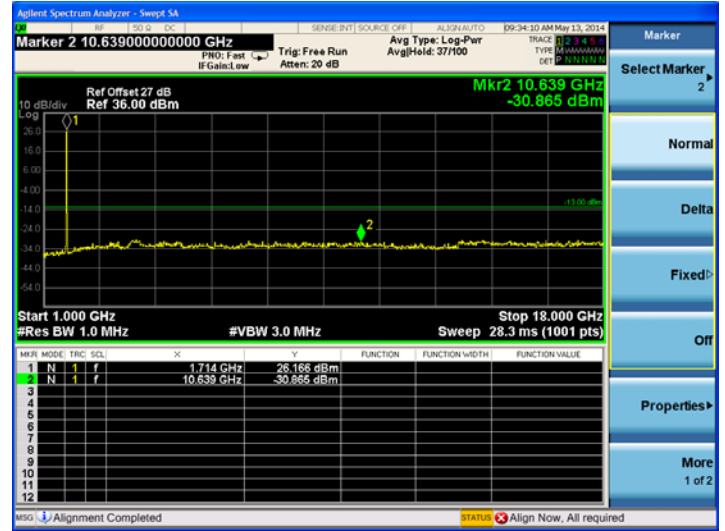
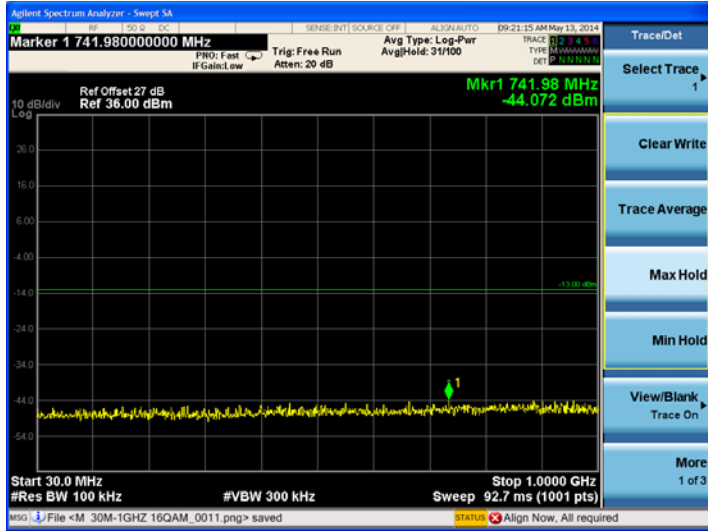
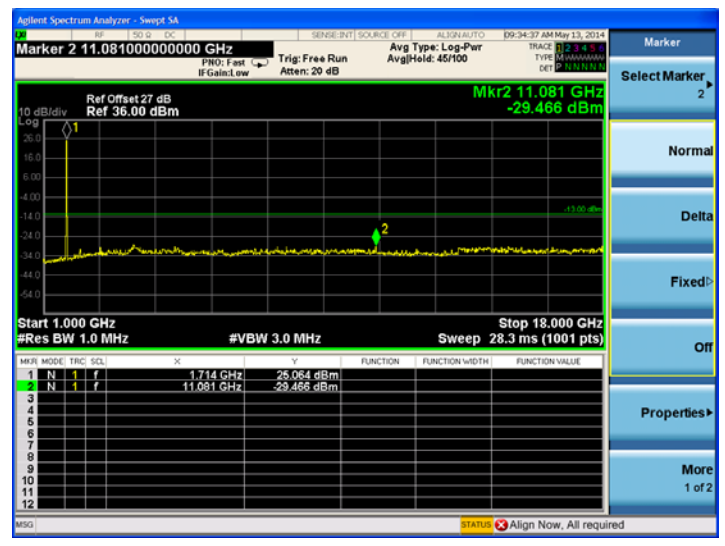
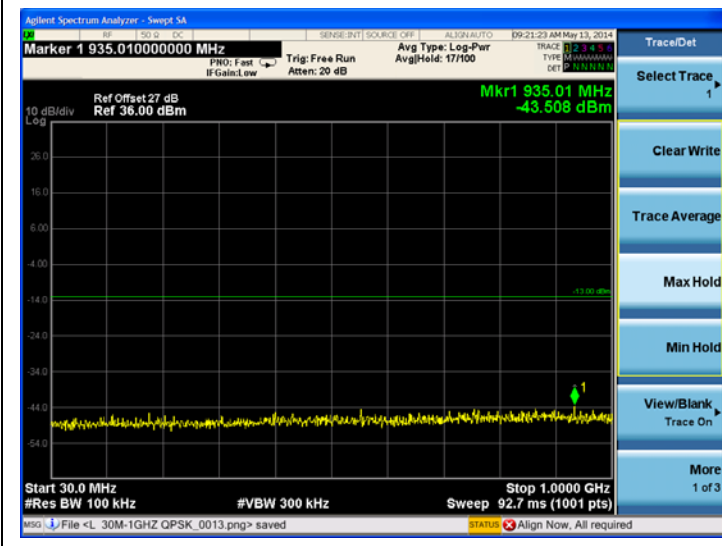




LTE Band 4 15MHz BW, Low Channel  
QPSK

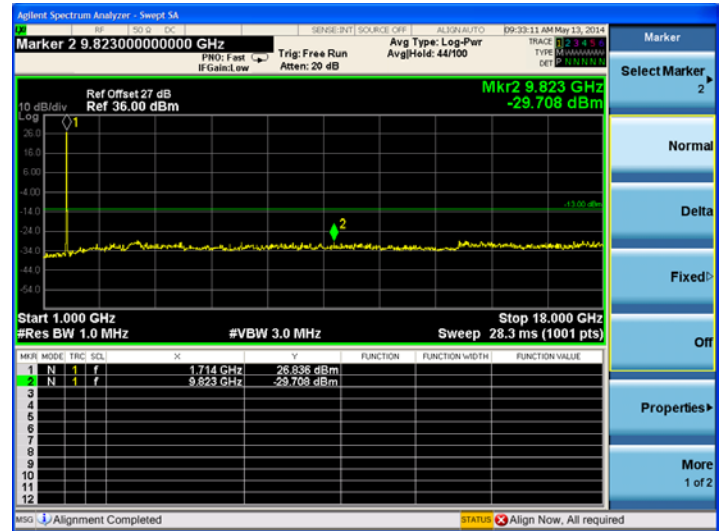
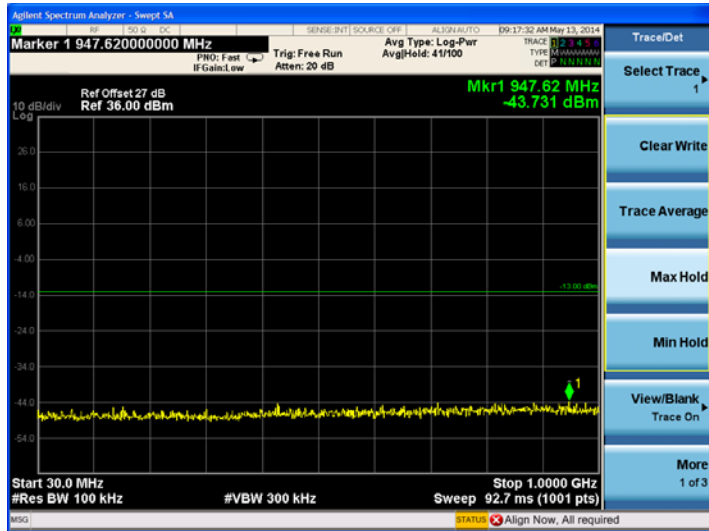


16QAM

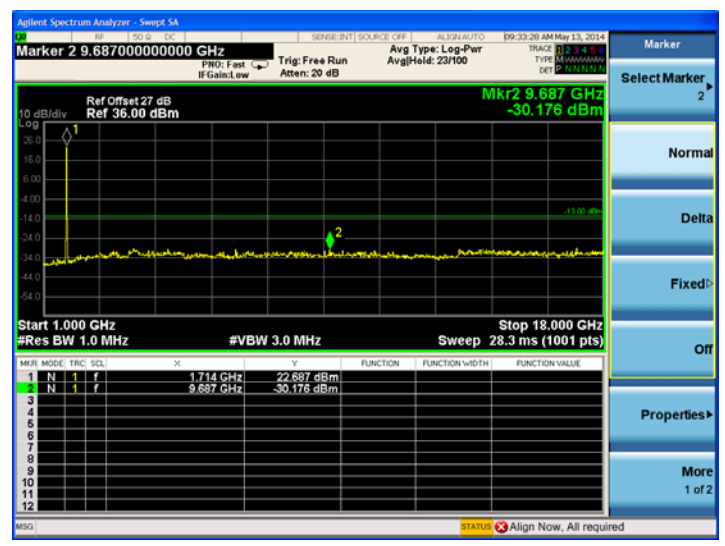
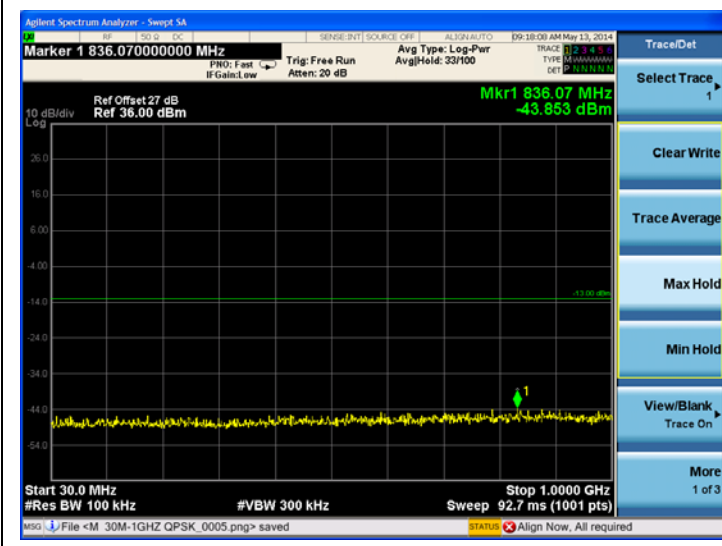




LTE Band 4 20MHz BW, Low Channel  
QPSK



16QAM

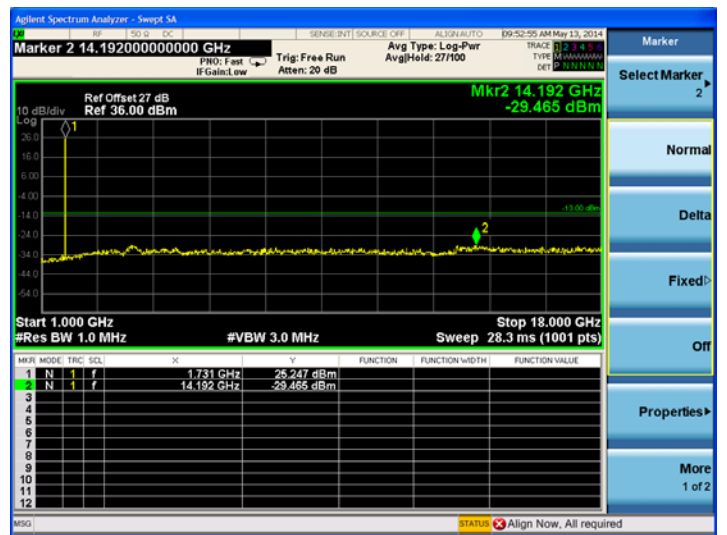
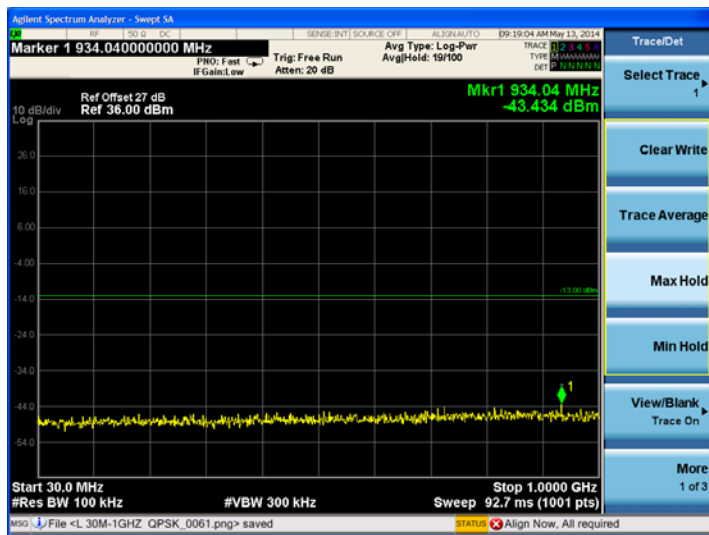




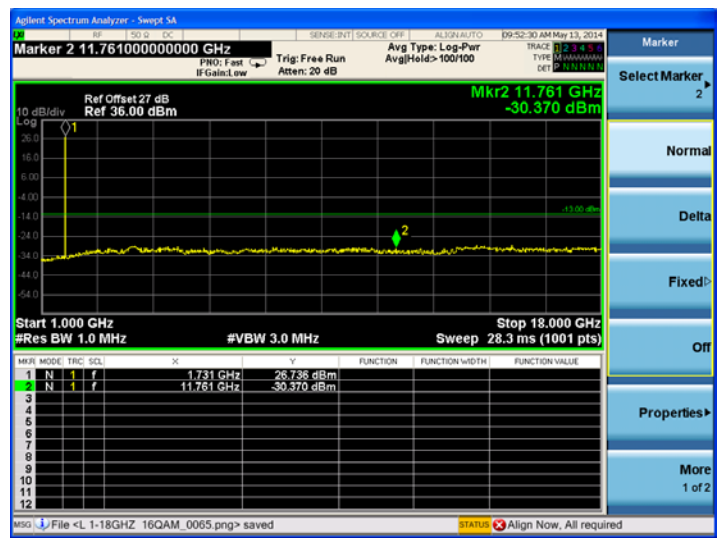
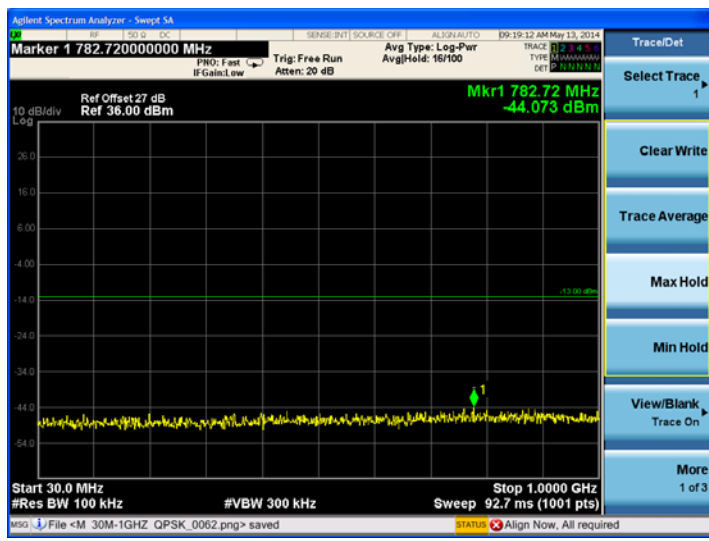
Middle channel:

LTE Band 4 1.4MHz BW, Mid Channel

QPSK



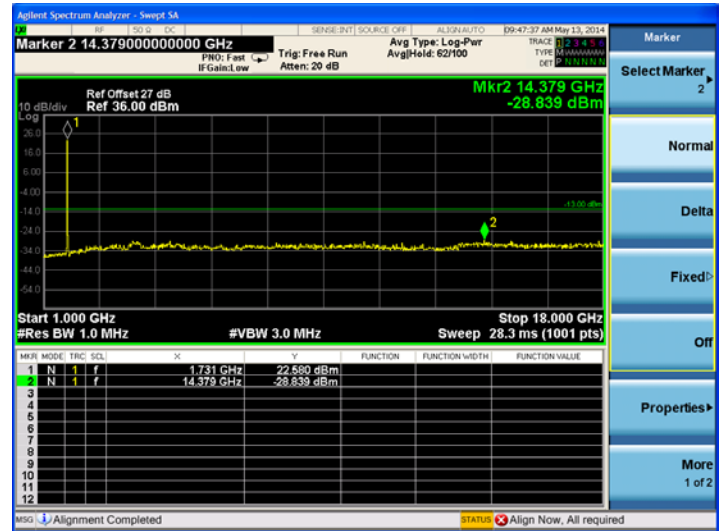
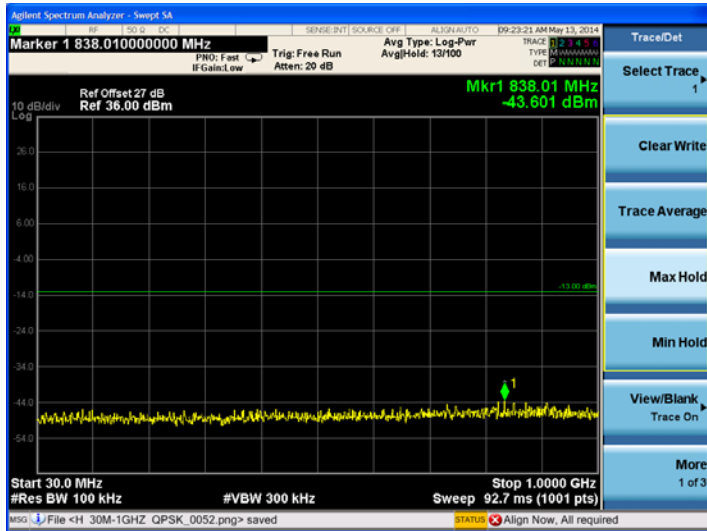
16QAM



