15MHz / Low CH / QPSK / FULL RB

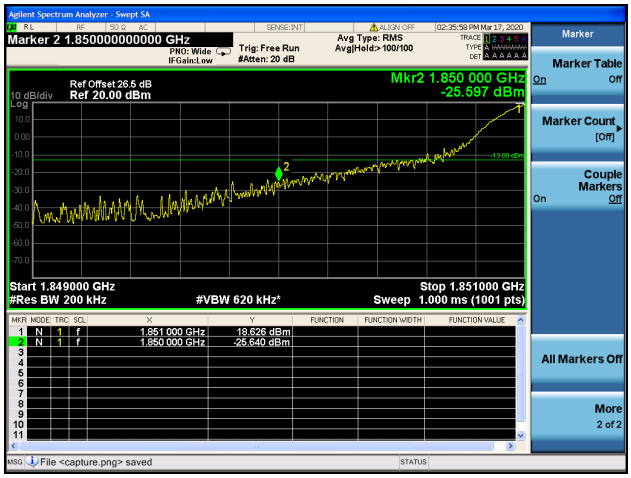



## Band2 / 15MHz / High CH / QPSK / 1 RB

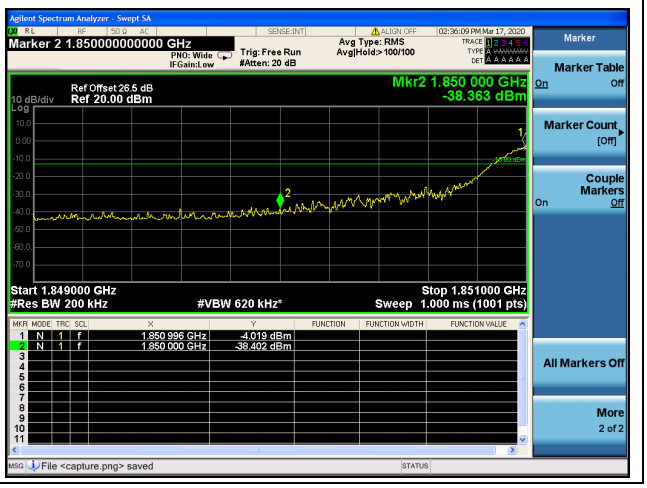



## Band2 / 15MHz / High CH / QPSK / FULL RB

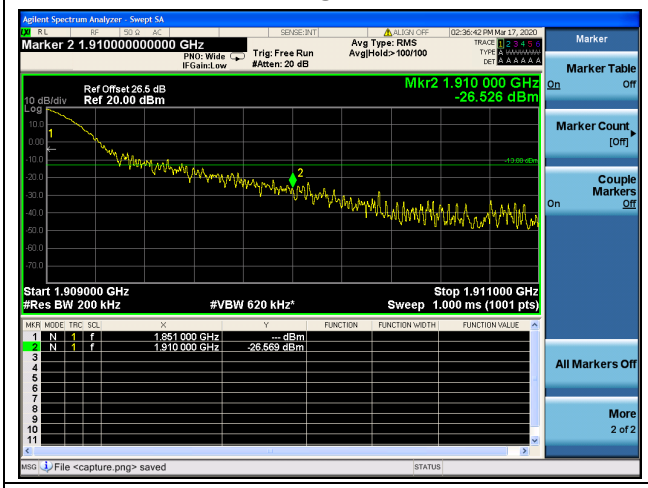
## Band2 / 20MHz / Low CH / QPSK / 1 RB



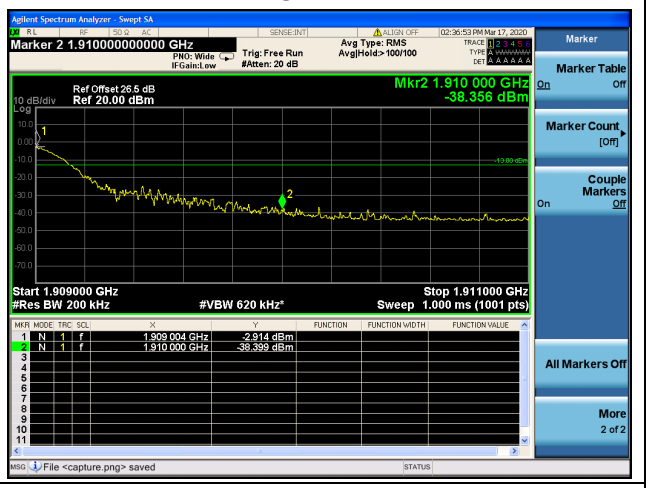

## Band2 / 20MHz / Low CH / QPSK / FULL RB



## Band2 / 20MHz / High CH / QPSK / 1 RB

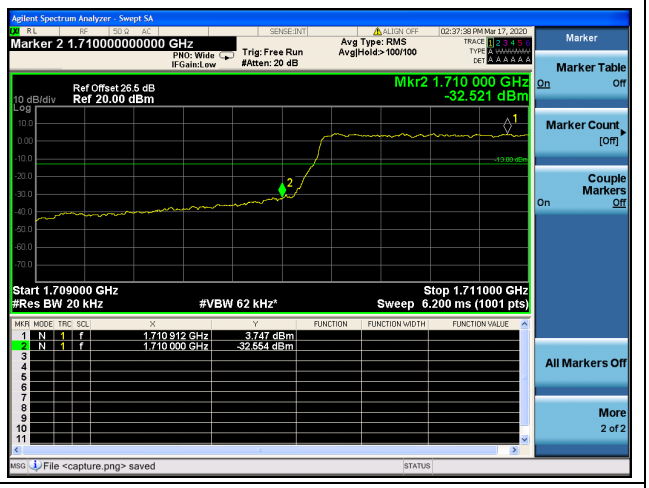



## Band2 / 20MHz / High CH / QPSK / FULL RB

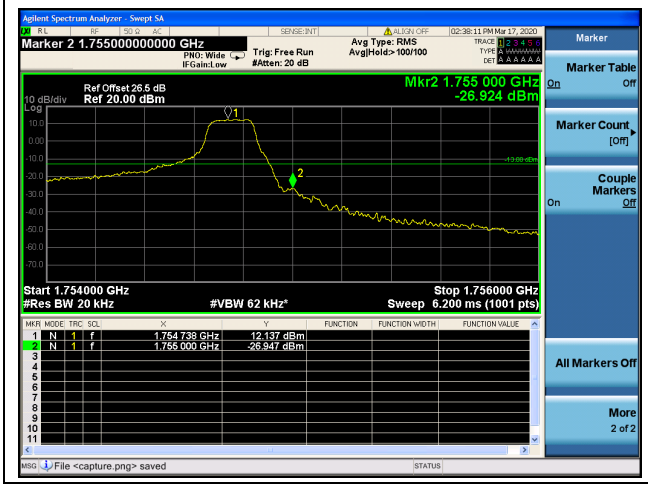



## Band4 / 1.4MHz / Low CH / QPSK / 1 RB

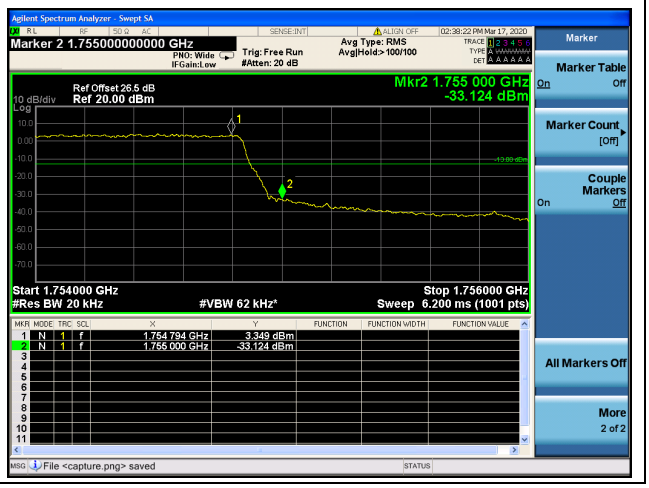
## Band4 / 1.4MHz / Low CH / QPSK / FULL RB




## Band4 / 1.4MHz / High CH / QPSK / 1 RB

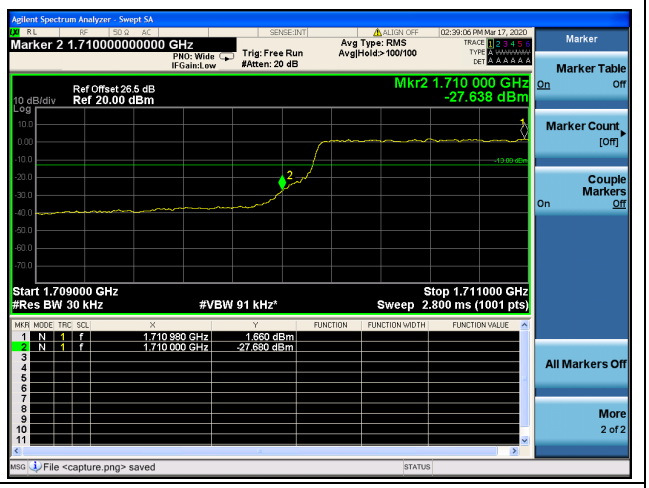



## Band4 / 1.4MHz / High CH / QPSK / FULL RB

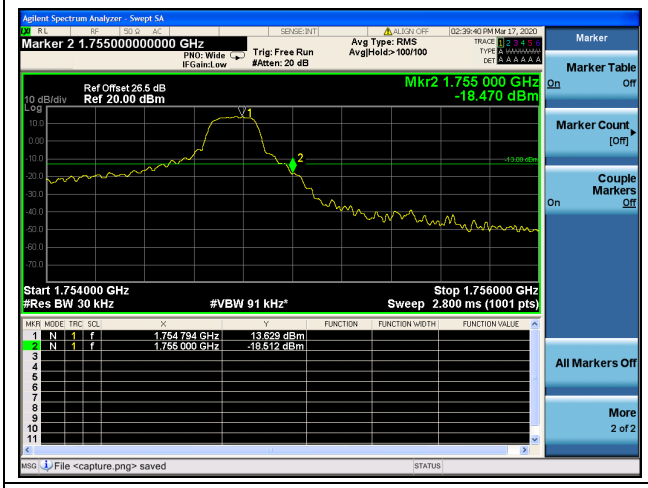


## Band4 / 3MHz / Low CH / QPSK / 1 RB

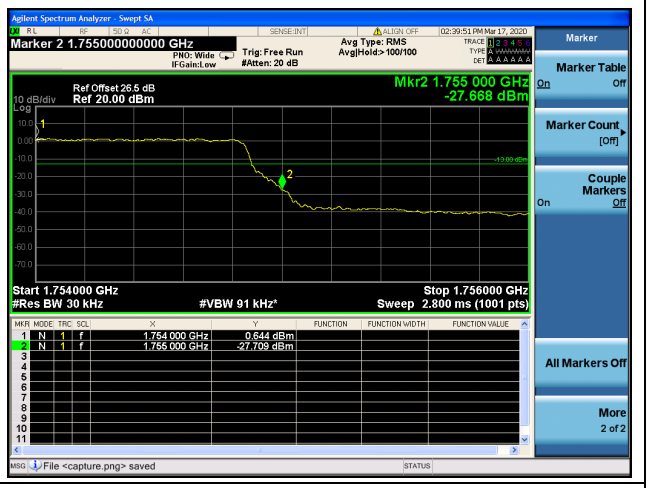
## Band4 / 3MHz / Low CH / QPSK / FULL RB




