

|        |       |      |        |         |    |     |        |           |      |      |
|--------|-------|------|--------|---------|----|-----|--------|-----------|------|------|
| Band66 | 10MHz | QPSK | 132322 | 50RB#0  | NV | 30  | -11.47 | -0.006573 | ±2.5 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 50RB#0  | NV | 40  | -6.37  | -0.003650 | ±2.5 | PASS |
| Band66 | 10MHz | QPSK | 132322 | 50RB#0  | NV | 50  | -7.62  | -0.004367 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | -30 | -16.49 | -0.009450 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | -20 | -16.28 | -0.009330 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | -10 | -7.82  | -0.004481 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | 0   | -10.67 | -0.006115 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | 10  | -11.19 | -0.006413 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | 20  | -12.26 | -0.007026 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | 30  | -12.56 | -0.007198 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | 40  | -8.84  | -0.005066 | ±2.5 | PASS |
| Band66 | 15MHz | QPSK | 132322 | 75RB#0  | NV | 50  | -12.53 | -0.007181 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | -30 | -9.18  | -0.005261 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | -20 | -9.87  | -0.005656 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | -10 | -6.92  | -0.003966 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 0   | -8.64  | -0.004951 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 10  | -14.71 | -0.008430 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 20  | -12.40 | -0.007106 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 30  | -13.02 | -0.007461 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 40  | -11.93 | -0.006837 | ±2.5 | PASS |
| Band66 | 20MHz | QPSK | 132322 | 100RB#0 | NV | 50  | -8.13  | -0.004659 | ±2.5 | PASS |

## 9. RADIATED SPURIOUS EMISSIONS

### RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53

### LIMIT

Part §22.917(a), §24.238(a), §27.53(h)

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.

**TEST PROCEDURE****KDB 971168 D01 Section 7**

Below 1GHz test procedure as below:

1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Calculate power in dBm by the following formula:  
$$\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

Where:

Pd is the dipole equivalent power, Pg is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to Pg [dBm] – cable loss [dB]. The calculated Pd levels are then compared to the absolute spurious emission limit of -13 dBm which is equivalent to the required minimum attenuation of  $43 + 10\log_{10}(\text{Power [Watts]})$ .

Above 1GHz test procedure as below:

1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Calculate power in dBm by the following formula:  
$$\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$
$$\text{EIRP} = \text{ERP} + 2.15\text{dB}$$

Where: Pg is the generator output power into the substitution antenna.

11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.  
The limit line is derived from  $43 + 10\log(P)\text{dB}$  below the transmitter power P(Watts)  
$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$
$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$
$$= -13\text{dBm}.$$

NOTE 1: Radiated spurious emissions were investigated below 30 MHz, 30 MHz – 1 GHz and above 1 GHz. There were no emissions found on below 30 MHz and 30 MHz – 1 GHz.

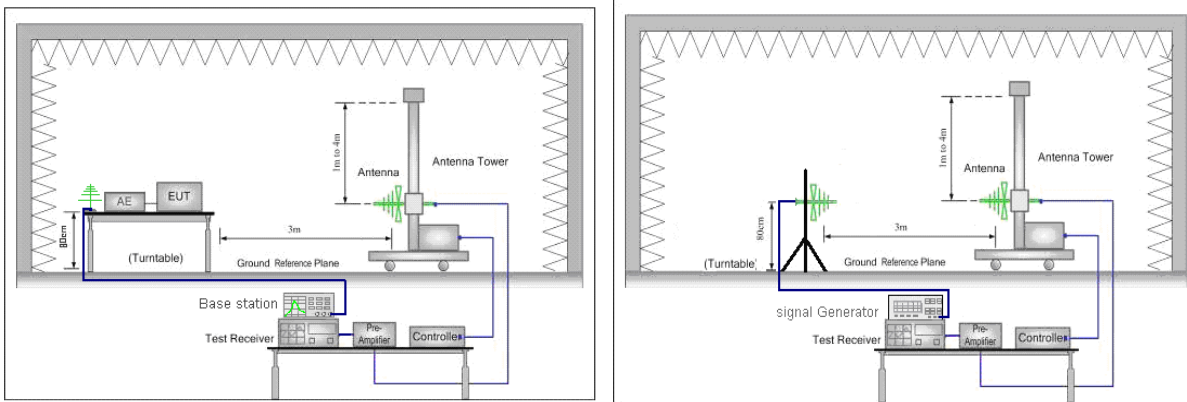
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site.

Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

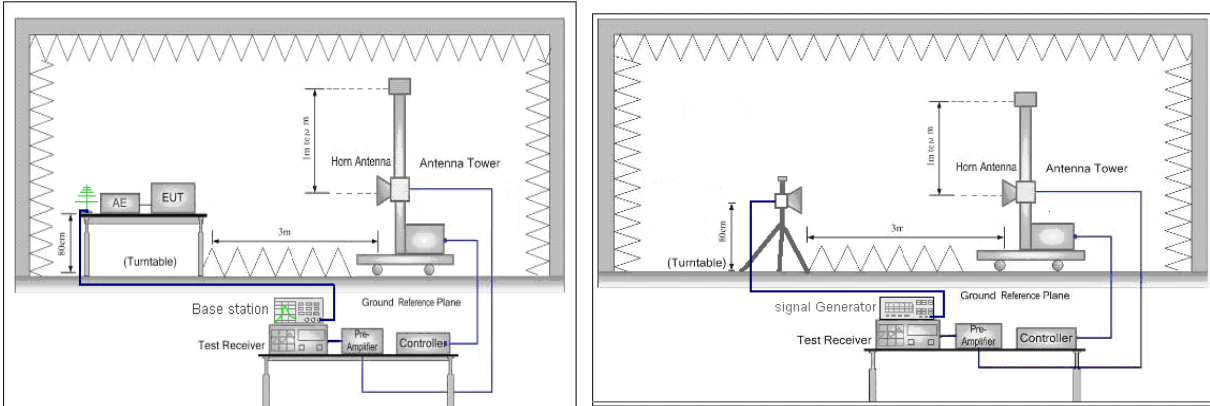
NOTE 2: Please refer to section 5 for bandwidth and RB setting about LTE bands.

## TEST SETUP

### Test Setup for Below 1 GHz



### Test Setup for Above 1 GHz



## TEST ENVIRONMENT

|                     |        |                   |          |
|---------------------|--------|-------------------|----------|
| Temperature         | 22.9°C | Relative Humidity | 68.3%    |
| Atmosphere Pressure | 101kPa | Test Voltage      | DC 7.2 V |