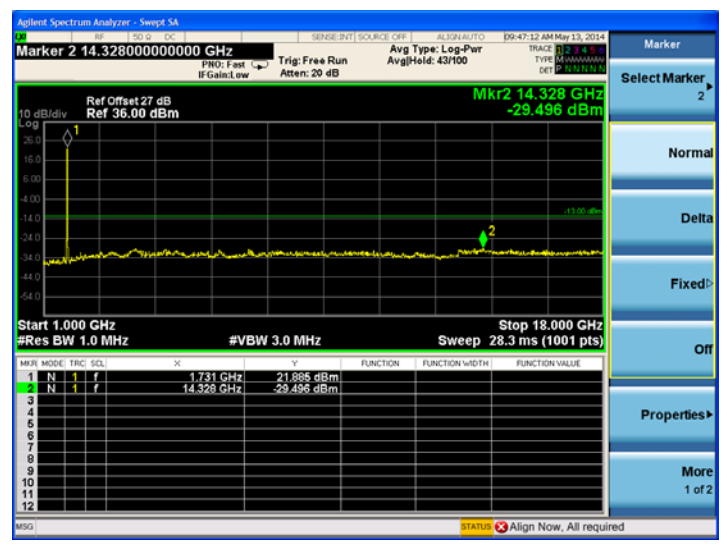
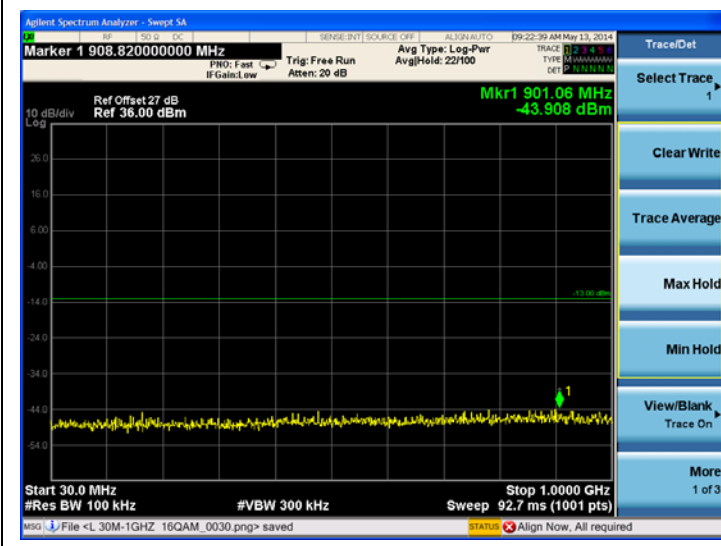


### LTE Band 4 3MHz BW, Mid Channel

### QPSK

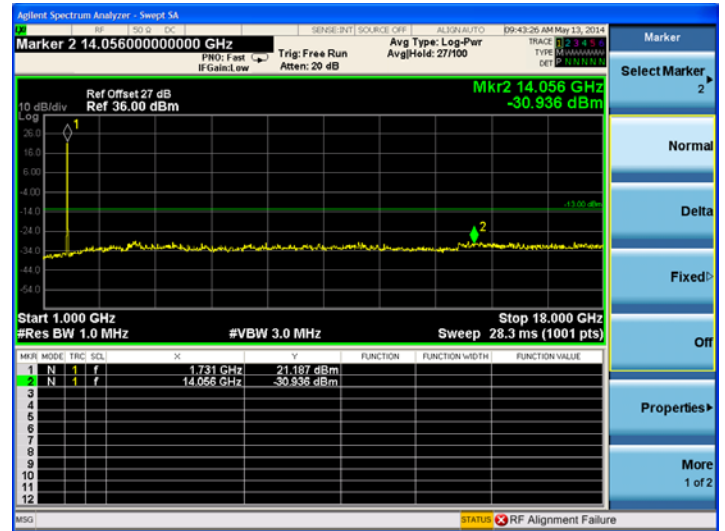
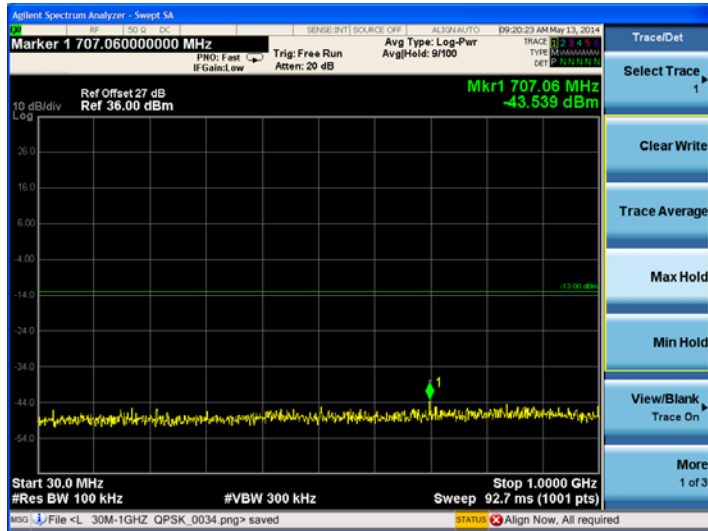


### 16QAM

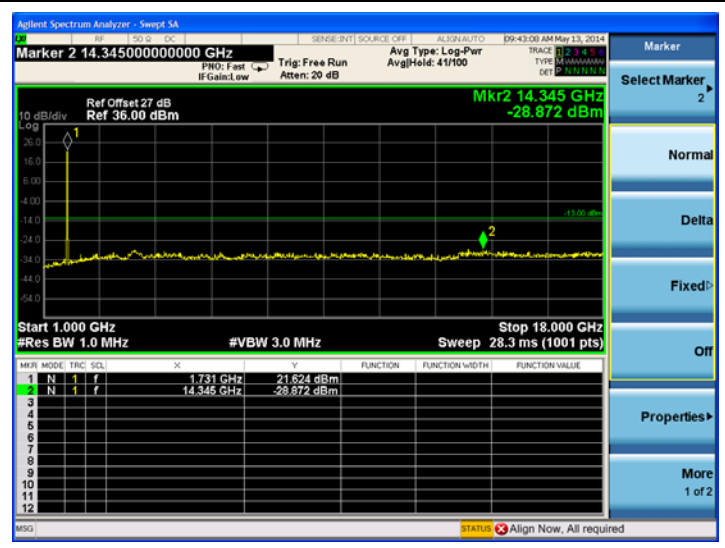
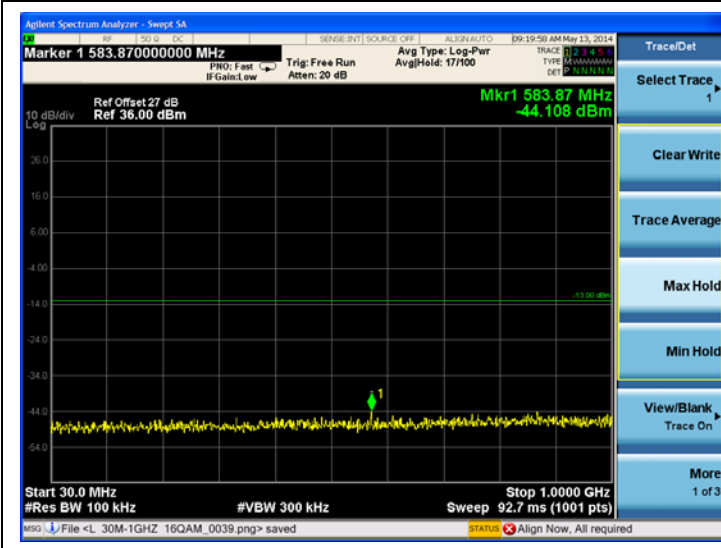




### LTE Band 4 5MHz BW, Mid Channel QPSK



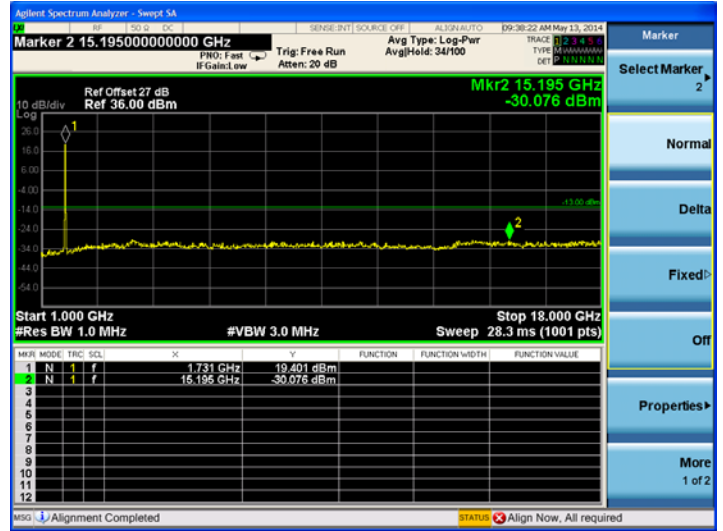
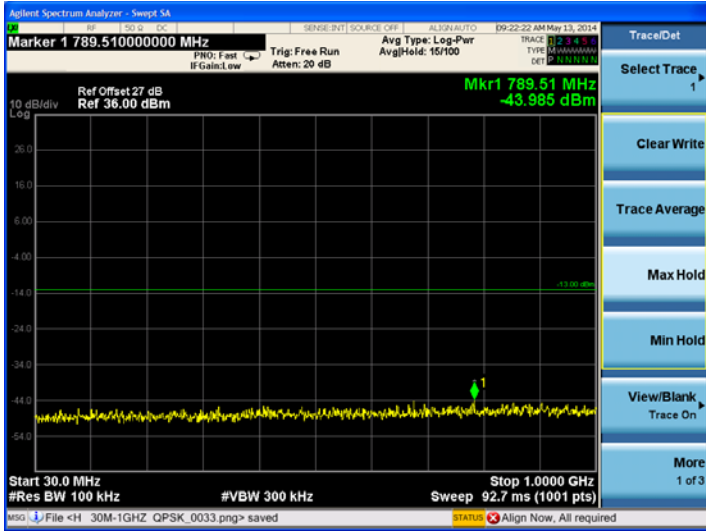
### 16QAM



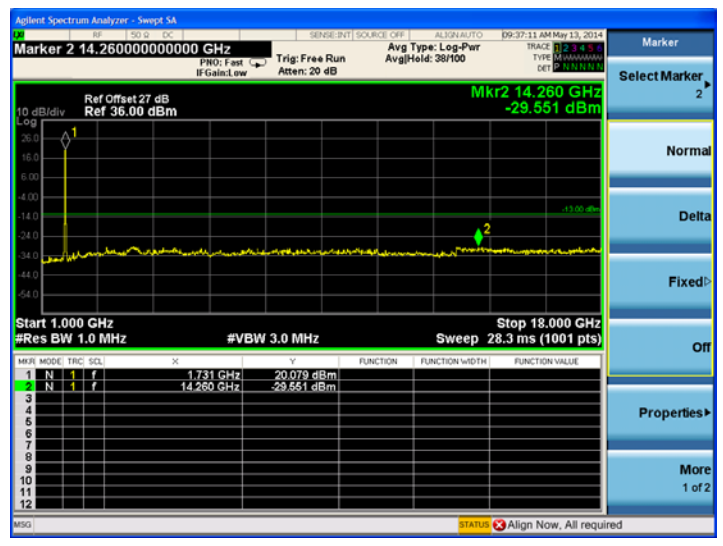
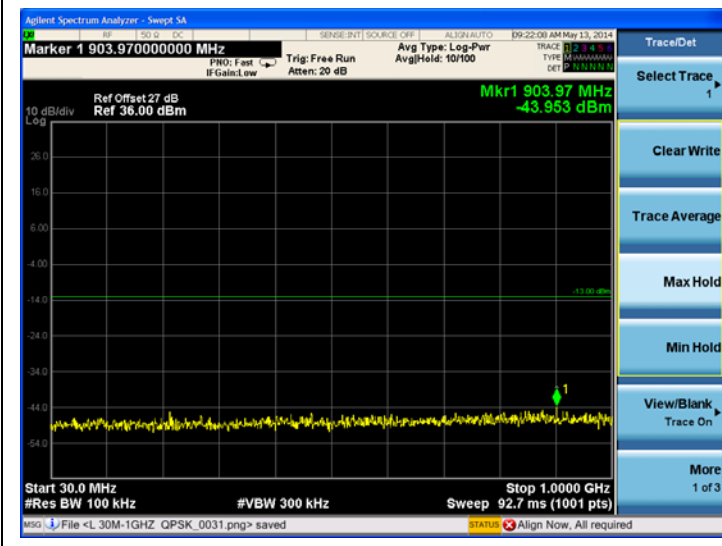


### LTE Band 4 10MHz BW, Mid Channel

### QPSK



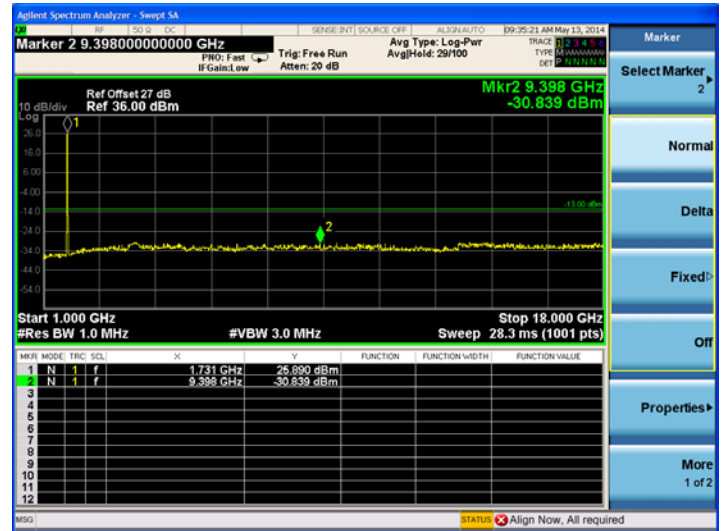
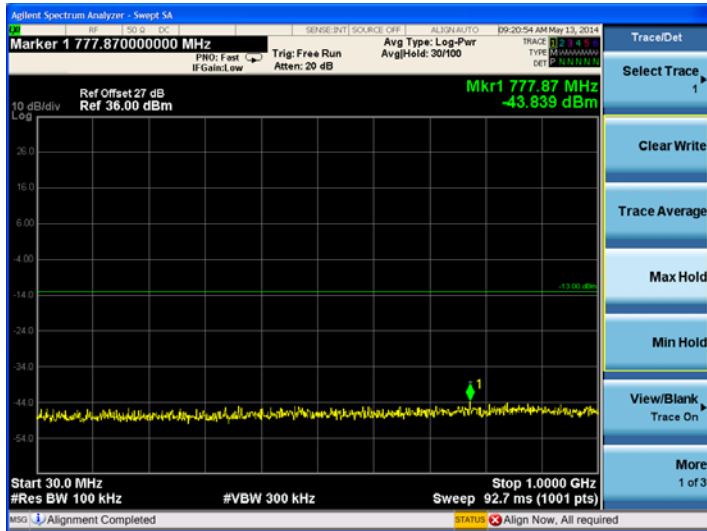
### 16QAM



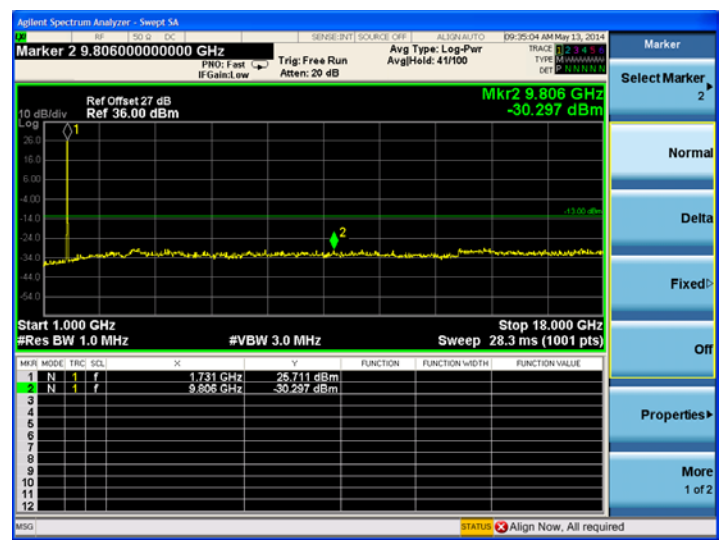
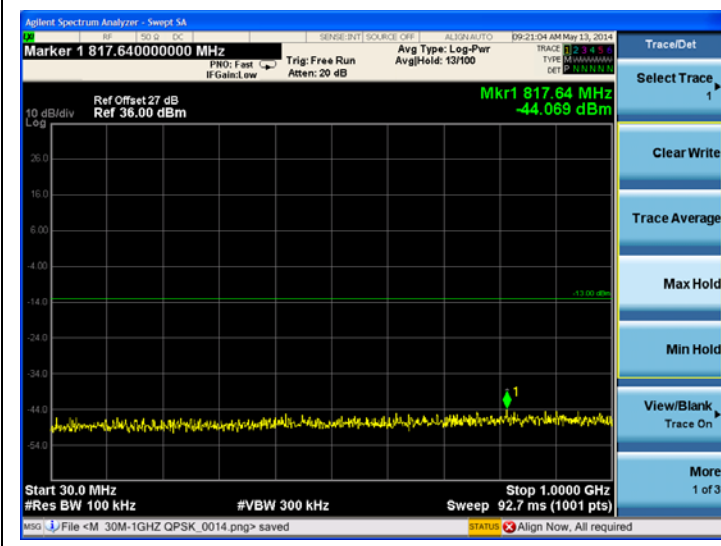


### LTE Band 4 15MHz BW, Mid Channel

### QPSK

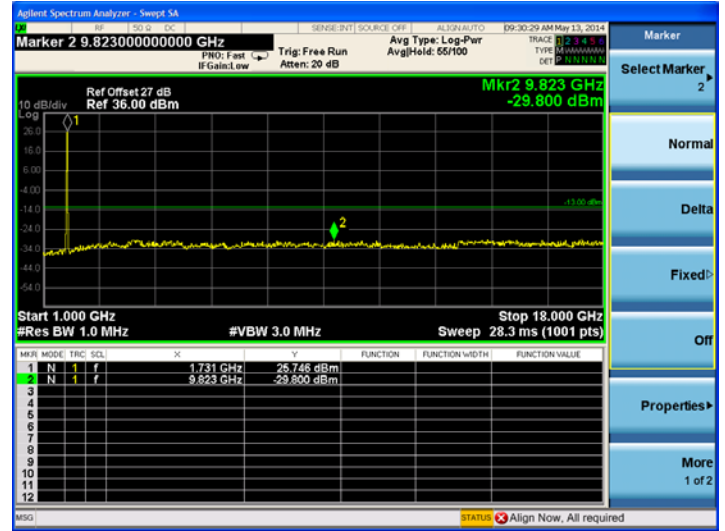
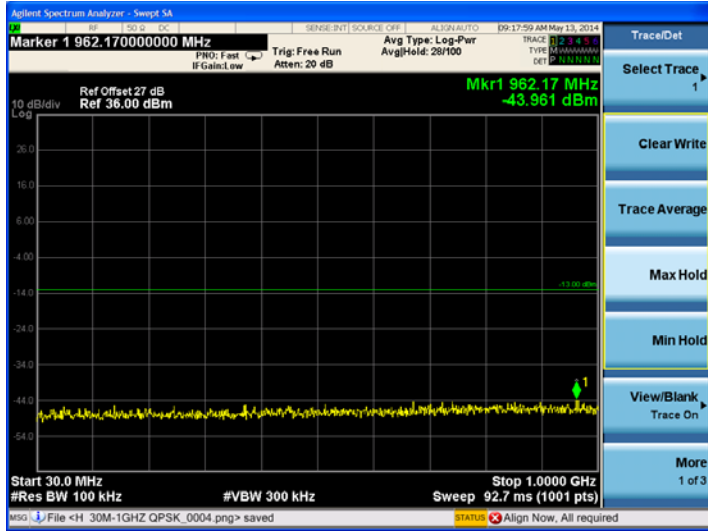