## Band4 / 3MHz / High CH / QPSK / 1 RB

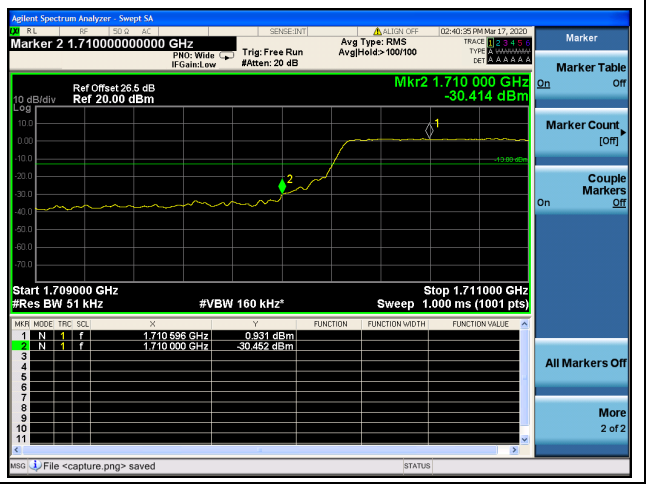



## Band4 / 3MHz / High CH / QPSK / FULL RB



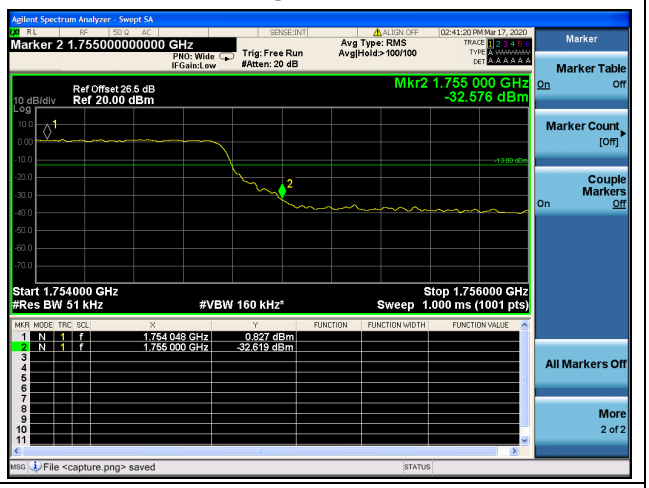

## Band4 / 5MHz / Low CH / QPSK / 1 RB

## Band4 / 5MHz / Low CH / QPSK / FULL RB

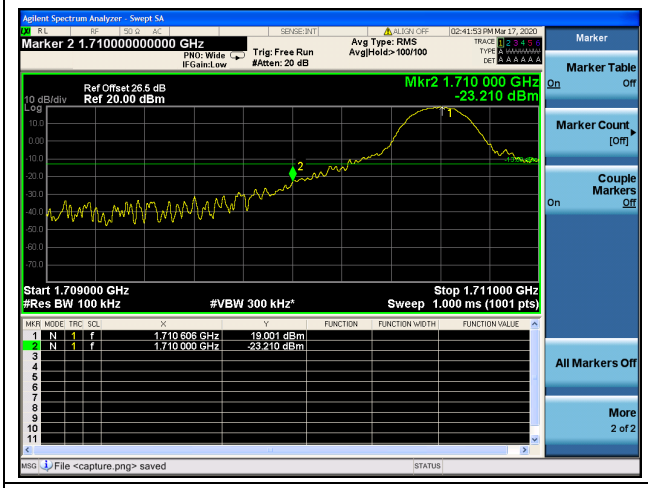


## Band4 / 5MHz / High CH / QPSK / 1 RB

## Band4 / 5MHz / High CH / QPSK / FULL RB




## Band4 / 10MHz / Low CH / QPSK / 1 RB

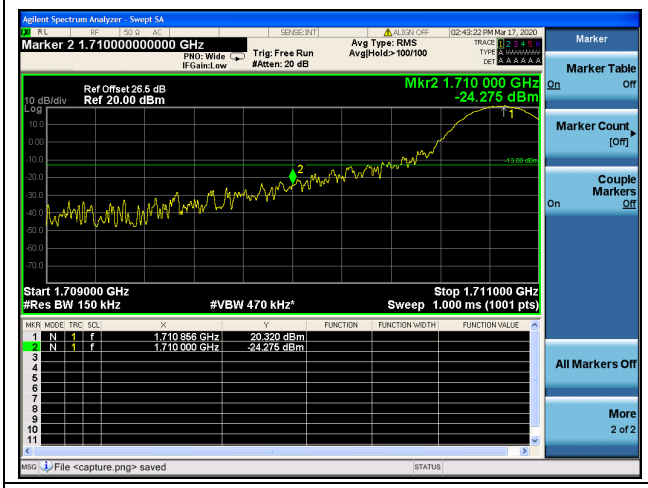



## Band4 / 10MHz / Low CH / QPSK / FULL RB

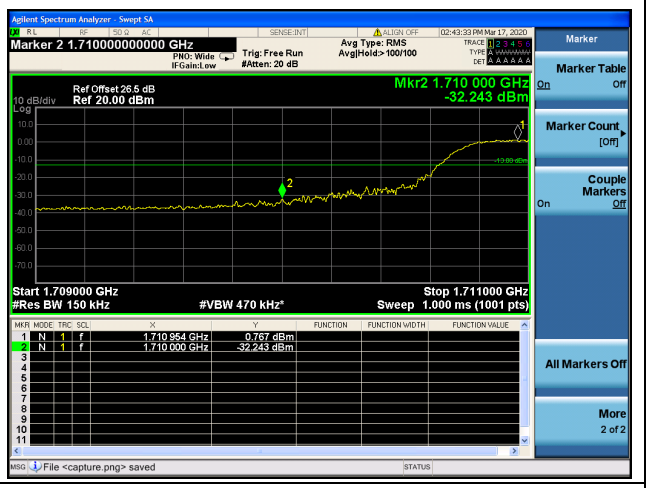
## Band4 / 10MHz / High CH / QPSK / 1 RB

