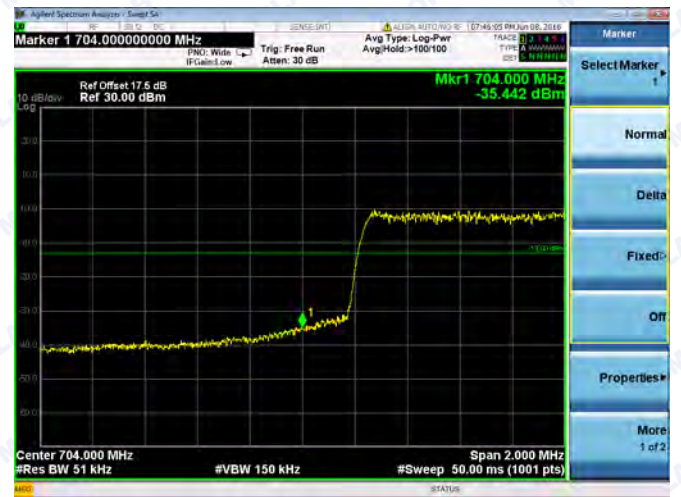
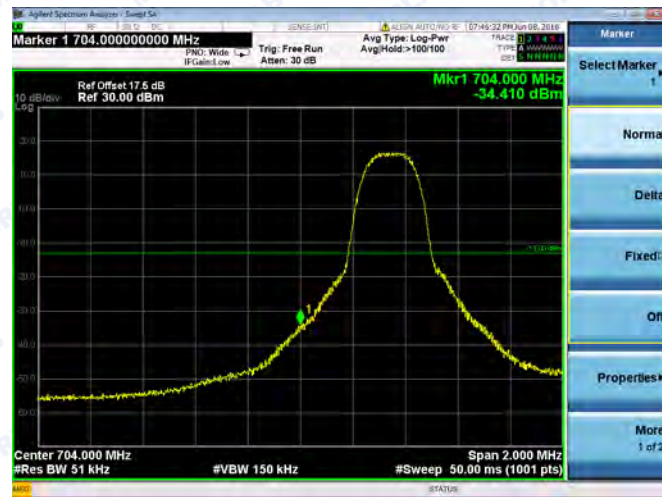




## LTE Band 17

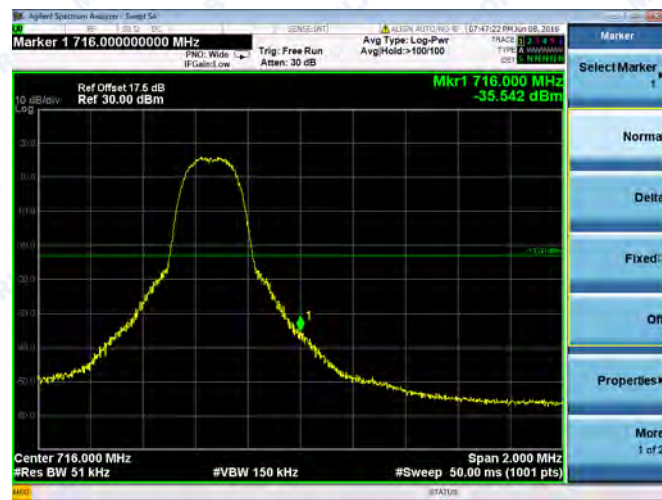
Channel Bandwidth: 5MHz

| Channel | 23755 | RB Size 1 | RB Offset 0 | Channel | 23755 | RB Size 25 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 5MHz

| Channel | 23825 | RB Size 1 | RB Offset 24 | Channel | 23825 | RB Size 25 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
|---------|-------|-----------|--------------|---------|-------|------------|-------------|

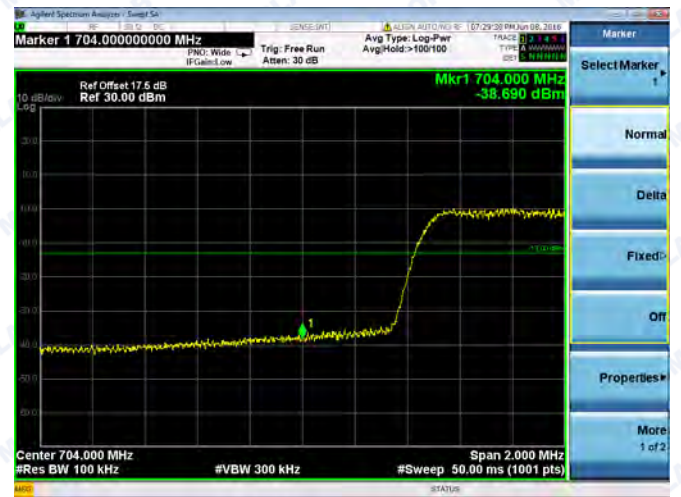
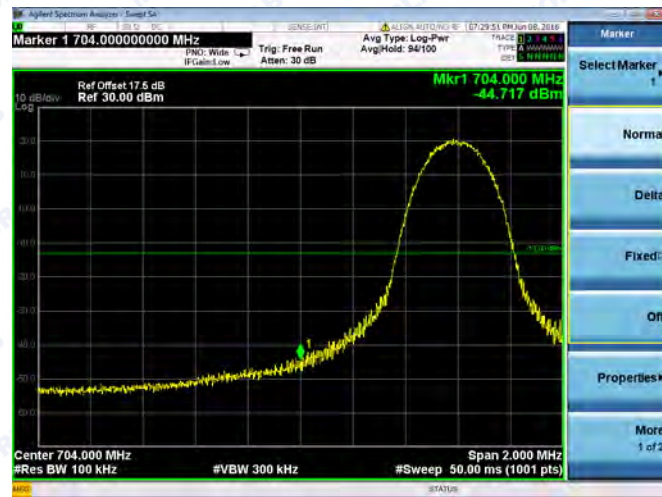




## LTE Band 17

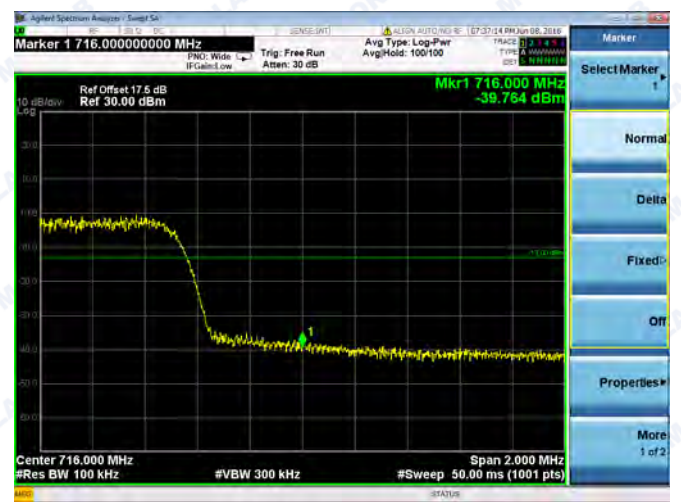
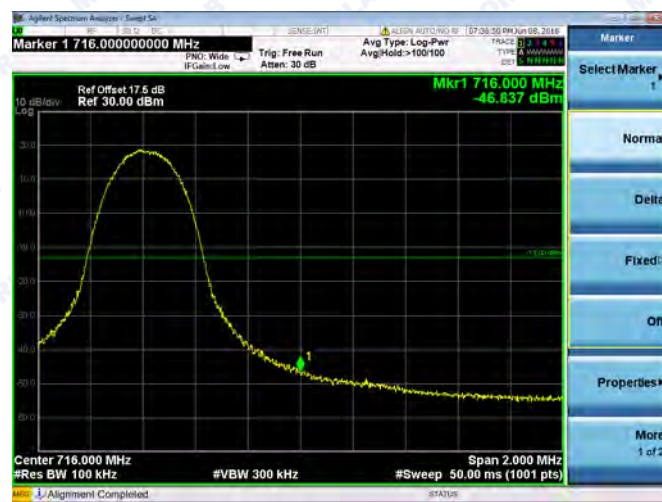
Channel Bandwidth: 10MHz

| Channel | 23780 | RB Size 1 | RB Offset 0 | Channel | 23780 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|-------------|---------|-------|------------|-------------|
|---------|-------|-----------|-------------|---------|-------|------------|-------------|



Channel Bandwidth: 10MHz

| Channel | 23800 | RB Size 1 | RB Offset 49 | Channel | 23800 | RB Size 50 | RB Offset 0 |
|---------|-------|-----------|--------------|---------|-------|------------|-------------|
|---------|-------|-----------|--------------|---------|-------|------------|-------------|



## 2.7 Transmitter Radiated Power (EIRP/ERP)

### 2.7.1 Requirement

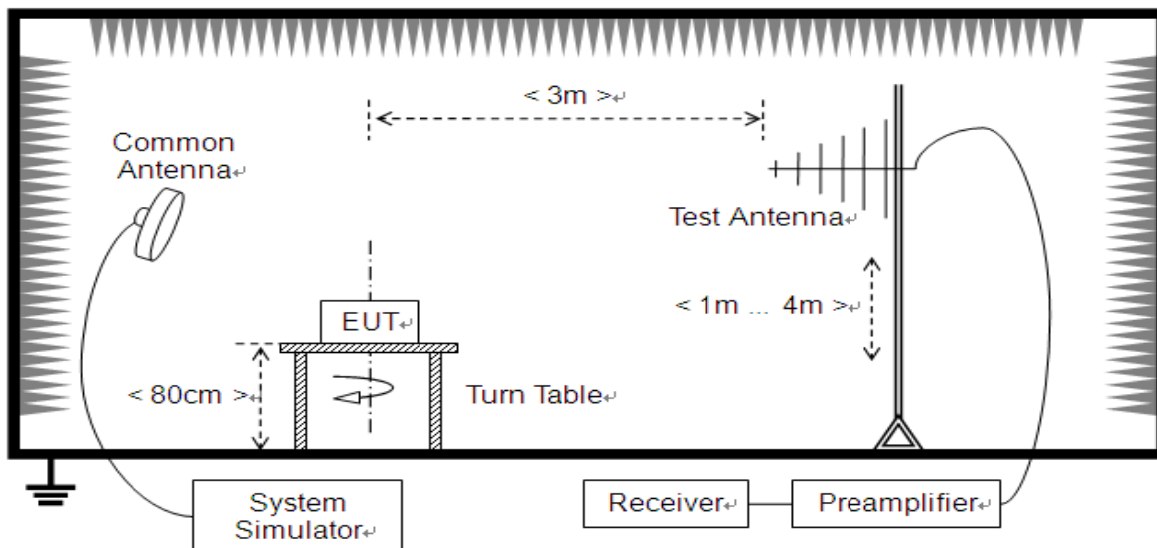
According to FCC section 27.50 (d), fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.

According to FCC section 22.913, in 824-849MHz band must not exceed 7Watts, and FCC section 24.232, in1850-1910MHz band are limited to 2 Watts e.i.r.p. peak power.

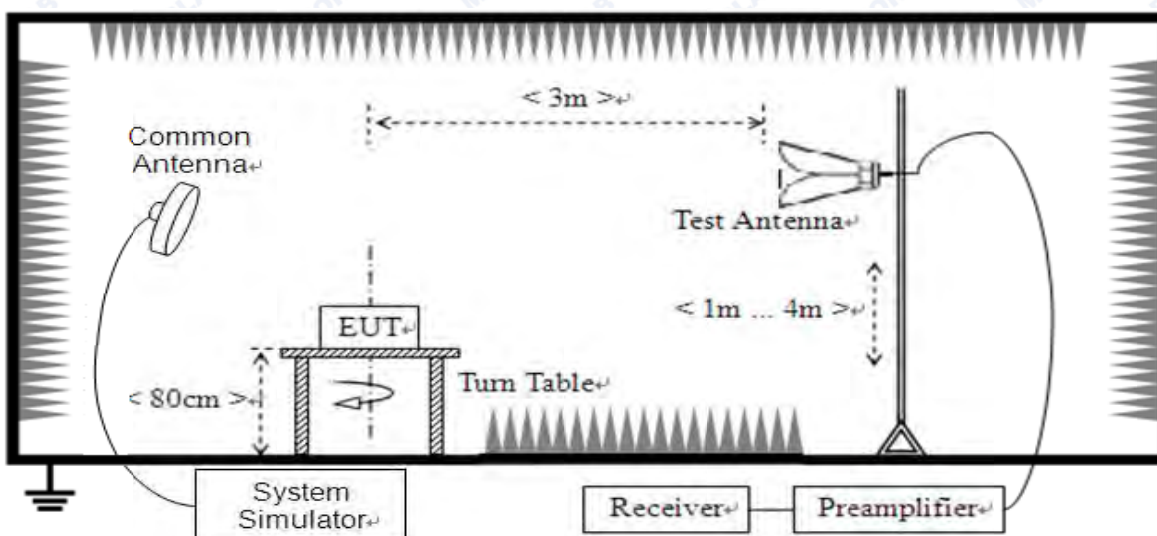
Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

### 2.7.2 Test Description

Test Setup:



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)



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.

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.

#### Equipments List:

| Description           | Manufacturer   | Model      | Serial No.                 | Cal. Date  | Cal. Due   |
|-----------------------|----------------|------------|----------------------------|------------|------------|
| System Simulator      | Rohde& Schwarz | CMW500     | 1201.0002k50/<br>124534/wk | 2016.03.02 | 2017.03.01 |
| Spectrum Analyzer     | Rohde& Schwarz | FSL        | 10246                      | 2016.03.02 | 2017.03.01 |
| Spectrum Analyzer     | Agilent        | E4445A     | MY44200685                 | 2016.03.02 | 2017.03.01 |
| Full-Anechoic Chamber | Albatross      | 9m*6m*6m   | (n.a.)                     | 2016.03.02 | 2017.03.01 |
| Test Antenna - Bi-Log | Schwarzbeck    | VULB 9163  | 9163-274                   | 2016.03.02 | 2017.03.01 |
| Test Antenna - Horn   | Schwarzbeck    | BBHA 9120C | 9120C-384                  | 2016.03.02 | 2017.03.01 |

### 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    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 2 | 20MHz      | L<br>18700 | 1860       | QPSK       | 1                | 0         | 23.48         |
|               |            |            |            |            | 100              | 0         | 22.36         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.85         |
|               |            |            |            |            | 100              | 0         | 21.22         |
|               |            | M<br>18900 | 1880       | QPSK       | 1                | 0         | 22.89         |
|               |            |            |            |            | 100              | 0         | 22.41         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.35         |
|               |            |            |            |            | 100              | 0         | 21.88         |
|               |            | H<br>19100 | 1900       | QPSK       | 1                | 0         | 23.14         |
|               |            |            |            |            | 100              | 0         | 22.54         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.14         |
|               |            |            |            |            | 100              | 0         | 21.58         |
| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 2 | 15MHz      | L<br>18675 | 1857.5     | QPSK       | 1                | 0         | 23.21         |
|               |            |            |            |            | 75               | 0         | 22.89         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.68         |
|               |            |            |            |            | 75               | 0         | 22.47         |
|               |            | M<br>18900 | 1880       | QPSK       | 1                | 0         | 23.56         |
|               |            |            |            |            | 75               | 0         | 22.57         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.94         |
|               |            |            |            |            | 75               | 0         | 22.14         |
|               |            | H<br>19125 | 1902.5     | QPSK       | 1                | 0         | 22.96         |
|               |            |            |            |            | 75               | 0         | 22.21         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.09         |
|               |            |            |            |            | 75               | 0         | 22.15         |



REPORT No.: SZ16050107W09

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 2 | 10MHz      | L<br>18650 | 1855       | QPSK       | 1                | 0         | 22.58         |
|               |            |            |            |            | 50               | 0         | 22.57         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.47         |
|               |            |            |            |            | 50               | 0         | 22.19         |
|               |            | M<br>18900 | 1880       | QPSK       | 1                | 0         | 22.87         |
|               |            |            |            |            | 50               | 0         | 22.68         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.58         |
|               |            |            |            |            | 50               | 0         | 22.69         |
|               |            | H<br>19150 | 1905       | QPSK       | 1                | 0         | 22.96         |
|               |            |            |            |            | 50               | 0         | 22.58         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.69         |
|               |            |            |            |            | 50               | 0         | 22.28         |

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 2 | 5MHz       | L<br>18625 | 1852.5     | QPSK       | 1                | 0         | 23.44         |
|               |            |            |            |            | 25               | 0         | 22.54         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.31         |
|               |            |            |            |            | 25               | 0         | 22.36         |
|               |            | M<br>18900 | 1880       | QPSK       | 1                | 0         | 23.14         |
|               |            |            |            |            | 25               | 0         | 22.58         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.47         |
|               |            |            |            |            | 25               | 0         | 22.36         |
|               |            | H<br>19175 | 1907.5     | QPSK       | 1                | 0         | 23.69         |
|               |            |            |            |            | 25               | 0         | 22.57         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.14         |
|               |            |            |            |            | 25               | 0         | 22.48         |
| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 2 | 3MHz       | L<br>18615 | 1851.5     | QPSK       | 1                | 0         | 22.58         |
|               |            |            |            |            | 15               | 0         | 22.36         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.14         |
|               |            |            |            |            | 15               | 0         | 22.48         |
|               |            | M<br>18900 | 1880       | QPSK       | 1                | 0         | 23.51         |
|               |            |            |            |            | 15               | 0         | 22.58         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.69         |
|               |            |            |            |            | 15               | 0         | 21.96         |
|               |            | H<br>19185 | 1908.5     | QPSK       | 1                | 0         | 22.88         |
|               |            |            |            |            | 15               | 0         | 22.15         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.19         |
|               |            |            |            |            | 15               | 0         | 20.33         |



REPORT No.: SZ16050107W09

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 2 | 1.4MHz     | L<br>18607 | 1850.7     | QPSK       | 1                | 0         | 22.39         |
|               |            |            |            |            | 6                | 0         | 22.48         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.36         |
|               |            |            |            |            | 6                | 0         | 22.45         |
|               |            | 18900      | 1880       | QPSK       | 1                | 0         | 23.55         |
|               |            |            |            |            | 6                | 0         | 31.69         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.18         |
|               |            |            |            |            | 6                | 0         | 21.33         |
|               |            | H<br>19193 | 1909.3     | QPSK       | 1                | 0         | 22.18         |
|               |            |            |            |            | 6                | 0         | 21.99         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.36         |
|               |            |            |            |            | 6                | 0         | 21.66         |