### 16QAM

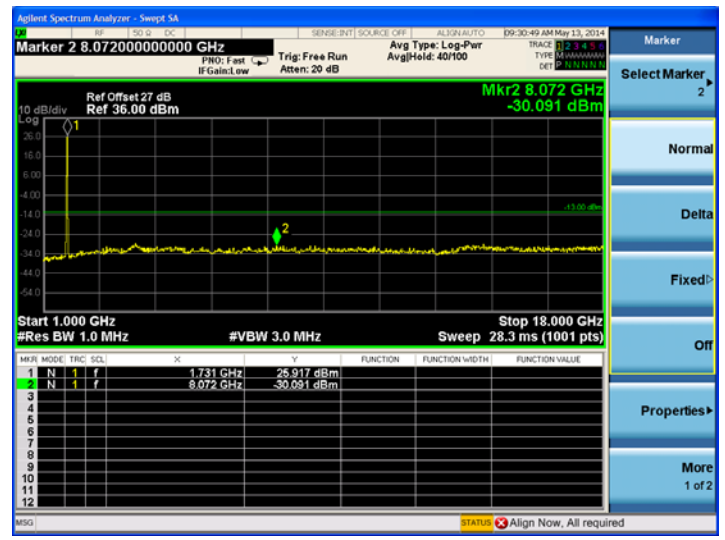
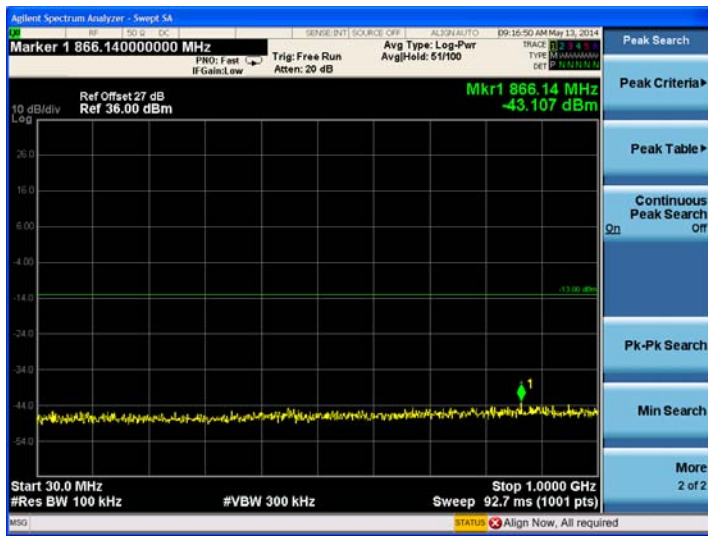




LTE Band 4 20MHz BW, Mid Channel  
QPSK



16QAM



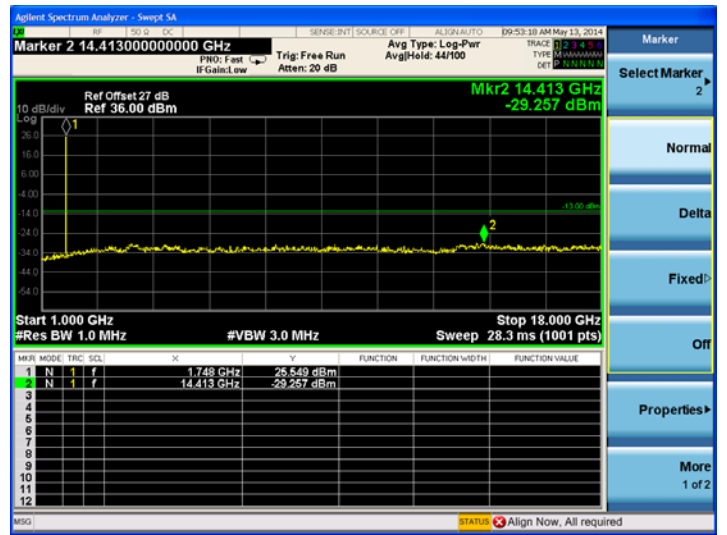
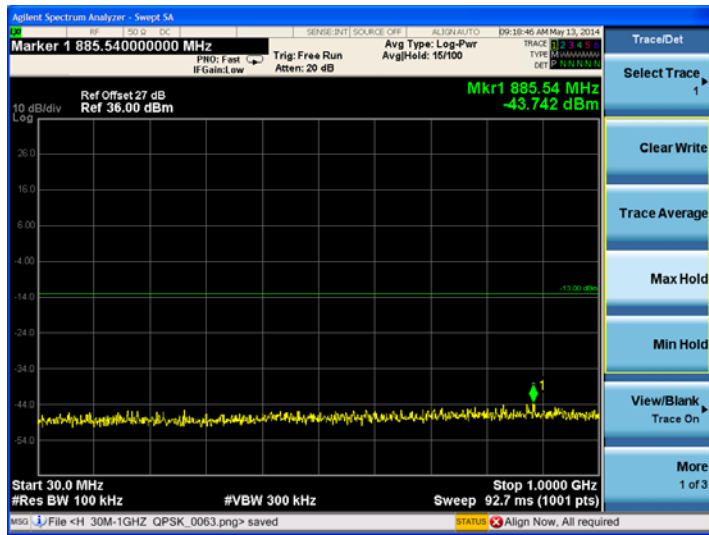




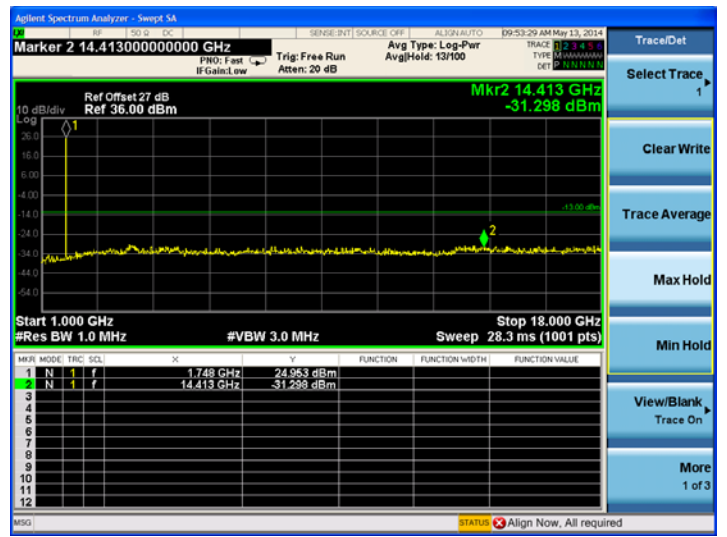
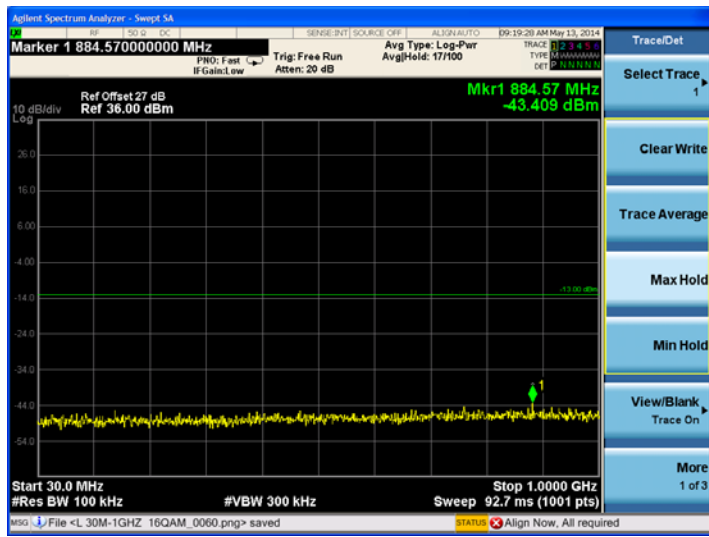
High channel:

### LTE Band 4 1.4MHz BW, High Channel

#### QPSK

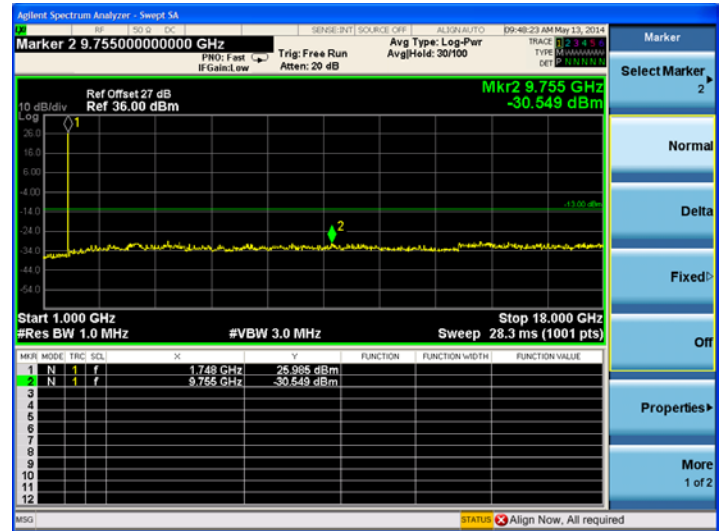
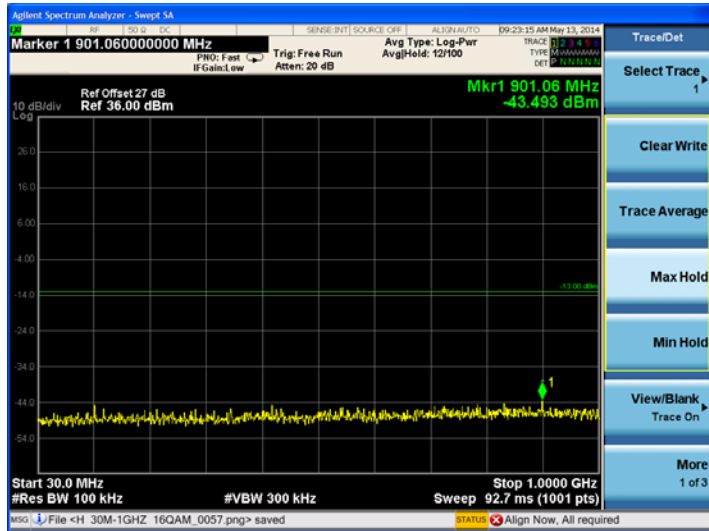


#### 16QAM

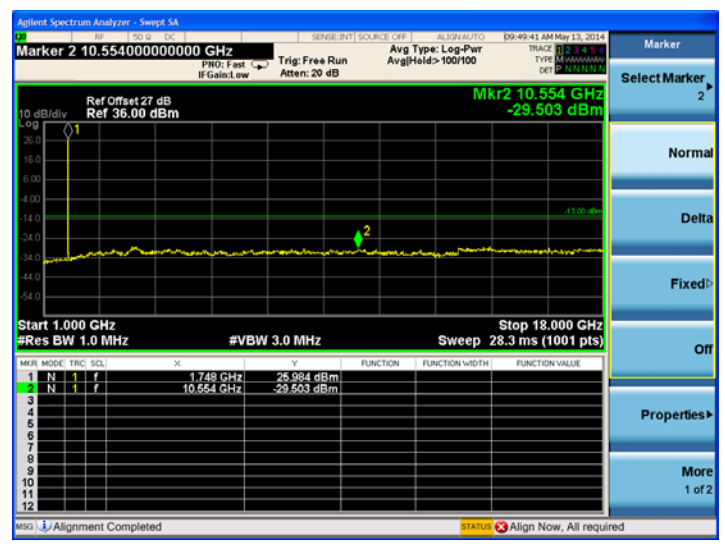
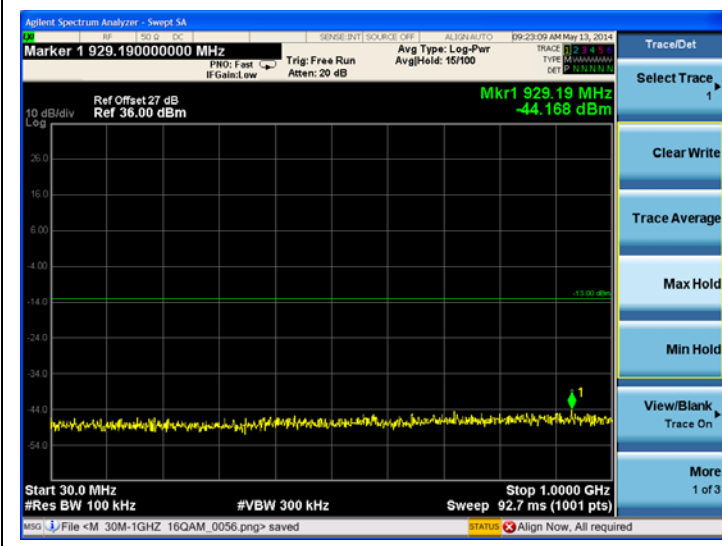




### LTE Band 4 3MHz BW, High Channel QPSK

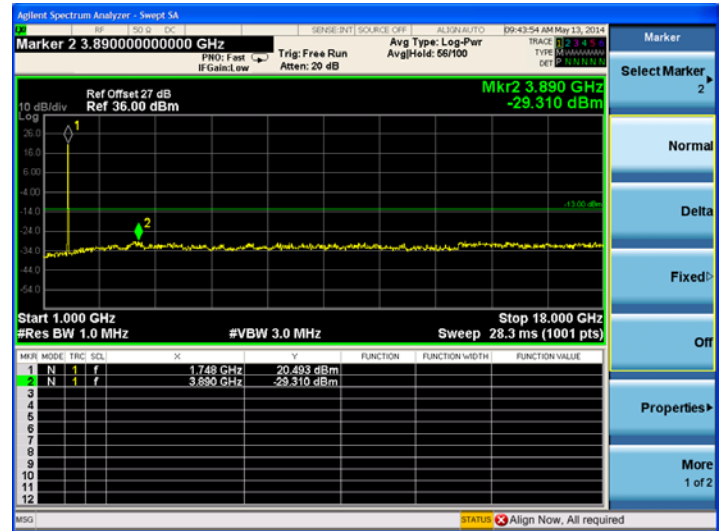
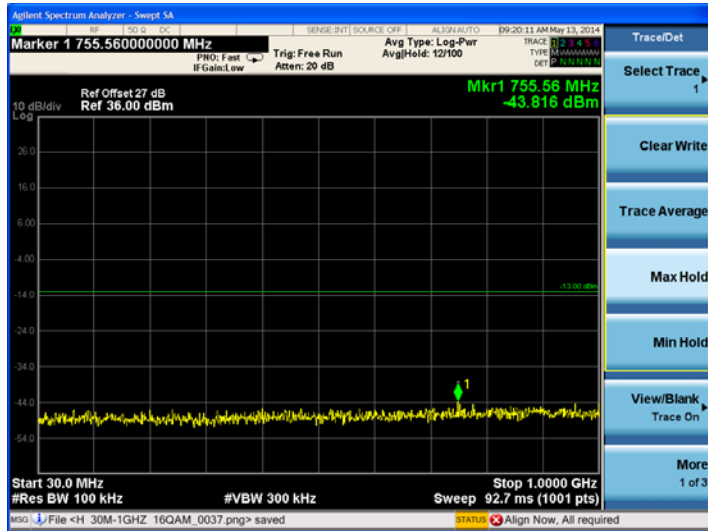


### 16QAM

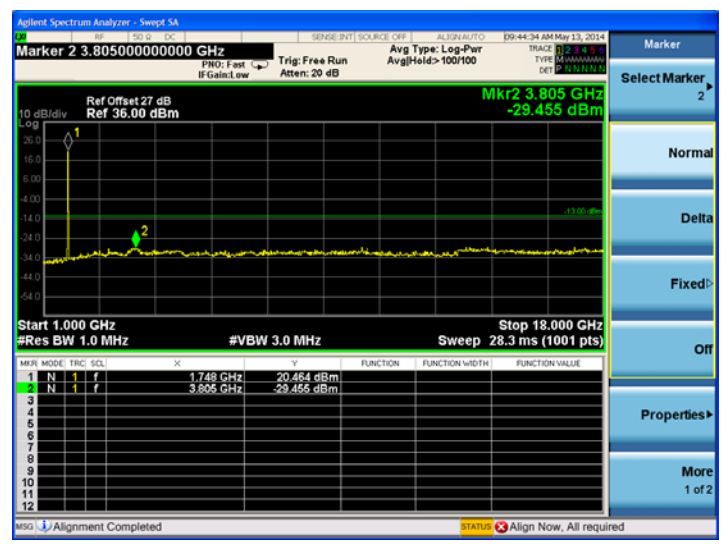
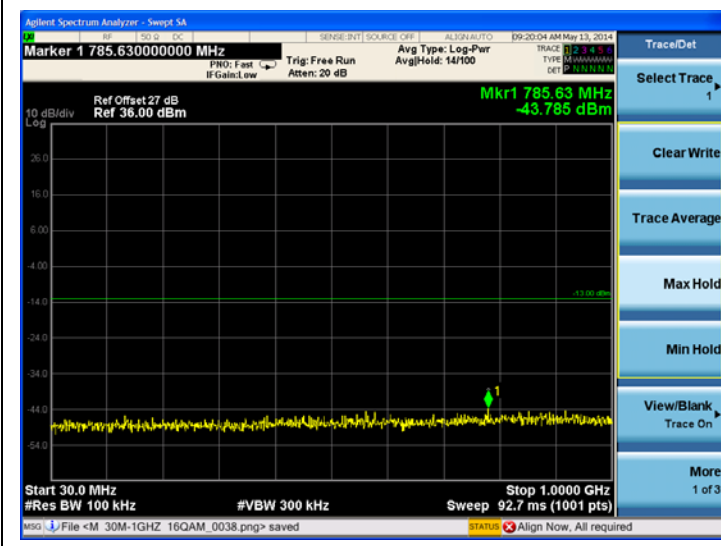