## Band4 / 10MHz / High CH / QPSK / FULL RB

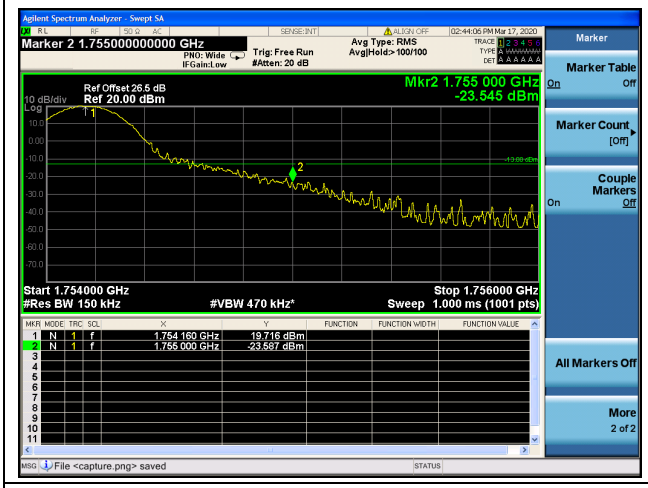
## Band4 / 15MHz / Low CH / QPSK / 1 RB




## Band4 / 15MHz / Low CH / QPSK / FULL RB

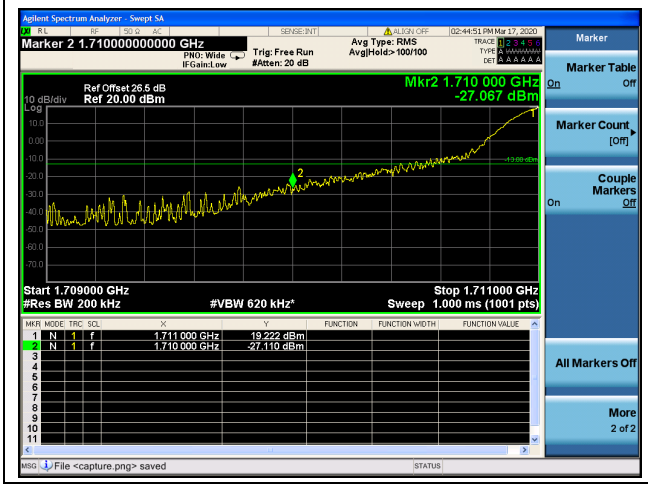



## Band4 / 15MHz / High CH / QPSK / 1 RB

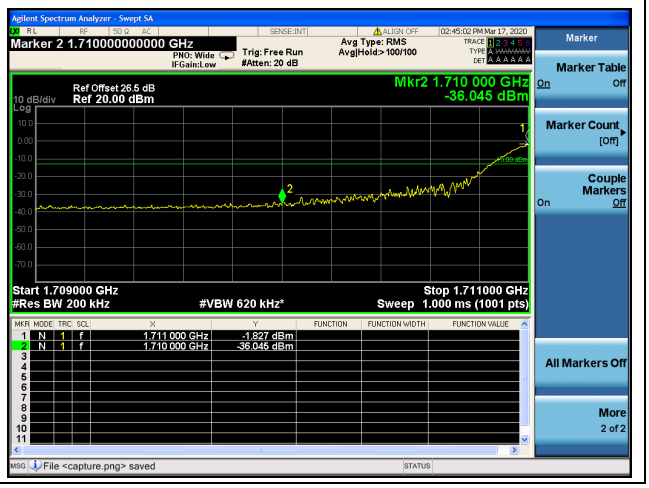



## Band4 / 15MHz / High CH / QPSK / FULL RB

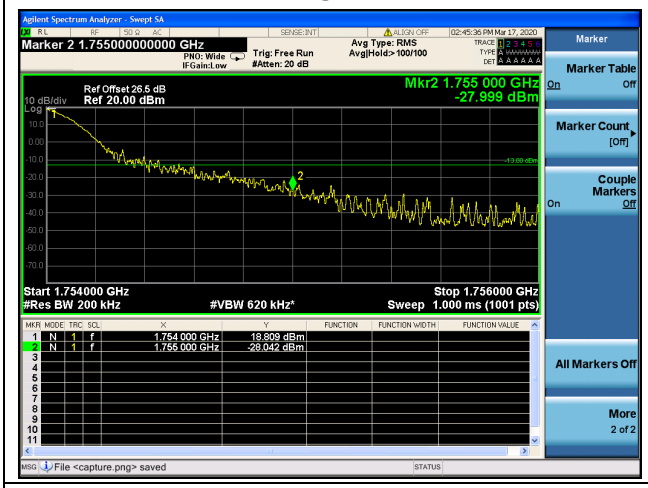
## Band4 / 20MHz / Low CH / QPSK / 1 RB



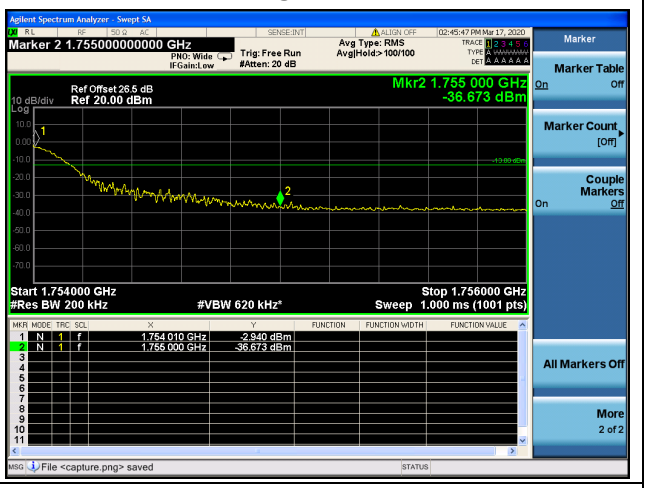

## Band4 / 20MHz / Low CH / QPSK / FULL RB



## Band4 / 20MHz / High CH / QPSK / 1 RB

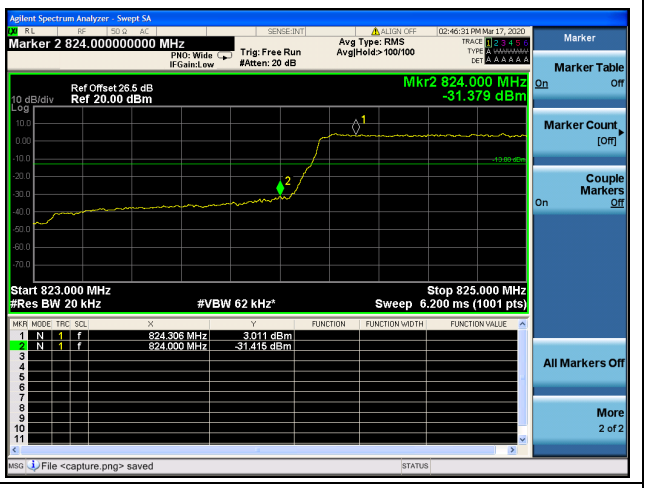



## Band4 / 20MHz / High CH / QPSK / FULL RB

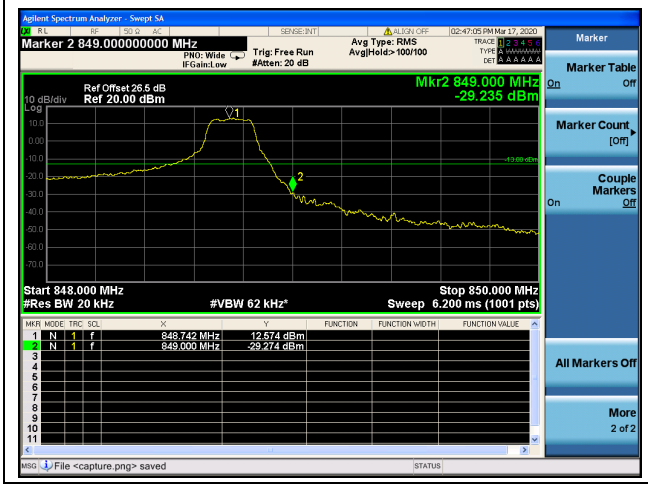



## Band5 / 1.4MHz / Low CH / QPSK / 1 RB

## Band5 / 1.4MHz / Low CH / QPSK / FULL RB



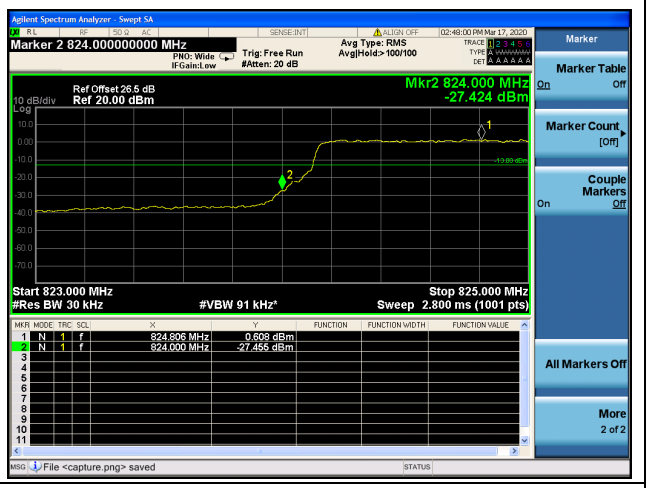

## Band5 / 1.4MHz / High CH / QPSK / 1 RB




## Band5 / 1.4MHz / High CH / QPSK / FULL RB

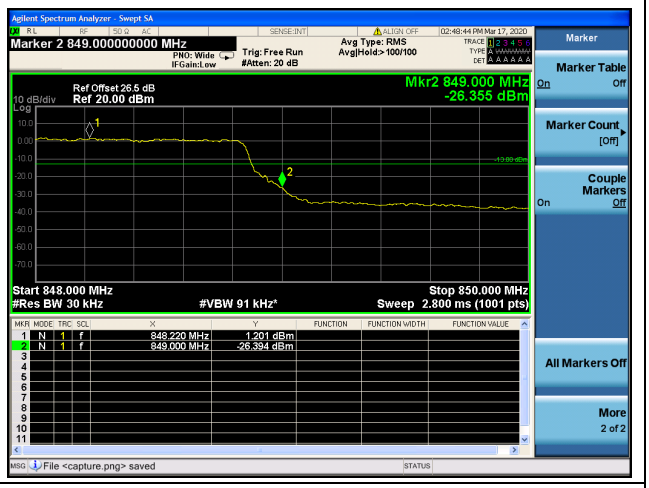
## Band5 / 3MHz / Low CH / QPSK / 1 RB

## Band5 / 3MHz / Low CH / QPSK / FULL RB



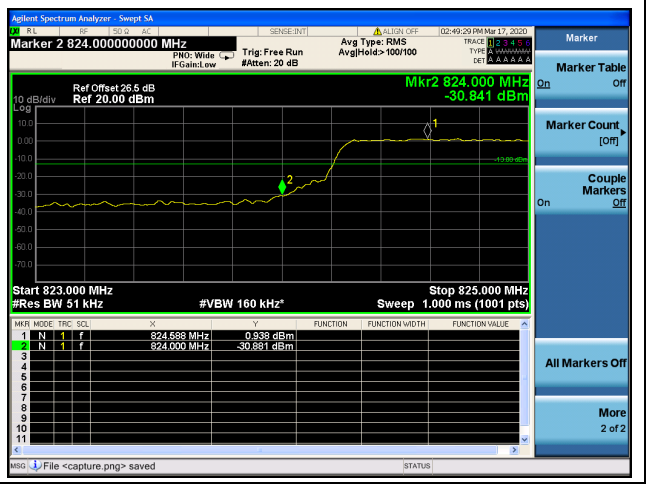

## Band5 / 3MHz / High CH / QPSK / 1 RB

## Band5 / 3MHz / High CH / QPSK / FULL RB



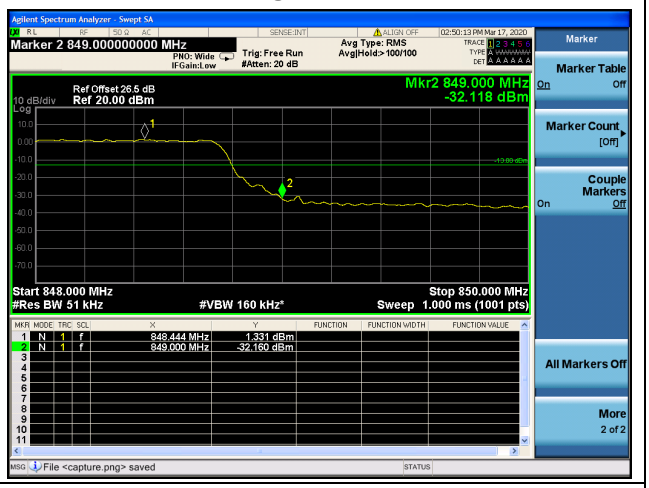

## Band5 / 5MHz / Low CH / QPSK / 1 RB

## Band5 / 5MHz / Low CH / QPSK / FULL RB

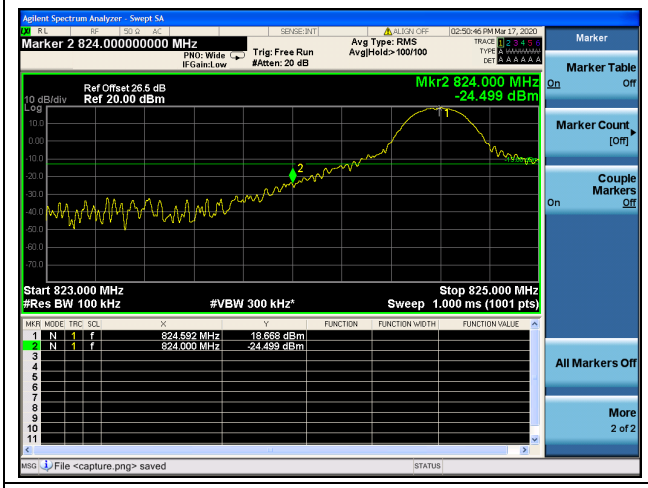


## Band5 / 5MHz / High CH / QPSK / 1 RB

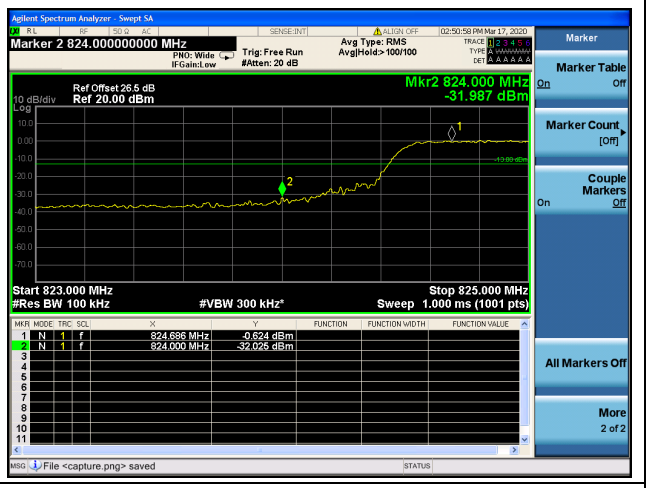
## Band5 / 5MHz / High CH / QPSK / FULL RB




## Band5 / 10MHz / Low CH / QPSK / 1 RB




## Band5 / 10MHz / Low CH / QPSK / FULL RB



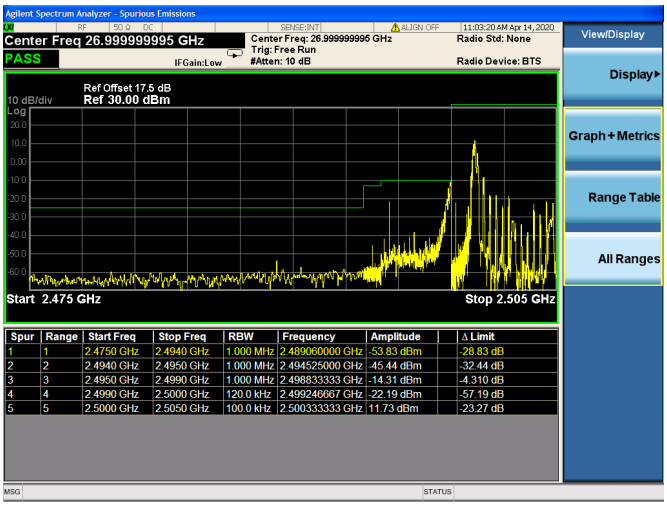

## Band5 / 10MHz / High CH / QPSK / 1 RB

## Band5 / 10MHz / High CH / QPSK / FULL RB

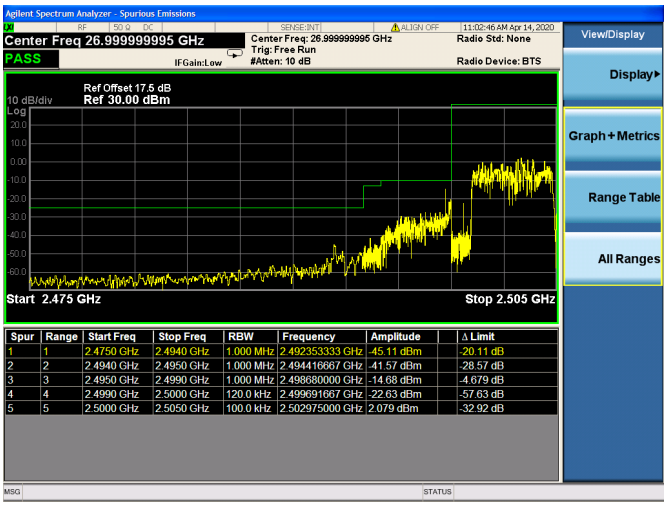
## LTE Band 7

### Channel Bandwidth: 5MHz

| Channel | 20775 | 1RB | Channel | 20775 | FULL RB |
|---|---|---|---|---|---|



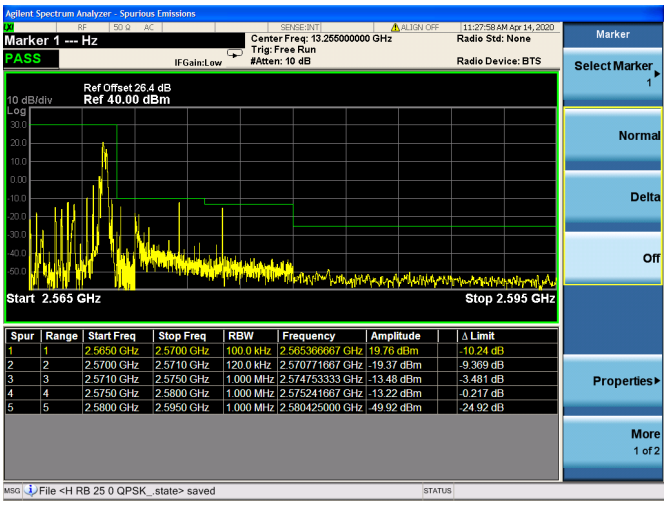

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4940 GHz | 1.000 MHz | 2.489060000 GHz | -53.83 dBm | -28.83 dB |
| 2 | 2 | 2.4940 GHz | 2.4950 GHz | 1.000 MHz | 2.494525000 GHz | -45.44 dBm | -32.44 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.498833333 GHz | -14.31 dBm | -4.310 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 120.0 kHz | 2.499246667 GHz | -22.19 dBm | -57.19 dB |
| 5 | 5 | 2.5000 GHz | 2.5050 GHz | 100.0 kHz | 2.500333333 GHz | 11.73 dBm | -23.27 dB |