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 4 | 20MHz      | L<br>20050 | 1720.0     | QPSK       | 1                | 0         | 23.99         |
|               |            |            |            |            | 100              | 0         | 22.58         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.96         |
|               |            |            |            |            | 100              | 0         | 21.69         |
|               |            | M<br>20175 | 1732.5     | QPSK       | 1                | 0         | 23.66         |
|               |            |            |            |            | 100              | 0         | 22.69         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.85         |
|               |            |            |            |            | 100              | 0         | 21.92         |
|               |            | H<br>20300 | 1745.0     | QPSK       | 1                | 0         | 22.68         |
|               |            |            |            |            | 100              | 0         | 22.66         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.09         |
|               |            |            |            |            | 100              | 0         | 21.53         |
| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 4 | 15MHz      | L<br>20025 | 1717.5     | QPSK       | 1                | 0         | 23.88         |
|               |            |            |            |            | 75               | 0         | 23.04         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.96         |
|               |            |            |            |            | 75               | 0         | 22.53         |
|               |            | M<br>20175 | 1732.5     | QPSK       | 1                | 0         | 23.68         |
|               |            |            |            |            | 75               | 0         | 22.66         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.74         |
|               |            |            |            |            | 75               | 0         | 21.99         |
|               |            | H<br>20325 | 1747.5     | QPSK       | 1                | 0         | 22.79         |
|               |            |            |            |            | 75               | 0         | 23.34         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.38         |
|               |            |            |            |            | 75               | 0         | 22.63         |



REPORT No.: SZ16050107W09

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 4 | 10MHz      | L<br>20000 | 1715.0     | QPSK       | 1                | 0         | 23.89         |
|               |            |            |            |            | 50               | 0         | 23.52         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.77         |
|               |            |            |            |            | 50               | 0         | 22.17         |
|               |            | M<br>20175 | 1732.5     | QPSK       | 1                | 0         | 22.68         |
|               |            |            |            |            | 50               | 0         | 22.69         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.98         |
|               |            |            |            |            | 50               | 0         | 22.09         |
|               |            | H<br>20350 | 1750.0     | QPSK       | 1                | 0         | 23.54         |
|               |            |            |            |            | 50               | 0         | 23.55         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.24         |
|               |            |            |            |            | 50               | 0         | 22.69         |

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 4 | 5MHz       | L<br>19975 | 1712.5     | QPSK       | 1                | 0         | 23.66         |
|               |            |            |            |            | 25               | 0         | 23.51         |
|               |            |            |            | 16-QAM     | 1                | 0         | 24.01         |
|               |            |            |            |            | 25               | 0         | 22.54         |
|               |            | M<br>20175 | 1732.5     | QPSK       | 1                | 0         | 23.63         |
|               |            |            |            |            | 25               | 0         | 22.35         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.58         |
|               |            |            |            |            | 25               | 0         | 21.66         |
|               |            | H<br>20375 | 1752.5     | QPSK       | 1                | 0         | 23.67         |
|               |            |            |            |            | 25               | 0         | 23.24         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.99         |
|               |            |            |            |            | 25               | 0         | 22.31         |
| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 4 | 3MHz       | L<br>19965 | 1711.5     | QPSK       | 1                | 0         | 23.75         |
|               |            |            |            |            | 15               | 0         | 23.66         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.85         |
|               |            |            |            |            | 15               | 0         | 22.63         |
|               |            | M<br>20175 | 1732.5     | QPSK       | 1                | 0         | 24.08         |
|               |            |            |            |            | 15               | 0         | 23.17         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.24         |
|               |            |            |            |            | 15               | 0         | 22.59         |
|               |            | H<br>20385 | 1753.5     | QPSK       | 1                | 0         | 24.38         |
|               |            |            |            |            | 15               | 0         | 23.07         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.58         |
|               |            |            |            |            | 15               | 0         | 23.07         |



REPORT No.: SZ16050107W09

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | EIRP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|---------------|
|               |            |            |            |            | RB Size          | RB Offset |               |
| LTE<br>Band 4 | 1.4MHz     | L<br>19957 | 1710.7     | QPSK       | 1                | 0         | 24.09         |
|               |            |            |            |            | 6                | 0         | 23.08         |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.09         |
|               |            |            |            |            | 6                | 0         | 22.59         |
|               |            | M<br>20175 | 1732.5     | QPSK       | 1                | 0         | 23.34         |
|               |            |            |            |            | 6                | 0         | 22.86         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.93         |
|               |            |            |            |            | 6                | 0         | 21.99         |
|               |            | H<br>20393 | 1754.3     | QPSK       | 1                | 0         | 22.38         |
|               |            |            |            |            | 6                | 0         | 22.09         |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.39         |
|               |            |            |            |            | 6                | 0         | 22.87         |

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | ERP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|--------------|
|               |            |            |            |            | RB Size          | RB Offset |              |
| LTE<br>Band 5 | 10MHz      | L<br>20450 | 829        | QPSK       | 1                | 0         | 22.53        |
|               |            |            |            |            | 50               | 0         | 22.69        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.69        |
|               |            |            |            |            | 50               | 0         | 22.58        |
|               |            | M<br>20525 | 836.5      | QPSK       | 1                | 0         | 23.69        |
|               |            |            |            |            | 50               | 0         | 22.99        |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.35        |
|               |            |            |            |            | 50               | 0         | 22.36        |
|               |            | H<br>20600 | 844        | QPSK       | 1                | 0         | 23.69        |
|               |            |            |            |            | 50               | 0         | 23.66        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.58        |
|               |            |            |            |            | 50               | 0         | 22.58        |
| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | ERP<br>(dBm) |
|               |            |            |            |            | RB Size          | RB Offset |              |
| LTE<br>Band 5 | 5MHz       | L<br>20425 | 826.5      | QPSK       | 1                | 0         | 22.58        |
|               |            |            |            |            | 25               | 0         | 22.38        |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.68        |
|               |            |            |            |            | 25               | 0         | 22.58        |
|               |            | M<br>20525 | 836.5      | QPSK       | 1                | 0         | 23.54        |
|               |            |            |            |            | 25               | 0         | 22.58        |
|               |            |            |            | 16-QAM     | 1                | 0         | 23.14        |
|               |            |            |            |            | 25               | 0         | 22.58        |
|               |            | H<br>20625 | 846.5      | QPSK       | 1                | 0         | 23.69        |
|               |            |            |            |            | 25               | 0         | 23.58        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.58        |
|               |            |            |            |            | 25               | 0         | 23.58        |



REPORT No.: SZ16050107W09

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | ERP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|--------------|
|               |            |            |            |            | RB Size          | RB Offset |              |
| LTE<br>Band 5 | 3MHz       | L<br>20415 | 825.5      | QPSK       | 1                | 0         | 23.66        |
|               |            |            |            |            | 15               | 0         | 22.58        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.87        |
|               |            |            |            |            | 15               | 0         | 22.89        |
|               |            | M<br>20525 | 836.5      | QPSK       | 1                | 0         | 22.68        |
|               |            |            |            |            | 15               | 0         | 22.85        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.64        |
|               |            |            |            |            | 15               | 0         | 22.47        |
|               |            | H<br>20635 | 847.5      | QPSK       | 1                | 0         | 23.57        |
|               |            |            |            |            | 15               | 0         | 22.54        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.89        |
|               |            |            |            |            | 15               | 0         | 22.74        |

| Band          | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | ERP<br>(dBm) |
|---------------|------------|------------|------------|------------|------------------|-----------|--------------|
|               |            |            |            |            | RB Size          | RB Offset |              |
| LTE<br>Band 5 | 1.4MHz     | L<br>20407 | 824.7      | QPSK       | 1                | 0         | 23.66        |
|               |            |            |            |            | 6                | 0         | 22.54        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.67        |
|               |            |            |            |            | 6                | 0         | 22.85        |
|               |            | M<br>20525 | 836.5      | QPSK       | 1                | 0         | 23.65        |
|               |            |            |            |            | 6                | 0         | 22.58        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.39        |
|               |            |            |            |            | 6                | 0         | 22.38        |
|               |            | H<br>20643 | 848.3      | QPSK       | 1                | 0         | 22.38        |
|               |            |            |            |            | 6                | 0         | 22.37        |
|               |            |            |            | 16-QAM     | 1                | 0         | 22.58        |
|               |            |            |            |            | 6                | 0         | 22.37        |



REPORT No.: SZ16050107W09

| Band           | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | ERP<br>(dBm) |
|----------------|------------|------------|------------|------------|------------------|-----------|--------------|
|                |            |            |            |            | RB Size          | RB Offset |              |
| LTE<br>Band 17 | 10MHz      | L<br>23780 | 709        | QPSK       | 1                | 0         | 24.88        |
|                |            |            |            |            | 50               | 0         | 23.68        |
|                |            | M<br>23790 | 710        | 16-QAM     | 1                | 0         | 24.12        |
|                |            |            |            |            | 50               | 0         | 23.22        |
|                |            |            |            | QPSK       | 1                | 0         | 23.88        |
|                |            |            |            |            | 50               | 0         | 23.22        |
|                |            | H<br>23800 | 711        | 16-QAM     | 1                | 0         | 23.11        |
|                |            |            |            |            | 50               | 0         | 22.58        |
|                |            |            |            | QPSK       | 1                | 0         | 23.63        |
|                |            |            |            |            | 50               | 0         | 23.66        |
|                |            |            |            | 16-QAM     | 1                | 0         | 23.62        |
|                |            |            |            |            | 50               | 0         | 23.96        |
| Band           | Band Width | Channel    | Freq.(MHz) | Modulation | RB Configuration |           | ERP<br>(dBm) |
|                |            |            |            |            | RB Size          | RB Offset |              |
| LTE<br>Band 17 | 5MHz       | L<br>23755 | 706.5      | QPSK       | 1                | 0         | 24.88        |
|                |            |            |            |            | 25               | 0         | 23.66        |
|                |            |            |            | 16-QAM     | 1                | 0         | 23.55        |
|                |            |            |            |            | 25               | 0         | 22.99        |
|                |            | M<br>23790 | 710        | QPSK       | 1                | 0         | 23.66        |
|                |            |            |            |            | 25               | 0         | 23.85        |
|                |            |            |            | 16-QAM     | 1                | 0         | 22.85        |
|                |            |            |            |            | 25               | 0         | 22.85        |
|                |            | H<br>23825 | 713.5      | QPSK       | 1                | 0         | 23.65        |
|                |            |            |            |            | 25               | 0         | 22.68        |
|                |            |            |            | 16-QAM     | 1                | 0         | 23.62        |
|                |            |            |            |            | 25               | 0         | 23.65        |



## **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. Test Antenna height is varied from 1m to 4m above the ground, and the Turn Table is actuated to turn from 0° to 360°, 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.

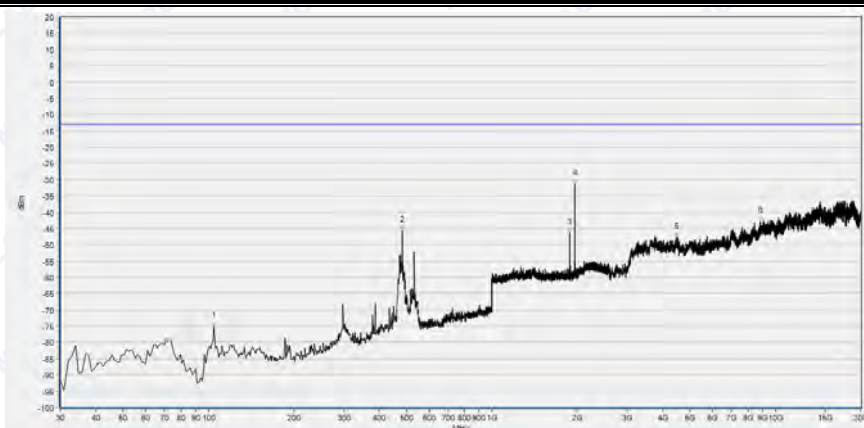
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



## LTE Band 2 1.4MHz BW, Mid Channel, QPSK



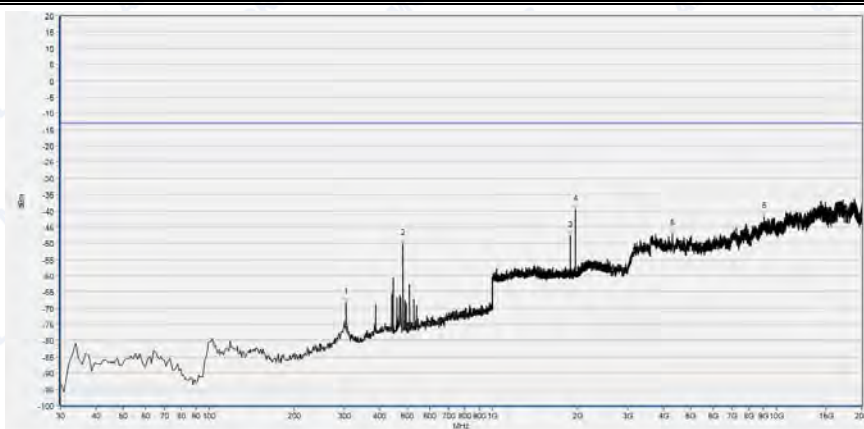
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 145.430    | -69.06 | -13.00    | Horizontal | PASS    |
| 2    | 480.080    | -52.16 | -13.00    | Horizontal | PASS    |
| 3    | 1880.352   | -52.80 | -13.00    | Horizontal | PASS    |
| 4    | 1959.744   | -38.08 | -13.00    | Horizontal | PASS    |
| 5    | 3761.266   | -46.58 | -13.00    | Horizontal | PASS    |
| 6    | 9092.962   | -41.97 | -13.00    | Horizontal | PASS    |



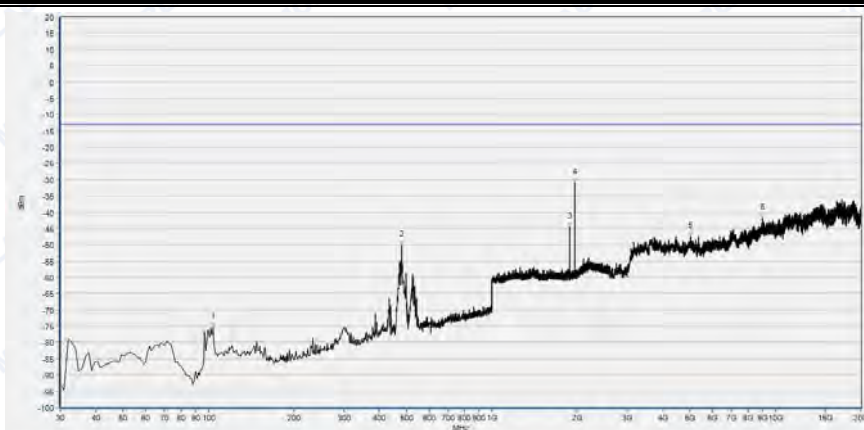
| Num. | Freq(MHz) | Peak   | limit PK | Antenna  | Verdict |
|------|-----------|--------|----------|----------|---------|
| 1    | 104.690   | -74.94 | -13.00   | Vertical | PASS    |
| 2    | 482.990   | -45.71 | -13.00   | Vertical | PASS    |
| 3    | 1879.712  | -46.30 | -13.00   | Vertical | PASS    |
| 4    | 1960.384  | -31.48 | -13.00   | Vertical | PASS    |
| 5    | 4479.542  | -47.81 | -13.00   | Vertical | PASS    |
| 6    | 8846.154  | -42.70 | -13.00   | Vertical | PASS    |



## LTE Band 2 1.4MHz BW, Mid Channel, 16QAM



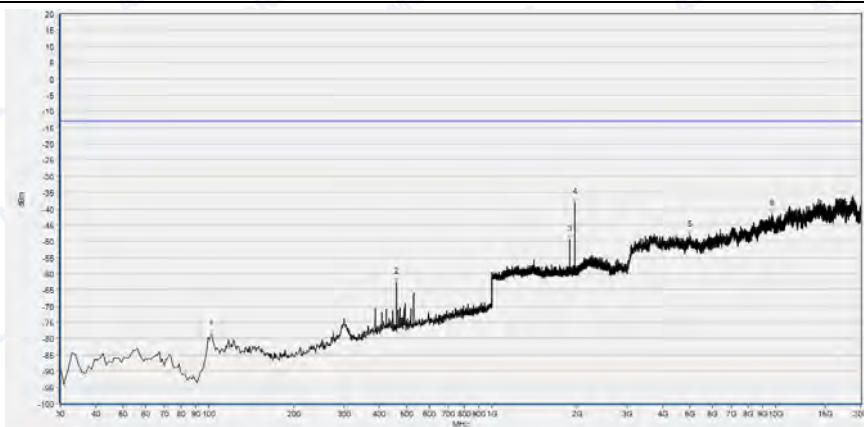
| Num | Freq(MHz) | Peak   | limit PK | Antenna    | Verdict |
|-----|-----------|--------|----------|------------|---------|
| 1   | 304.510   | -68.16 | -13.00   | Horizontal | PASS    |
| 2   | 482.990   | -50.15 | -13.00   | Horizontal | PASS    |
| 3   | 1879.712  | -47.74 | -13.00   | Horizontal | PASS    |
| 4   | 1959.744  | -39.69 | -13.00   | Horizontal | PASS    |
| 5   | 4311.839  | -47.33 | -13.00   | Horizontal | PASS    |
| 6   | 9032.842  | -42.01 | -13.00   | Horizontal | PASS    |