### LTE Band 4 5MHz BW, High Channel QPSK

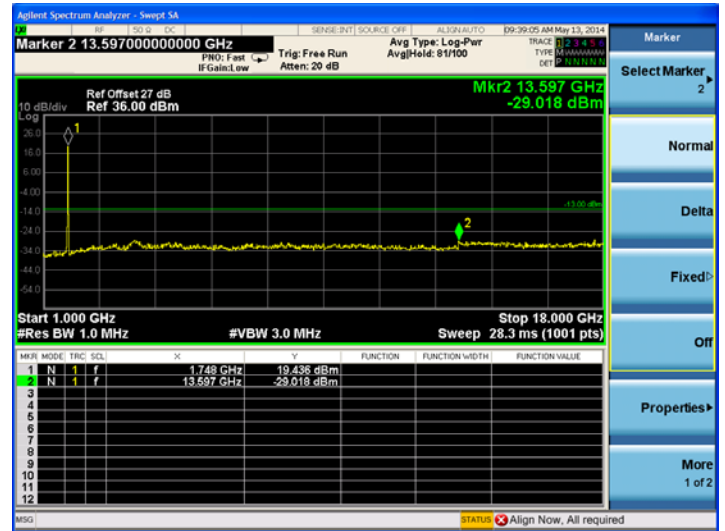
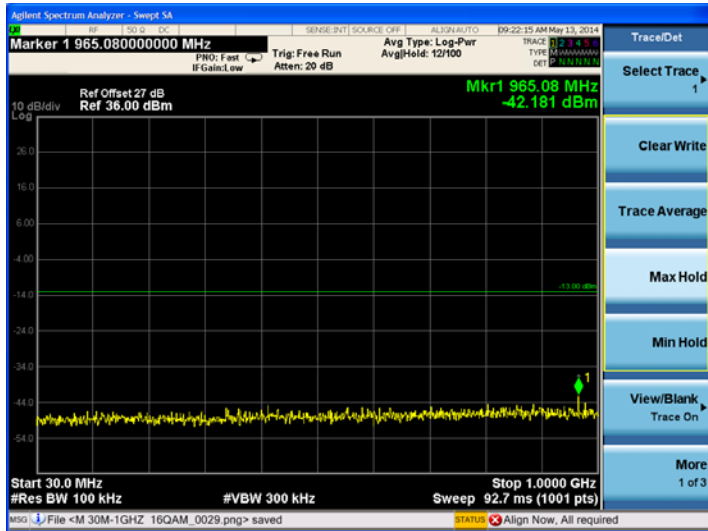


### 16QAM

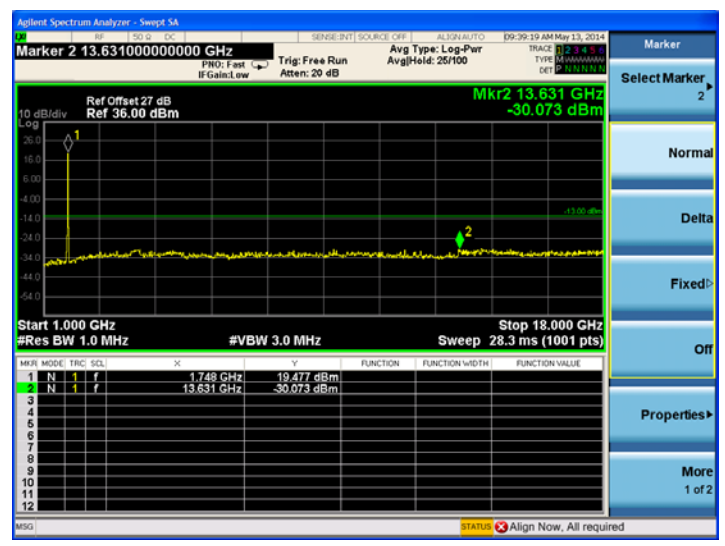
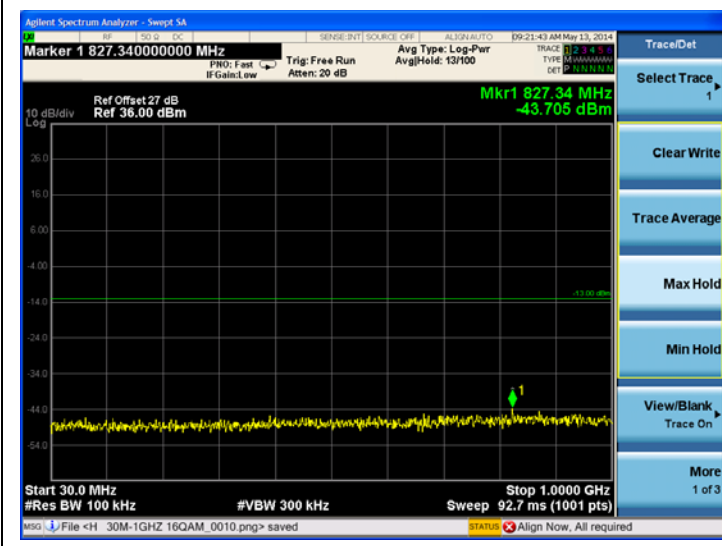




### LTE Band 4 10MHz BW, High Channel QPSK

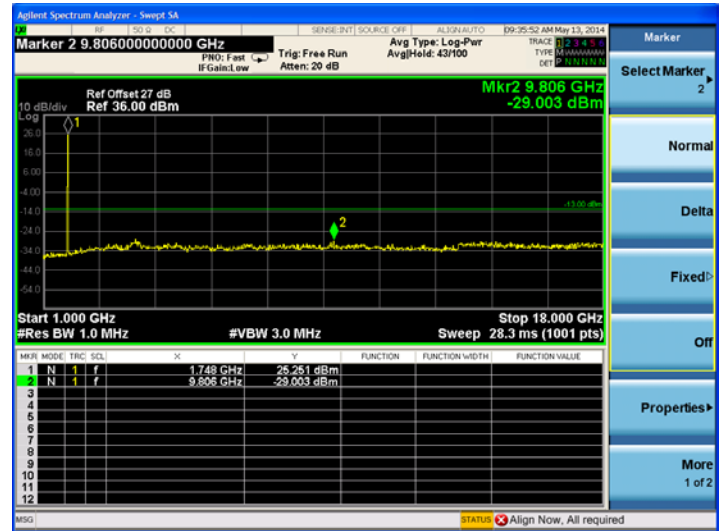
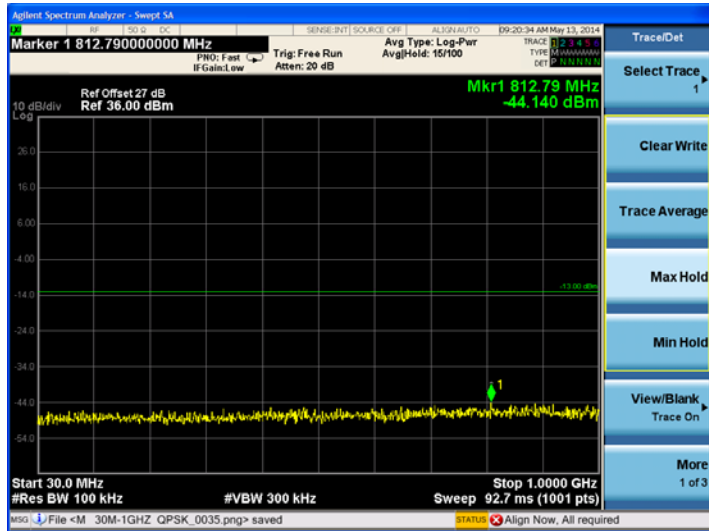


### 16QAM

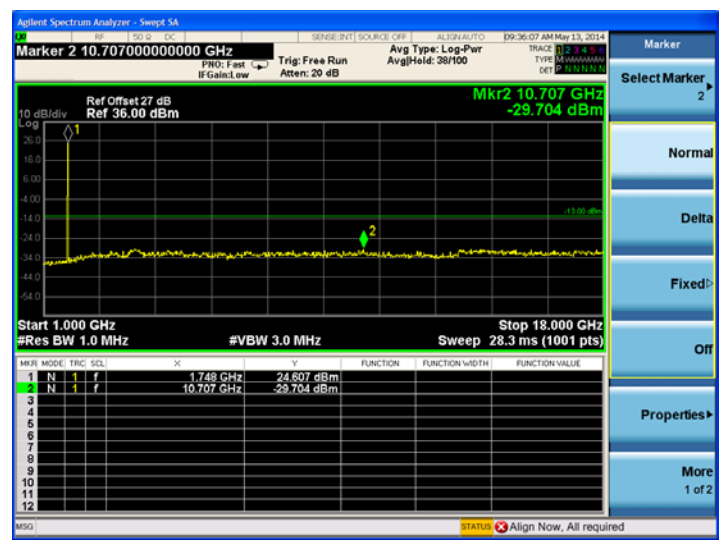
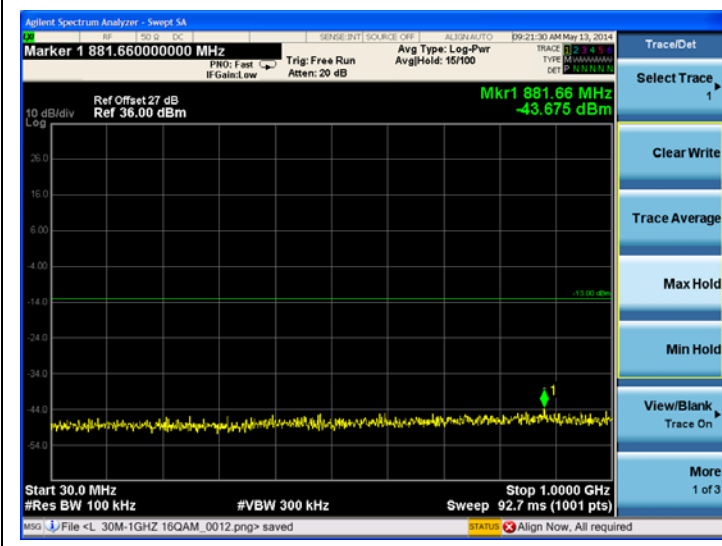




### LTE Band 4 15MHz BW, High Channel QPSK

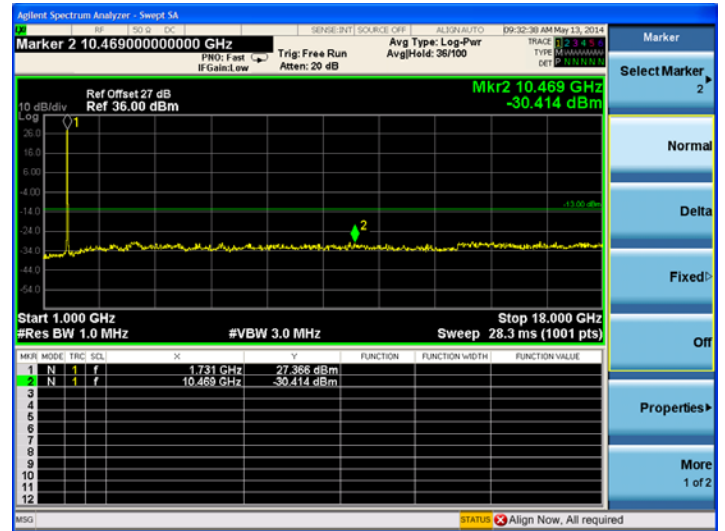
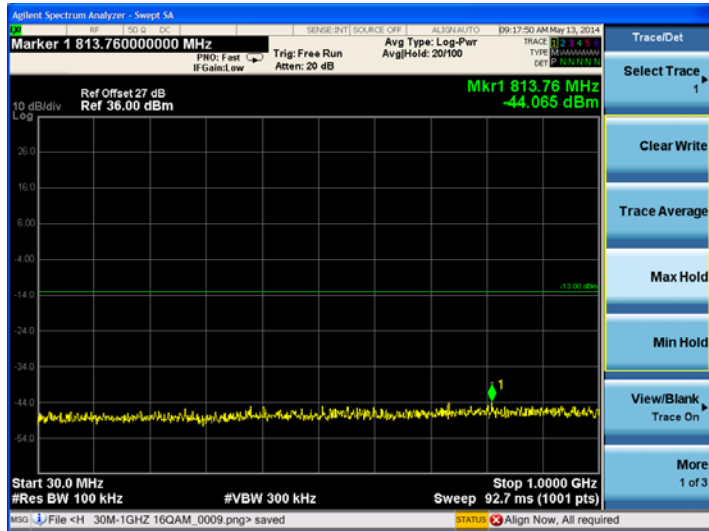


### 16QAM

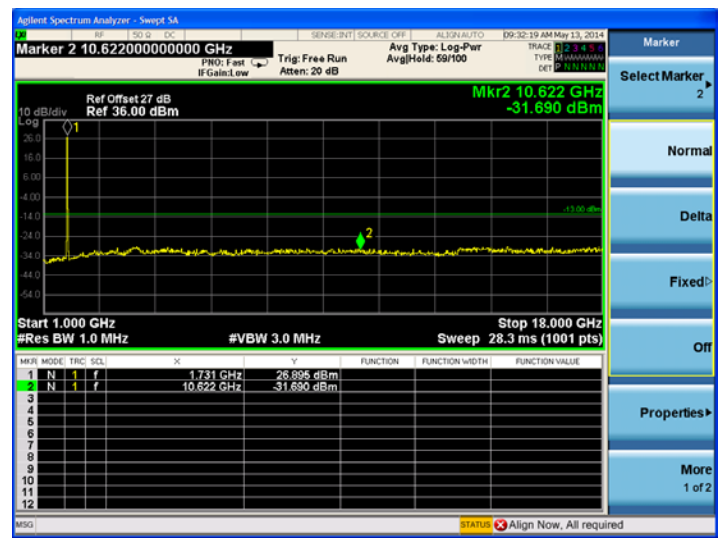
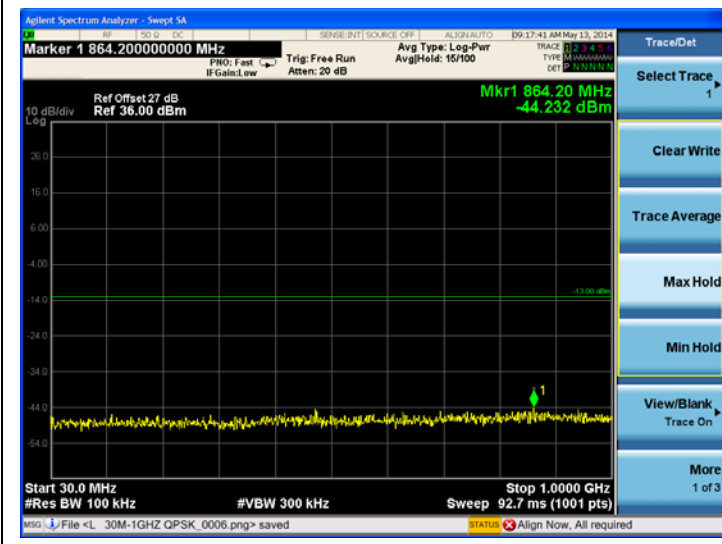




### LTE Band 4 20MHz BW, High Channel QPSK



### 16QAM



## 2.6 Band Edge

### 2.6.1 Requirement

According to FCC section 27.53(g) (h), (g) For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log (P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) For operations in the 1710–1755 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log_{10}(P)$  dB.

### 2.6.2 Test Description

See section 2.1.2 of this report.

### 2.6.3 Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

PASS. See the attached plots.

## 2.7 Transmitter Radiated Power (EIRP/ERP)

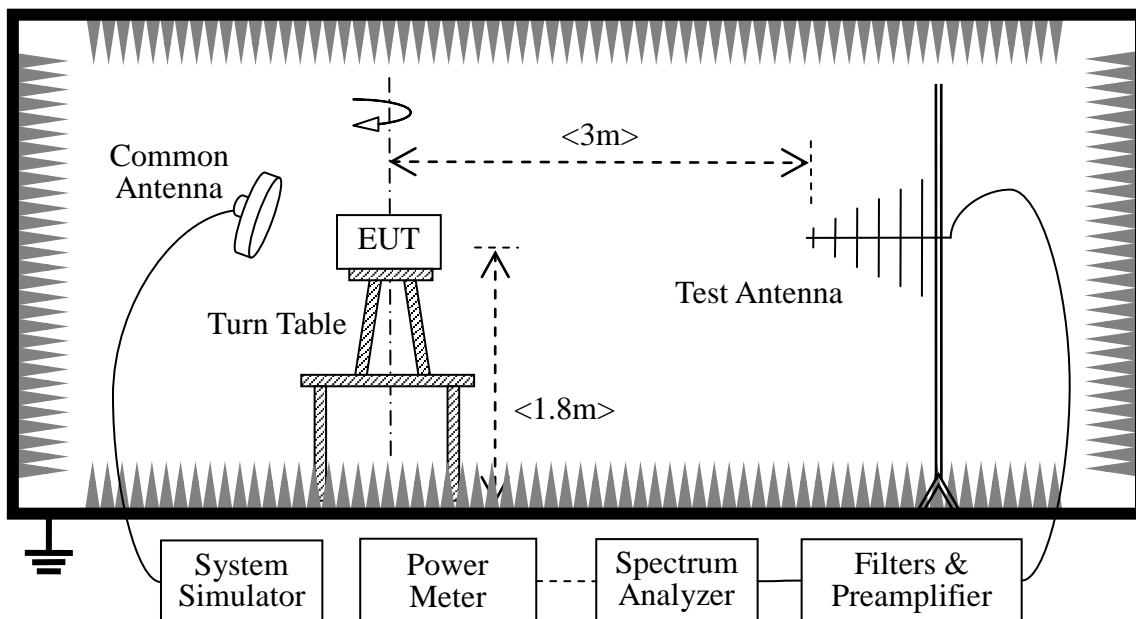
### 2.7.1 Requirement

According to FCC section 27.50 (d), fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.

Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

### 2.7.2 Test Description

#### 1. Test Setup:



The EUT, which is powered by the PC, 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.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

#### 2. Equipments List:

| Description      | Manufacturer | Model  | Serial No.    | Cal. Date  | Cal. Due   |
|------------------|--------------|--------|---------------|------------|------------|
| System Simulator | Rohde&       | CMW500 | 1201.0002k50/ | 2014.02.26 | 2015.02.25 |





| Description           | Manufacturer   | Model      | Serial No. | Cal. Date  | Cal. Due   |
|-----------------------|----------------|------------|------------|------------|------------|
|                       | Schwarz        |            | 124534/wk  |            |            |
| Spectrum Analyzer     | Rohde& Schwarz | FSL        | 10246      | 2014.02.26 | 2015.02.25 |
| Spectrum Analyzer     | Agilent        | E4445A     | MY44200685 | 2014.02.26 | 2015.02.25 |
| Full-Anechoic Chamber | Albatross      | 9m*6m*6m   | (n.a.)     | 2014.02.26 | 2015.02.25 |
| Test Antenna - Bi-Log | Schwarzbeck    | VULB 9163  | 9163-274   | 2014.02.26 | 2015.02.25 |
| Test Antenna - Horn   | Schwarzbeck    | BBHA 9120C | 9120C-384  | 2014.02.26 | 2015.02.25 |

### 2.7.3 Test Result

The EUT was verified under all configurations (RB size and offset) and the worst case radiated power reported for each modulation/channel bandwidth.

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST\_TX}} - P_{\text{SUBST\_RX}} - L_{\text{SUBST\_CABLES}} + G_{\text{SUBST\_TX\_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where  $A_{\text{SUBST}}$  is the final substitution correction including receive antenna gain.

$P_{\text{SUBST\_TX}}$  is signal generator level,

$P_{\text{SUBST\_RX}}$  is receiver level,

$L_{\text{SUBST\_CABLES}}$  is cable losses including TX cable,

$G_{\text{SUBST\_TX\_ANT}}$  is substitution antenna gain.

$A_{\text{TOT}}$  is total correction factor including cable loss and substitution correction

During the test, the data of  $A_{\text{TOT}}$  was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of  $A_{\text{TOT}}$ .



| Band       | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |
|------------|------------|------------|-----------------|------------|------------------|-----------|-----------|
|            |            |            |                 |            | RB Size          | RB Offset |           |
| LTE Band 4 | 20MHz      | L<br>20050 | 1720            | QPSK       | 1                | 0         | 23.55     |
|            |            |            |                 |            | 1                | 49        | 24.13     |
|            |            |            |                 |            | 1                | 99        | 25.72     |
|            |            |            |                 |            | 50               | 0         | 23.89     |
|            |            |            |                 |            | 50               | 25        | 23.78     |
|            |            |            |                 |            | 50               | 49        | 24.32     |
|            |            |            |                 |            | 100              | 0         | 24.09     |
|            |            |            |                 | 16-QAM     | 1                | 0         | 23.87     |
|            |            |            |                 |            | 1                | 49        | 23.78     |
|            |            |            |                 |            | 1                | 99        | 24.68     |
|            |            |            |                 |            | 50               | 0         | 24.52     |
|            |            |            |                 |            | 50               | 25        | 24.14     |
|            |            |            |                 |            | 50               | 49        | 24.12     |
|            |            |            |                 |            | 100              | 0         | 23.46     |
|            |            | M<br>20175 | QPSK            | 1          | 0                | 25.81     |           |
|            |            |            |                 | 1          | 49               | 25.92     |           |
|            |            |            |                 | 1          | 99               | 25.94     |           |
|            |            |            |                 | 50         | 0                | 25.04     |           |
|            |            |            |                 | 50         | 25               | 25.12     |           |
|            |            |            |                 | 50         | 49               | 25.76     |           |
|            |            |            |                 | 100        | 0                | 23.49     |           |
|            |            |            | 16-QAM          | 1          | 0                | 25.34     |           |
|            |            |            |                 | 1          | 49               | 24.42     |           |
|            |            |            |                 | 1          | 99               | 25.69     |           |
|            |            |            |                 | 50         | 0                | 25.41     |           |
|            |            |            |                 | 50         | 25               | 25.17     |           |
|            |            |            |                 | 50         | 49               | 25.56     |           |
|            |            |            |                 | 100        | 0                | 24.41     |           |
| H<br>20300 | QPSK       | 1          | 0               | 25.53      |                  |           |           |
|            |            | 1          | 49              | 25.34      |                  |           |           |
|            |            | 1          | 99              | 25.08      |                  |           |           |
|            |            | 50         | 0               | 25.61      |                  |           |           |
|            |            | 50         | 25              | 25.12      |                  |           |           |
|            |            | 50         | 49              | 24.34      |                  |           |           |
|            |            | 100        | 0               | 24.41      |                  |           |           |
|            | 16-QAM     | 1          | 0               | 24.98      |                  |           |           |
|            |            | 1          | 49              | 25.12      |                  |           |           |



| Band       | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |
|------------|------------|------------|-----------------|------------|------------------|-----------|-----------|
|            |            |            |                 |            | RB Size          | RB Offset |           |
|            |            |            |                 |            | 1                | 99        | 25.83     |
|            |            |            |                 |            | 50               | 0         | 25.32     |
|            |            |            |                 |            | 50               | 25        | 25.12     |
|            |            |            |                 |            | 50               | 49        | 25.44     |
|            |            |            |                 |            | 100              | 0         | 24.67     |
|            | 15MHz      | L<br>20025 | 1717.5          | QPSK       | 1                | 0         | 25.84     |
|            |            |            |                 |            | 1                | 37        | 25.12     |
|            |            |            |                 |            | 1                | 74        | 25.35     |
|            |            |            |                 |            | 36               | 0         | 25.14     |
|            |            |            |                 |            | 36               | 18        | 25.26     |
|            |            |            |                 |            | 36               | 35        | 25.34     |
|            |            |            |                 | 75         | 0                | 24.62     |           |
|            |            |            |                 | 16-QAM     | 1                | 0         | 25.26     |
|            |            |            |                 |            | 1                | 37        | 25.23     |
|            |            |            |                 |            | 1                | 74        | 25.67     |
|            |            |            |                 |            | 36               | 0         | 25.54     |
|            |            |            |                 |            | 36               | 18        | 24.98     |
|            |            |            |                 |            | 36               | 35        | 24.12     |
|            |            | 75         | 0               |            | 24.51            |           |           |
|            |            | M<br>20175 | QPSK            | 1732.5     | 1                | 0         | 25.78     |
|            |            |            |                 |            | 1                | 37        | 25.21     |
|            |            |            |                 |            | 1                | 74        | 25.64     |
|            |            |            |                 |            | 36               | 0         | 25.89     |
|            |            |            |                 |            | 36               | 18        | 25.76     |
|            |            |            |                 |            | 36               | 35        | 26.23     |
|            |            |            | 75              | 0          | 25.62            |           |           |
|            |            |            | 16-QAM          | 1          | 0                | 25.94     |           |
|            |            |            |                 | 1          | 37               | 25.78     |           |
| 1          | 74         |            |                 | 25.31      |                  |           |           |
| 36         | 0          |            |                 | 25.98      |                  |           |           |
| 36         | 18         |            |                 | 25.65      |                  |           |           |
| 36         | 35         | 25.34      |                 |            |                  |           |           |
| H<br>20325 | QPSK       | 1747.5     | 1               | 0          | 25.41            |           |           |
|            |            |            | 1               | 37         | 25.76            |           |           |
|            |            |            | 1               | 74         | 25.81            |           |           |
|            |            |            | 36              | 0          | 25.34            |           |           |



| Band       | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |       |
|------------|------------|------------|-----------------|------------|------------------|-----------|-----------|-------|
|            |            |            |                 |            | RB Size          | RB Offset |           |       |
|            |            |            |                 |            | 36               | 18        | 25.13     |       |
|            |            |            |                 |            | 36               | 35        | 25.87     |       |
|            |            |            |                 |            | 75               | 0         | 25.38     |       |
|            |            |            |                 | 16-QAM     | 1                | 0         | 25.84     |       |
|            |            |            |                 |            | 1                | 37        | 25.43     |       |
|            |            |            |                 |            | 1                | 74        | 26.19     |       |
|            |            |            |                 |            | 36               | 0         | 25.46     |       |
|            |            |            |                 |            | 36               | 18        | 25.32     |       |
|            |            |            |                 |            | 36               | 35        | 25.34     |       |
|            |            |            |                 |            | 75               | 0         | 25.82     |       |
|            |            |            |                 |            | QPSK             | 1         | 0         | 25.03 |
|            |            |            |                 |            |                  | 1         | 24        | 25.08 |
|            | 1          | 49         | 25.51           |            |                  |           |           |       |
|            | 25         | 0          | 25.03           |            |                  |           |           |       |
|            | 25         | 12         | 25.12           |            |                  |           |           |       |
|            | 25         | 24         | 25.65           |            |                  |           |           |       |
|            | 16-QAM     | 50         | 0               | 24.85      |                  |           |           |       |
|            |            | 1          | 0               | 25.64      |                  |           |           |       |
|            |            | 1          | 24              | 25.01      |                  |           |           |       |
|            |            | 1          | 49              | 25.81      |                  |           |           |       |
|            |            | 25         | 0               | 25.34      |                  |           |           |       |
|            |            | 25         | 12              | 25.54      |                  |           |           |       |
|            |            | 25         | 24              | 24.87      |                  |           |           |       |
|            | 10MHz      | L<br>20000 | 1715            | QPSK       | 1                | 0         | 25.06     |       |
| 1          |            |            |                 |            | 24               | 25.05     |           |       |
| 1          |            |            |                 |            | 49               | 25.66     |           |       |
| 25         |            |            |                 |            | 0                | 25.54     |           |       |
| 25         |            |            |                 |            | 12               | 25.34     |           |       |
| 25         |            |            |                 |            | 24               | 25.64     |           |       |
| M<br>20175 |            | 1732.5     | QPSK            | 50         | 0                | 24.32     |           |       |
|            |            |            |                 | 16-QAM     | 1                | 0         | 25.05     |       |
|            |            |            |                 |            | 1                | 24        | 25.03     |       |
|            |            |            |                 |            | 1                | 49        | 25.44     |       |
|            |            |            |                 | 25         | 0                | 24.43     |           |       |
|            |            |            |                 | 25         | 12               | 24.64     |           |       |
| 25         | 24         | 25.75      |                 |            |                  |           |           |       |



| Band   | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |
|--------|------------|------------|-----------------|------------|------------------|-----------|-----------|
|        |            |            |                 |            | RB Size          | RB Offset |           |
|        |            | H<br>20350 | 1750            | QPSK       | 50               | 0         | 24.03     |
|        |            |            |                 |            | 1                | 0         | 24.84     |
|        |            |            |                 |            | 1                | 24        | 24.67     |
|        |            |            |                 |            | 1                | 49        | 25.96     |
|        |            |            |                 |            | 25               | 0         | 25.34     |
|        |            |            |                 |            | 25               | 12        | 25.78     |
|        |            |            |                 |            | 25               | 24        | 25.54     |
|        |            |            |                 | 50         | 0                | 24.05     |           |
|        |            |            |                 | 16-QAM     | 1                | 0         | 24.88     |
|        |            |            |                 |            | 1                | 24        | 25.65     |
|        |            |            |                 |            | 1                | 49        | 25.21     |
|        |            |            |                 |            | 25               | 0         | 25.34     |
|        |            |            |                 |            | 25               | 12        | 24.85     |
|        |            |            |                 |            | 25               | 24        | 25.43     |
|        |            |            |                 | 5MHz       | L<br>19975       | 1712.5    | QPSK      |
|        | 1          | 12         | 24.53           |            |                  |           |           |
|        | 1          | 24         | 24.54           |            |                  |           |           |
|        | 12         | 0          | 24.87           |            |                  |           |           |
|        | 12         | 6          | 25.64           |            |                  |           |           |
|        | 12         | 11         | 25.42           |            |                  |           |           |
|        | 16-QAM     | 25         | 0               |            |                  |           | 25.51     |
|        |            | 1          | 0               |            |                  |           | 25.33     |
|        |            | 1          | 12              |            |                  |           | 26.64     |
|        |            | 1          | 24              |            |                  |           | 26.04     |
|        |            | 12         | 0               |            |                  |           | 25.74     |
|        |            | 12         | 6               |            |                  |           | 25.53     |
|        | M<br>20175 | 1732.5     | QPSK            | 12         | 11               | 25.24     |           |
|        |            |            |                 | 25         | 0                | 24.33     |           |
|        |            |            |                 | 1          | 0                | 25.65     |           |
|        |            |            |                 | 1          | 12               | 25.23     |           |
|        |            |            |                 | 1          | 24               | 25.44     |           |
|        |            |            |                 | 12         | 0                | 25.43     |           |
|        |            |            |                 | 12         | 6                | 25.68     |           |
| 16-QAM | 12         | 11         | 25.43           |            |                  |           |           |
|        |            |            |                 | 25         | 0                | 25.25     |           |
|        |            |            |                 | 1          | 0                | 25.38     |           |



| Band       | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |
|------------|------------|------------|-----------------|------------|------------------|-----------|-----------|
|            |            |            |                 |            | RB Size          | RB Offset |           |
|            | 3MHz       | H<br>20375 | 1752.5          |            | 1                | 12        | 25.18     |
|            |            |            |                 |            | 1                | 24        | 25.94     |
|            |            |            |                 |            | 12               | 0         | 25.89     |
|            |            |            |                 |            | 12               | 6         | 24.43     |
|            |            |            |                 |            | 12               | 11        | 25.43     |
|            |            |            |                 |            | 25               | 0         | 24.88     |
|            |            |            |                 | QPSK       | 1                | 0         | 25.09     |
|            |            |            |                 |            | 1                | 12        | 25.37     |
|            |            |            |                 |            | 1                | 24        | 25.27     |
|            |            |            |                 |            | 12               | 0         | 24.87     |
|            |            |            |                 |            | 12               | 6         | 24.67     |
|            |            |            |                 |            | 12               | 11        | 25.23     |
|            |            | 16-QAM     | 25              | 0          | 25.07            |           |           |
|            |            |            | 1               | 0          | 25.61            |           |           |
|            |            |            | 1               | 12         | 25.74            |           |           |
|            |            |            | 1               | 24         | 25.83            |           |           |
|            |            |            | 12              | 0          | 25.34            |           |           |
|            |            |            | 12              | 6          | 25.36            |           |           |
|            |            | L<br>19965 | 1711.5          | QPSK       | 12               | 11        | 25.57     |
|            |            |            |                 |            | 25               | 0         | 24.46     |
|            |            |            |                 |            | 1                | 0         | 25.69     |
|            |            |            |                 |            | 1                | 7         | 25.34     |
|            |            |            |                 |            | 1                | 14        | 25.84     |
|            |            |            |                 |            | 8                | 0         | 25.65     |
|            |            |            |                 | 16-QAM     | 8                | 4         | 25.85     |
|            |            |            |                 |            | 8                | 7         | 25.45     |
|            |            |            |                 |            | 15               | 0         | 25.35     |
|            |            |            |                 |            | 1                | 0         | 25.39     |
|            |            |            |                 |            | 1                | 7         | 25.65     |
|            |            |            |                 |            | 1                | 14        | 25.95     |
| M<br>20175 | 1732.5     | QPSK       | 8               | 0          | 25.54            |           |           |
|            |            |            | 8               | 4          | 25.45            |           |           |
|            |            |            | 8               | 7          | 25.56            |           |           |
|            |            |            | 15              | 0          | 24.63            |           |           |
|            |            |            | 1               | 0          | 25.81            |           |           |
|            |            |            | 1               | 7          | 25.05            |           |           |
|            |            |            |                 |            | 1                | 14        | 25.34     |



Report No.: SZ14030141W03

| Band       | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |       |
|------------|------------|------------|-----------------|------------|------------------|-----------|-----------|-------|
|            |            |            |                 |            | RB Size          | RB Offset |           |       |
|            |            |            |                 |            | 8                | 0         | 25.54     |       |
|            |            |            |                 |            | 8                | 4         | 25.76     |       |
|            |            |            |                 |            | 8                | 7         | 25.54     |       |
|            |            |            |                 |            | 15               | 0         | 24.88     |       |
|            |            |            |                 | 16-QAM     | 1                | 0         | 25.06     |       |
|            |            |            |                 |            | 1                | 7         | 25.43     |       |
|            |            |            |                 |            | 1                | 14        | 25.21     |       |
|            |            |            |                 |            | 8                | 0         | 25.23     |       |
|            |            |            |                 |            | 8                | 4         | 25.76     |       |
|            |            |            |                 |            | 8                | 7         | 25.65     |       |
|            |            |            |                 | QPSK       | 15               | 0         | 24.35     |       |
|            |            |            |                 |            | 1                | 0         | 24.66     |       |
|            |            |            |                 |            | 1                | 7         | 25.78     |       |
|            |            |            |                 |            | 1                | 14        | 25.64     |       |
|            | 8          | 0          | 25.43           |            |                  |           |           |       |
|            | 8          | 4          | 25.56           |            |                  |           |           |       |
|            | 8          | 7          | 25.74           |            |                  |           |           |       |
|            | 16-QAM     | 15         | 0               | 25.09      |                  |           |           |       |
|            |            | 1          | 0               | 25.81      |                  |           |           |       |
|            |            | 1          | 7               | 25.65      |                  |           |           |       |
|            |            | 1          | 14              | 24.45      |                  |           |           |       |
|            |            | 8          | 0               | 25.89      |                  |           |           |       |
|            |            | 8          | 4               | 25.21      |                  |           |           |       |
|            |            | 8          | 7               | 25.78      |                  |           |           |       |
|            | 1.4MHz     | H<br>20385 | 1753.5          |            | QPSK             | 15        | 0         | 24.66 |
|            |            |            |                 |            |                  | 1         | 0         | 25.26 |
|            |            |            |                 |            |                  | 1         | 2         | 25.58 |
|            |            |            |                 |            |                  | 1         | 5         | 25.51 |
| 3          |            |            |                 |            |                  | 0         | 25.92     |       |
| 3          |            |            |                 |            |                  | 1         | 25.62     |       |
| 3          |            |            |                 |            |                  | 2         | 25.34     |       |
| L<br>19957 |            | 1710.7     |                 | QPSK       | 6                | 0         | 24.39     |       |
|            |            |            |                 |            | 1                | 0         | 25.22     |       |
|            |            |            |                 |            | 1                | 2         | 24.34     |       |
|            |            |            |                 |            | 1                | 5         | 25.13     |       |
|            |            |            |                 |            | 3                | 0         | 25.74     |       |
|            |            |            |                 |            | 3                | 1         | 25.83     |       |