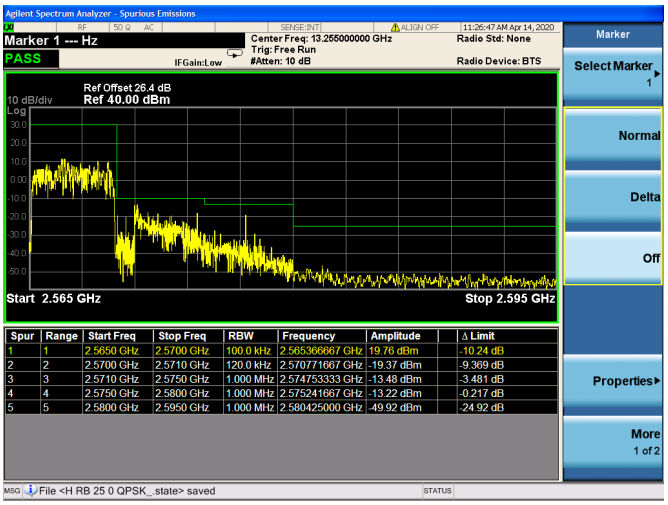

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4940 GHz | 1.000 MHz | 2.492353333 GHz | -45.11 dBm | -20.11 dB |
| 2 | 2 | 2.4940 GHz | 2.4950 GHz | 1.000 MHz | 2.494416667 GHz | -41.57 dBm | -28.57 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.498680000 GHz | -14.68 dBm | -4.679 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 120.0 kHz | 2.499691667 GHz | -22.63 dBm | -57.63 dB |
| 5 | 5 | 2.5000 GHz | 2.5050 GHz | 100.0 kHz | 2.502975000 GHz | 2.079 dBm | -32.92 dB |

### Channel Bandwidth: 5MHz

| Channel | 21425 | 1RB | Channel | 21425 | FULL RB |
|---|---|---|---|---|---|




| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5650 GHz | 2.5700 GHz | 100.0 kHz | 2.565366667 GHz | 19.76 dBm | -10.24 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 120.0 kHz | 2.570771667 GHz | -19.37 dBm | -9.369 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.574753333 GHz | -13.48 dBm | -3.481 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.575241667 GHz | -13.22 dBm | -0.217 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.580425000 GHz | -49.92 dBm | -24.92 dB |

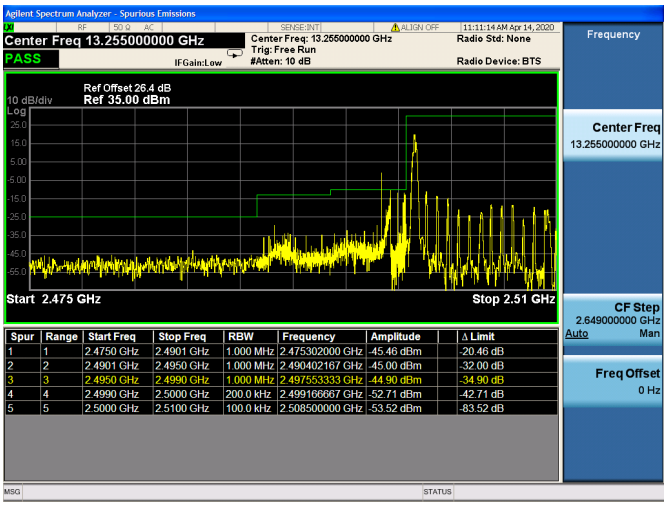



| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5650 GHz | 2.5700 GHz | 100.0 kHz | 2.565366667 GHz | 19.76 dBm | -10.24 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 120.0 kHz | 2.570771667 GHz | -19.37 dBm | -9.369 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.574753333 GHz | -13.48 dBm | -3.481 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.575241667 GHz | -13.22 dBm | -0.217 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.580425000 GHz | -49.92 dBm | -24.92 dB |

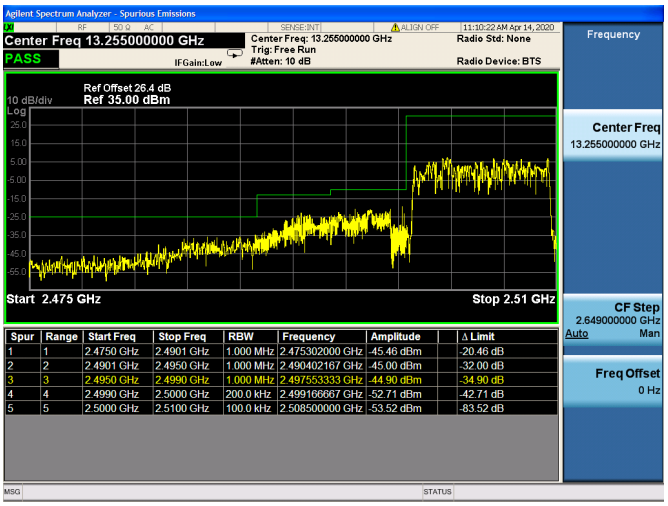
## LTE Band 7

### Channel Bandwidth: 10MHz

| Channel | 20800 | 1RB | Channel | 20800 | FULL RB |
|---|---|---|---|---|---|



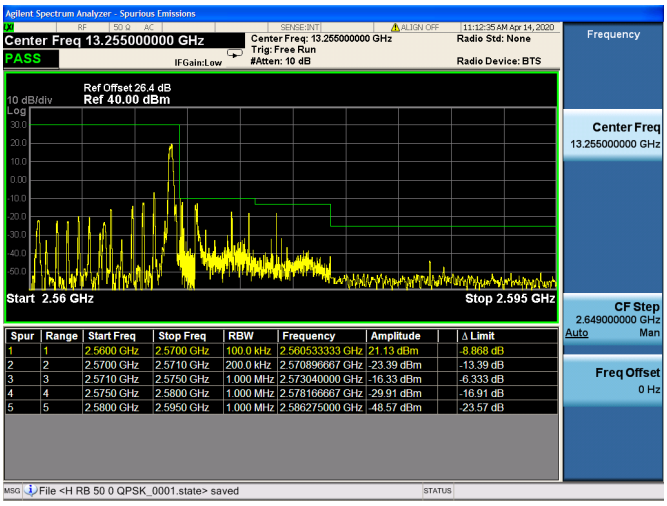

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4901 GHz | 1.000 MHz | 2.475302000 GHz | -45.46 dBm | -20.46 dB |
| 2 | 2 | 2.4901 GHz | 2.4950 GHz | 1.000 MHz | 2.490402167 GHz | -45.00 dBm | -32.00 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.497553333 GHz | -44.90 dBm | -34.90 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 200.0 kHz | 2.499166667 GHz | -52.71 dBm | -42.71 dB |
| 5 | 5 | 2.5000 GHz | 2.5100 GHz | 100.0 kHz | 2.508500000 GHz | -53.52 dBm | -83.52 dB |



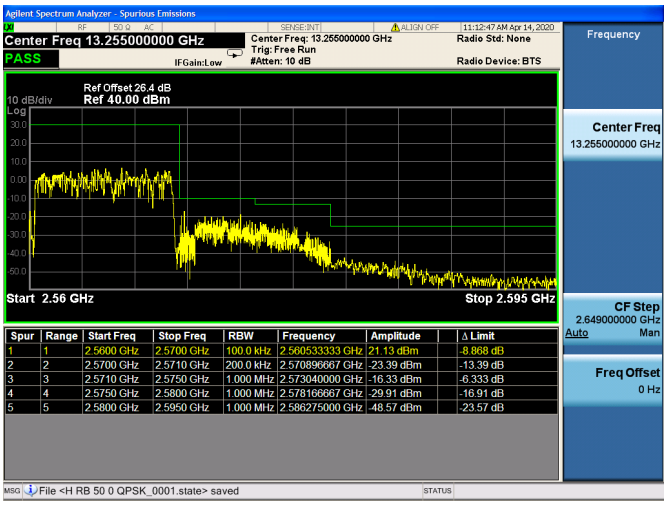

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4901 GHz | 1.000 MHz | 2.475302000 GHz | -45.46 dBm | -20.46 dB |
| 2 | 2 | 2.4901 GHz | 2.4950 GHz | 1.000 MHz | 2.490402167 GHz | -45.00 dBm | -32.00 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.497553333 GHz | -44.90 dBm | -34.90 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 200.0 kHz | 2.499166667 GHz | -52.71 dBm | -42.71 dB |
| 5 | 5 | 2.5000 GHz | 2.5100 GHz | 100.0 kHz | 2.508500000 GHz | -53.52 dBm | -83.52 dB |

### Channel Bandwidth: 10MHz

| Channel | 21400 | 1RB | Channel | 21400 | FULL RB |
|---|---|---|---|---|---|




| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5600 GHz | 2.5700 GHz | 100.0 kHz | 2.560533333 GHz | 21.13 dBm | -8.868 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 200.0 kHz | 2.570896667 GHz | -23.39 dBm | -13.39 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.573040000 GHz | -16.33 dBm | -6.333 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.578166667 GHz | -29.91 dBm | -16.91 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.586275000 GHz | -48.57 dBm | -23.57 dB |

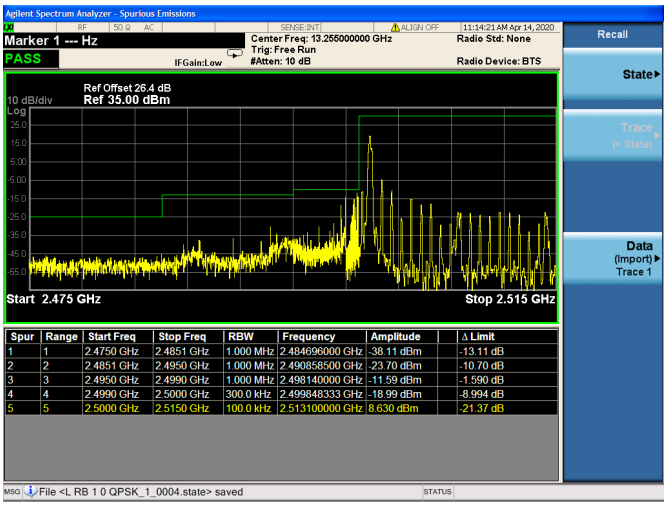



| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5600 GHz | 2.5700 GHz | 100.0 kHz | 2.560533333 GHz | 21.13 dBm | -8.868 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 200.0 kHz | 2.570896667 GHz | -23.39 dBm | -13.39 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.573040000 GHz | -16.33 dBm | -6.333 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.578166667 GHz | -29.91 dBm | -16.91 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.586275000 GHz | -48.57 dBm | -23.57 dB |

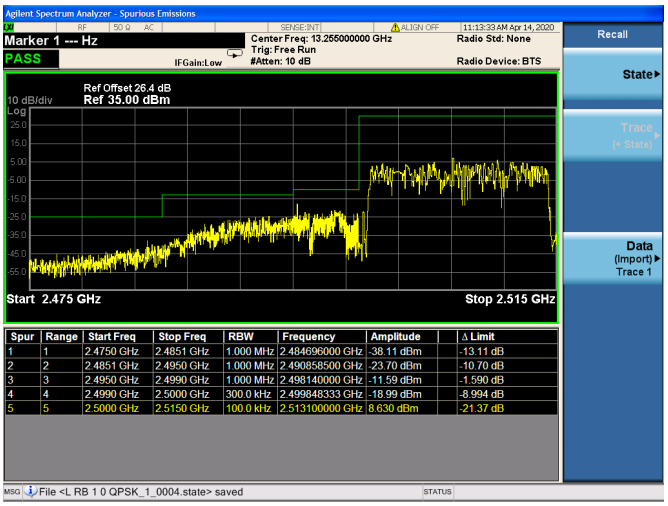
## LTE Band 7

### Channel Bandwidth: 15MHz

| Channel | 20825 | 1RB | Channel | 20825 | FULL RB |
|---|---|---|---|---|---|



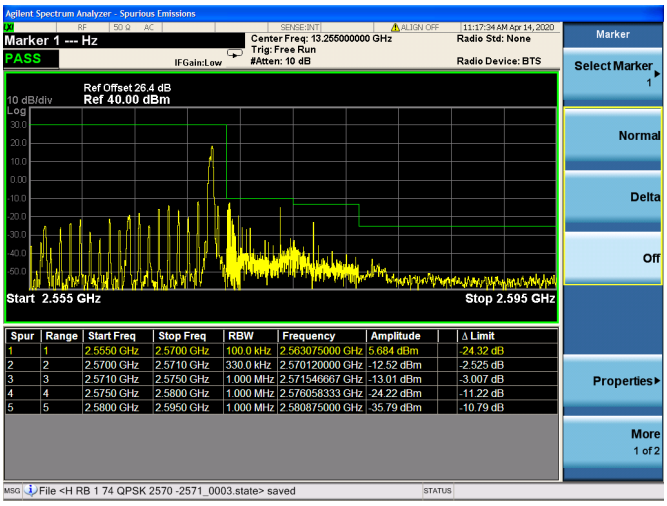

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4851 GHz | 1.000 MHz | 2.484696000 GHz | -38.11 dBm | -13.11 dB |
| 2 | 2 | 2.4851 GHz | 2.4950 GHz | 1.000 MHz | 2.490858500 GHz | -23.70 dBm | -10.70 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.498140000 GHz | -11.59 dBm | -1.590 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 300.0 kHz | 2.499848333 GHz | -18.99 dBm | -8.994 dB |
| 5 | 5 | 2.5000 GHz | 2.5150 GHz | 100.0 kHz | 2.513100000 GHz | 8.630 dBm | -21.37 dB |