## RESULTS

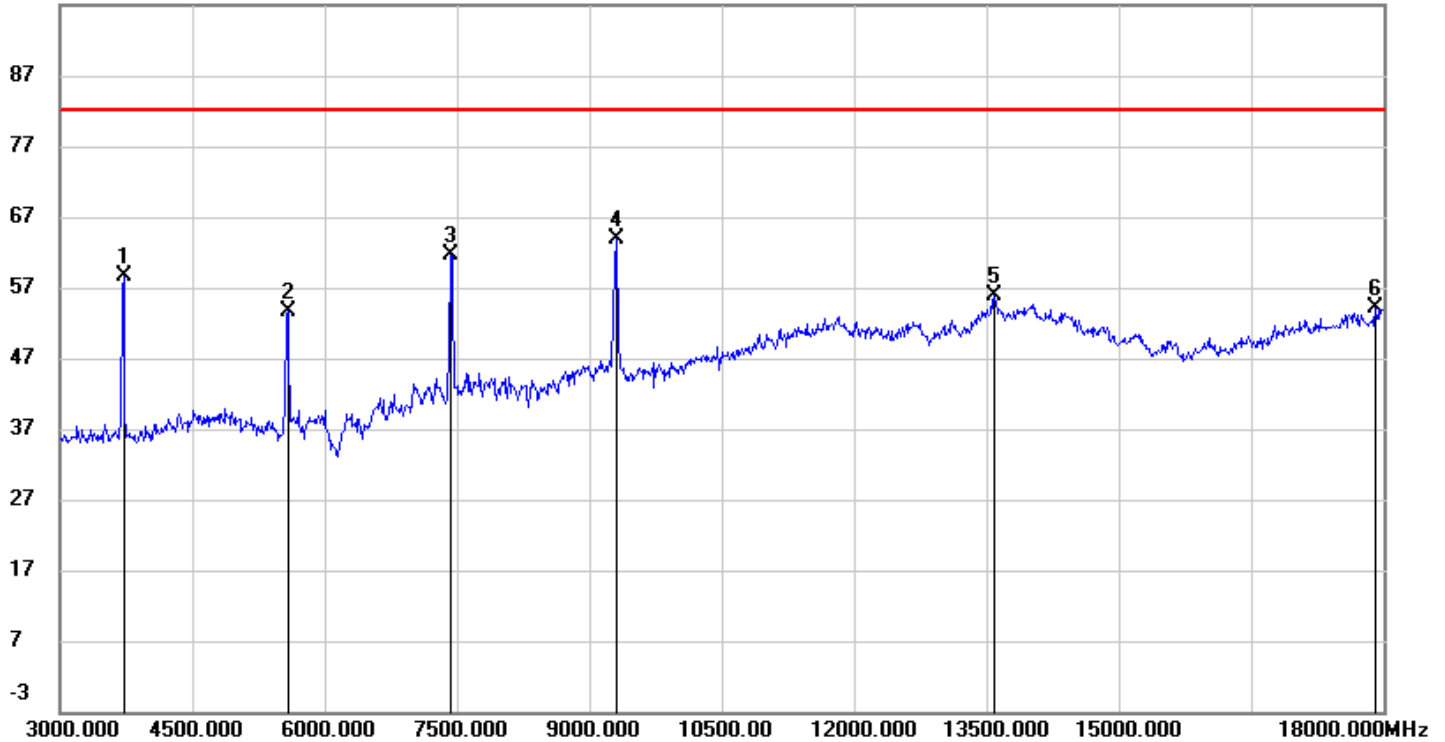
### LTE Band 2

#### QPSK-20 MHz-Low Channel- Horizontal

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3720.000        | 58.46          | -4.45          | 54.01           | 82.25          | -28.24      | peak   |
| 2   | 5565.000        | 52.57          | 1.04           | 53.61           | 82.25          | -28.64      | peak   |
| 3   | 7440.000        | 51.14          | 6.38           | 57.52           | 82.25          | -24.73      | peak   |
| 4   | 9315.000        | 51.97          | 10.61          | 62.58           | 82.25          | -19.67      | peak   |
| 5   | 13965.000       | 33.00          | 21.89          | 54.89           | 82.25          | -27.36      | peak   |
| 6   | 17685.000       | 30.30          | 23.82          | 54.12           | 82.25          | -28.13      | peak   |

#### QPSK-20 MHz-Low Channel-Vertical

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3720.000        | 62.98          | -4.45          | 58.53           | 82.25          | -23.72      | peak   |
| 2   | 5580.000        | 52.50          | 1.08           | 53.58           | 82.25          | -28.67      | peak   |
| 3   | 7425.000        | 55.30          | 6.39           | 61.69           | 82.25          | -20.56      | peak   |
| 4   | 9315.000        | 53.26          | 10.61          | 63.87           | 82.25          | -18.38      | peak   |
| 5   | 13590.000       | 34.79          | 21.09          | 55.88           | 82.25          | -26.37      | peak   |
| 6   | 17910.000       | 28.92          | 25.16          | 54.08           | 82.25          | -28.17      | peak   |

#### QPSK-20 MHz-Mid Channel- Horizontal

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3750.000        | 55.63          | -4.38          | 51.25           | 82.25          | -31.00      | peak   |
| 2   | 5640.000        | 47.47          | 1.24           | 48.71           | 82.25          | -33.54      | peak   |
| 3   | 7515.000        | 47.98          | 6.33           | 54.31           | 82.25          | -27.94      | peak   |
| 4   | 9390.000        | 50.46          | 10.64          | 61.10           | 82.25          | -21.15      | peak   |
| 5   | 13980.000       | 33.25          | 21.92          | 55.17           | 82.25          | -27.08      | peak   |
| 6   | 17655.000       | 29.41          | 23.64          | 53.05           | 82.25          | -29.20      | peak   |