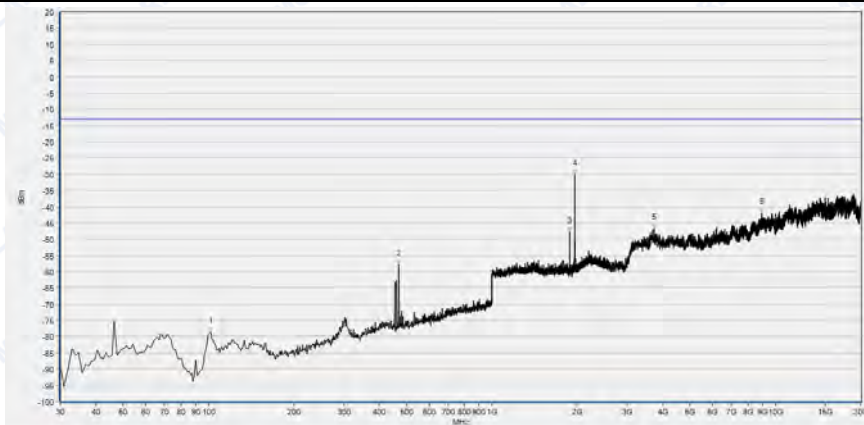
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 103.720    | -75.38 | -13.00    | Vertical | PASS    |
| 2    | 481.050    | -50.12 | -13.00    | Vertical | PASS    |
| 3    | 1879.712   | -44.65 | -13.00    | Vertical | PASS    |
| 4    | 1959.744   | -30.91 | -13.00    | Vertical | PASS    |
| 5    | 5017.458   | -47.51 | -13.00    | Vertical | PASS    |
| 6    | 9023.350   | -41.97 | -13.00    | Vertical | PASS    |



## LTE Band 2 3MHz BW, Mid Channel, QPSK



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 102.750    | -78.86 | -13.00    | Horizontal | PASS    |
| 2    | 460.680    | -62.78 | -13.00    | Horizontal | PASS    |
| 3    | 1878.431   | -49.48 | -13.00    | Horizontal | PASS    |
| 4    | 1960.384   | -38.21 | -13.00    | Horizontal | PASS    |
| 5    | 4995.308   | -48.21 | -13.00    | Horizontal | PASS    |
| 6    | 9722.640   | -41.58 | -13.00    | Horizontal | PASS    |



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 101.780    | -78.50 | -13.00    | Vertical | PASS    |
| 2    | 468.440    | -57.76 | -13.00    | Vertical | PASS    |
| 3    | 1879.072   | -47.67 | -13.00    | Vertical | PASS    |
| 4    | 1960.384   | -30.14 | -13.00    | Vertical | PASS    |
| 5    | 3735.952   | -46.69 | -13.00    | Vertical | PASS    |
| 6    | 8969.558   | -41.97 | -13.00    | Vertical | PASS    |



REPORT No.: SZ16050107W09

## LTE Band 2 3MHz BW, Mid Channel, 16QAM



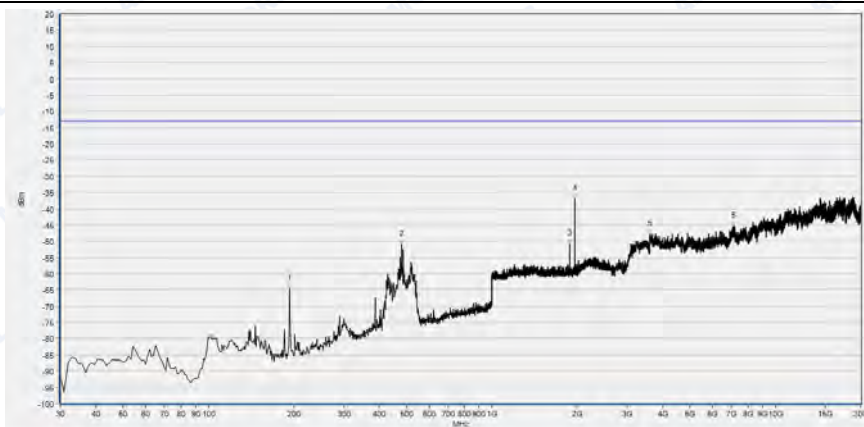
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 101.780    | -78.76 | -13.00    | Horizontal | PASS    |
| 2    | 453.890    | -58.19 | -13.00    | Horizontal | PASS    |
| 3    | 1880.352   | -51.01 | -13.00    | Horizontal | PASS    |
| 4    | 1959.104   | -38.13 | -13.00    | Horizontal | PASS    |
| 5    | 4558.647   | -47.78 | -13.00    | Horizontal | PASS    |
| 6    | 9418.876   | -41.82 | -13.00    | Horizontal | PASS    |



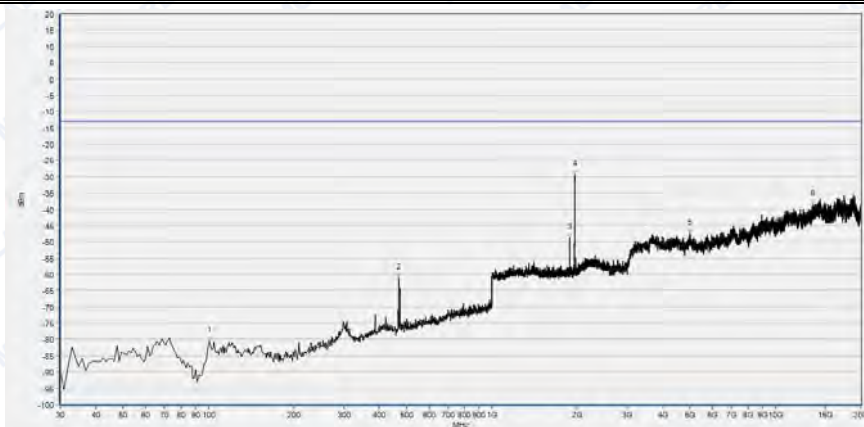
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 46.490     | -74.47 | -13.00    | Vertical | PASS    |
| 2    | 485.900    | -49.33 | -13.00    | Vertical | PASS    |
| 3    | 1879.072   | -48.47 | -13.00    | Vertical | PASS    |
| 4    | 1959.104   | -29.55 | -13.00    | Vertical | PASS    |
| 5    | 4315.003   | -47.66 | -13.00    | Vertical | PASS    |
| 6    | 9849.209   | -42.10 | -13.00    | Vertical | PASS    |



## LTE Band 2 5MHz BW, Mid Channel, QPSK



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 192.960    | -64.67 | -13.00    | Horizontal | PASS    |
| 2    | 480.080    | -51.03 | -13.00    | Horizontal | PASS    |
| 3    | 1878.431   | -50.84 | -13.00    | Horizontal | PASS    |
| 4    | 1959.744   | -37.09 | -13.00    | Horizontal | PASS    |
| 5    | 3599.891   | -47.89 | -13.00    | Horizontal | PASS    |
| 6    | 7115.330   | -45.44 | -13.00    | Horizontal | PASS    |



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 100.810    | -80.64 | -13.00    | Vertical | PASS    |
| 2    | 469.410    | -61.18 | -13.00    | Vertical | PASS    |
| 3    | 1878.431   | -48.87 | -13.00    | Vertical | PASS    |
| 4    | 1957.823   | -29.40 | -13.00    | Vertical | PASS    |
| 5    | 4988.980   | -47.57 | -13.00    | Vertical | PASS    |
| 6    | 13560.829  | -38.46 | -13.00    | Vertical | PASS    |

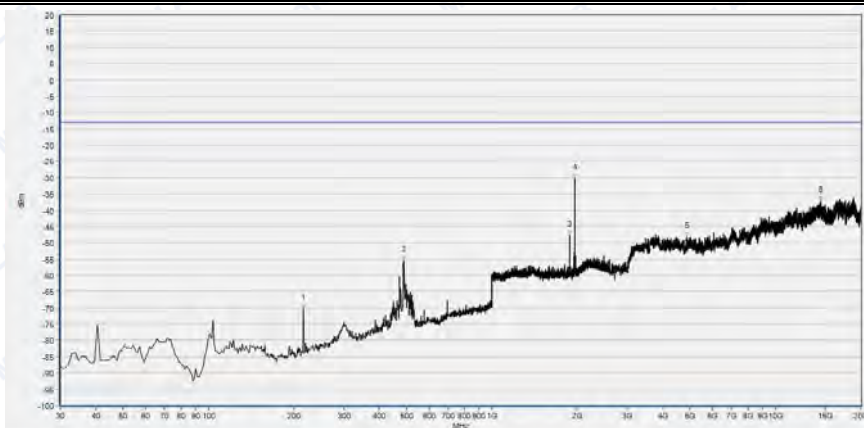


REPORT No.: SZ16050107W09

## LTE Band 2 5MHz BW, Mid Channel, 16QAM



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 102.750    | -79.08 | -13.00    | Horizontal | PASS    |
| 2    | 484.930    | -56.70 | -13.00    | Horizontal | PASS    |
| 3    | 1878.431   | -50.60 | -13.00    | Horizontal | PASS    |
| 4    | 1961.665   | -38.04 | -13.00    | Horizontal | PASS    |
| 5    | 3739.116   | -46.77 | -13.00    | Horizontal | PASS    |
| 6    | 7026.732   | -45.68 | -13.00    | Horizontal | PASS    |



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 216.240    | -70.26 | -13.00    | Vertical | PASS    |
| 2    | 489.780    | -55.62 | -13.00    | Vertical | PASS    |
| 3    | 1879.712   | -47.64 | -13.00    | Vertical | PASS    |
| 4    | 1960.384   | -30.21 | -13.00    | Vertical | PASS    |
| 5    | 4875.068   | -48.19 | -13.00    | Vertical | PASS    |
| 6    | 14468.958  | -37.24 | -13.00    | Vertical | PASS    |



## LTE Band 2 10MHz BW, Mid Channel, QPSK



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 104.690    | -72.28 | -13.00    | Horizontal | PASS    |
| 2    | 476.200    | -44.57 | -13.00    | Horizontal | PASS    |
| 3    | 1875.230   | -49.71 | -13.00    | Horizontal | PASS    |
| 4    | 1962.305   | -39.02 | -13.00    | Horizontal | PASS    |
| 5    | 4324.495   | -47.02 | -13.00    | Horizontal | PASS    |
| 6    | 7020.404   | -44.19 | -13.00    | Horizontal | PASS    |



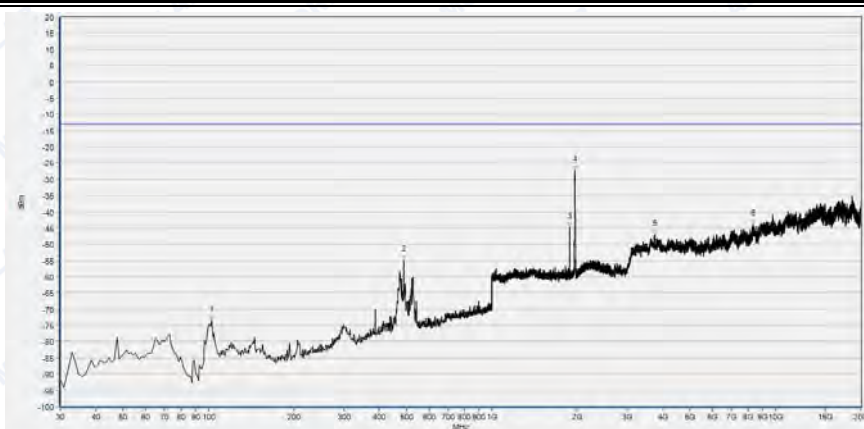
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 299.660    | -74.16 | -13.00    | Vertical | PASS    |
| 2    | 513.060    | -65.87 | -13.00    | Vertical | PASS    |
| 3    | 1875.230   | -45.66 | -13.00    | Vertical | PASS    |
| 4    | 1962.945   | -28.86 | -13.00    | Vertical | PASS    |
| 5    | 3735.952   | -47.43 | -13.00    | Vertical | PASS    |
| 6    | 7058.374   | -45.91 | -13.00    | Vertical | PASS    |



## LTE Band 2 10MHz BW, Mid Channel, 16QAM



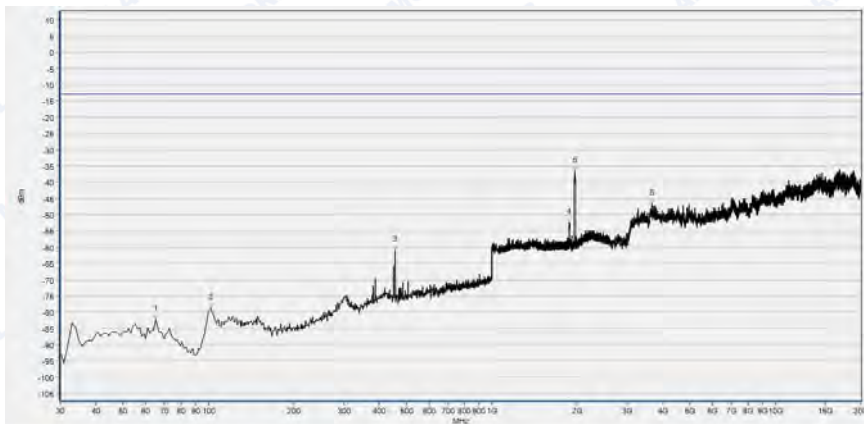
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 100.810    | -78.95 | -13.00    | Horizontal | PASS    |
| 2    | 520.820    | -60.66 | -13.00    | Horizontal | PASS    |
| 3    | 1875.870   | -47.35 | -13.00    | Horizontal | PASS    |
| 4    | 1959.104   | -37.59 | -13.00    | Horizontal | PASS    |
| 5    | 3631.533   | -46.75 | -13.00    | Horizontal | PASS    |
| 6    | 6378.069   | -46.54 | -13.00    | Horizontal | PASS    |



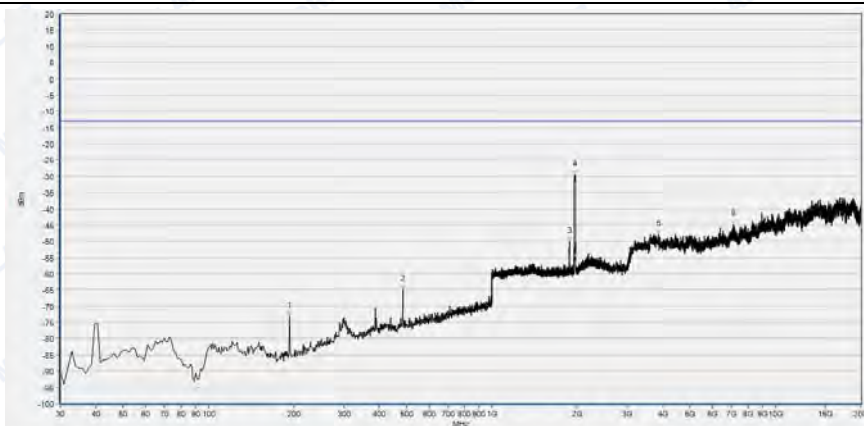
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 102.750    | -73.52 | -13.00    | Vertical | PASS    |
| 2    | 488.810    | -54.83 | -13.00    | Vertical | PASS    |
| 3    | 1875.870   | -44.85 | -13.00    | Vertical | PASS    |
| 4    | 1962.945   | -27.28 | -13.00    | Vertical | PASS    |
| 5    | 3751.773   | -47.09 | -13.00    | Vertical | PASS    |
| 6    | 8339.880   | -44.02 | -13.00    | Vertical | PASS    |



## LTE Band 2 15MHz BW, Mid Channel, QPSK



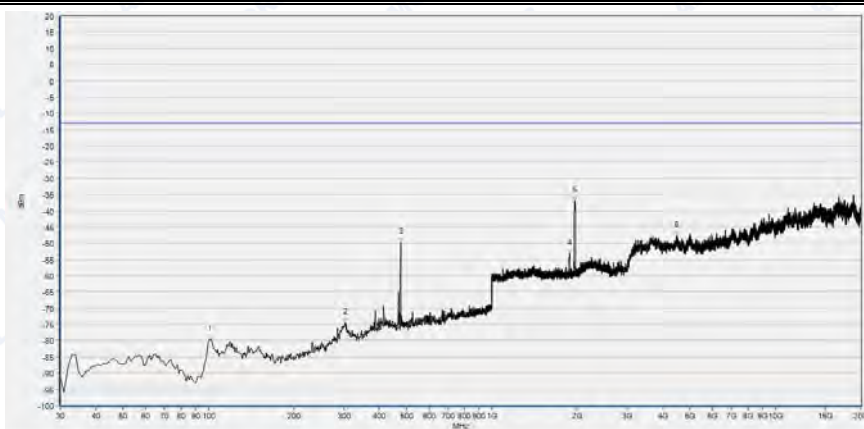
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 64.920     | -82.25 | -13.00    | Horizontal | PASS    |
| 2    | 101.780    | -78.81 | -13.00    | Horizontal | PASS    |
| 3    | 455.830    | -60.89 | -13.00    | Horizontal | PASS    |
| 4    | 1873.309   | -52.41 | -13.00    | Horizontal | PASS    |
| 5    | 1958.463   | -36.62 | -13.00    | Horizontal | PASS    |
| 6    | 3672.668   | -46.57 | -13.00    | Horizontal | PASS    |



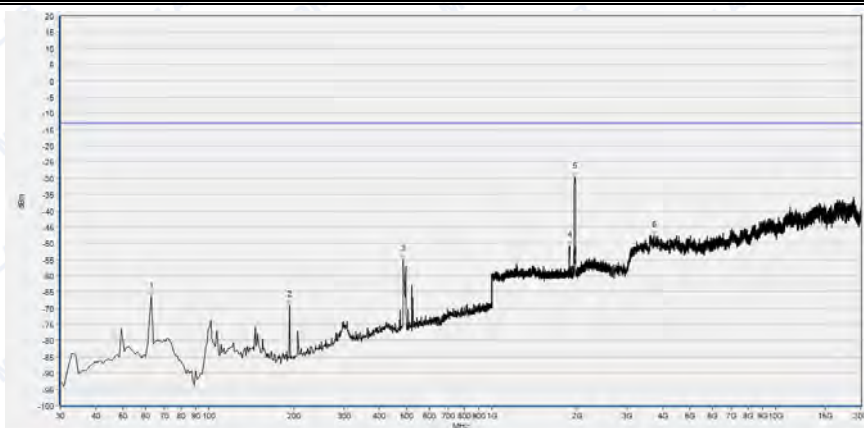
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 192.960    | -73.25 | -13.00    | Vertical | PASS    |
| 2    | 484.930    | -64.96 | -13.00    | Vertical | PASS    |
| 3    | 1875.870   | -50.27 | -13.00    | Vertical | PASS    |
| 4    | 1954.622   | -29.53 | -13.00    | Vertical | PASS    |
| 5    | 3872.013   | -47.94 | -13.00    | Vertical | PASS    |
| 6    | 7090.016   | -44.70 | -13.00    | Vertical | PASS    |