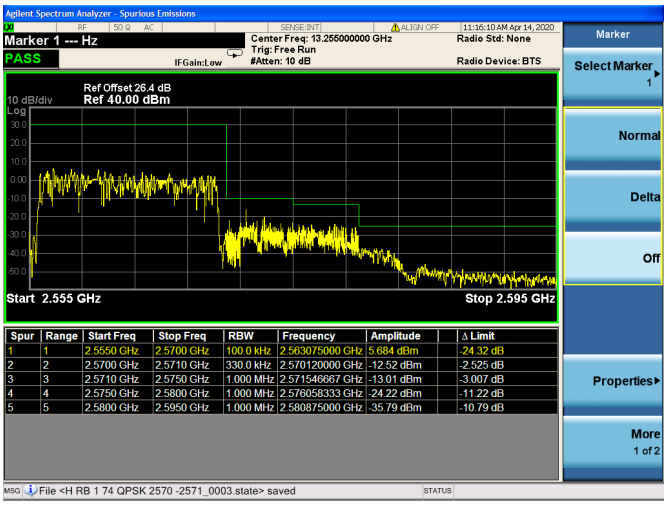

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4851 GHz | 1.000 MHz | 2.484696000 GHz | -38.11 dBm | -13.11 dB |
| 2 | 2 | 2.4851 GHz | 2.4950 GHz | 1.000 MHz | 2.490858500 GHz | -23.70 dBm | -10.70 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.498140000 GHz | -11.59 dBm | -1.590 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 300.0 kHz | 2.499848333 GHz | -18.99 dBm | -8.994 dB |
| 5 | 5 | 2.5000 GHz | 2.5150 GHz | 100.0 kHz | 2.513100000 GHz | 8.630 dBm | -21.37 dB |

### Channel Bandwidth: 15MHz

| Channel | 21375 | 1RB | Channel | 21375 | FULL RB |
|---|---|---|---|---|---|




| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5550 GHz | 2.5700 GHz | 100.0 kHz | 2.563075000 GHz | 5.684 dBm | -24.32 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 330.0 kHz | 2.570120000 GHz | -12.52 dBm | -2.525 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.571546667 GHz | -13.01 dBm | -3.007 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.576058333 GHz | -24.22 dBm | -11.22 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.580875000 GHz | -35.79 dBm | -10.79 dB |

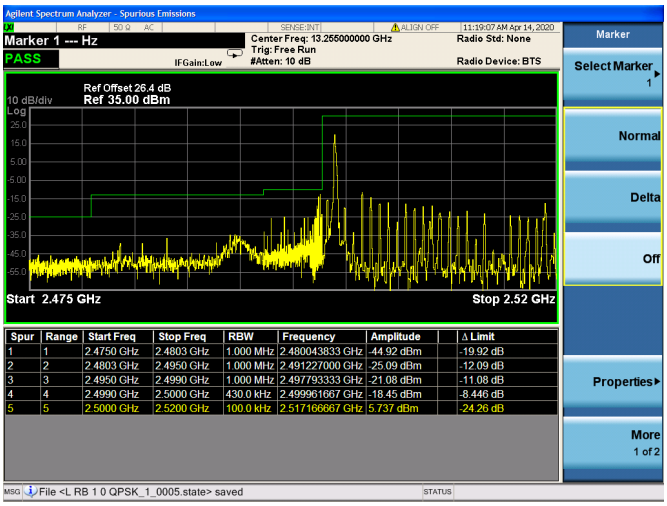



| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5550 GHz | 2.5700 GHz | 100.0 kHz | 2.563075000 GHz | 5.684 dBm | -24.32 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 330.0 kHz | 2.570120000 GHz | -12.52 dBm | -2.525 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.571546667 GHz | -13.01 dBm | -3.007 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.576058333 GHz | -24.22 dBm | -11.22 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.580875000 GHz | -35.79 dBm | -10.79 dB |

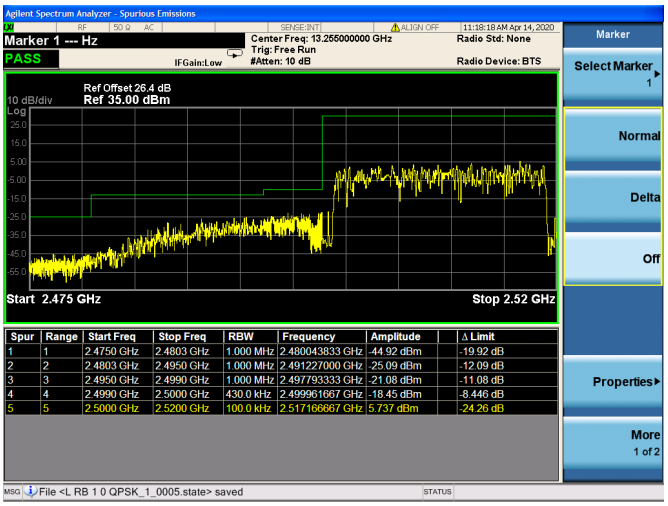
## LTE Band 7

### Channel Bandwidth: 20MHz

| Channel | 20850 | 1RB | Channel | 20850 | FULL RB |
|---|---|---|---|---|---|



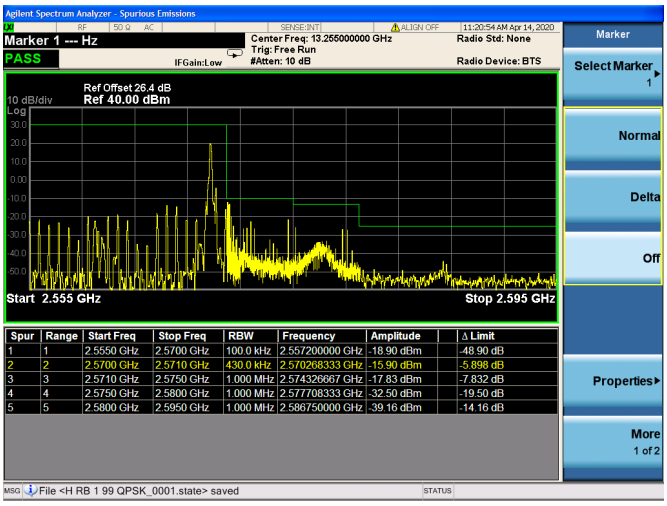

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4803 GHz | 1.000 MHz | 2.480043833 GHz | -44.92 dBm | -19.92 dB |
| 2 | 2 | 2.4803 GHz | 2.4950 GHz | 1.000 MHz | 2.491227000 GHz | -25.09 dBm | -12.09 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.497793333 GHz | -21.08 dBm | -11.08 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 430.0 kHz | 2.499961667 GHz | -18.45 dBm | -8.446 dB |
| 5 | 5 | 2.5000 GHz | 2.5200 GHz | 100.0 kHz | 2.517166667 GHz | 5.737 dBm | -24.26 dB |



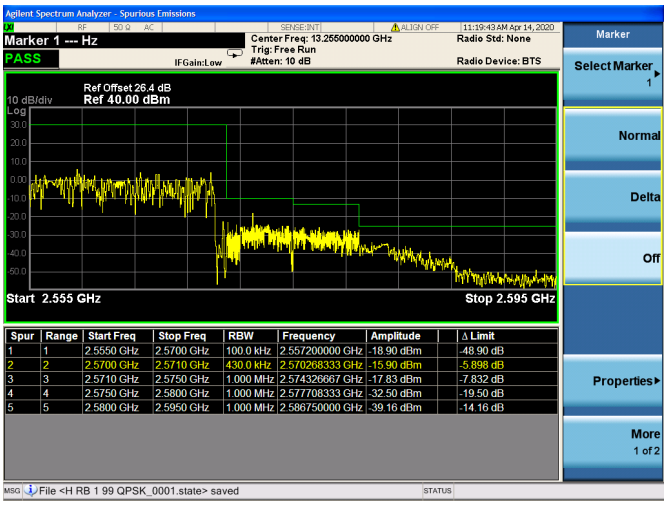

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.4750 GHz | 2.4803 GHz | 1.000 MHz | 2.480043833 GHz | -44.92 dBm | -19.92 dB |
| 2 | 2 | 2.4803 GHz | 2.4950 GHz | 1.000 MHz | 2.491227000 GHz | -25.09 dBm | -12.09 dB |
| 3 | 3 | 2.4950 GHz | 2.4990 GHz | 1.000 MHz | 2.497793333 GHz | -21.08 dBm | -11.08 dB |
| 4 | 4 | 2.4990 GHz | 2.5000 GHz | 430.0 kHz | 2.499961667 GHz | -18.45 dBm | -8.446 dB |
| 5 | 5 | 2.5000 GHz | 2.5200 GHz | 100.0 kHz | 2.517166667 GHz | 5.737 dBm | -24.26 dB |

### Channel Bandwidth: 20MHz

| Channel | 21350 | 1RB | Channel | 21350 | FULL RB |
|---|---|---|---|---|---|



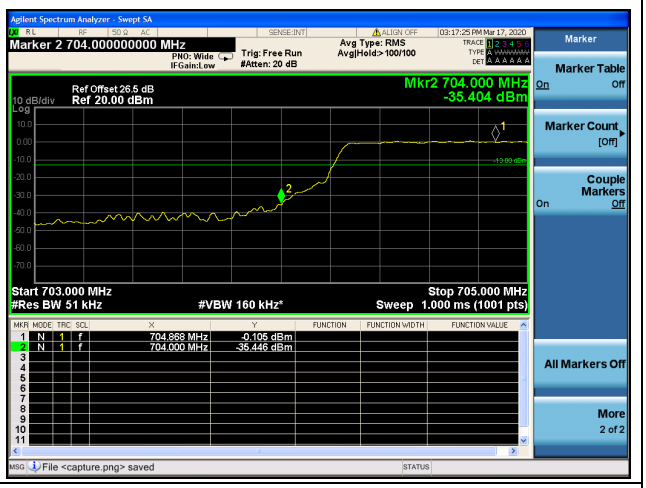

| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5550 GHz | 2.5700 GHz | 100.0 kHz | 2.557200000 GHz | -18.90 dBm | -48.90 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 430.0 kHz | 2.570268333 GHz | -15.90 dBm | -5.898 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.574326667 GHz | -17.83 dBm | -7.832 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.577708333 GHz | -32.50 dBm | -19.50 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.586750000 GHz | -39.16 dBm | -14.16 dB |




| Spur | Range | Start Freq | Stop Freq | RBW | Frequency | Amplitude | Δ Limit |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2.5550 GHz | 2.5700 GHz | 100.0 kHz | 2.557200000 GHz | -18.90 dBm | -48.90 dB |
| 2 | 2 | 2.5700 GHz | 2.5710 GHz | 430.0 kHz | 2.570268333 GHz | -15.90 dBm | -5.898 dB |
| 3 | 3 | 2.5710 GHz | 2.5750 GHz | 1.000 MHz | 2.574326667 GHz | -17.83 dBm | -7.832 dB |
| 4 | 4 | 2.5750 GHz | 2.5800 GHz | 1.000 MHz | 2.577708333 GHz | -32.50 dBm | -19.50 dB |
| 5 | 5 | 2.5800 GHz | 2.5950 GHz | 1.000 MHz | 2.586750000 GHz | -39.16 dBm | -14.16 dB |