## QPSK-20 MHz- Mid Channel-Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3750.000           | 60.30             | -4.38             | 55.92              | 82.25             | -26.33         | peak   |
| 2   | 5640.000           | 52.21             | 1.24              | 53.45              | 82.25             | -28.80         | peak   |
| 3   | 7515.000           | 53.17             | 6.33              | 59.50              | 82.25             | -22.75         | peak   |
| 4   | 9405.000           | 50.04             | 10.66             | 60.70              | 82.25             | -21.55         | peak   |
| 5   | 13860.000          | 33.91             | 21.67             | 55.58              | 82.25             | -26.67         | peak   |
| 6   | 17985.000          | 28.87             | 25.60             | 54.47              | 82.25             | -27.78         | peak   |

## QPSK-20 MHz-High Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3795.000           | 57.50             | -4.28             | 53.22              | 82.25             | -29.03         | peak   |
| 2   | 5700.000           | 48.56             | 1.41              | 49.97              | 82.25             | -32.28         | peak   |
| 3   | 7590.000           | 50.23             | 6.32              | 56.55              | 82.25             | -25.70         | peak   |
| 4   | 9510.000           | 52.56             | 10.72             | 63.28              | 82.25             | -18.97         | peak   |
| 5   | 13920.000          | 33.46             | 21.79             | 55.25              | 82.25             | -27.00         | peak   |
| 6   | 17685.000          | 30.17             | 23.82             | 53.99              | 82.25             | -28.26         | peak   |

## QPSK-20 MHz- High Channel-Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3795.000           | 62.96             | -4.28             | 58.68              | 82.25             | -23.57         | peak   |
| 2   | 5685.000           | 53.28             | 1.37              | 54.65              | 82.25             | -27.60         | peak   |
| 3   | 7590.000           | 54.83             | 6.32              | 61.15              | 82.25             | -21.10         | peak   |
| 4   | 9480.000           | 52.53             | 10.68             | 63.21              | 82.25             | -19.04         | peak   |
| 5   | 13620.000          | 34.36             | 21.15             | 55.51              | 82.25             | -26.74         | peak   |
| 6   | 18000.000          | 28.35             | 25.69             | 54.04              | 82.25             | -28.21         | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

**LTE Band 4**
**QPSK-20 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3435.000           | 60.40             | -4.99             | 55.41              | 82.25             | -26.84         | peak   |
| 2   | 5160.000           | 51.31             | 0.58              | 51.89              | 82.25             | -30.36         | peak   |
| 3   | 6870.000           | 51.85             | 6.05              | 57.90              | 82.25             | -24.35         | peak   |
| 4   | 8610.000           | 55.66             | 7.64              | 63.30              | 82.25             | -18.95         | peak   |
| 5   | 10320.000          | 47.29             | 12.64             | 59.93              | 82.25             | -22.32         | peak   |
| 6   | 14010.000          | 32.97             | 21.93             | 54.90              | 82.25             | -27.35         | peak   |

**QPSK-20 MHz-Low Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3435.000           | 59.71             | -4.99             | 54.72              | 82.25             | -27.53         | peak   |
| 2   | 5160.000           | 52.18             | 0.58              | 52.76              | 82.25             | -29.49         | peak   |
| 3   | 6870.000           | 54.35             | 6.05              | 60.40              | 82.25             | -21.85         | peak   |
| 4   | 8595.000           | 57.73             | 7.52              | 65.25              | 82.25             | -17.00         | peak   |
| 5   | 10320.000          | 47.43             | 12.64             | 60.07              | 82.25             | -22.18         | peak   |
| 6   | 17235.000          | 32.84             | 21.76             | 54.60              | 82.25             | -27.65         | peak   |