Report No.: SZ14030141W03

| Band | Band Width | Channel    | Frequency (MHz) | Modulation | RB Configuration |           | ERP (dBm) |
|------|------------|------------|-----------------|------------|------------------|-----------|-----------|
|      |            |            |                 |            | RB Size          | RB Offset |           |
|      |            |            |                 |            | 3                | 2         | 25.76     |
|      |            |            |                 |            | 6                | 0         | 24.55     |
|      |            | M<br>20175 | 1732.5          | QPSK       | 1                | 0         | 26.88     |
|      |            |            |                 |            | 1                | 2         | 27.98     |
|      |            |            |                 |            | 1                | 5         | 25.22     |
|      |            |            |                 |            | 3                | 0         | 24.34     |
|      |            |            |                 |            | 3                | 1         | 25.13     |
|      |            |            |                 |            | 3                | 2         | 25.74     |
|      |            |            |                 |            | 6                | 0         | 25.22     |
|      |            |            |                 |            | 16-QAM           | 1         | 0         |
|      |            | 1          | 2               | 25.13      |                  |           |           |
|      |            | 1          | 5               | 25.74      |                  |           |           |
|      |            | 3          | 0               | 25.83      |                  |           |           |
|      |            | 3          | 2               | 25.22      |                  |           |           |
|      |            | 3          | 5               | 24.34      |                  |           |           |
|      |            | H<br>20393 | 1754.5          | QPSK       | 6                | 0         | 25.51     |
|      |            |            |                 |            | 1                | 0         | 25.65     |
|      |            |            |                 |            | 1                | 2         | 24.45     |
|      |            |            |                 |            | 1                | 5         | 25.89     |
|      |            |            |                 |            | 3                | 0         | 25.21     |
|      |            |            |                 |            | 3                | 1         | 25.78     |
|      |            |            |                 |            | 3                | 2         | 24.66     |
|      |            |            |                 | 16-QAM     | 6                | 0         | 25.26     |
|      |            |            |                 |            | 1                | 0         | 25.65     |
|      |            |            |                 |            | 1                | 2         | 24.45     |
|      |            |            |                 |            | 1                | 5         | 25.93     |
|      |            |            |                 |            | 3                | 0         | 25.38     |
|      |            |            |                 |            | 3                | 1         | 25.73     |
| 3    | 2          |            |                 |            | 25.98            |           |           |
| 6    | 0          | 24.85      |                 |            |                  |           |           |



## 2.8 Radiated Spurious Emissions

### 2.8.1 Requirement

According to FCC section 2.1053 and section 27.53(g), 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.

### 2.8.2 Test Description

See section 2.7.2 of this report.

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

### 2.8.3 Test Result

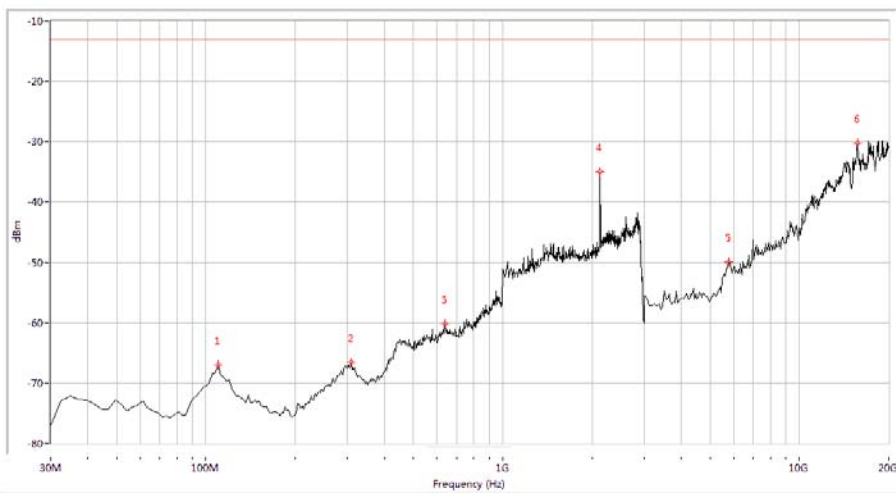
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Test Plots for the Whole Measurement Frequency Range:

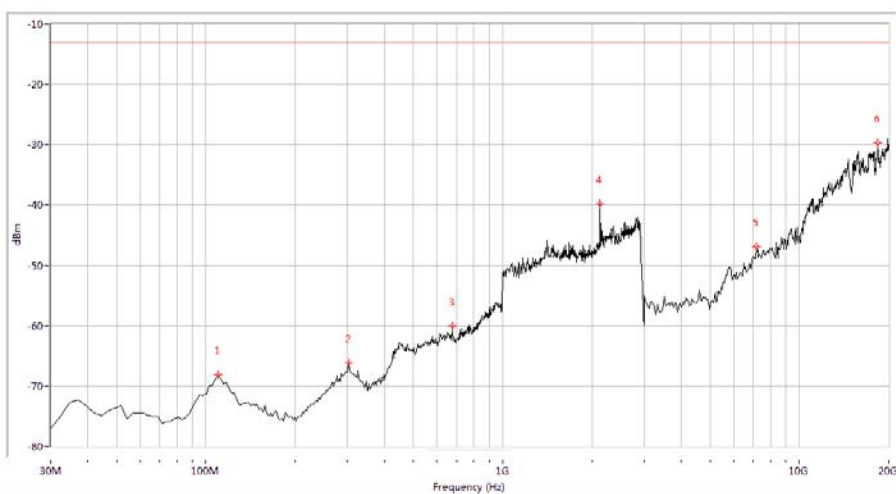
Note1: the power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

LTE Band 4 1.4MHz BW, Mid Channel, QPSK

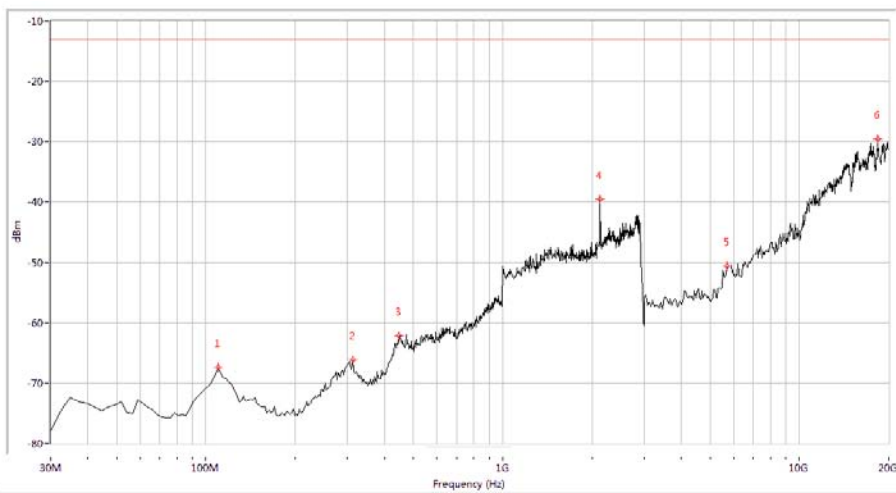


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.02 | -13.0     | 54.0   | 63.8   | Horizontal | <u>PASS</u> |
| 308.180    | -66.61 | -13.0     | 53.6   | 46.7   | Horizontal | <u>PASS</u> |
| 639.576    | -60.20 | -13.0     | 47.2   | 360.0  | Horizontal | <u>PASS</u> |
| 2132.170   | -34.91 | -13.0     | 21.9   | 232.9  | Horizontal | <u>PASS</u> |
| 5798.005   | -49.90 | -13.0     | 36.9   | 93.5   | Horizontal | <u>PASS</u> |
| 15718.204  | -30.21 | -13.0     | 17.2   | -0.0   | Horizontal | <u>PASS</u> |

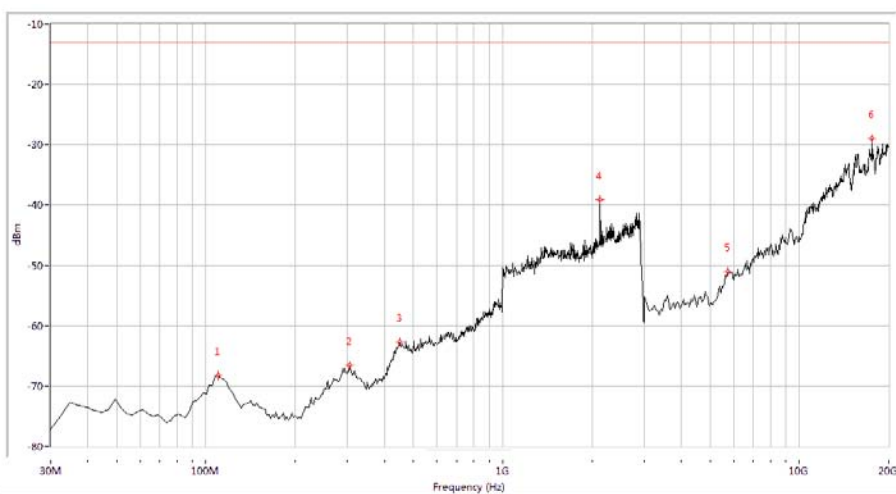


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -68.09 | -13.0     | 55.1   | 132.2  | Vertical | <u>PASS</u> |
| 303.342    | -66.14 | -13.0     | 53.1   | 267.6  | Vertical | <u>PASS</u> |
| 675.860    | -60.04 | -13.0     | 47.0   | 51.8   | Vertical | <u>PASS</u> |
| 2132.170   | -39.82 | -13.0     | 26.8   | 306.2  | Vertical | <u>PASS</u> |
| 7154.613   | -46.93 | -13.0     | 33.9   | 98.4   | Vertical | <u>PASS</u> |
| 18389.027  | -29.69 | -13.0     | 16.7   | 275.9  | Vertical | <u>PASS</u> |

LTE Band 4 1.4MHz BW, Mid Channel, 16QAM

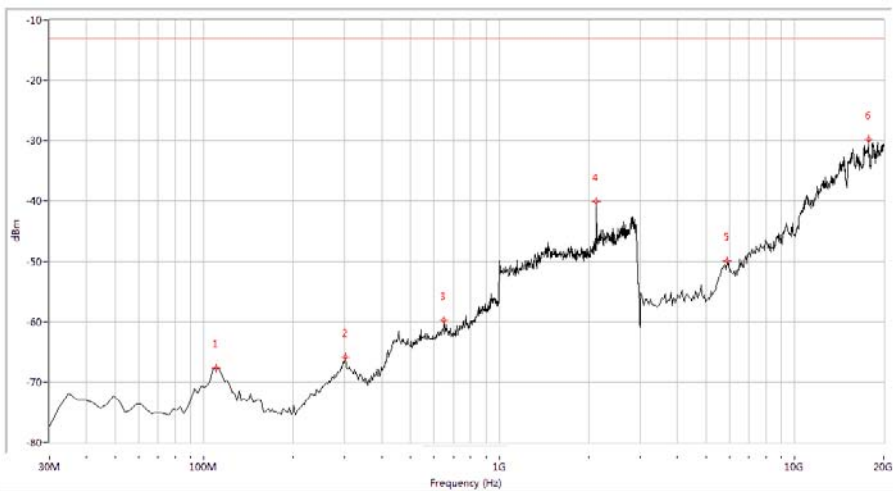


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.34 | -13.0     | 54.3   | 31.3   | Horizontal | <u>PASS</u> |
| 313.017    | -66.19 | -13.0     | 53.2   | 3.4    | Horizontal | <u>PASS</u> |
| 446.060    | -62.18 | -13.0     | 49.2   | 60.0   | Horizontal | <u>PASS</u> |
| 2132.170   | -39.52 | -13.0     | 26.5   | 266.6  | Horizontal | <u>PASS</u> |
| 5713.217   | -50.67 | -13.0     | 37.7   | 360.0  | Horizontal | <u>PASS</u> |
| 18389.027  | -29.57 | -13.0     | 16.6   | 39.1   | Horizontal | <u>PASS</u> |

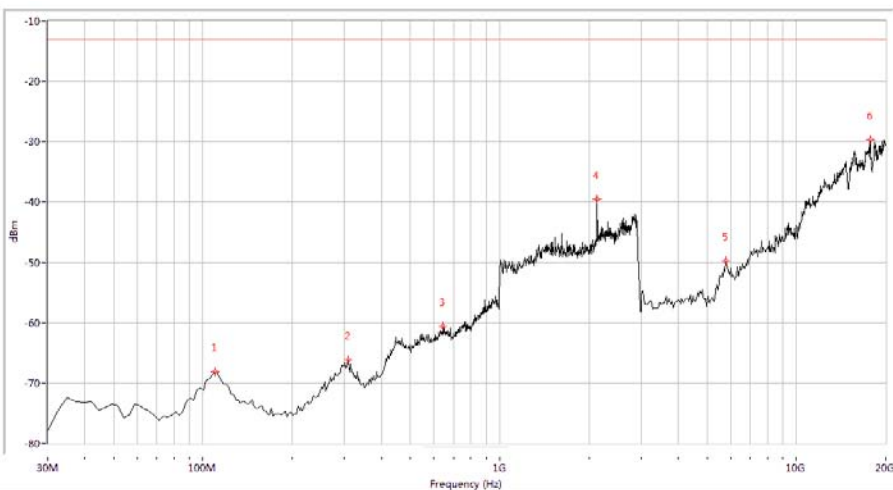


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -68.16 | -13.0     | 55.2   | 196.1  | Vertical | <u>PASS</u> |
| 305.761    | -66.55 | -13.0     | 53.6   | 18.3   | Vertical | <u>PASS</u> |
| 450.898    | -62.67 | -13.0     | 49.7   | 108.5  | Vertical | <u>PASS</u> |
| 2132.170   | -39.11 | -13.0     | 26.1   | 112.2  | Vertical | <u>PASS</u> |
| 5755.611   | -51.04 | -13.0     | 38.0   | 360.0  | Vertical | <u>PASS</u> |
| 17583.541  | -29.00 | -13.0     | 16.0   | 360.0  | Vertical | <u>PASS</u> |

LTE Band 4 3MHz BW, Mid Channel, QPSK

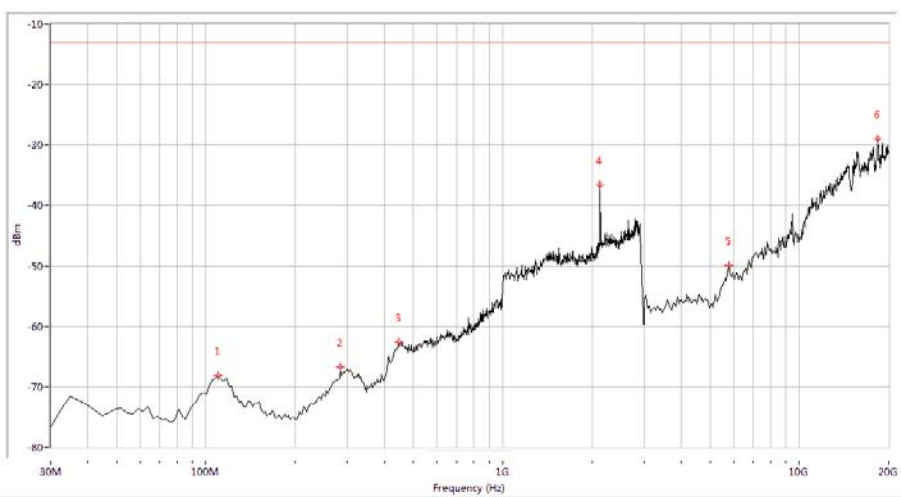


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.59 | -13.0     | 54.6   | 86.4   | Horizontal | <u>PASS</u> |
| 300.923    | -65.81 | -13.0     | 52.8   | 129.5  | Horizontal | <u>PASS</u> |
| 649.252    | -59.78 | -13.0     | 46.8   | 181.8  | Horizontal | <u>PASS</u> |
| 2132.170   | -40.08 | -13.0     | 27.1   | 0.1    | Horizontal | <u>PASS</u> |
| 5882.793   | -49.91 | -13.0     | 36.9   | 125.4  | Horizontal | <u>PASS</u> |
| 17795.511  | -29.89 | -13.0     | 16.9   | -0.0   | Horizontal | <u>PASS</u> |

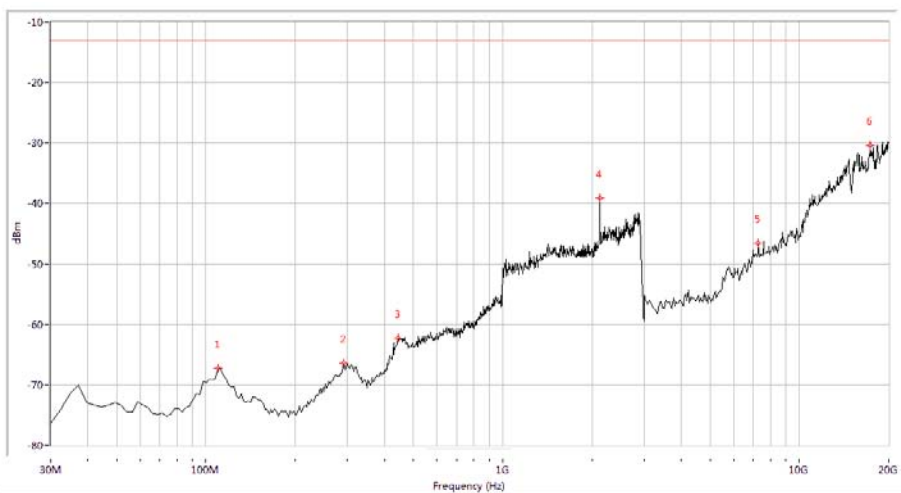


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -68.05 | -13.0     | 55.0   | 186.7  | Vertical | <u>PASS</u> |
| 308.180    | -66.13 | -13.0     | 53.1   | 80.7   | Vertical | <u>PASS</u> |
| 644.414    | -60.58 | -13.0     | 47.6   | 259.2  | Vertical | <u>PASS</u> |
| 2132.170   | -39.51 | -13.0     | 26.5   | 266.2  | Vertical | <u>PASS</u> |
| 5798.005   | -49.82 | -13.0     | 36.8   | -0.0   | Vertical | <u>PASS</u> |
| 17753.117  | -29.73 | -13.0     | 16.7   | 268.6  | Vertical | <u>PASS</u> |