## Band17 / 5MHz / Low CH / QPSK / 1 RB

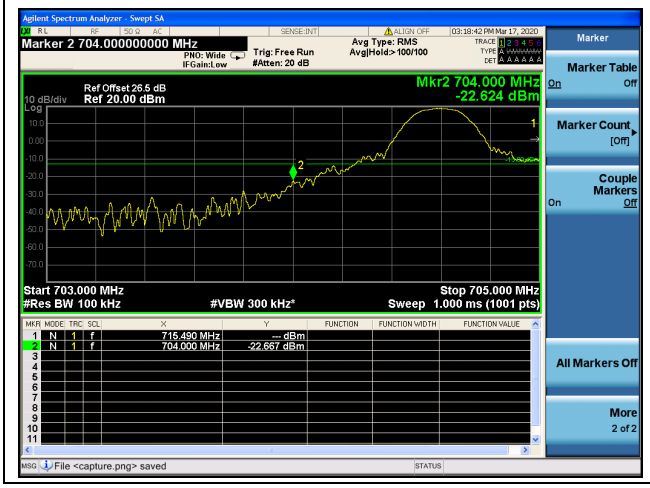
## Band17 / 5MHz / Low CH / QPSK / FULL RB




## Band17 / 5MHz / High CH / QPSK / 1 RB

## Band17 / 5MHz / High CH / QPSK / FULL RB

## Band17 / 10MHz / Low CH / QPSK / 1 RB




## Band17 / 10MHz / Low CH / QPSK / FULL RB

## Band17 / 10MHz / High CH / QPSK / 1 RB

## Band17 / 10MHz / High CH / QPSK / FULL RB

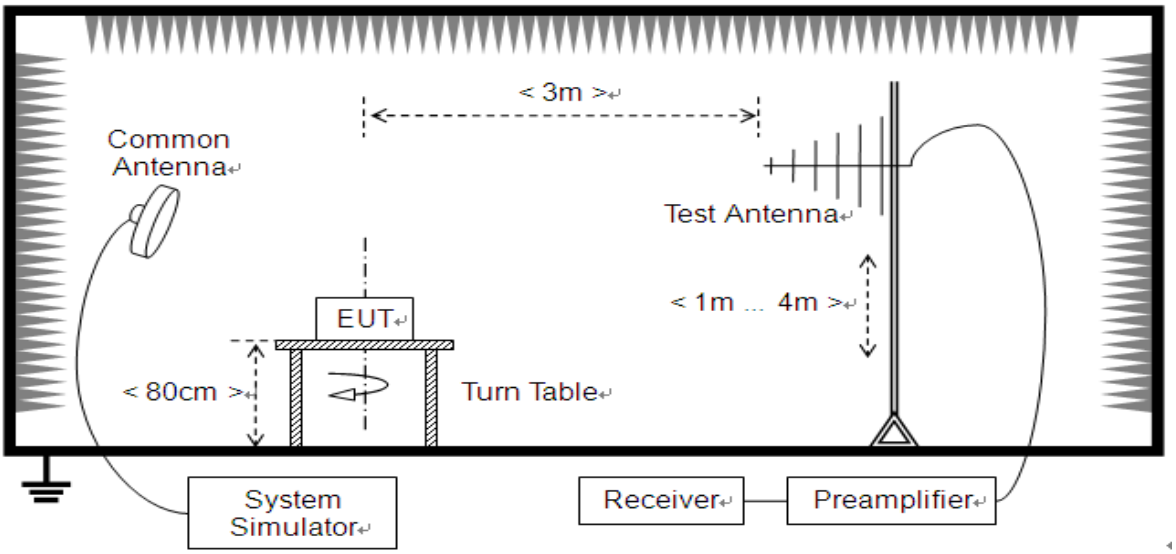
# 2.7. Radiated Spurious Emissions

## 2.7.1. Requirement

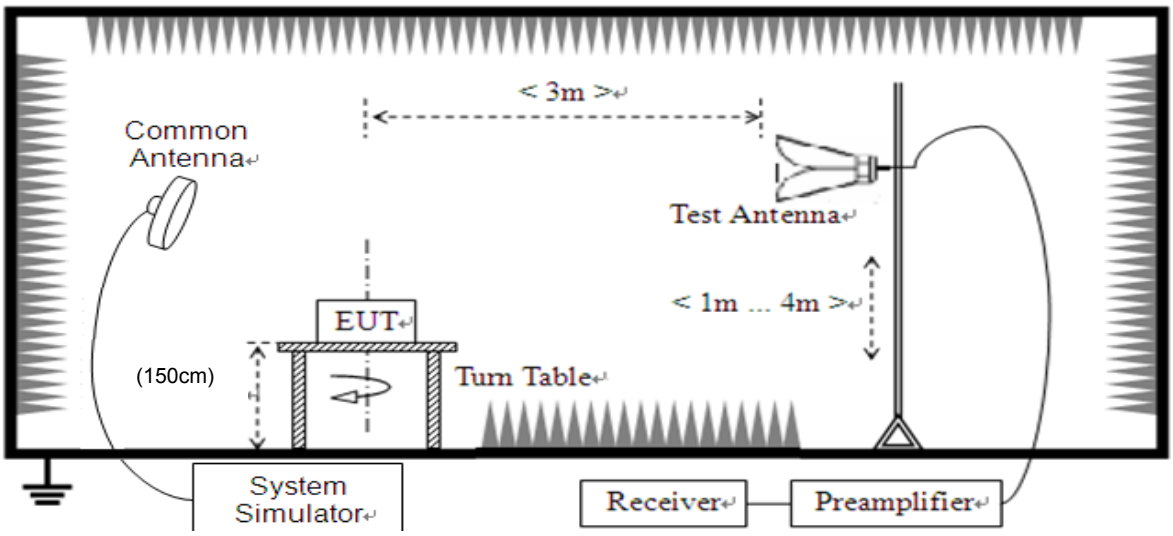
According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7:
The power of any emission outside of the authorized operating frequency ranges must beattenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. This calculated to be -25dBm.

## 2.7.2. Test Description




(For the test frequency from 30MHz to1GHz)




(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.
A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.
In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360°to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

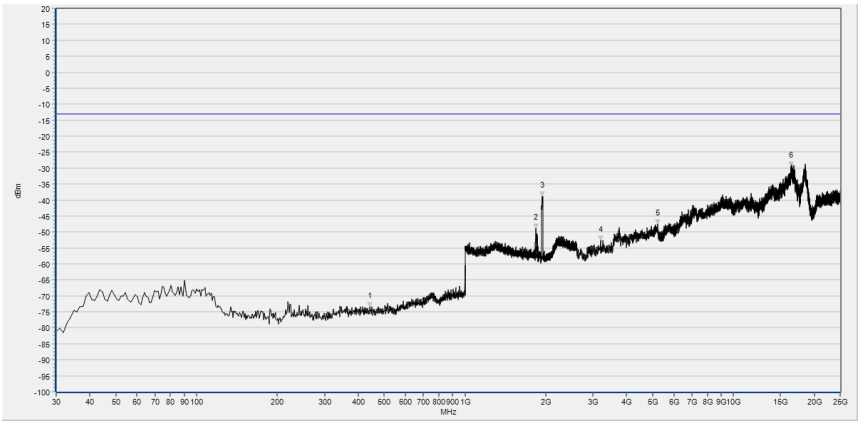
**Note:** when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

### 2.7.3. Test procedure

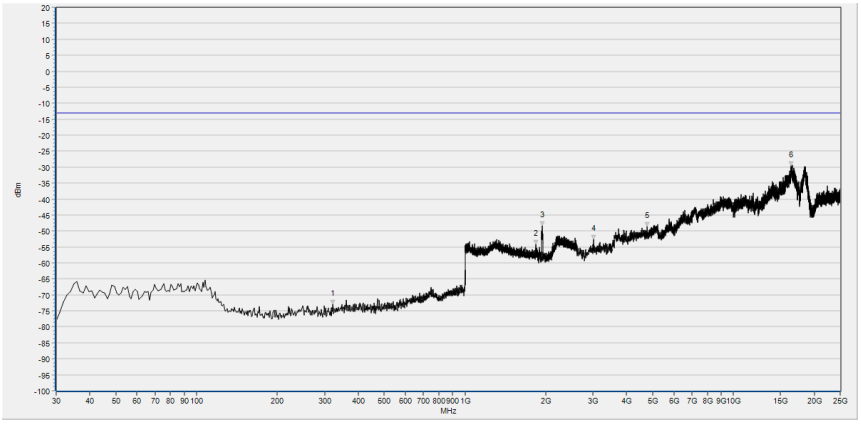
KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

### 2.7.4. Test Result

LTE Band 2 20MHz BW, Low Channel, QPSK

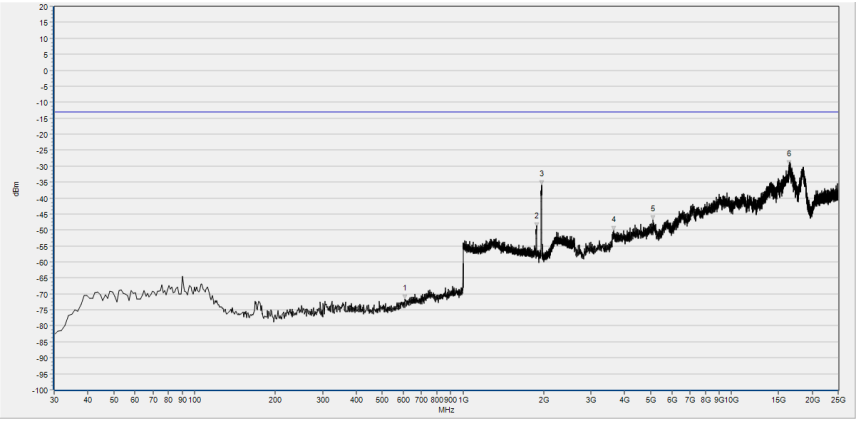


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 442.250 | -73.49 | -13.00 | Horizontal | PASS |
| 2 | 1833.613 | -48.89 | -13.00 | Horizontal | NA |
| 3 | 1945.658 | -38.88 | -13.00 | Horizontal | NA |
| 4 | 3198.800 | -52.68 | -13.00 | Horizontal | PASS |
| 5 | 5223.313 | -47.48 | -13.00 | Horizontal | PASS |
| 6 | 16437.570 | -29.29 | -13.00 | Horizontal | PASS |

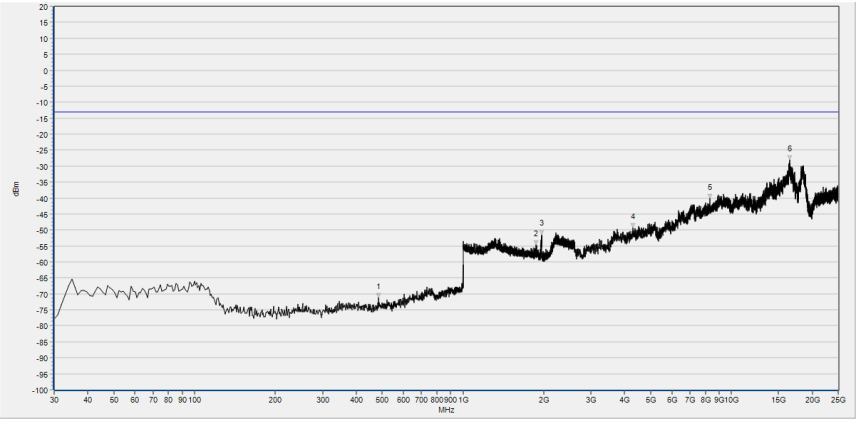


| No. | Freq(MHz) | Peak | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 321.970 | -72.95 | -13.00 | Vertical | PASS |
| 2 | 1833.613 | -54.09 | -13.00 | Vertical | NA |
| 3 | 1940.536 | -48.35 | -13.00 | Vertical | NA |
| 4 | 3019.567 | -52.69 | -13.00 | Vertical | PASS |
| 5 | 4779.305 | -48.65 | -13.00 | Vertical | PASS |
| 6 | 16425.350 | -29.50 | -13.00 | Vertical | PASS |