## LTE Band 2 15MHz BW, Mid Channel, 16QAM



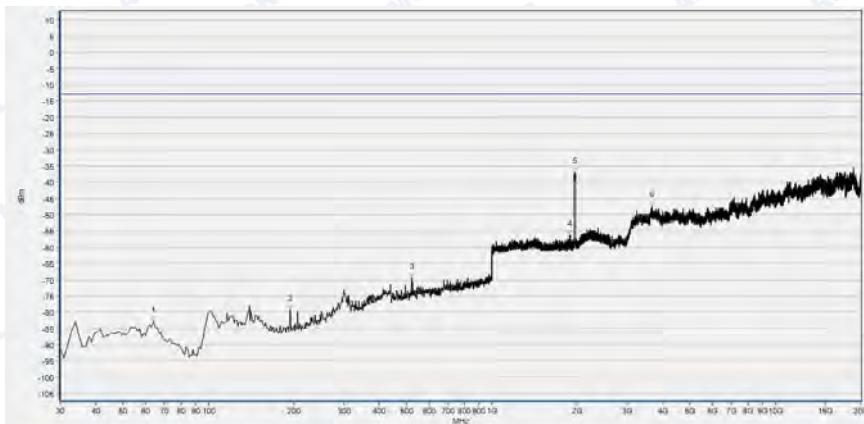
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 100.810    | -79.64 | -13.00    | Horizontal | PASS    |
| 2    | 304.510    | -74.62 | -13.00    | Horizontal | PASS    |
| 3    | 476.200    | -49.74 | -13.00    | Horizontal | PASS    |
| 4    | 1875.230   | -53.28 | -13.00    | Horizontal | PASS    |
| 5    | 1962.305   | -37.02 | -13.00    | Horizontal | PASS    |
| 6    | 4473.213   | -47.81 | -13.00    | Horizontal | PASS    |



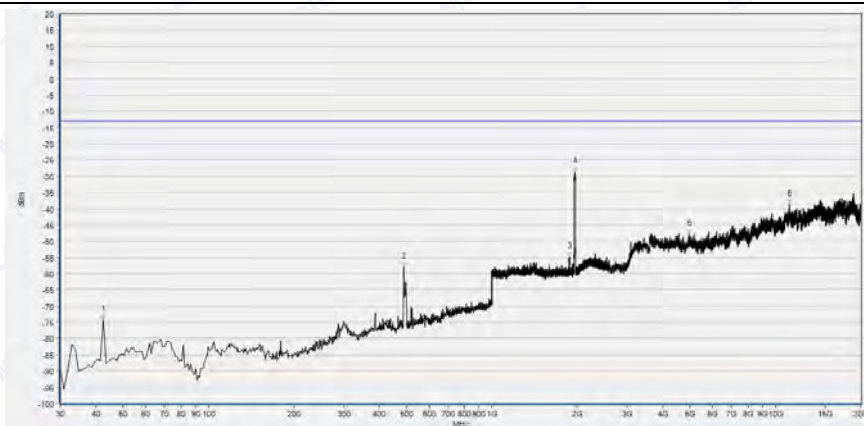
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 62.980     | -66.50 | -13.00    | Vertical | PASS    |
| 2    | 192.960    | -69.18 | -13.00    | Vertical | PASS    |
| 3    | 486.870    | -55.12 | -13.00    | Vertical | PASS    |
| 4    | 1874.590   | -50.92 | -13.00    | Vertical | PASS    |
| 5    | 1959.744   | -29.68 | -13.00    | Vertical | PASS    |
| 6    | 3723.295   | -47.75 | -13.00    | Vertical | PASS    |



## LTE Band 2 20MHz BW, Mid Channel, QPSK



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 63.950     | -82.79 | -13.00    | Horizontal | PASS    |
| 2    | 193.930    | -79.36 | -13.00    | Horizontal | PASS    |
| 3    | 519.850    | -69.47 | -13.00    | Horizontal | PASS    |
| 4    | 1875.230   | -56.25 | -13.00    | Horizontal | PASS    |
| 5    | 1959.744   | -36.89 | -13.00    | Horizontal | PASS    |
| 6    | 3675.832   | -47.38 | -13.00    | Horizontal | PASS    |



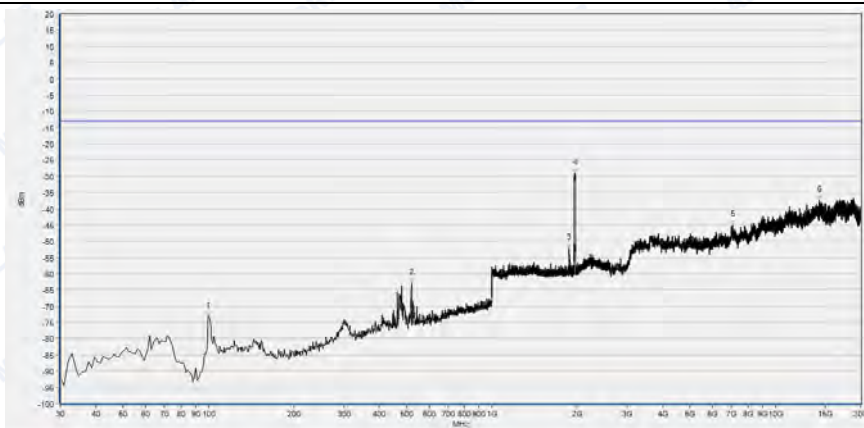
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 42.610     | -74.41 | -13.00    | Vertical | PASS    |
| 2    | 487.840    | -58.02 | -13.00    | Vertical | PASS    |
| 3    | 1875.870   | -54.97 | -13.00    | Vertical | PASS    |
| 4    | 1961.024   | -28.79 | -13.00    | Vertical | PASS    |
| 5    | 4944.681   | -47.82 | -13.00    | Vertical | PASS    |
| 6    | 11193.999  | -38.70 | -13.00    | Vertical | PASS    |



## LTE Band 2 20MHz BW, Mid Channel, 16QAM



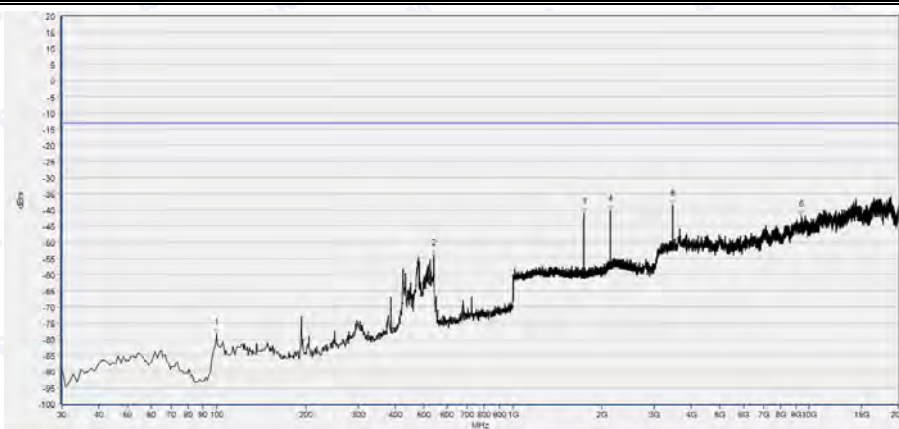
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 102.750    | -80.54 | -13.00    | Horizontal | PASS    |
| 2    | 301.600    | -74.47 | -13.00    | Horizontal | PASS    |
| 3    | 498.510    | -54.66 | -13.00    | Horizontal | PASS    |
| 4    | 1876.511   | -55.00 | -13.00    | Horizontal | PASS    |
| 5    | 1959.744   | -36.21 | -13.00    | Horizontal | PASS    |
| 6    | 3628.369   | -46.48 | -13.00    | Horizontal | PASS    |



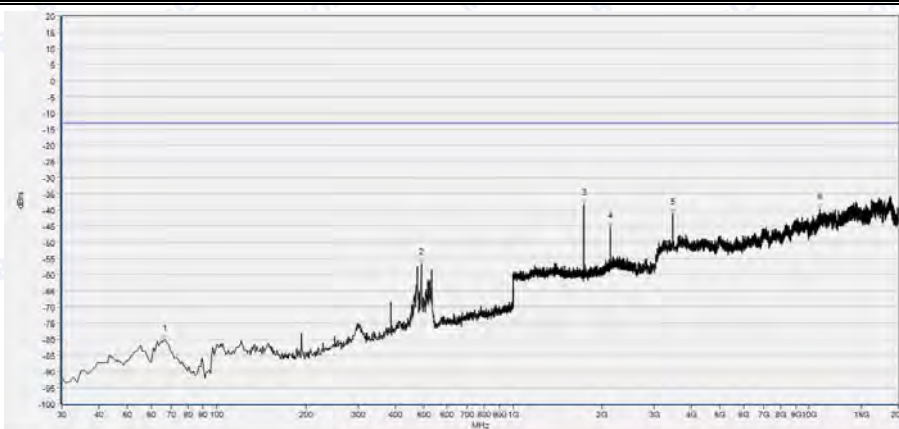
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 99.840     | -73.11 | -13.00    | Vertical | PASS    |
| 2    | 519.850    | -62.83 | -13.00    | Vertical | PASS    |
| 3    | 1873.309   | -52.25 | -13.00    | Vertical | PASS    |
| 4    | 1962.945   | -29.19 | -13.00    | Vertical | PASS    |
| 5    | 7058.374   | -45.00 | -13.00    | Vertical | PASS    |
| 6    | 14307.583  | -37.46 | -13.00    | Vertical | PASS    |



## LTE Band 4 1.4MHz BW, Mid Channel, QPSK



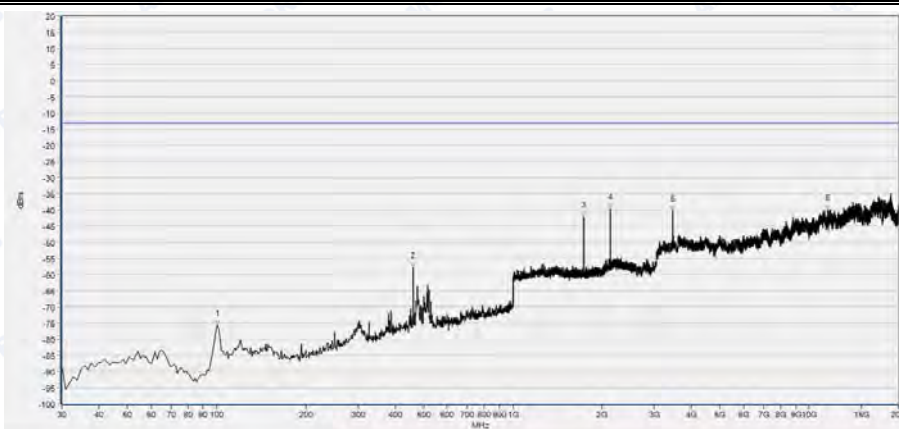
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 99.840     | -78.25 | -13.00    | Horizontal | PASS    |
| 2    | 539.250    | -53.84 | -13.00    | Horizontal | PASS    |
| 3    | 1733.093   | -41.03 | -13.00    | Horizontal | PASS    |
| 4    | 2133.253   | -40.31 | -13.00    | Horizontal | PASS    |
| 5    | 3466.994   | -38.61 | -13.00    | Horizontal | PASS    |
| 6    | 9387.234   | -41.99 | -13.00    | Horizontal | PASS    |



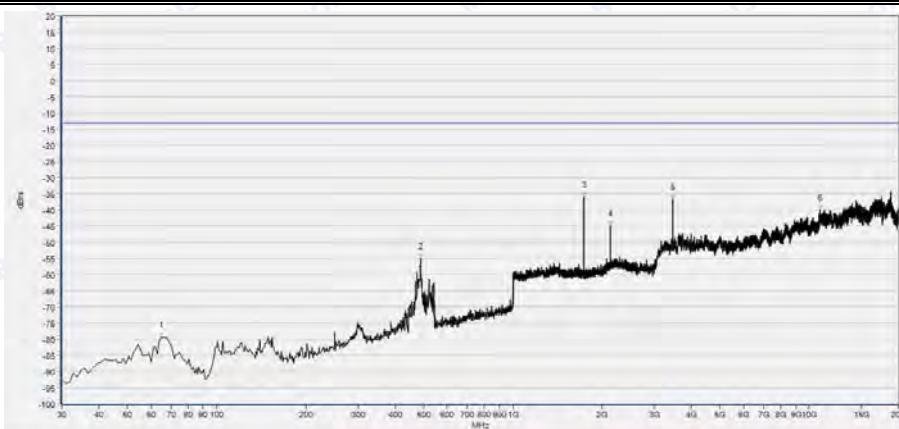
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 66.860     | -80.22 | -13.00    | Vertical | PASS    |
| 2    | 490.750    | -56.72 | -13.00    | Vertical | PASS    |
| 3    | 1733.093   | -38.44 | -13.00    | Vertical | PASS    |
| 4    | 2132.613   | -45.55 | -13.00    | Vertical | PASS    |
| 5    | 3466.994   | -41.08 | -13.00    | Vertical | PASS    |
| 6    | 10830.115  | -39.71 | -13.00    | Vertical | PASS    |



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



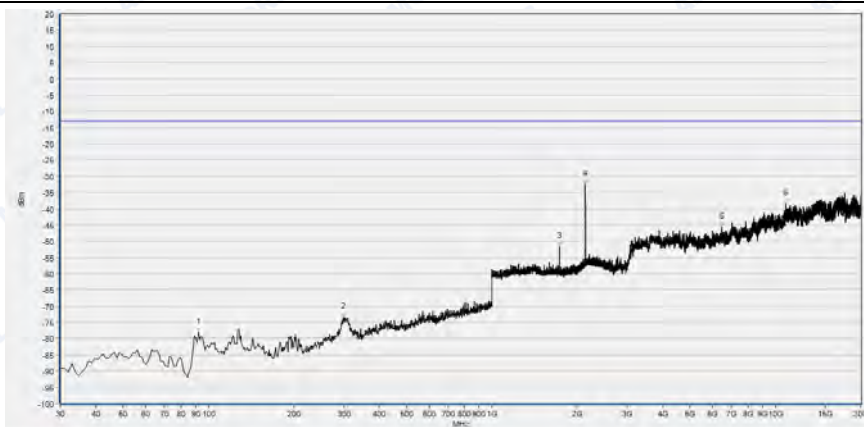
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 100.810    | -75.63 | -13.00    | Horizontal | PASS    |
| 2    | 460.680    | -57.76 | -13.00    | Horizontal | PASS    |
| 3    | 1732.453   | -42.06 | -13.00    | Horizontal | PASS    |
| 4    | 2132.613   | -39.78 | -13.00    | Horizontal | PASS    |
| 5    | 3466.994   | -40.16 | -13.00    | Horizontal | PASS    |
| 6    | 11532.570  | -39.99 | -13.00    | Horizontal | PASS    |



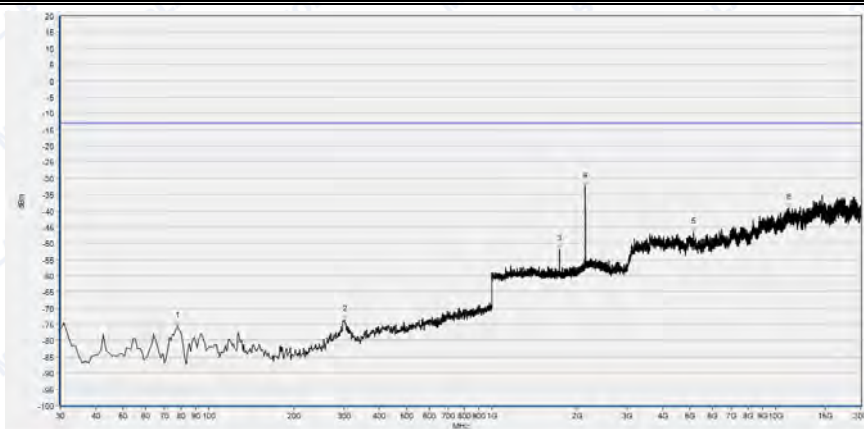
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 64.920     | -79.40 | -13.00    | Vertical | PASS    |
| 2    | 487.840    | -54.88 | -13.00    | Vertical | PASS    |
| 3    | 1733.093   | -35.99 | -13.00    | Vertical | PASS    |
| 4    | 2132.613   | -44.93 | -13.00    | Vertical | PASS    |
| 5    | 3463.830   | -36.72 | -13.00    | Vertical | PASS    |
| 6    | 10836.443  | -40.08 | -13.00    | Vertical | PASS    |



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



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 92.142     | -78.04 | -13.00    | Horizontal | PASS    |
| 2    | 298.959    | -73.45 | -13.00    | Horizontal | PASS    |
| 3    | 1732.366   | -51.81 | -13.00    | Horizontal | PASS    |
| 4    | 2133.367   | -32.56 | -13.00    | Horizontal | PASS    |
| 5    | 6466.344   | -45.77 | -13.00    | Horizontal | PASS    |
| 6    | 10895.383  | -38.54 | -13.00    | Horizontal | PASS    |