**QPSK-20 MHz-Mid Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3465.000           | 59.64             | -4.98             | 54.66              | 82.25             | -27.59         | peak   |
| 2   | 5190.000           | 49.27             | 0.60              | 49.87              | 82.25             | -32.38         | peak   |
| 3   | 6930.000           | 50.68             | 6.34              | 57.02              | 82.25             | -25.23         | peak   |
| 4   | 8655.000           | 53.76             | 7.97              | 61.73              | 82.25             | -20.52         | peak   |
| 5   | 10395.000          | 44.84             | 12.78             | 57.62              | 82.25             | -24.63         | peak   |
| 6   | 13650.000          | 34.30             | 21.21             | 55.51              | 82.25             | -26.74         | peak   |

**QPSK-20 MHz-Mid Channel- Vertical**

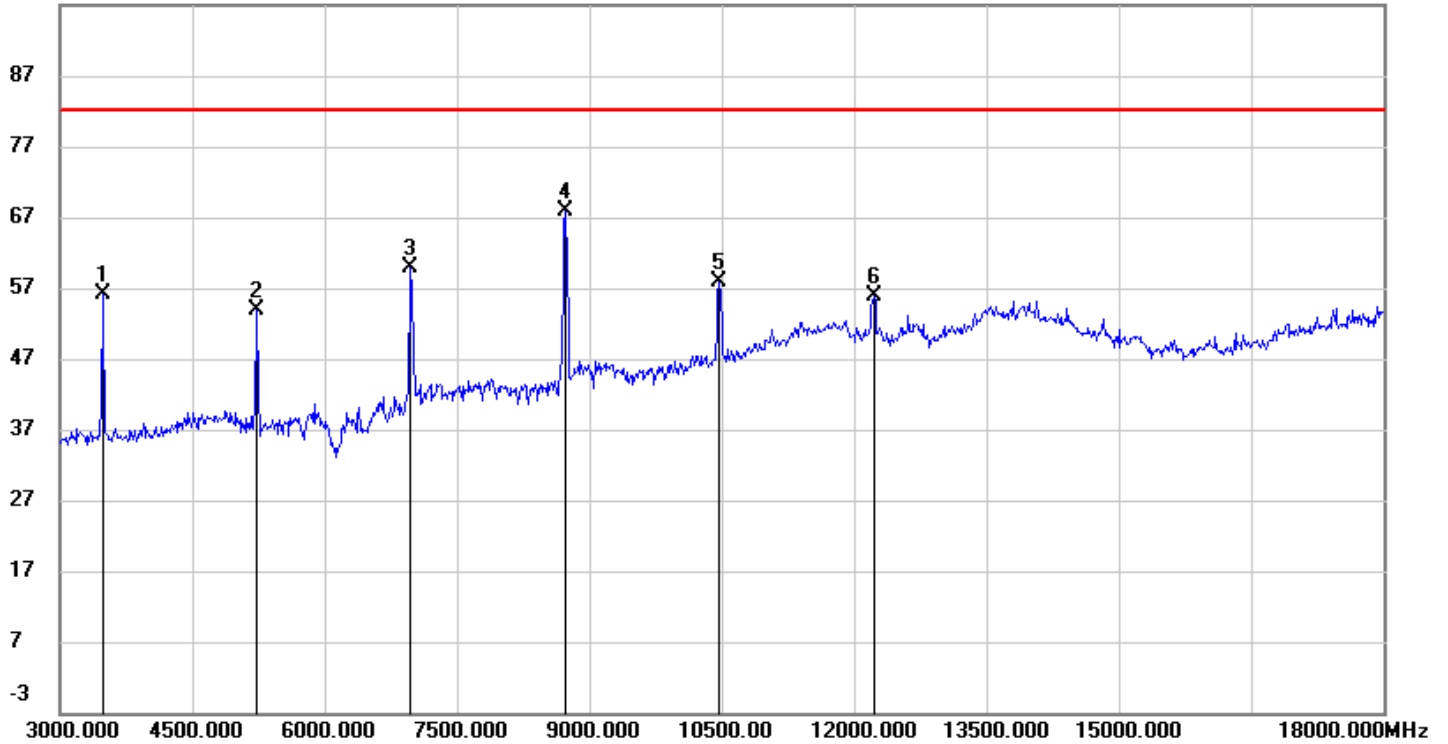
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3465.000           | 58.59             | -4.98             | 53.61              | 82.25             | -28.64         | peak   |
| 2   | 5205.000           | 52.86             | 0.61              | 53.47              | 82.25             | -28.78         | peak   |
| 3   | 6930.000           | 54.47             | 6.34              | 60.81              | 82.25             | -21.44         | peak   |
| 4   | 8655.000           | 56.77             | 7.97              | 64.74              | 82.25             | -17.51         | peak   |
| 5   | 10395.000          | 44.94             | 12.78             | 57.72              | 82.25             | -24.53         | peak   |
| 6   | 12120.000          | 36.98             | 17.87             | 54.85              | 82.25             | -27.40         | peak   |