LTE Band 2 20MHz BW, Mid Channel, QPSK

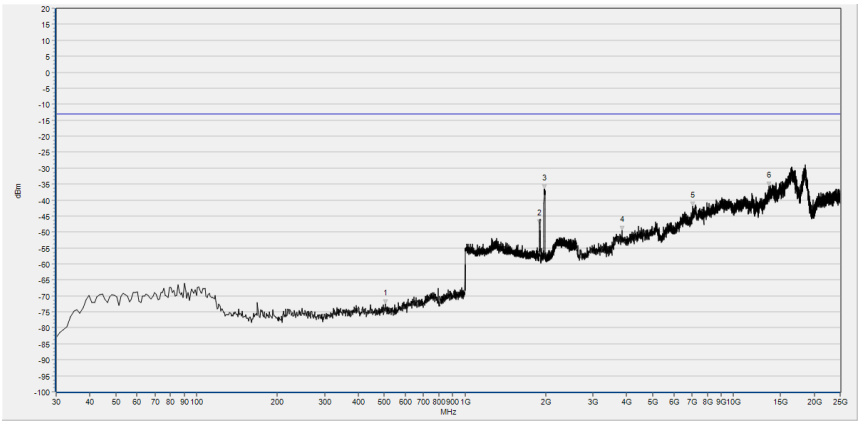


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 609.090 | -71.64 | -13.00 | Horizontal | PASS |
| 2 | 1877.791 | -49.04 | -13.00 | Horizontal | NA |
| 3 | 1966.787 | -35.82 | -13.00 | Horizontal | NA |
| 4 | 3642.808 | -50.08 | -13.00 | Horizontal | PASS |
| 5 | 5113.330 | -46.85 | -13.00 | Horizontal | PASS |
| 6 | 16429.424 | -29.61 | -13.00 | Horizontal | PASS |

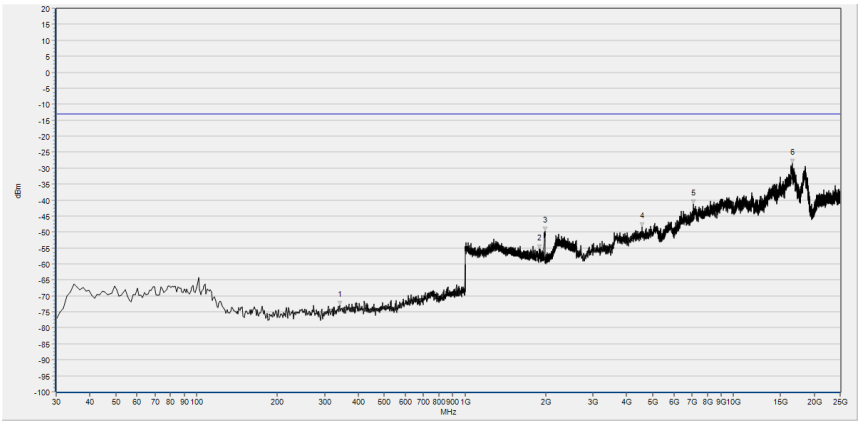


| No. | Freq(MHz) | Peak | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 485.900 | -71.22 | -13.00 | Vertical | PASS |
| 2 | 1872.669 | -54.65 | -13.00 | Vertical | NA |
| 3 | 1966.146 | -51.40 | -13.00 | Vertical | NA |
| 4 | 4294.563 | -49.31 | -13.00 | Vertical | PASS |
| 5 | 8302.855 | -40.14 | -13.00 | Vertical | PASS |
| 6 | 16445.717 | -28.12 | -13.00 | Vertical | PASS |

LTE Band 2 20MHz BW, High Channel, QPSK

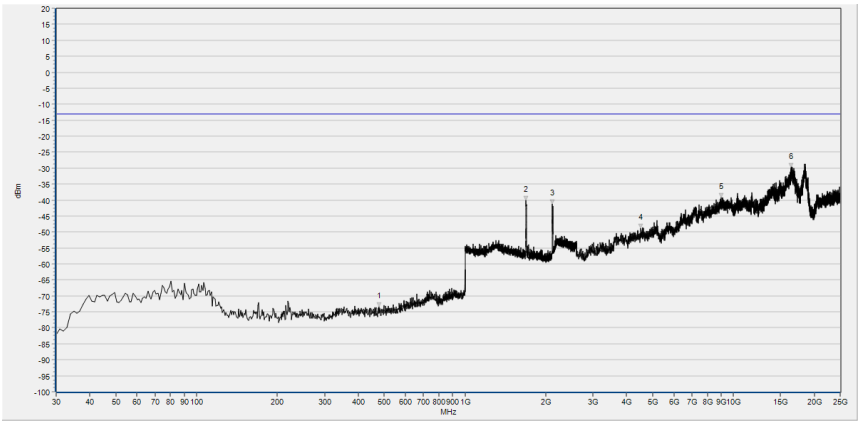


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 504.330 | -72.60 | -13.00 | Horizontal | PASS |
| 2 | 1898.920 | -47.43 | -13.00 | Horizontal | NA |
| 3 | 1973.830 | -36.47 | -13.00 | Horizontal | NA |
| 4 | 3842.408 | -49.54 | -13.00 | Horizontal | PASS |
| 5 | 7056.374 | -41.85 | -13.00 | Horizontal | PASS |
| 6 | 13582.069 | -35.60 | -13.00 | Horizontal | PASS |

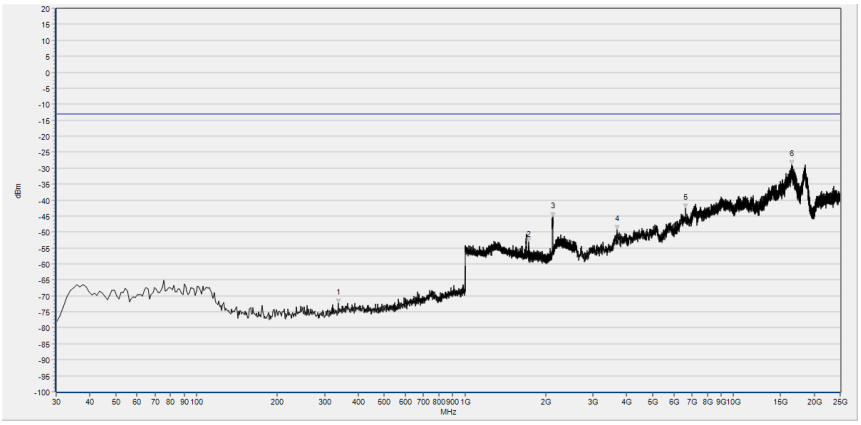


| No. | Freq(MHz) | Peak | limit PK | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 341.370 | -72.97 | -13.00 | Vertical | PASS |
| 2 | 1889.956 | -55.35 | -13.00 | Vertical | NA |
| 3 | 1986.635 | -49.69 | -13.00 | Vertical | NA |
| 4 | 4575.632 | -48.44 | -13.00 | Vertical | PASS |
| 5 | 7101.182 | -41.18 | -13.00 | Vertical | PASS |
| 6 | 16551.628 | -28.45 | -13.00 | Vertical | PASS |

LTE Band 4 20MHz BW, Low Channel, QPSK

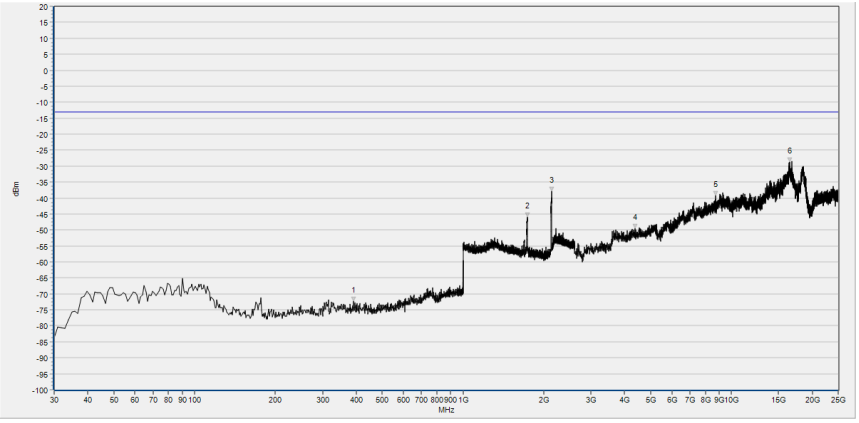


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 477.170 | -73.49 | -13.00 | Horizontal | PASS |
| 2 | 1690.836 | -40.16 | -13.00 | Horizontal | NA |
| 3 | 2112.765 | -41.19 | -13.00 | Horizontal | NA |
| 4 | 4522.677 | -48.87 | -13.00 | Horizontal | PASS |
| 5 | 9027.932 | -39.31 | -13.00 | Horizontal | PASS |
| 6 | 16409.056 | -29.92 | -13.00 | Horizontal | PASS |

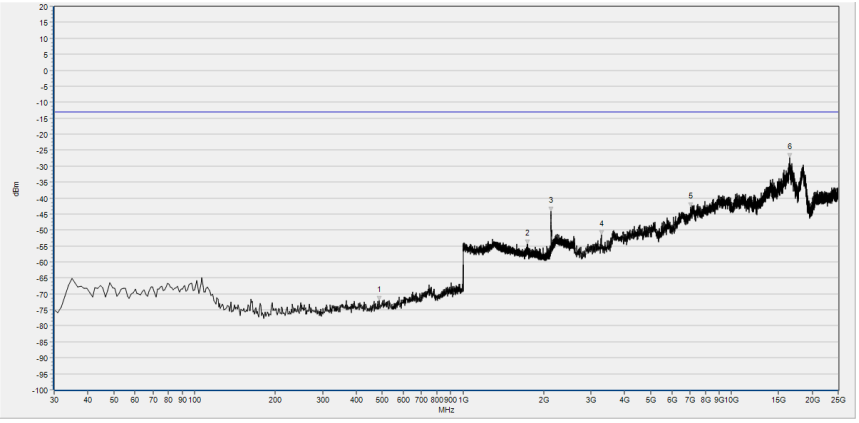


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 337.490 | -72.20 | -13.00 | Vertical | PASS |
| 2 | 1725.410 | -53.06 | -13.00 | Vertical | NA |
| 3 | 2122.369 | -45.25 | -13.00 | Vertical | NA |
| 4 | 3691.689 | -49.28 | -13.00 | Vertical | PASS |
| 5 | 6644.954 | -42.55 | -13.00 | Vertical | PASS |
| 6 | 16457.938 | -28.88 | -13.00 | Vertical | PASS |

LTE Band 4 20MHz BW, Mid Channel, QPSK

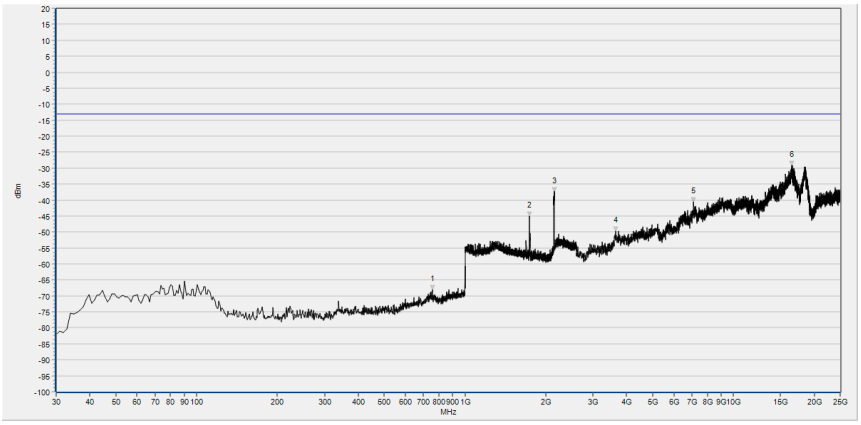


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 390.840 | -72.34 | -13.00 | Horizontal | PASS |
| 2 | 1736.935 | -45.89 | -13.00 | Horizontal | NA |
| 3 | 2139.016 | -37.79 | -13.00 | Horizontal | NA |
| 4 | 4367.885 | -49.51 | -13.00 | Horizontal | PASS |
| 5 | 8750.937 | -39.22 | -13.00 | Horizontal | PASS |
| 6 | 16466.085 | -28.67 | -13.00 | Horizontal | PASS |

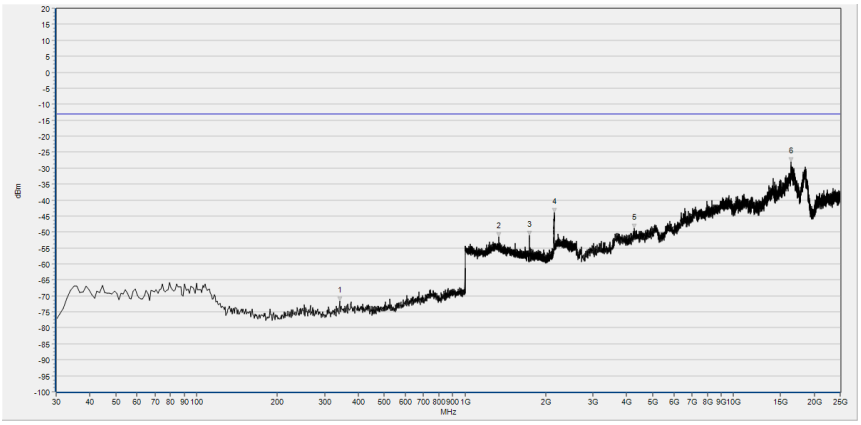


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 488.810 | -72.04 | -13.00 | Vertical | PASS |
| 2 | 1735.654 | -54.51 | -13.00 | Vertical | NA |
| 3 | 2126.210 | -44.04 | -13.00 | Vertical | NA |
| 4 | 3276.196 | -51.59 | -13.00 | Vertical | PASS |
| 5 | 7068.594 | -42.89 | -13.00 | Vertical | PASS |
| 6 | 16462.011 | -27.41 | -13.00 | Vertical | PASS |