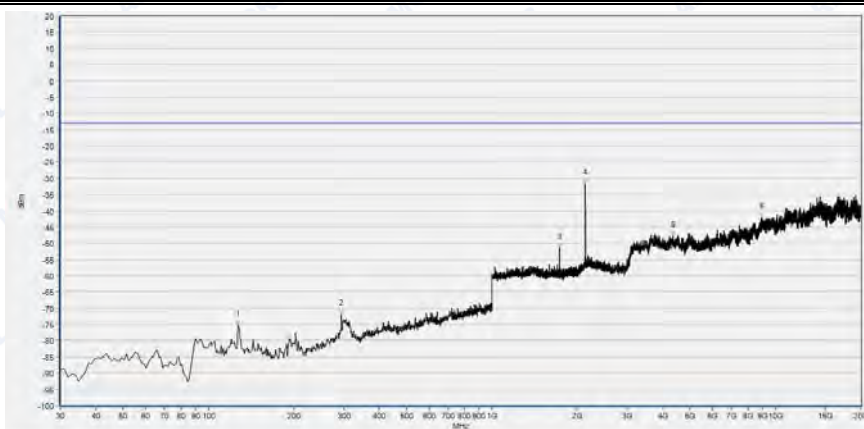


| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 77.578     | -75.59 | -13.00    | Vertical | PASS    |
| 2    | 301.872    | -73.70 | -13.00    | Vertical | PASS    |
| 3    | 1732.366   | -51.94 | -13.00    | Vertical | PASS    |
| 4    | 2133.367   | -32.54 | -13.00    | Vertical | PASS    |
| 5    | 5146.624   | -46.67 | -13.00    | Vertical | PASS    |
| 6    | 11147.725  | -39.27 | -13.00    | Vertical | PASS    |

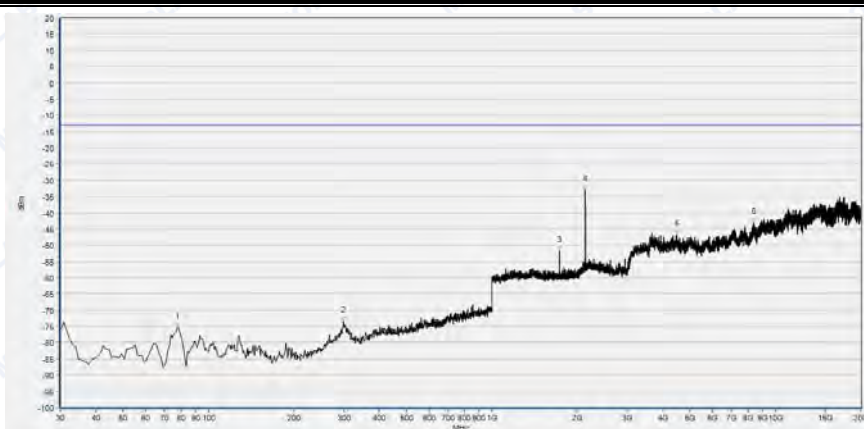


REPORT No.: SZ16050107W09

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



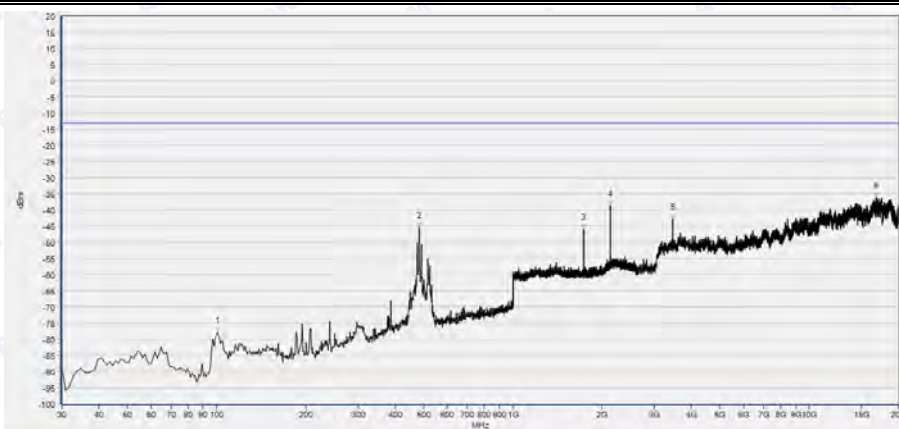
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 127.097    | -75.20 | -13.00    | Horizontal | PASS    |
| 2    | 294.104    | -71.95 | -13.00    | Horizontal | PASS    |
| 3    | 1732.366   | -51.49 | -13.00    | Horizontal | PASS    |
| 4    | 2133.367   | -31.51 | -13.00    | Horizontal | PASS    |
| 5    | 4354.792   | -47.61 | -13.00    | Horizontal | PASS    |
| 6    | 8937.556   | -42.20 | -13.00    | Horizontal | PASS    |



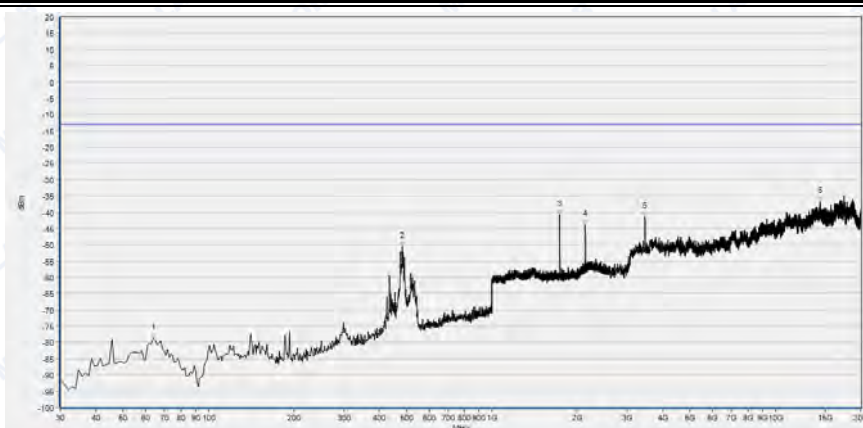
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 77.578     | -75.38 | -13.00    | Vertical | PASS    |
| 2    | 299.930    | -73.51 | -13.00    | Vertical | PASS    |
| 3    | 1732.366   | -51.77 | -13.00    | Vertical | PASS    |
| 4    | 2132.566   | -32.98 | -13.00    | Vertical | PASS    |
| 5    | 4473.712   | -46.89 | -13.00    | Vertical | PASS    |
| 6    | 8383.564   | -43.00 | -13.00    | Vertical | PASS    |



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



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 100.810    | -77.96 | -13.00    | Horizontal | PASS    |
| 2    | 482.990    | -45.37 | -13.00    | Horizontal | PASS    |
| 3    | 1731.813   | -46.02 | -13.00    | Horizontal | PASS    |
| 4    | 2132.613   | -38.84 | -13.00    | Horizontal | PASS    |
| 5    | 3460.666   | -42.90 | -13.00    | Horizontal | PASS    |
| 6    | 16763.011  | -36.12 | -13.00    | Horizontal | PASS    |

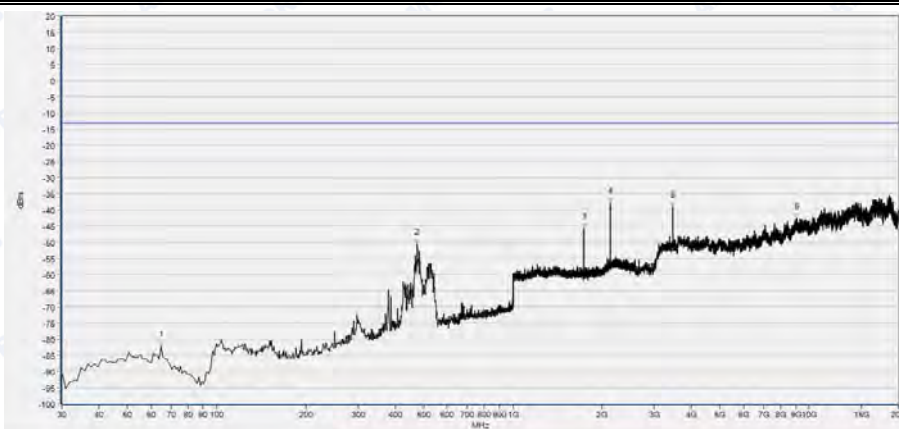


| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 63.950     | -78.79 | -13.00    | Vertical | PASS    |
| 2    | 482.990    | -50.69 | -13.00    | Vertical | PASS    |
| 3    | 1732.453   | -40.82 | -13.00    | Vertical | PASS    |
| 4    | 2131.973   | -43.95 | -13.00    | Vertical | PASS    |
| 5    | 3463.830   | -41.42 | -13.00    | Vertical | PASS    |
| 6    | 14396.181  | -36.79 | -13.00    | Vertical | PASS    |

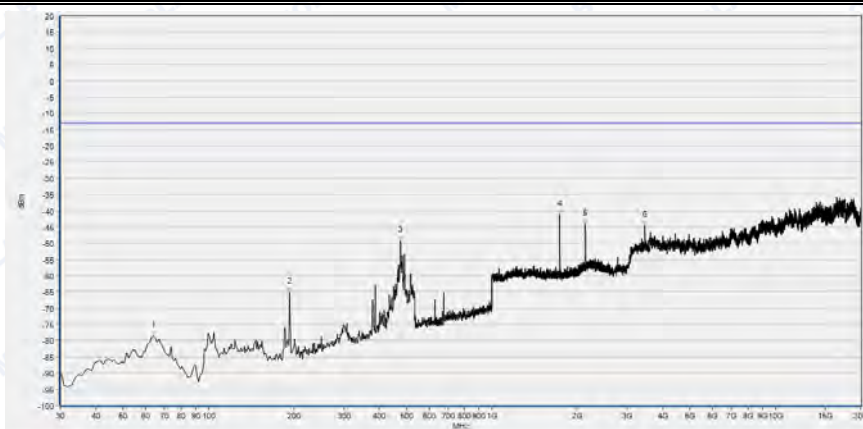


REPORT No.: SZ16050107W09

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



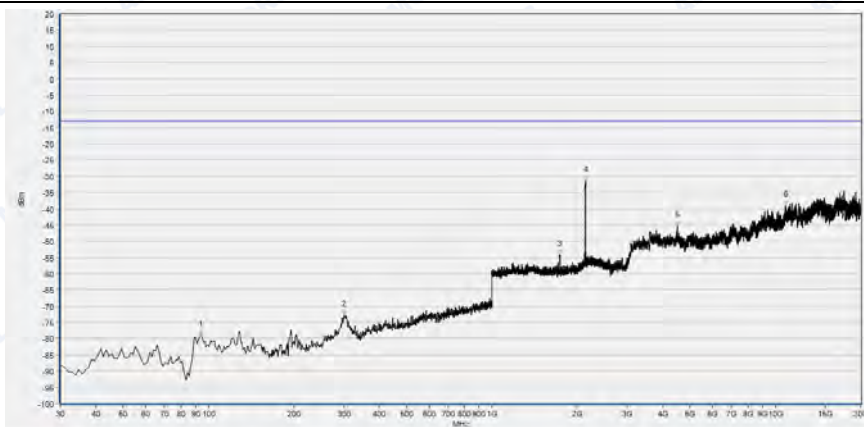
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 64.920     | -82.10 | -13.00    | Horizontal | PASS    |
| 2    | 475.230    | -50.57 | -13.00    | Horizontal | PASS    |
| 3    | 1733.093   | -45.77 | -13.00    | Horizontal | PASS    |
| 4    | 2131.333   | -37.95 | -13.00    | Horizontal | PASS    |
| 5    | 3463.830   | -39.05 | -13.00    | Horizontal | PASS    |
| 6    | 9083.470   | -42.72 | -13.00    | Horizontal | PASS    |



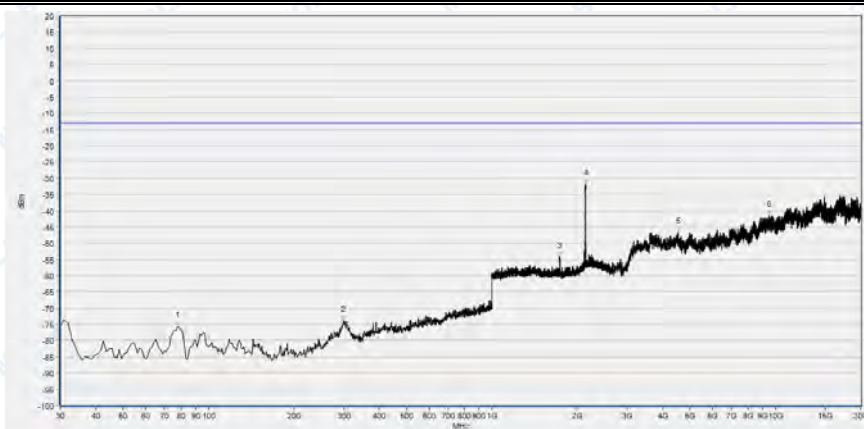
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 63.950     | -78.47 | -13.00    | Vertical | PASS    |
| 2    | 192.960    | -65.08 | -13.00    | Vertical | PASS    |
| 3    | 475.230    | -49.26 | -13.00    | Vertical | PASS    |
| 4    | 1733.093   | -41.21 | -13.00    | Vertical | PASS    |
| 5    | 2133.894   | -44.23 | -13.00    | Vertical | PASS    |
| 6    | 3463.830   | -44.54 | -13.00    | Vertical | PASS    |



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



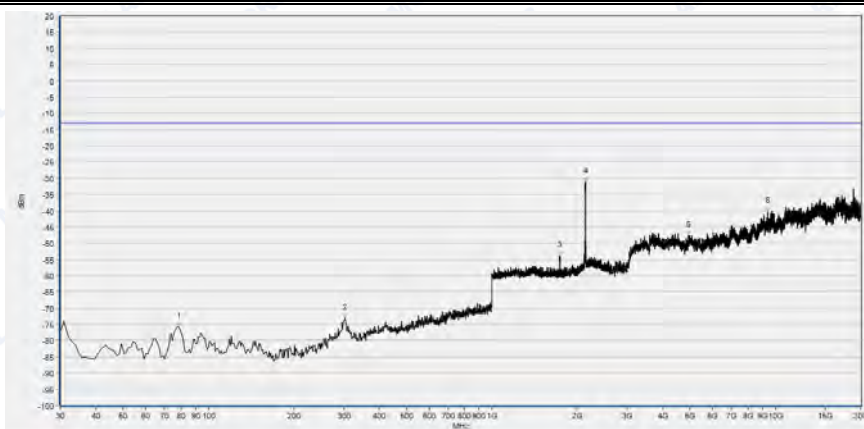
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 94.084     | -79.01 | -13.00    | Horizontal | PASS    |
| 2    | 300.901    | -72.75 | -13.00    | Horizontal | PASS    |
| 3    | 1735.568   | -54.11 | -13.00    | Horizontal | PASS    |
| 4    | 2135.768   | -31.46 | -13.00    | Horizontal | PASS    |
| 5    | 4517.220   | -45.32 | -13.00    | Horizontal | PASS    |
| 6    | 10848.975  | -39.01 | -13.00    | Horizontal | PASS    |



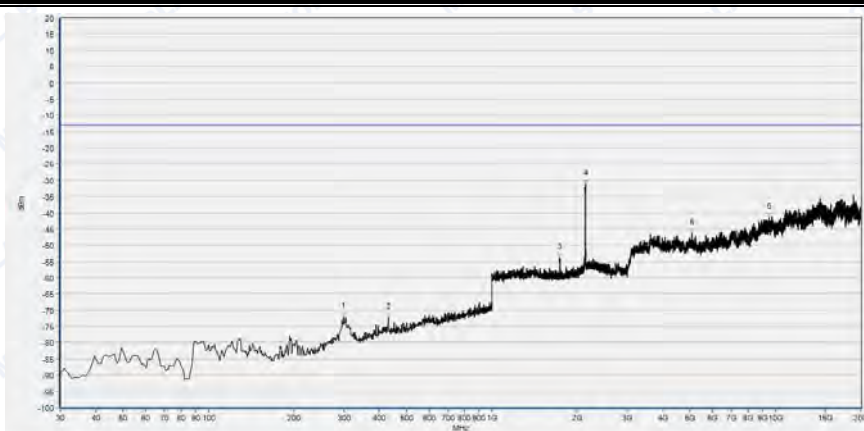
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 77.578     | -75.54 | -13.00    | Vertical | PASS    |
| 2    | 299.930    | -73.78 | -13.00    | Vertical | PASS    |
| 3    | 1731.566   | -54.20 | -13.00    | Vertical | PASS    |
| 4    | 2136.568   | -31.81 | -13.00    | Vertical | PASS    |
| 5    | 4543.324   | -46.67 | -13.00    | Vertical | PASS    |
| 6    | 9471.245   | -41.41 | -13.00    | Vertical | PASS    |



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



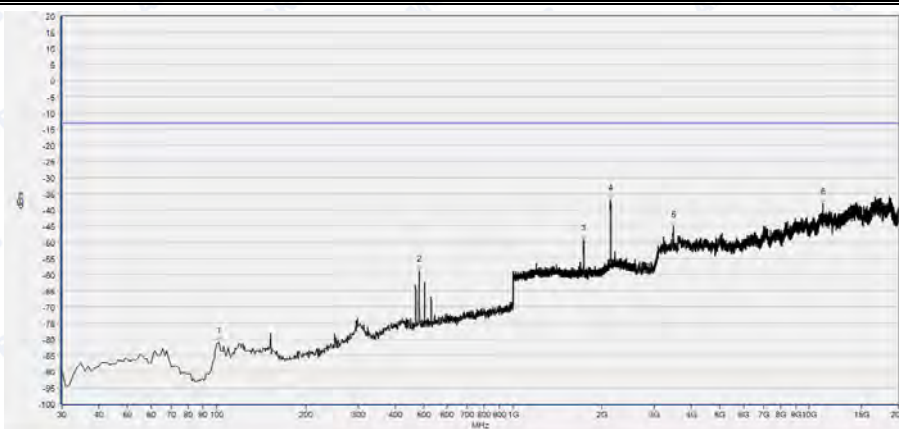
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 78.549     | -75.81 | -13.00    | Horizontal | PASS    |
| 2    | 301.872    | -73.28 | -13.00    | Horizontal | PASS    |
| 3    | 1730.765   | -53.90 | -13.00    | Horizontal | PASS    |
| 4    | 2136.568   | -31.11 | -13.00    | Horizontal | PASS    |
| 5    | 4940.690   | -47.78 | -13.00    | Horizontal | PASS    |
| 6    | 9401.634   | -40.29 | -13.00    | Horizontal | PASS    |