LTE Band 4 3MHz BW, Mid Channel, 16QAM

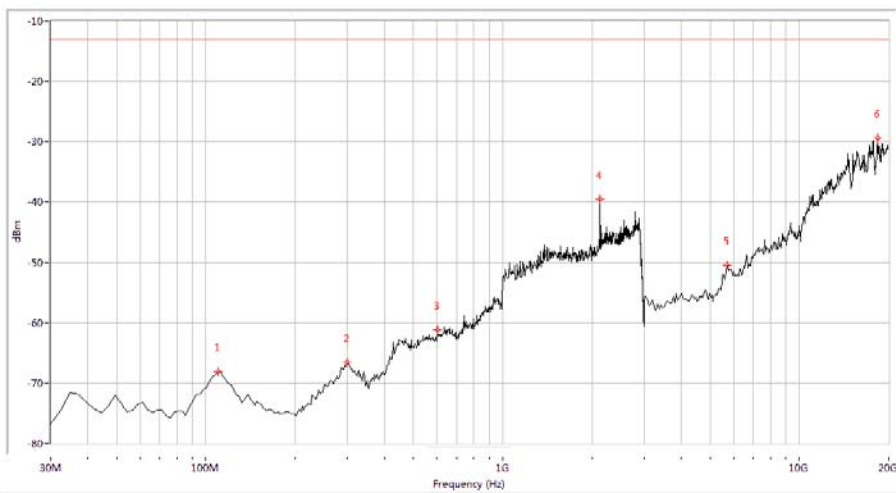


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -68.08 | -13.0     | 55.1   | 360.0  | Horizontal | <u>PASS</u> |
| 283.990    | -66.68 | -13.0     | 53.7   | 201.1  | Horizontal | <u>PASS</u> |
| 446.060    | -62.51 | -13.0     | 49.5   | -0.0   | Horizontal | <u>PASS</u> |
| 2132.170   | -36.61 | -13.0     | 23.6   | 171.2  | Horizontal | <u>PASS</u> |
| 5798.005   | -49.93 | -13.0     | 36.9   | 277.7  | Horizontal | <u>PASS</u> |
| 18431.421  | -29.00 | -13.0     | 16.0   | -0.0   | Horizontal | <u>PASS</u> |

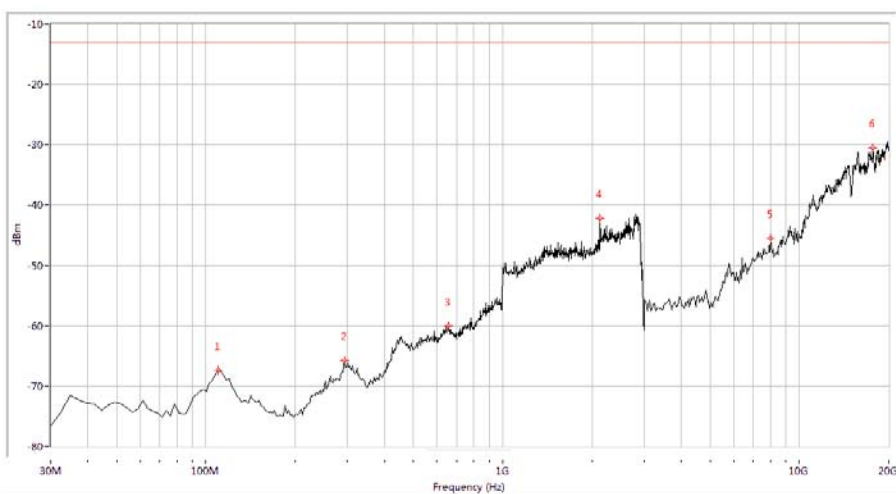


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -67.27 | -13.0     | 54.3   | 57.1   | Vertical | <u>PASS</u> |
| 291.247    | -66.47 | -13.0     | 53.5   | 307.1  | Vertical | <u>PASS</u> |
| 443.641    | -62.21 | -13.0     | 49.2   | 97.1   | Vertical | <u>PASS</u> |
| 2127.182   | -39.15 | -13.0     | 26.1   | 59.2   | Vertical | <u>PASS</u> |
| 7281.796   | -46.64 | -13.0     | 33.6   | 133.3  | Vertical | <u>PASS</u> |
| 17371.571  | -30.44 | -13.0     | 17.4   | 43.3   | Vertical | <u>PASS</u> |

LTE Band 4 5MHz BW, Mid Channel, QPSK

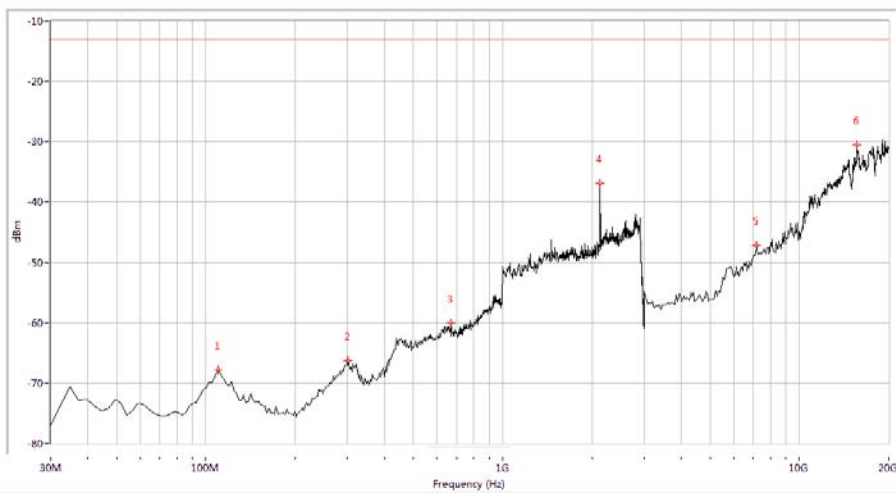


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -68.09 | -13.0     | 55.1   | 56.2   | Horizontal | <u>PASS</u> |
| 298.504    | -66.57 | -13.0     | 53.6   | 199.4  | Horizontal | <u>PASS</u> |
| 603.292    | -61.09 | -13.0     | 48.1   | 335.7  | Horizontal | <u>PASS</u> |
| 2132.170   | -39.55 | -13.0     | 26.5   | 263.5  | Horizontal | <u>PASS</u> |
| 5713.217   | -50.47 | -13.0     | 37.5   | 166.6  | Horizontal | <u>PASS</u> |
| 18389.027  | -29.45 | -13.0     | 16.4   | 74.8   | Horizontal | <u>PASS</u> |

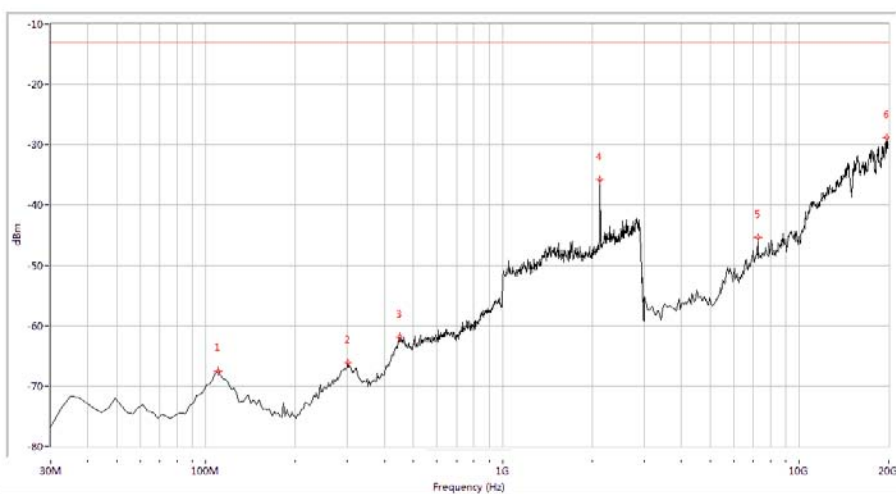


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -67.37 | -13.0     | 54.4   | 312.6  | Vertical | <u>PASS</u> |
| 293.666    | -65.75 | -13.0     | 52.7   | 21.3   | Vertical | <u>PASS</u> |
| 656.509    | -60.07 | -13.0     | 47.1   | 229.9  | Vertical | <u>PASS</u> |
| 2132.170   | -42.16 | -13.0     | 29.2   | 87.5   | Vertical | <u>PASS</u> |
| 8002.494   | -45.43 | -13.0     | 32.4   | 19.6   | Vertical | <u>PASS</u> |
| 17710.723  | -30.54 | -13.0     | 17.5   | -0.0   | Vertical | <u>PASS</u> |

LTE Band 4 5MHz BW, Mid Channel, 16QAM

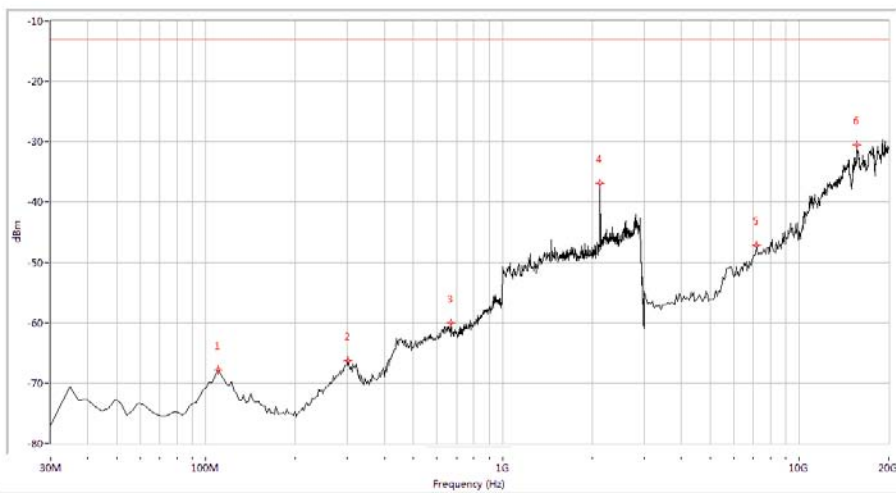


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.77 | -13.0     | 54.8   | 174.4  | Horizontal | <u>PASS</u> |
| 300.923    | -66.28 | -13.0     | 53.3   | 94.1   | Horizontal | <u>PASS</u> |
| 671.022    | -60.00 | -13.0     | 47.0   | 275.9  | Horizontal | <u>PASS</u> |
| 2127.182   | -36.90 | -13.0     | 23.9   | 354.1  | Horizontal | <u>PASS</u> |
| 7154.613   | -47.10 | -13.0     | 34.1   | 33.2   | Horizontal | <u>PASS</u> |
| 15675.810  | -30.54 | -13.0     | 17.5   | 81.1   | Horizontal | <u>PASS</u> |

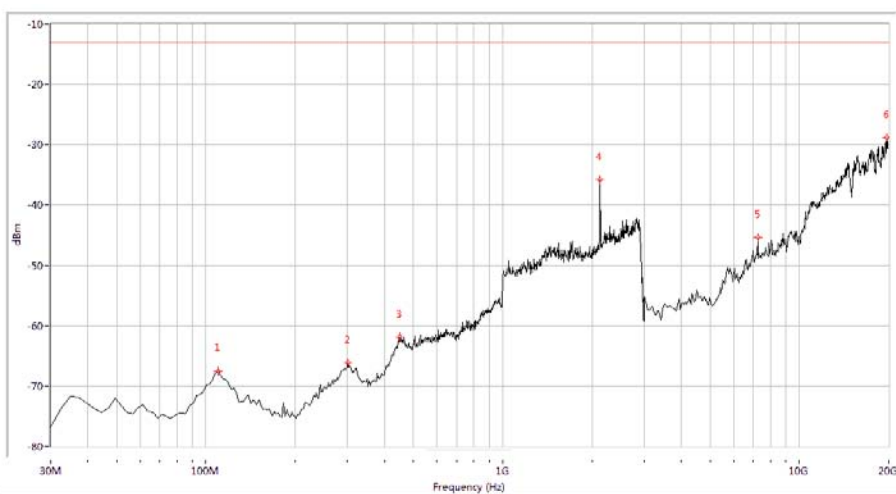


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -67.47 | -13.0     | 54.5   | 346.6  | Vertical | <u>PASS</u> |
| 300.923    | -66.13 | -13.0     | 53.1   | 262.6  | Vertical | <u>PASS</u> |
| 450.898    | -61.87 | -13.0     | 48.9   | 343.2  | Vertical | <u>PASS</u> |
| 2132.170   | -35.73 | -13.0     | 22.7   | 360.0  | Vertical | <u>PASS</u> |
| 7239.401   | -45.38 | -13.0     | 32.4   | 131.4  | Vertical | <u>PASS</u> |
| 19788.030  | -28.85 | -13.0     | 15.8   | 131.4  | Vertical | <u>PASS</u> |

LTE Band 4 10MHz BW, Mid Channel, QPSK



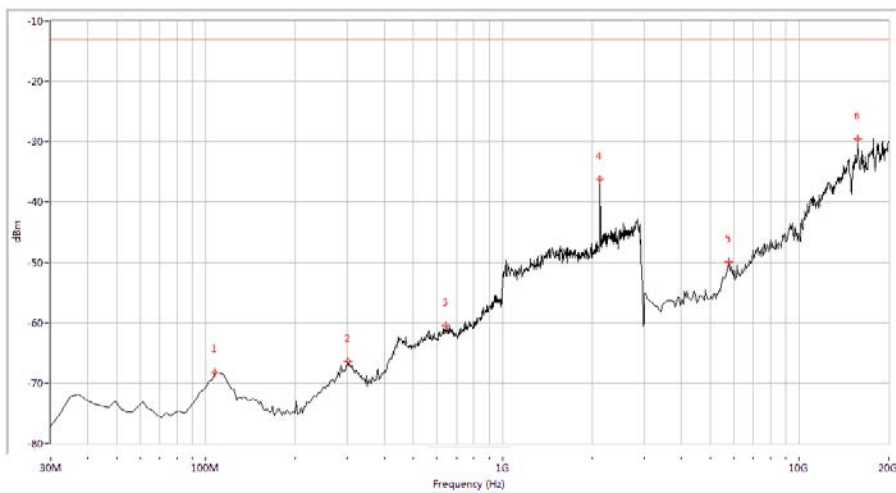
| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.77 | -13.0     | 54.8   | 15.7   | Horizontal | <u>PASS</u> |
| 300.923    | -66.28 | -13.0     | 53.3   | 320.1  | Horizontal | <u>PASS</u> |
| 671.022    | -60.00 | -13.0     | 47.0   | 310.9  | Horizontal | <u>PASS</u> |
| 2127.182   | -36.90 | -13.0     | 23.9   | 4.1    | Horizontal | <u>PASS</u> |
| 7154.613   | -47.10 | -13.0     | 34.1   | 30.3   | Horizontal | <u>PASS</u> |
| 15675.810  | -30.54 | -13.0     | 17.5   | 1.9    | Horizontal | <u>PASS</u> |



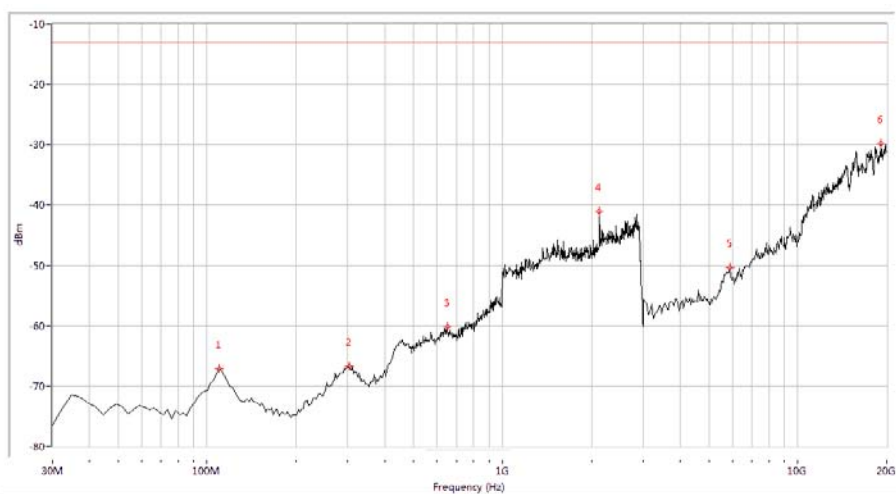
| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -67.47 | -13.0     | 54.5   | 17.1   | Vertical | <u>PASS</u> |
| 300.923    | -66.13 | -13.0     | 53.1   | 218.3  | Vertical | <u>PASS</u> |
| 450.898    | -61.87 | -13.0     | 48.9   | 130.8  | Vertical | <u>PASS</u> |
| 2132.170   | -35.73 | -13.0     | 22.7   | 326.0  | Vertical | <u>PASS</u> |
| 7239.401   | -45.38 | -13.0     | 32.4   | 312.1  | Vertical | <u>PASS</u> |
| 19788.030  | -28.85 | -13.0     | 15.8   | 35.8   | Vertical | <u>PASS</u> |