LTE Band 4 20MHz BW, High Channel, QPSK

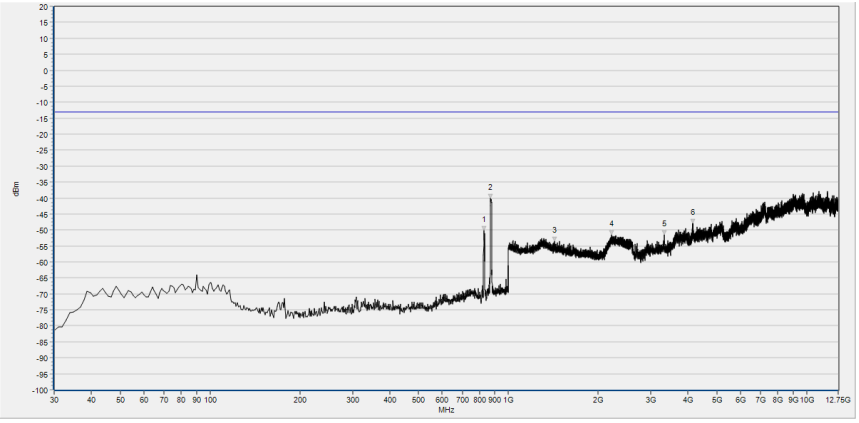


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 756.530 | -68.09 | -13.00 | Horizontal | PASS |
| 2 | 1736.295 | -44.96 | -13.00 | Horizontal | NA |
| 3 | 2149.900 | -37.47 | -13.00 | Horizontal | NA |
| 4 | 3638.734 | -49.63 | -13.00 | Horizontal | PASS |
| 5 | 7113.402 | -40.52 | -13.00 | Horizontal | PASS |
| 6 | 16535.334 | -29.27 | -13.00 | Horizontal | PASS |

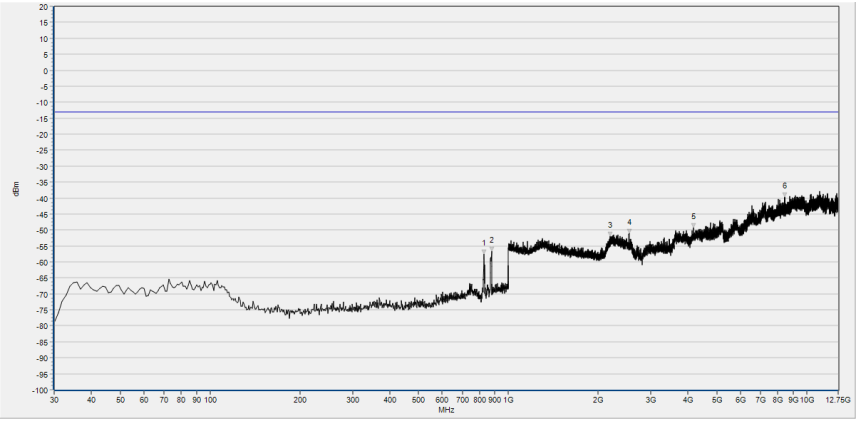


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 341.370 | -71.54 | -13.00 | Vertical | PASS |
| 2 | 1334.214 | -51.55 | -13.00 | Vertical | PASS |
| 3 | 1736.295 | -51.03 | -13.00 | Vertical | NA |
| 4 | 2150.540 | -44.01 | -13.00 | Vertical | NA |
| 5 | 4282.342 | -48.87 | -13.00 | Vertical | PASS |
| 6 | 16392.762 | -27.94 | -13.00 | Vertical | PASS |

LTE Band 5 10MHz BW, Low Channel, QPSK

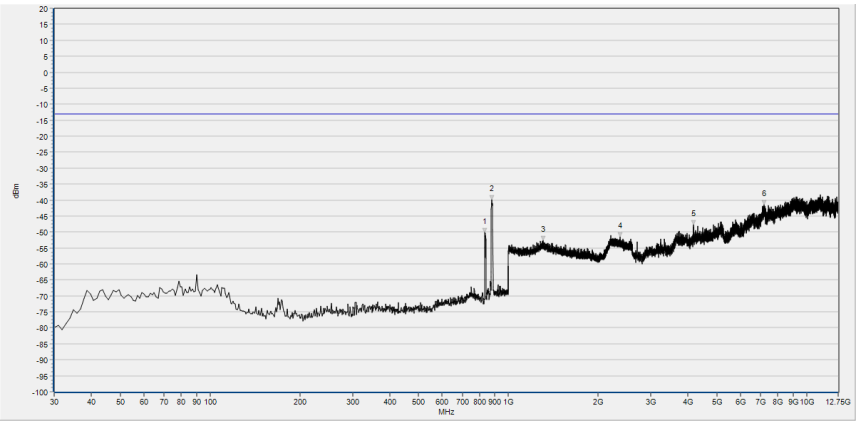


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 827.340 | -50.20 | -13.00 | Horizontal | NA |
| 2 | 871.960 | -40.11 | -13.00 | Horizontal | NA |
| 3 | 1430.892 | -53.62 | -13.00 | Horizontal | PASS |
| 4 | 2212.645 | -51.51 | -13.00 | Horizontal | PASS |
| 5 | 3325.396 | -51.49 | -13.00 | Horizontal | PASS |
| 6 | 4143.081 | -47.97 | -13.00 | Horizontal | PASS |

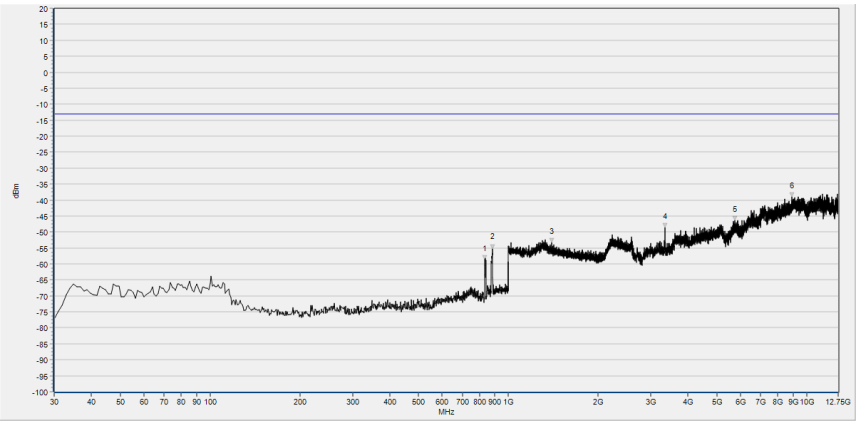


| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 827.340 | -57.58 | -13.00 | Vertical | NA |
| 2 | 877.780 | -56.54 | -13.00 | Vertical | NA |
| 3 | 2186.395 | -51.97 | -13.00 | Vertical | PASS |
| 4 | 2536.615 | -51.10 | -13.00 | Vertical | PASS |
| 5 | 4179.996 | -49.18 | -13.00 | Vertical | PASS |
| 6 | 8453.001 | -39.67 | -13.00 | Vertical | PASS |

LTE Band 5 10MHz BW, Mid Channel, QPSK

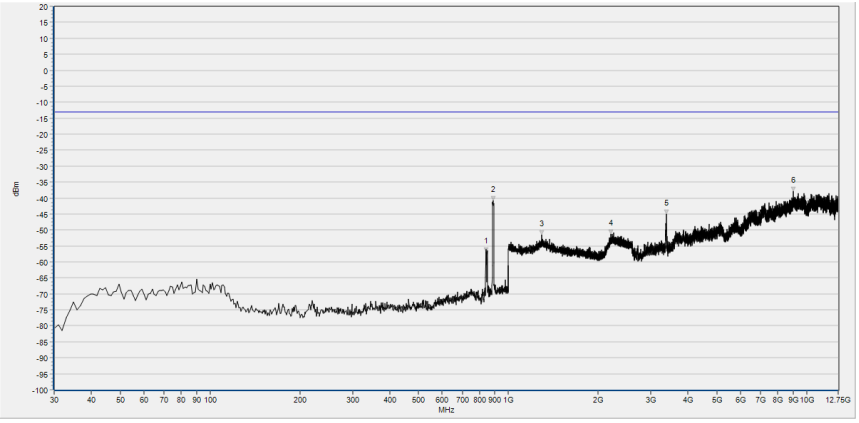



| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 834.130 | -50.06 | -13.00 | Horizontal | NA |
| 2 | 879.720 | -39.90 | -13.00 | Horizontal | NA |
| 3 | 1309.884 | -52.60 | -13.00 | Horizontal | PASS |
| 4 | 2372.069 | -51.47 | -13.00 | Horizontal | PASS |
| 5 | 4179.996 | -47.62 | -13.00 | Horizontal | PASS |
| 6 | 7203.401 | -41.56 | -13.00 | Horizontal | PASS |

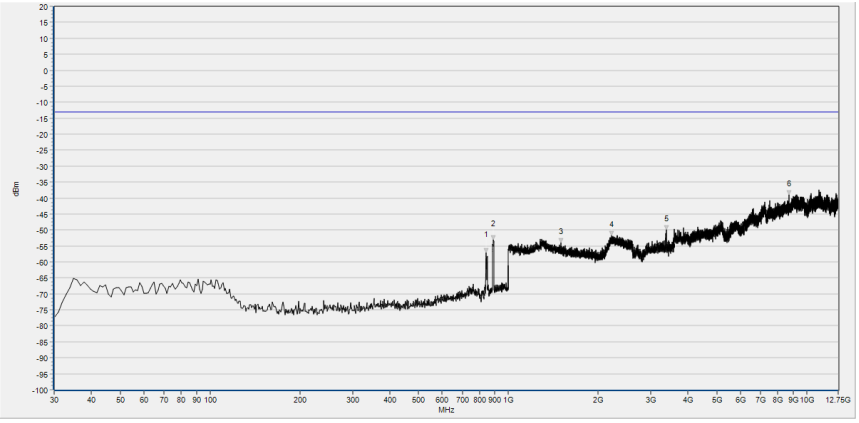



| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 834.130 | -58.74 | -13.00 | Vertical | NA |
| 2 | 885.540 | -55.20 | -13.00 | Vertical | NA |
| 3 | 1397.599 | -53.41 | -13.00 | Vertical | PASS |
| 4 | 3345.699 | -48.58 | -13.00 | Vertical | PASS |
| 5 | 5750.764 | -46.32 | -13.00 | Vertical | PASS |
| 6 | 8925.523 | -39.09 | -13.00 | Vertical | PASS |

LTE Band 5 10MHz BW, High Channel, QPSK



| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 839.950 | -56.90 | -13.00 | Horizontal | NA |
| 2 | 887.480 | -40.88 | -13.00 | Horizontal | NA |
| 3 | 1293.237 | -51.60 | -13.00 | Horizontal | PASS |
| 4 | 2203.681 | -51.40 | -13.00 | Horizontal | PASS |
| 5 | 3384.461 | -45.07 | -13.00 | Horizontal | PASS |
| 6 | 9006.738 | -37.96 | -13.00 | Horizontal | PASS |



| No. | Fre. (MHz) | Peak | Limit(PK) | Antenna | Verdict |
|---|---|---|---|---|---|
| 1 | 842.860 | -57.11 | -13.00 | Vertical | NA |
| 2 | 891.360 | -53.18 | -13.00 | Vertical | NA |
| 3 | 1498.119 | -53.99 | -13.00 | Vertical | PASS |
| 4 | 2211.365 | -51.70 | -13.00 | Vertical | PASS |
| 5 | 3384.461 | -49.96 | -13.00 | Vertical | PASS |
| 6 | 8709.565 | -38.97 | -13.00 | Vertical | PASS |