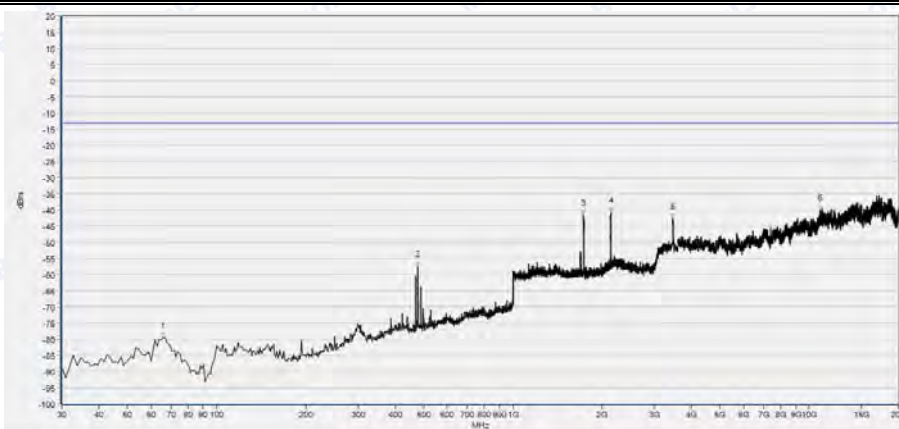
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 299.930    | -72.04 | -13.00    | Vertical | PASS    |
| 2    | 431.011    | -72.30 | -13.00    | Vertical | PASS    |
| 3    | 1730.765   | -53.87 | -13.00    | Vertical | PASS    |
| 4    | 2136.568   | -31.15 | -13.00    | Vertical | PASS    |
| 5    | 5068.311   | -46.37 | -13.00    | Vertical | PASS    |
| 6    | 9485.748   | -41.39 | -13.00    | Vertical | PASS    |



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



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 101.780    | -80.95 | -13.00    | Horizontal | PASS    |
| 2    | 482.020    | -58.77 | -13.00    | Horizontal | PASS    |
| 3    | 1730.532   | -49.20 | -13.00    | Horizontal | PASS    |
| 4    | 2131.333   | -36.92 | -13.00    | Horizontal | PASS    |
| 5    | 3473.322   | -45.19 | -13.00    | Horizontal | PASS    |
| 6    | 11143.372  | -38.14 | -13.00    | Horizontal | PASS    |



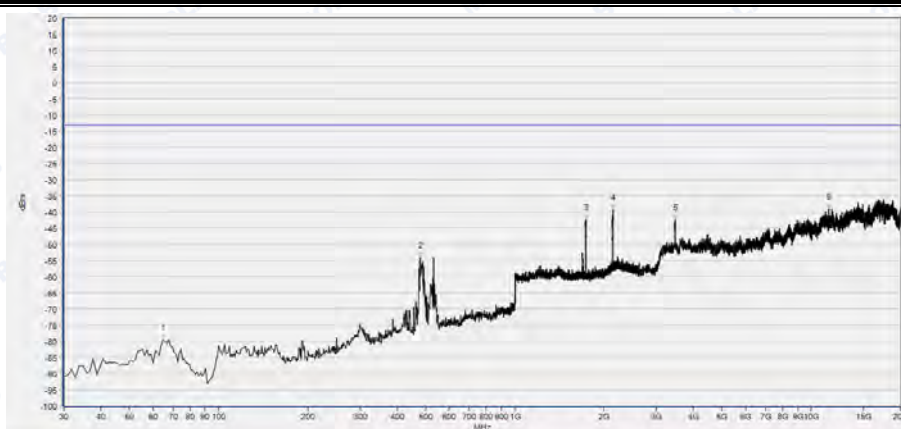
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 65.890     | -79.62 | -13.00    | Vertical | PASS    |
| 2    | 477.170    | -57.34 | -13.00    | Vertical | PASS    |
| 3    | 1731.813   | -41.75 | -13.00    | Vertical | PASS    |
| 4    | 2138.375   | -40.75 | -13.00    | Vertical | PASS    |
| 5    | 3457.501   | -42.51 | -13.00    | Vertical | PASS    |
| 6    | 10839.607  | -40.05 | -13.00    | Vertical | PASS    |



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



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 99.840     | -81.87 | -13.00    | Horizontal | PASS    |
| 2    | 471.350    | -60.16 | -13.00    | Horizontal | PASS    |
| 3    | 1733.093   | -48.63 | -13.00    | Horizontal | PASS    |
| 4    | 2137.095   | -36.32 | -13.00    | Horizontal | PASS    |
| 5    | 3466.994   | -45.11 | -13.00    | Horizontal | PASS    |
| 6    | 11209.820  | -37.85 | -13.00    | Horizontal | PASS    |



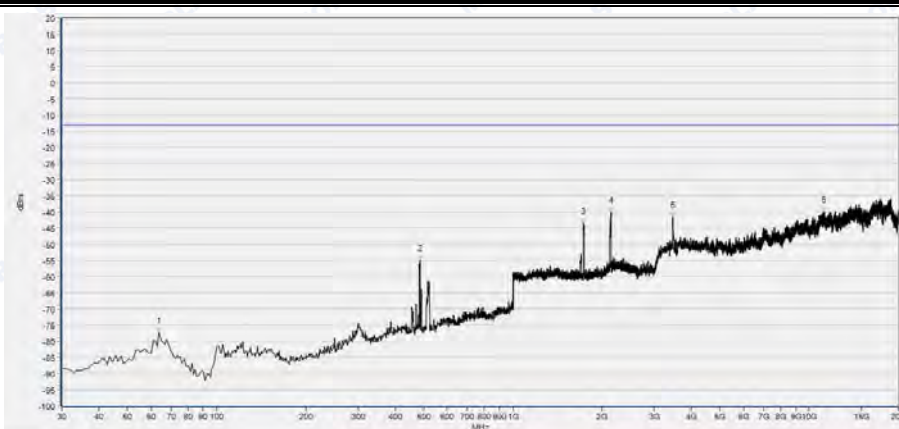
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 64.920     | -79.53 | -13.00    | Vertical | PASS    |
| 2    | 479.110    | -53.96 | -13.00    | Vertical | PASS    |
| 3    | 1733.093   | -42.37 | -13.00    | Vertical | PASS    |
| 4    | 2139.016   | -39.37 | -13.00    | Vertical | PASS    |
| 5    | 3473.322   | -42.45 | -13.00    | Vertical | PASS    |
| 6    | 11450.300  | -39.13 | -13.00    | Vertical | PASS    |



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



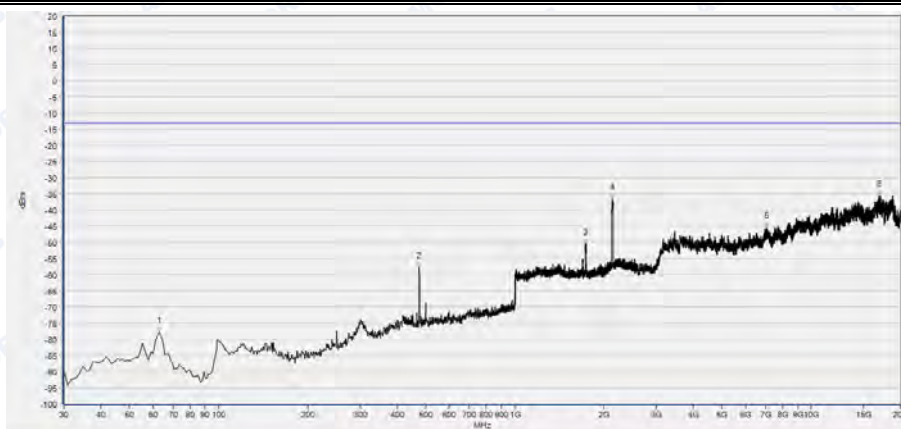
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 63.950     | -79.13 | -13.00    | Horizontal | PASS    |
| 2    | 524.700    | -54.87 | -13.00    | Horizontal | PASS    |
| 3    | 1731.813   | -50.11 | -13.00    | Horizontal | PASS    |
| 4    | 2138.375   | -36.42 | -13.00    | Horizontal | PASS    |
| 5    | 3463.830   | -41.73 | -13.00    | Horizontal | PASS    |
| 6    | 11206.656  | -38.83 | -13.00    | Horizontal | PASS    |



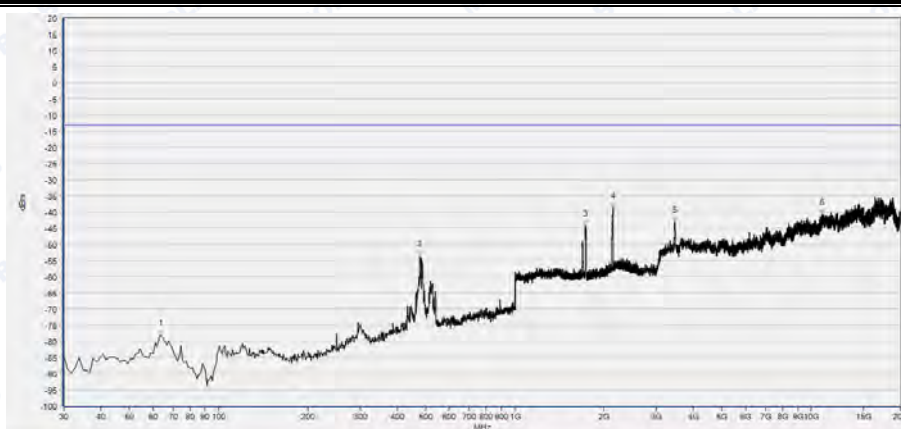
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 63.950     | -77.44 | -13.00    | Vertical | PASS    |
| 2    | 485.900    | -54.99 | -13.00    | Vertical | PASS    |
| 3    | 1731.813   | -43.69 | -13.00    | Vertical | PASS    |
| 4    | 2141.577   | -40.34 | -13.00    | Vertical | PASS    |
| 5    | 3466.994   | -41.63 | -13.00    | Vertical | PASS    |
| 6    | 11200.327  | -39.97 | -13.00    | Vertical | PASS    |



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



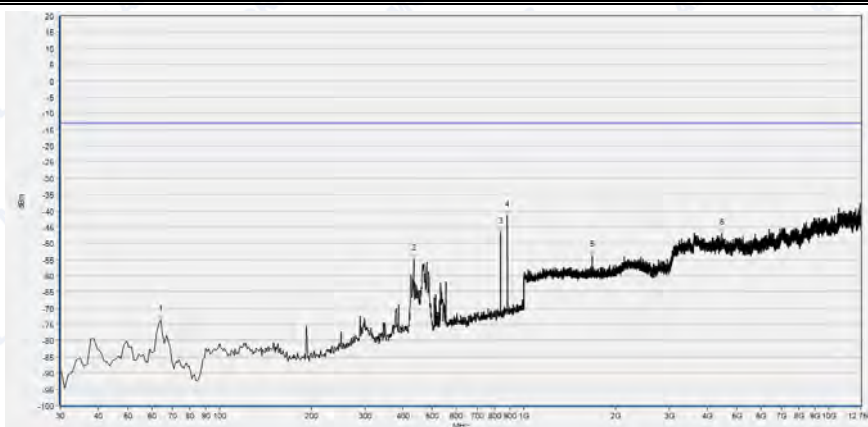
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 62.980     | -77.90 | -13.00    | Horizontal | PASS    |
| 2    | 475.230    | -57.90 | -13.00    | Horizontal | PASS    |
| 3    | 1730.532   | -50.50 | -13.00    | Horizontal | PASS    |
| 4    | 2130.692   | -36.68 | -13.00    | Horizontal | PASS    |
| 5    | 7061.538   | -45.43 | -13.00    | Horizontal | PASS    |
| 6    | 16883.252  | -35.66 | -13.00    | Horizontal | PASS    |



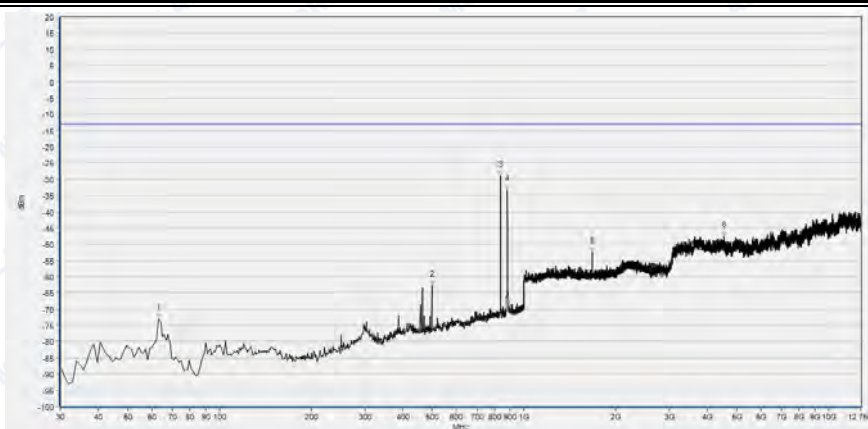
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 63.950     | -78.08 | -13.00    | Vertical | PASS    |
| 2    | 478.140    | -53.51 | -13.00    | Vertical | PASS    |
| 3    | 1731.813   | -44.24 | -13.00    | Vertical | PASS    |
| 4    | 2139.016   | -38.81 | -13.00    | Vertical | PASS    |
| 5    | 3466.994   | -43.04 | -13.00    | Vertical | PASS    |
| 6    | 10826.950  | -40.69 | -13.00    | Vertical | PASS    |



## LTE Band 5 1.4MHz BW, Mid Channel, QPSK



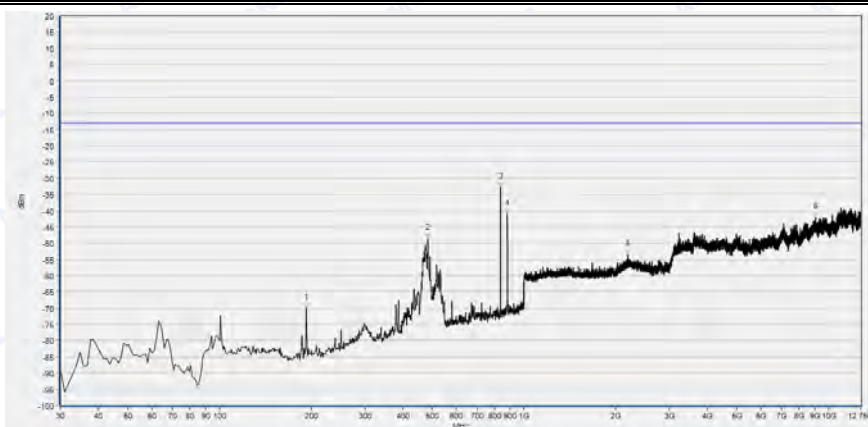
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 63.950     | -73.67 | -13.00    | Horizontal | PASS    |
| 2    | 434.490    | -54.77 | -13.00    | Horizontal | PASS    |
| 3    | 836.070    | -46.64 | -13.00    | Horizontal | PASS    |
| 4    | 881.660    | -41.36 | -13.00    | Horizontal | PASS    |
| 5    | 1672.269   | -53.74 | -13.00    | Horizontal | PASS    |
| 6    | 4469.785   | -46.99 | -13.00    | Horizontal | PASS    |



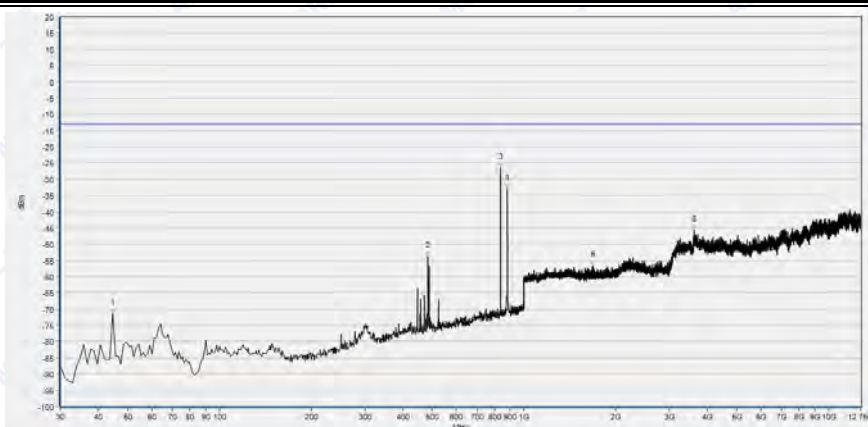
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 62.980     | -72.98 | -13.00    | Vertical | PASS    |
| 2    | 498.510    | -62.60 | -13.00    | Vertical | PASS    |
| 3    | 836.070    | -28.92 | -13.00    | Vertical | PASS    |
| 4    | 880.690    | -33.25 | -13.00    | Vertical | PASS    |
| 5    | 1672.909   | -52.29 | -13.00    | Vertical | PASS    |
| 6    | 4536.234   | -47.40 | -13.00    | Vertical | PASS    |