LTE Band 4 10MHz BW, Mid Channel, 16QAM

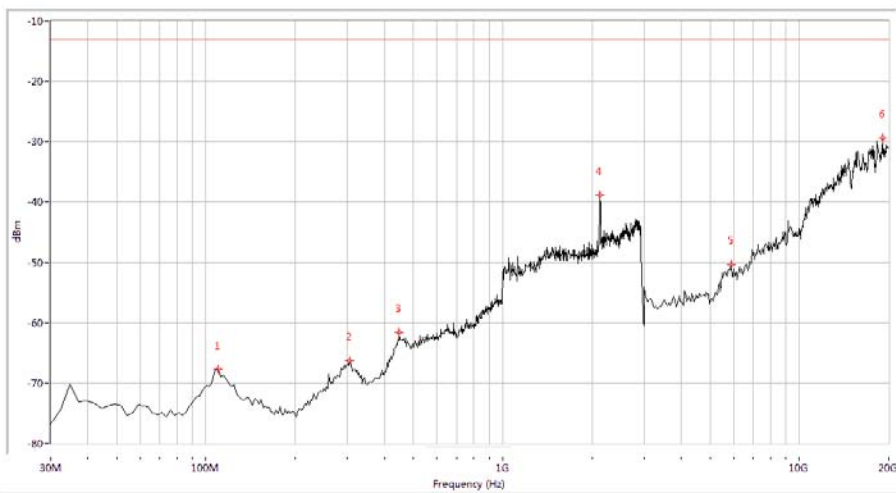


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 107.406    | -68.18 | -13.0     | 55.2   | 105.7  | Horizontal | <u>PASS</u> |
| 300.923    | -66.44 | -13.0     | 53.4   | 350.1  | Horizontal | <u>PASS</u> |
| 644.414    | -60.49 | -13.0     | 47.5   | 330.9  | Horizontal | <u>PASS</u> |
| 2132.170   | -36.14 | -13.0     | 23.1   | 47.1   | Horizontal | <u>PASS</u> |
| 5798.005   | -49.98 | -13.0     | 37.0   | 330.3  | Horizontal | <u>PASS</u> |
| 15760.599  | -29.49 | -13.0     | 16.5   | 91.9   | Horizontal | <u>PASS</u> |

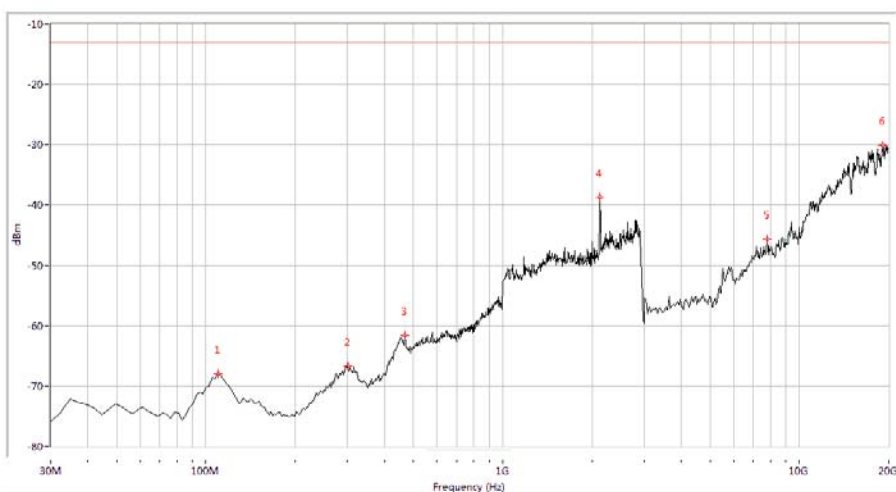


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -67.04 | -13.0     | 54.0   | 197.1  | Vertical | <u>PASS</u> |
| 303.342    | -66.70 | -13.0     | 53.7   | 208.3  | Vertical | <u>PASS</u> |
| 651.671    | -60.19 | -13.0     | 47.2   | 230.8  | Vertical | <u>PASS</u> |
| 2132.170   | -41.06 | -13.0     | 28.1   | 316.0  | Vertical | <u>PASS</u> |
| 5882.793   | -50.40 | -13.0     | 37.4   | 32.1   | Vertical | <u>PASS</u> |
| 19109.726  | -29.83 | -13.0     | 16.8   | 135.8  | Vertical | <u>PASS</u> |

LTE Band 4 15MHz BW, Mid Channel, QPSK

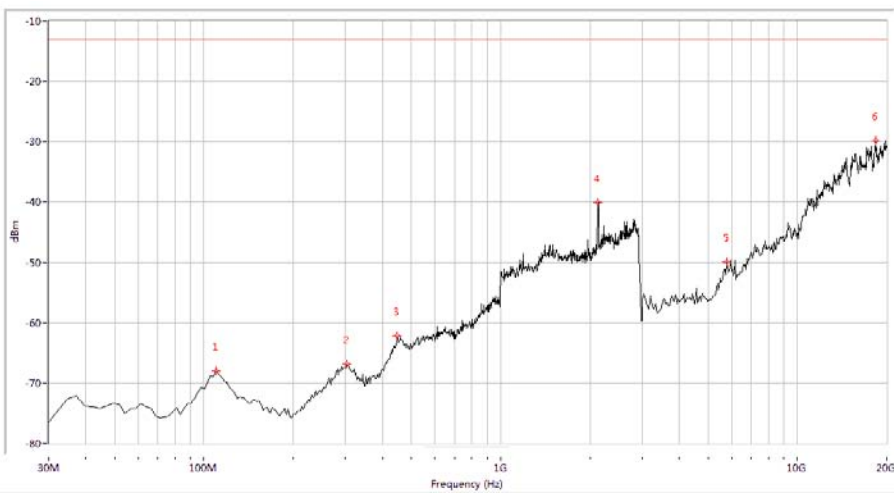


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.71 | -13.0     | 54.7   | 210.7  | Horizontal | <u>PASS</u> |
| 305.761    | -66.34 | -13.0     | 53.3   | -0.0   | Horizontal | <u>PASS</u> |
| 448.479    | -61.63 | -13.0     | 48.6   | 253.4  | Horizontal | <u>PASS</u> |
| 2132.170   | -38.89 | -13.0     | 25.9   | 350.1  | Horizontal | <u>PASS</u> |
| 5882.793   | -50.36 | -13.0     | 37.4   | 142.3  | Horizontal | <u>PASS</u> |
| 19109.726  | -29.46 | -13.0     | 16.5   | 142.3  | Horizontal | <u>PASS</u> |

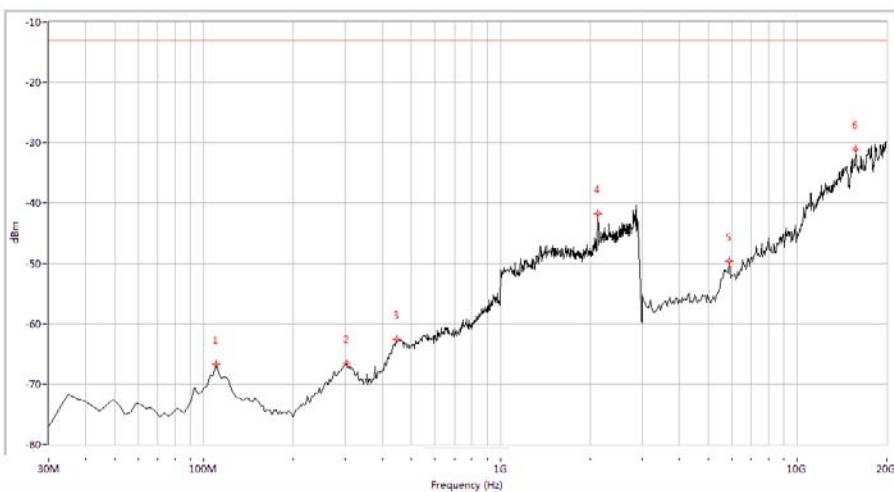


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -67.87 | -13.0     | 54.9   | 152.2  | Vertical | <u>PASS</u> |
| 300.923    | -66.65 | -13.0     | 53.6   | 274.5  | Vertical | <u>PASS</u> |
| 467.830    | -61.55 | -13.0     | 48.6   | 97.6   | Vertical | <u>PASS</u> |
| 2132.170   | -38.71 | -13.0     | 25.7   | 21.0   | Vertical | <u>PASS</u> |
| 7790.524   | -45.63 | -13.0     | 32.6   | 130.3  | Vertical | <u>PASS</u> |
| 19067.332  | -30.08 | -13.0     | 17.1   | 360.0  | Vertical | <u>PASS</u> |

LTE Band 4 15MHz BW, Mid Channel, 16QAM

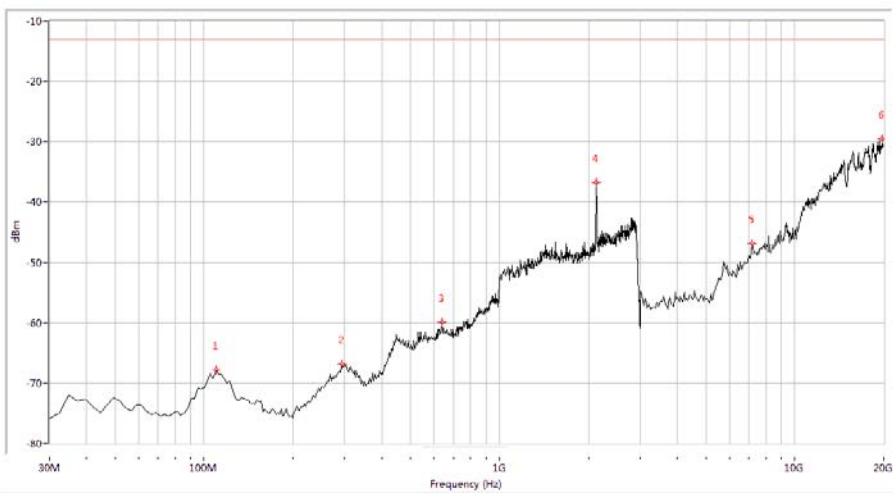


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.94 | -13.0     | 54.9   | 158.7  | Horizontal | <u>PASS</u> |
| 303.342    | -66.83 | -13.0     | 53.8   | 47.2   | Horizontal | <u>PASS</u> |
| 448.479    | -62.10 | -13.0     | 49.1   | 0.4    | Horizontal | <u>PASS</u> |
| 2127.182   | -40.01 | -13.0     | 27.0   | 250.6  | Horizontal | <u>PASS</u> |
| 5798.005   | -49.91 | -13.0     | 36.9   | 260.6  | Horizontal | <u>PASS</u> |
| 18389.027  | -29.80 | -13.0     | 16.8   | 105.6  | Horizontal | <u>PASS</u> |

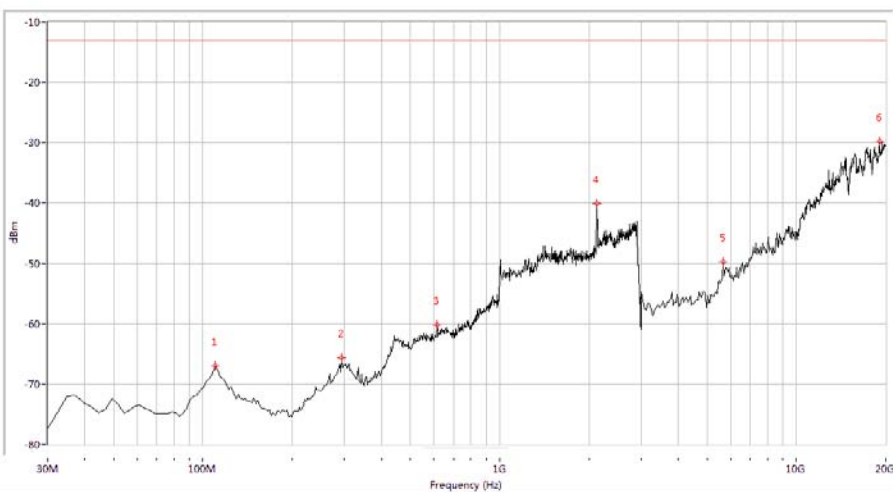


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -66.69 | -13.0     | 53.7   | 82.4   | Vertical | <u>PASS</u> |
| 303.342    | -66.59 | -13.0     | 53.6   | 173.9  | Vertical | <u>PASS</u> |
| 448.479    | -62.57 | -13.0     | 49.6   | 232.0  | Vertical | <u>PASS</u> |
| 2132.170   | -41.77 | -13.0     | 28.8   | 333.2  | Vertical | <u>PASS</u> |
| 5882.793   | -49.61 | -13.0     | 36.6   | 16.2   | Vertical | <u>PASS</u> |
| 15760.599  | -31.13 | -13.0     | 18.1   | 172.9  | Vertical | <u>PASS</u> |

LTE Band 4 20MHz BW, Mid Channel, QPSK

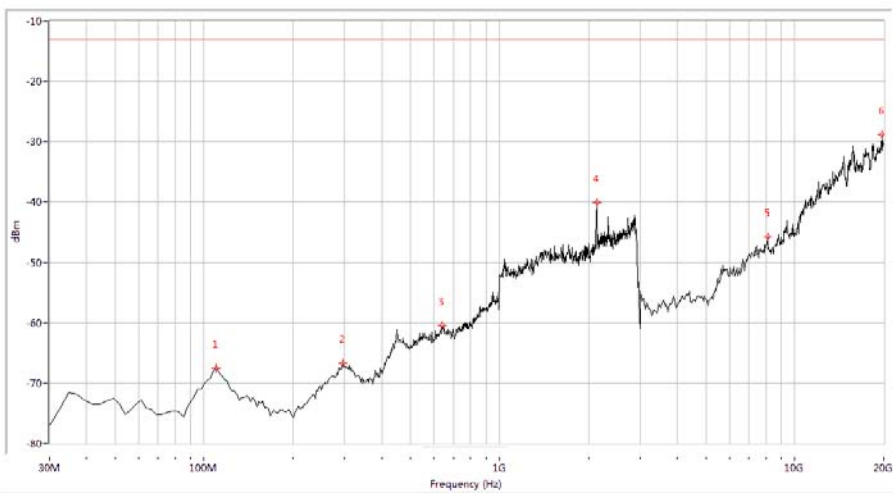


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.81 | -13.0     | 54.8   | 78.0   | Horizontal | <u>PASS</u> |
| 293.666    | -66.83 | -13.0     | 53.8   | 245.0  | Horizontal | <u>PASS</u> |
| 639.576    | -59.83 | -13.0     | 46.8   | 0.3    | Horizontal | <u>PASS</u> |
| 2132.170   | -36.80 | -13.0     | 23.8   | -0.0   | Horizontal | <u>PASS</u> |
| 7154.613   | -46.87 | -13.0     | 33.9   | 276.6  | Horizontal | <u>PASS</u> |
| 19745.636  | -29.52 | -13.0     | 16.5   | 130.0  | Horizontal | <u>PASS</u> |

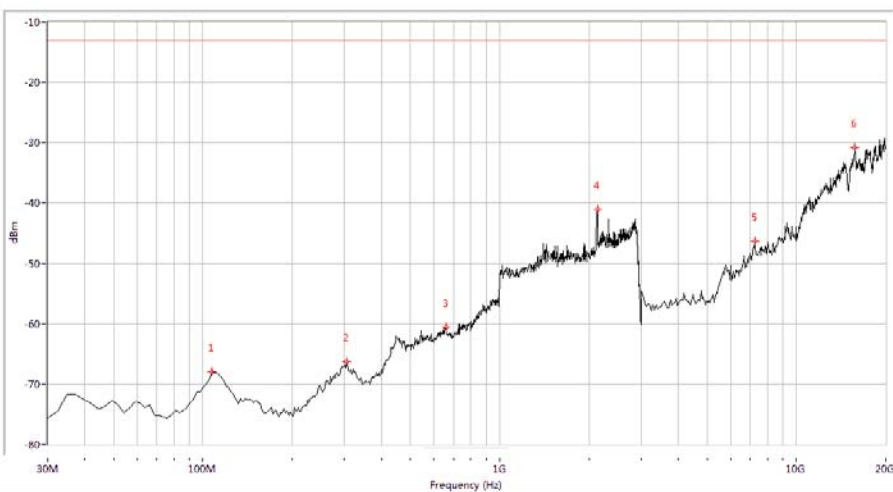


| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 109.825    | -66.97 | -13.0     | 54.0   | 269.2  | Vertical | <u>PASS</u> |
| 293.666    | -65.62 | -13.0     | 52.6   | 248.0  | Vertical | <u>PASS</u> |
| 615.387    | -60.24 | -13.0     | 47.2   | 131.7  | Vertical | <u>PASS</u> |
| 2132.170   | -40.09 | -13.0     | 27.1   | 4.9    | Vertical | <u>PASS</u> |
| 5670.823   | -49.80 | -13.0     | 36.8   | 196.2  | Vertical | <u>PASS</u> |
| 19109.726  | -29.84 | -13.0     | 16.8   | 116.2  | Vertical | <u>PASS</u> |

LTE Band 4 20MHz BW, Mid Channel, 16QAM



| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna    | Verdict     |
|------------|--------|-----------|--------|--------|------------|-------------|
| 109.825    | -67.53 | -13.0     | 54.5   | 60.3   | Horizontal | <u>PASS</u> |
| 296.085    | -66.75 | -13.0     | 53.7   | 27.9   | Horizontal | <u>PASS</u> |
| 639.576    | -60.42 | -13.0     | 47.4   | -0.0   | Horizontal | <u>PASS</u> |
| 2137.157   | -40.03 | -13.0     | 27.0   | 145.7  | Horizontal | <u>PASS</u> |
| 8087.282   | -45.70 | -13.0     | 32.7   | 9.1    | Horizontal | <u>PASS</u> |
| 19788.030  | -28.84 | -13.0     | 15.8   | 60.0   | Horizontal | <u>PASS</u> |



| Fre. (MHz) | Peak   | Limit(PK) | Margin | Degree | Antenna  | Verdict     |
|------------|--------|-----------|--------|--------|----------|-------------|
| 107.406    | -67.91 | -13.0     | 54.9   | 1.9    | Vertical | <u>PASS</u> |
| 305.761    | -66.27 | -13.0     | 53.3   | 47.6   | Vertical | <u>PASS</u> |
| 658.928    | -60.58 | -13.0     | 47.6   | 108.8  | Vertical | <u>PASS</u> |
| 2137.157   | -41.05 | -13.0     | 28.0   | 291.8  | Vertical | <u>PASS</u> |
| 7239.401   | -46.28 | -13.0     | 33.3   | 301.2  | Vertical | <u>PASS</u> |
| 15760.599  | -30.84 | -13.0     | 17.8   | 244.7  | Vertical | <u>PASS</u> |

\*\* END OF REPORT \*\*