## LTE Band 5 1.4MHz BW, Mid Channel, 16QAM



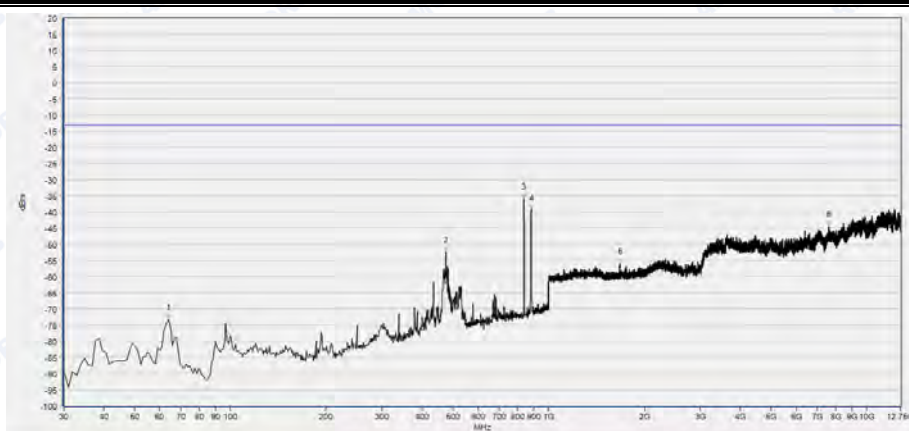
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 192.960    | -70.03 | -13.00    | Horizontal | PASS    |
| 2    | 482.990    | -48.63 | -13.00    | Horizontal | PASS    |
| 3    | 836.070    | -32.67 | -13.00    | Horizontal | PASS    |
| 4    | 881.660    | -41.10 | -13.00    | Horizontal | PASS    |
| 5    | 2188.315   | -53.59 | -13.00    | Horizontal | PASS    |
| 6    | 9067.649   | -42.05 | -13.00    | Horizontal | PASS    |



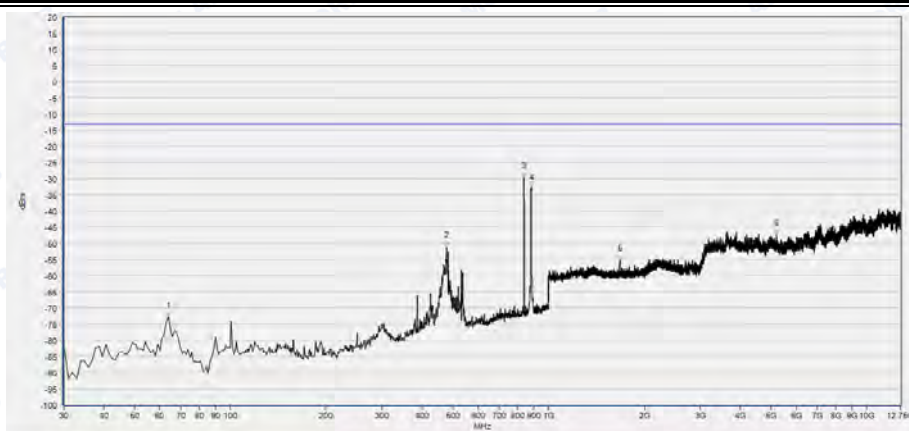
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 44.550     | -71.39 | -13.00    | Vertical | PASS    |
| 2    | 482.990    | -53.82 | -13.00    | Vertical | PASS    |
| 3    | 836.070    | -26.41 | -13.00    | Vertical | PASS    |
| 4    | 881.660    | -32.91 | -13.00    | Vertical | PASS    |
| 5    | 1685.074   | -56.59 | -13.00    | Vertical | PASS    |
| 6    | 3622.568   | -45.75 | -13.00    | Vertical | PASS    |



## LTE Band 5 3MHz BW, Mid Channel, QPSK



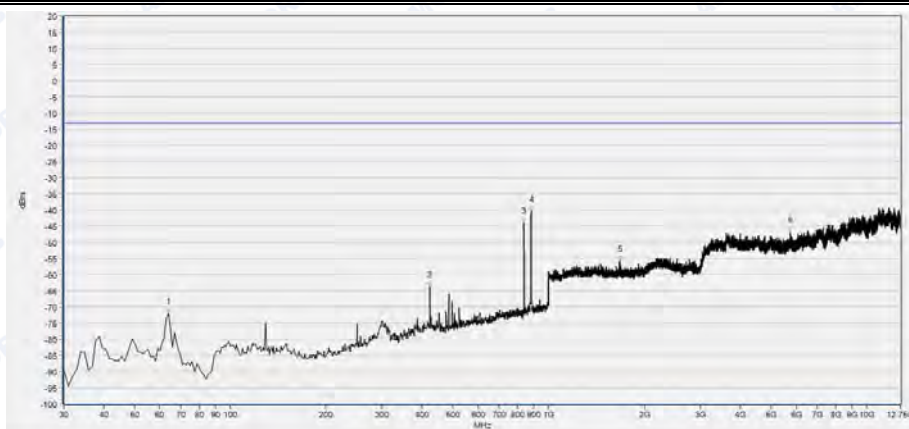
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 63.950     | -73.42 | -13.00    | Horizontal | PASS    |
| 2    | 475.230    | -52.42 | -13.00    | Horizontal | PASS    |
| 3    | 835.100    | -35.98 | -13.00    | Horizontal | PASS    |
| 4    | 881.660    | -39.16 | -13.00    | Horizontal | PASS    |
| 5    | 1672.909   | -55.94 | -13.00    | Horizontal | PASS    |
| 6    | 7587.325   | -44.56 | -13.00    | Horizontal | PASS    |



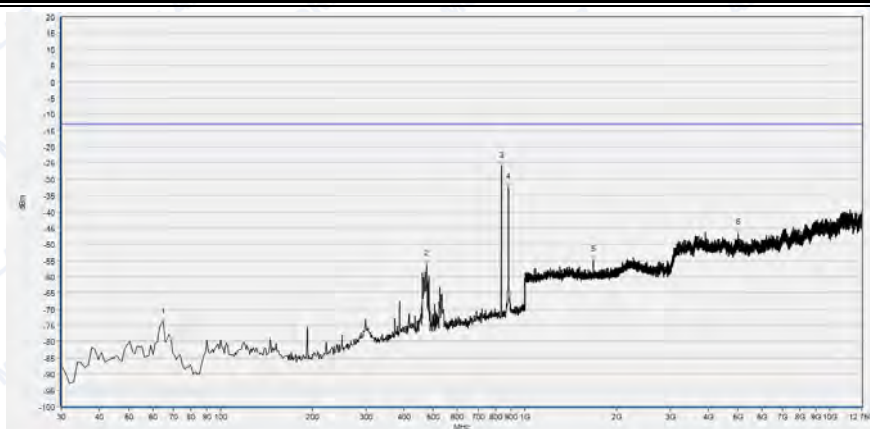
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 63.950     | -72.76 | -13.00    | Vertical | PASS    |
| 2    | 478.140    | -51.15 | -13.00    | Vertical | PASS    |
| 3    | 836.070    | -29.78 | -13.00    | Vertical | PASS    |
| 4    | 882.630    | -32.64 | -13.00    | Vertical | PASS    |
| 5    | 1673.549   | -55.23 | -13.00    | Vertical | PASS    |
| 6    | 5211.793   | -47.30 | -13.00    | Vertical | PASS    |



## LTE Band 5 3MHz BW, Mid Channel, 16QAM



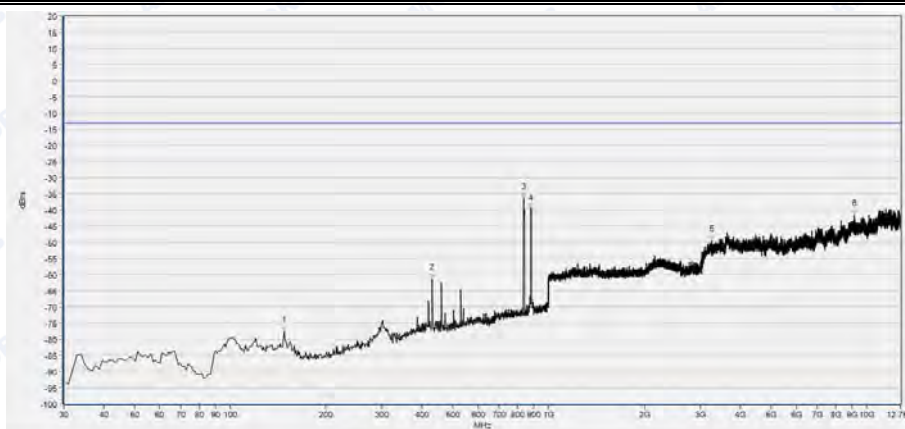
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 63.950     | -72.25 | -13.00    | Horizontal | PASS    |
| 2    | 423.820    | -63.88 | -13.00    | Horizontal | PASS    |
| 3    | 835.100    | -44.06 | -13.00    | Horizontal | PASS    |
| 4    | 881.660    | -40.49 | -13.00    | Horizontal | PASS    |
| 5    | 1672.909   | -55.66 | -13.00    | Horizontal | PASS    |
| 6    | 5737.843   | -47.01 | -13.00    | Horizontal | PASS    |



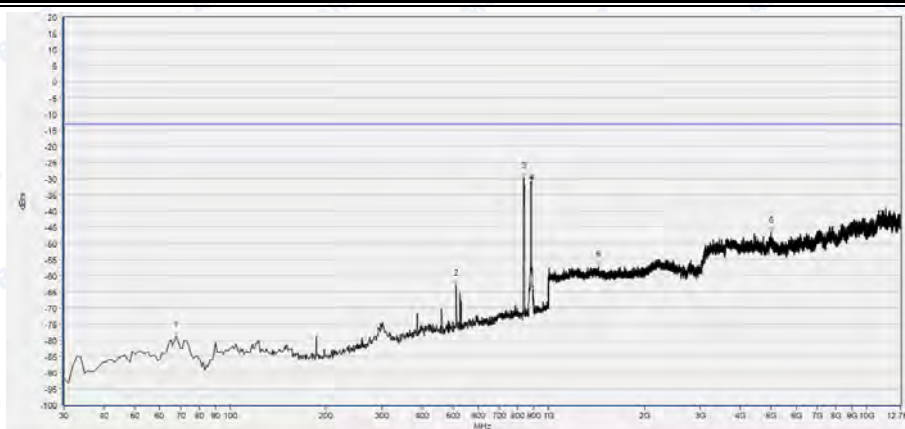
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 64.920     | -74.00 | -13.00    | Vertical | PASS    |
| 2    | 476.200    | -56.17 | -13.00    | Vertical | PASS    |
| 3    | 835.100    | -26.00 | -13.00    | Vertical | PASS    |
| 4    | 881.660    | -32.56 | -13.00    | Vertical | PASS    |
| 5    | 1671.629   | -54.86 | -13.00    | Vertical | PASS    |
| 6    | 4995.836   | -46.58 | -13.00    | Vertical | PASS    |



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



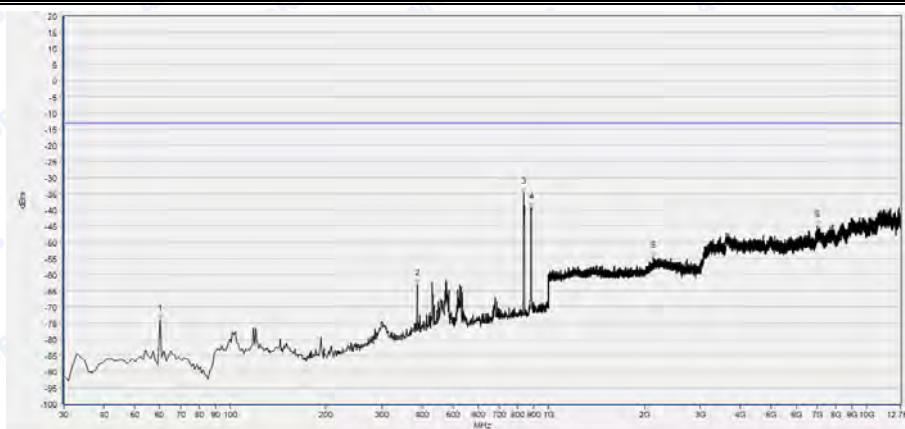
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 147.370    | -77.52 | -13.00    | Horizontal | PASS    |
| 2    | 431.580    | -61.38 | -13.00    | Horizontal | PASS    |
| 3    | 834.130    | -36.52 | -13.00    | Horizontal | PASS    |
| 4    | 880.690    | -39.55 | -13.00    | Horizontal | PASS    |
| 5    | 3255.256   | -49.58 | -13.00    | Horizontal | PASS    |
| 6    | 9108.256   | -41.71 | -13.00    | Horizontal | PASS    |



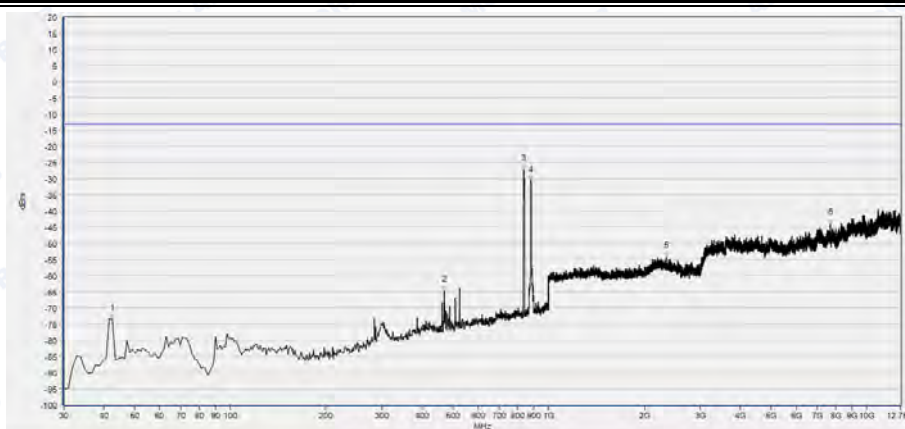
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 67.830     | -78.85 | -13.00    | Vertical | PASS    |
| 2    | 513.060    | -62.77 | -13.00    | Vertical | PASS    |
| 3    | 834.130    | -29.66 | -13.00    | Vertical | PASS    |
| 4    | 882.630    | -30.77 | -13.00    | Vertical | PASS    |
| 5    | 1431.533   | -57.06 | -13.00    | Vertical | PASS    |
| 6    | 4995.836   | -46.76 | -13.00    | Vertical | PASS    |



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



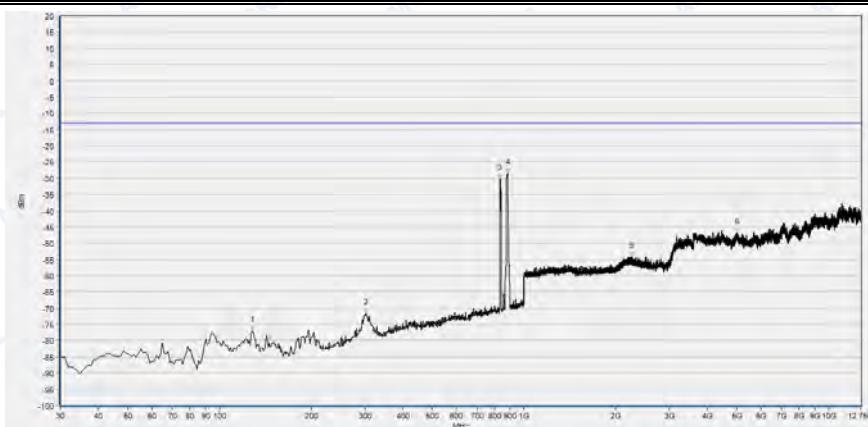
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 60.070     | -74.10 | -13.00    | Horizontal | PASS    |
| 2    | 386.960    | -63.03 | -13.00    | Horizontal | PASS    |
| 3    | 834.130    | -34.72 | -13.00    | Horizontal | PASS    |
| 4    | 883.600    | -39.45 | -13.00    | Horizontal | PASS    |
| 5    | 2131.333   | -54.63 | -13.00    | Horizontal | PASS    |
| 6    | 6981.906   | -45.06 | -13.00    | Horizontal | PASS    |



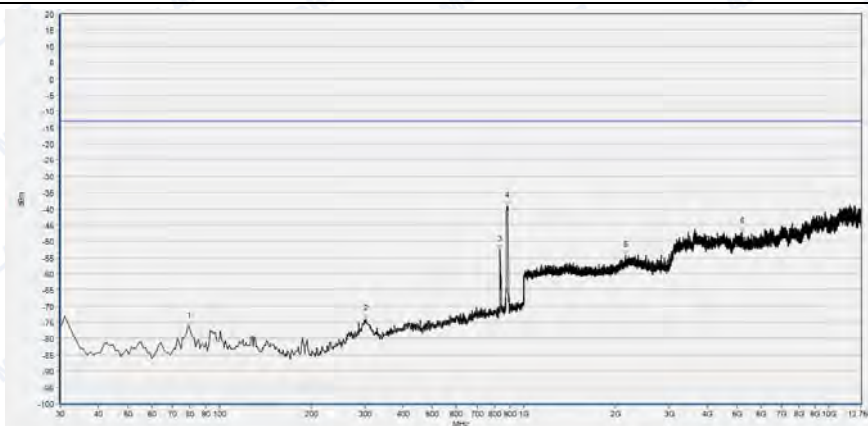
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 42.610     | -73.61 | -13.00    | Vertical | PASS    |
| 2    | 469.410    | -64.75 | -13.00    | Vertical | PASS    |
| 3    | 834.130    | -27.48 | -13.00    | Vertical | PASS    |
| 4    | 879.720    | -30.57 | -13.00    | Vertical | PASS    |
| 5    | 2338.776   | -54.20 | -13.00    | Vertical | PASS    |
| 6    | 7696.227   | -43.99 | -13.00    | Vertical | PASS    |



## LTE Band 5 10MHz BW, Mid Channel, QPSK



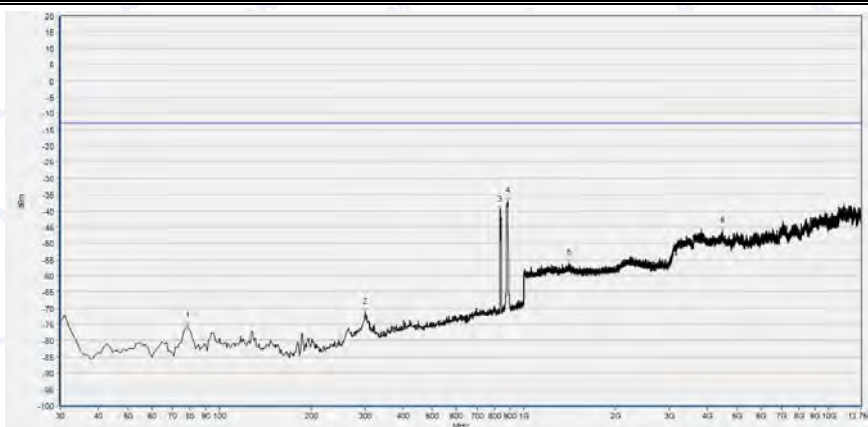
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 127.970    | -77.09 | -13.00    | Horizontal | PASS    |
| 2    | 302.570    | -71.59 | -13.00    | Horizontal | PASS    |
| 3    | 834.130    | -30.30 | -13.00    | Horizontal | PASS    |
| 4    | 884.570    | -28.51 | -13.00    | Horizontal | PASS    |
| 5    | 2254.902   | -54.28 | -13.00    | Horizontal | PASS    |
| 6    | 5001.373   | -46.85 | -13.00    | Horizontal | PASS    |



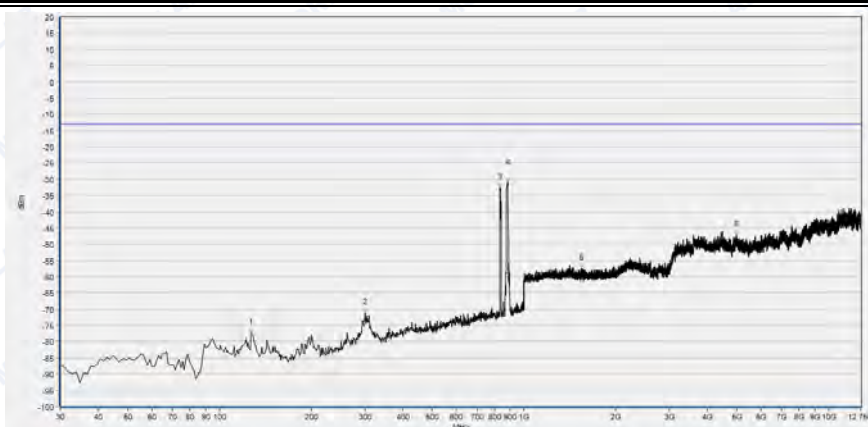
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 79.470     | -76.26 | -13.00    | Vertical | PASS    |
| 2    | 302.570    | -74.02 | -13.00    | Vertical | PASS    |
| 3    | 833.160    | -52.66 | -13.00    | Vertical | PASS    |
| 4    | 879.720    | -39.17 | -13.00    | Vertical | PASS    |
| 5    | 2150.540   | -54.48 | -13.00    | Vertical | PASS    |
| 6    | 5200.718   | -47.30 | -13.00    | Vertical | PASS    |



## LTE Band 5 10MHz BW, Mid Channel, 16QAM



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 78.500     | -75.55 | -13.00    | Horizontal | PASS    |
| 2    | 301.600    | -71.38 | -13.00    | Horizontal | PASS    |
| 3    | 833.160    | -39.82 | -13.00    | Horizontal | PASS    |
| 4    | 882.630    | -37.27 | -13.00    | Horizontal | PASS    |
| 5    | 1400.800   | -56.26 | -13.00    | Horizontal | PASS    |
| 6    | 4480.860   | -46.34 | -13.00    | Horizontal | PASS    |

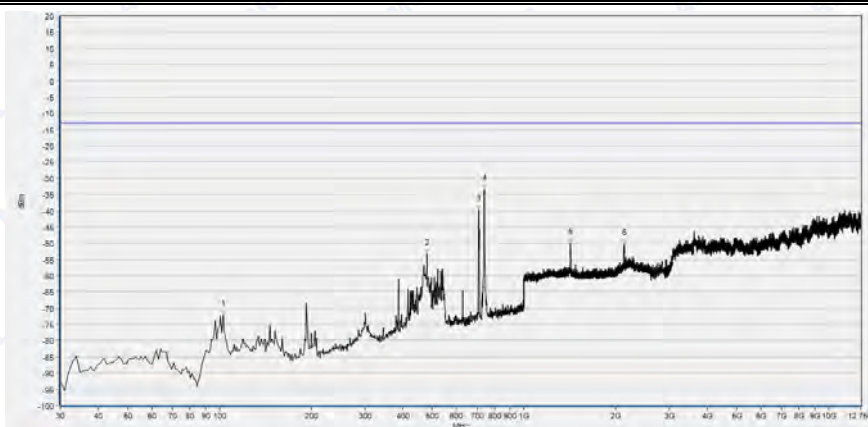


| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 127.000    | -77.38 | -13.00    | Vertical | PASS    |
| 2    | 300.630    | -71.11 | -13.00    | Vertical | PASS    |
| 3    | 832.190    | -32.44 | -13.00    | Vertical | PASS    |
| 4    | 884.570    | -31.06 | -13.00    | Vertical | PASS    |
| 5    | 1541.016   | -57.52 | -13.00    | Vertical | PASS    |
| 6    | 4971.840   | -47.30 | -13.00    | Vertical | PASS    |

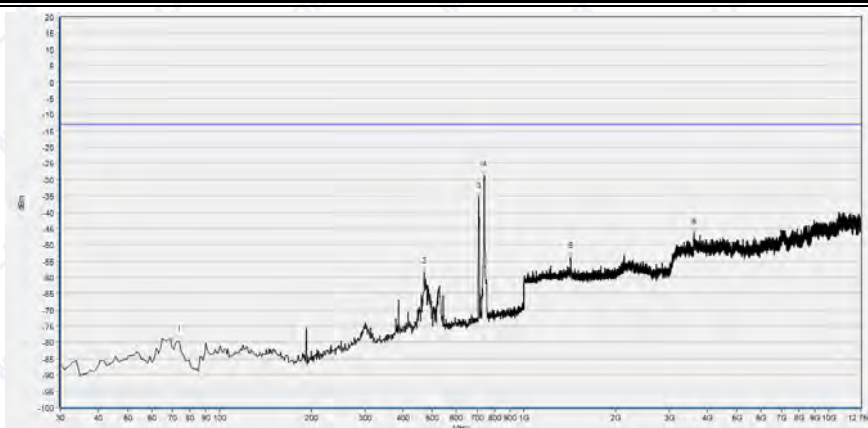


REPORT No.: SZ16050107W09

## LTE Band 17 5MHz BW, Mid Channel, QPSK



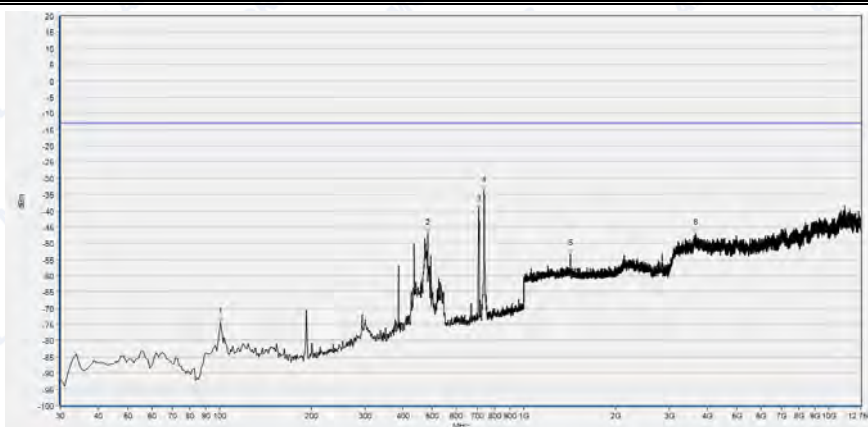
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 102.750    | -72.11 | -13.00    | Horizontal | PASS    |
| 2    | 480.080    | -53.20 | -13.00    | Horizontal | PASS    |
| 3    | 708.030    | -39.76 | -13.00    | Horizontal | PASS    |
| 4    | 741.010    | -33.45 | -13.00    | Horizontal | PASS    |
| 5    | 1421.929   | -50.03 | -13.00    | Horizontal | PASS    |
| 6    | 2134.534   | -50.16 | -13.00    | Horizontal | PASS    |



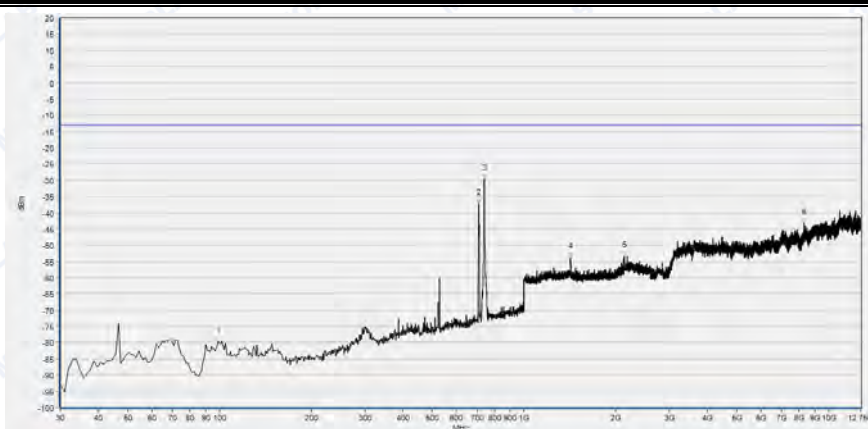
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 73.650     | -79.32 | -13.00    | Vertical | PASS    |
| 2    | 469.410    | -58.53 | -13.00    | Vertical | PASS    |
| 3    | 709.000    | -35.50 | -13.00    | Vertical | PASS    |
| 4    | 741.980    | -28.64 | -13.00    | Vertical | PASS    |
| 5    | 1421.929   | -53.77 | -13.00    | Vertical | PASS    |
| 6    | 3607.801   | -46.26 | -13.00    | Vertical | PASS    |



## LTE Band 17 5MHz BW, Mid Channel, 16QAM



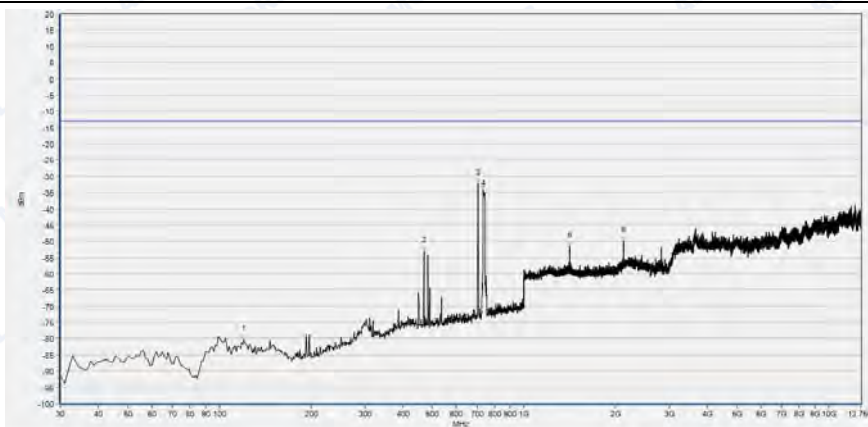
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 100.810    | -74.39 | -13.00    | Horizontal | PASS    |
| 2    | 482.990    | -47.11 | -13.00    | Horizontal | PASS    |
| 3    | 709.000    | -39.70 | -13.00    | Horizontal | PASS    |
| 4    | 738.100    | -33.83 | -13.00    | Horizontal | PASS    |
| 5    | 1420.008   | -53.21 | -13.00    | Horizontal | PASS    |
| 6    | 3659.484   | -47.00 | -13.00    | Horizontal | PASS    |



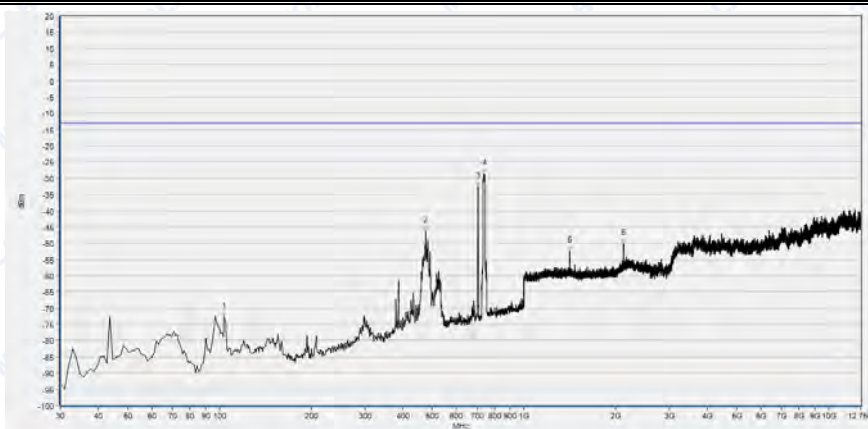
| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 98.870     | -79.76 | -13.00    | Vertical | PASS    |
| 2    | 708.030    | -37.24 | -13.00    | Vertical | PASS    |
| 3    | 741.010    | -29.51 | -13.00    | Vertical | PASS    |
| 4    | 1419.368   | -53.77 | -13.00    | Vertical | PASS    |
| 5    | 2130.692   | -53.33 | -13.00    | Vertical | PASS    |
| 6    | 8316.412   | -43.25 | -13.00    | Vertical | PASS    |



## LTE Band 17 10MHz BW, Mid Channel, QPSK



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 120.210    | -80.26 | -13.00    | Horizontal | PASS    |
| 2    | 468.440    | -52.99 | -13.00    | Horizontal | PASS    |
| 3    | 705.120    | -32.36 | -13.00    | Horizontal | PASS    |
| 4    | 735.190    | -34.36 | -13.00    | Horizontal | PASS    |
| 5    | 1411.044   | -51.54 | -13.00    | Horizontal | PASS    |
| 6    | 2117.247   | -50.04 | -13.00    | Horizontal | PASS    |

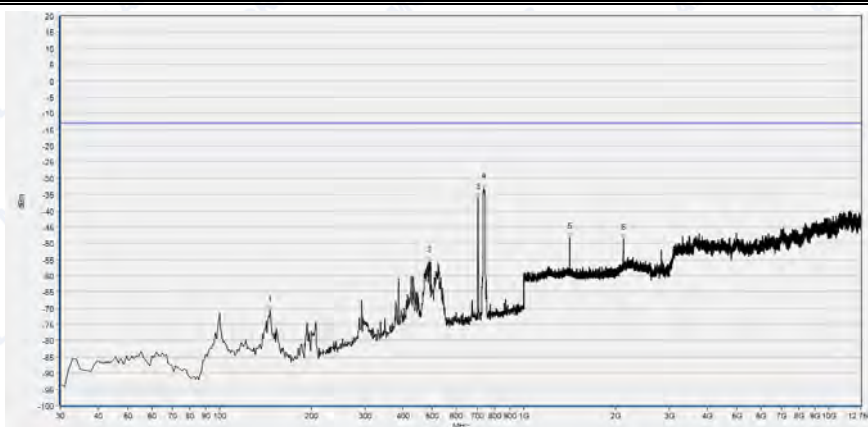


| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 103.720    | -72.67 | -13.00    | Vertical | PASS    |
| 2    | 475.230    | -46.29 | -13.00    | Vertical | PASS    |
| 3    | 705.120    | -32.53 | -13.00    | Vertical | PASS    |
| 4    | 741.010    | -28.69 | -13.00    | Vertical | PASS    |
| 5    | 1412.965   | -52.45 | -13.00    | Vertical | PASS    |
| 6    | 2117.247   | -50.26 | -13.00    | Vertical | PASS    |

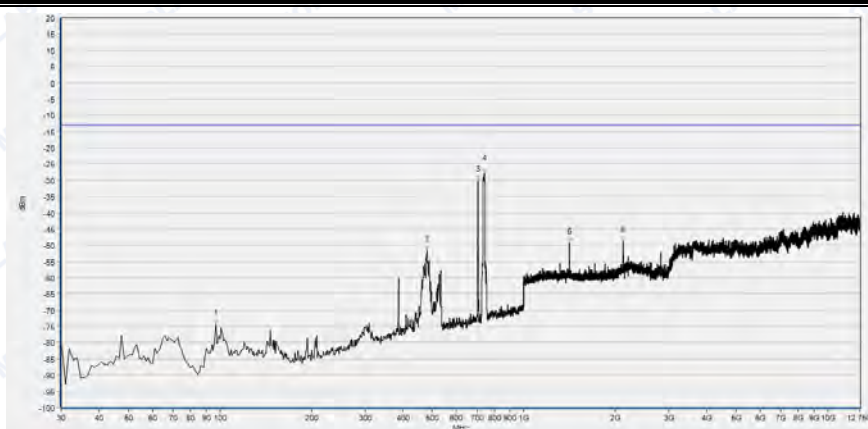


REPORT No.: SZ16050107W09

## LTE Band 17 10MHz BW, Mid Channel, 16QAM



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna    | Verdict |
|------|------------|--------|-----------|------------|---------|
| 1    | 146.400    | -70.63 | -13.00    | Horizontal | PASS    |
| 2    | 487.840    | -55.47 | -13.00    | Horizontal | PASS    |
| 3    | 705.120    | -36.08 | -13.00    | Horizontal | PASS    |
| 4    | 738.100    | -33.16 | -13.00    | Horizontal | PASS    |
| 5    | 1411.044   | -48.16 | -13.00    | Horizontal | PASS    |
| 6    | 2116.607   | -48.66 | -13.00    | Horizontal | PASS    |



| Num. | Fre. (MHz) | Peak   | Limit(PK) | Antenna  | Verdict |
|------|------------|--------|-----------|----------|---------|
| 1    | 96.930     | -74.41 | -13.00    | Vertical | PASS    |
| 2    | 480.080    | -51.55 | -13.00    | Vertical | PASS    |
| 3    | 705.120    | -30.00 | -13.00    | Vertical | PASS    |
| 4    | 740.040    | -27.93 | -13.00    | Vertical | PASS    |
| 5    | 1412.965   | -55.35 | -13.00    | Vertical | PASS    |
| 6    | 2117.247   | -51.92 | -13.00    | Vertical | PASS    |

\*\*\*\*\* END OF REPORT \*\*\*\*\*