**QPSK-20 MHz-High Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3480.000           | 62.73             | -4.97             | 57.76              | 82.25             | -24.49         | peak   |
| 2   | 5235.000           | 48.46             | 0.63              | 49.09              | 82.25             | -33.16         | peak   |
| 3   | 6975.000           | 50.04             | 6.57              | 56.61              | 82.25             | -25.64         | peak   |
| 4   | 8730.000           | 56.74             | 8.52              | 65.26              | 82.25             | -16.99         | peak   |
| 5   | 10470.000          | 45.74             | 12.93             | 58.67              | 82.25             | -23.58         | peak   |
| 6   | 13920.000          | 34.04             | 21.79             | 55.83              | 82.25             | -26.42         | peak   |

## QPSK-20 MHz-High Channel- Vertical

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3480.000        | 61.12          | -4.97          | 56.15           | 82.25          | -26.10      | peak   |
| 2   | 5235.000        | 53.29          | 0.63           | 53.92           | 82.25          | -28.33      | peak   |
| 3   | 6975.000        | 53.23          | 6.57           | 59.80           | 82.25          | -22.45      | peak   |
| 4   | 8730.000        | 59.46          | 8.52           | 67.98           | 82.25          | -14.27      | peak   |
| 5   | 10470.000       | 44.99          | 12.93          | 57.92           | 82.25          | -24.33      | peak   |
| 6   | 12225.000       | 38.17          | 17.79          | 55.96           | 82.25          | -26.29      | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

**LTE Band 5**
**QPSK-10 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1657.000           | 56.59             | -12.19            | 44.40              | 82.25             | -37.85         | peak   |
| 2   | 2476.000           | 50.43             | -8.61             | 41.82              | 82.25             | -40.43         | peak   |
| 3   | 3313.000           | 46.33             | -6.27             | 40.06              | 82.25             | -42.19         | peak   |
| 4   | 4132.000           | 44.91             | -3.87             | 41.04              | 82.25             | -41.21         | peak   |
| 5   | 7012.000           | 36.55             | 6.18              | 42.73              | 82.25             | -39.52         | peak   |
| 6   | 9271.000           | 37.07             | 9.84              | 46.91              | 82.25             | -35.34         | peak   |

**QPSK-20 MHz-Low Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1657.000           | 55.08             | -12.19            | 42.89              | 82.25             | -39.36         | peak   |
| 2   | 2476.000           | 54.21             | -8.61             | 45.60              | 82.25             | -36.65         | peak   |
| 3   | 4141.000           | 46.52             | -3.82             | 42.70              | 82.25             | -39.55         | peak   |
| 4   | 4960.000           | 45.48             | -0.32             | 45.16              | 82.25             | -37.09         | peak   |
| 5   | 7894.000           | 38.48             | 5.66              | 44.14              | 82.25             | -38.11         | peak   |
| 6   | 8938.000           | 36.70             | 9.31              | 46.01              | 82.25             | -36.24         | peak   |

**QPSK-10 MHz-Mid Channel- Horizontal**

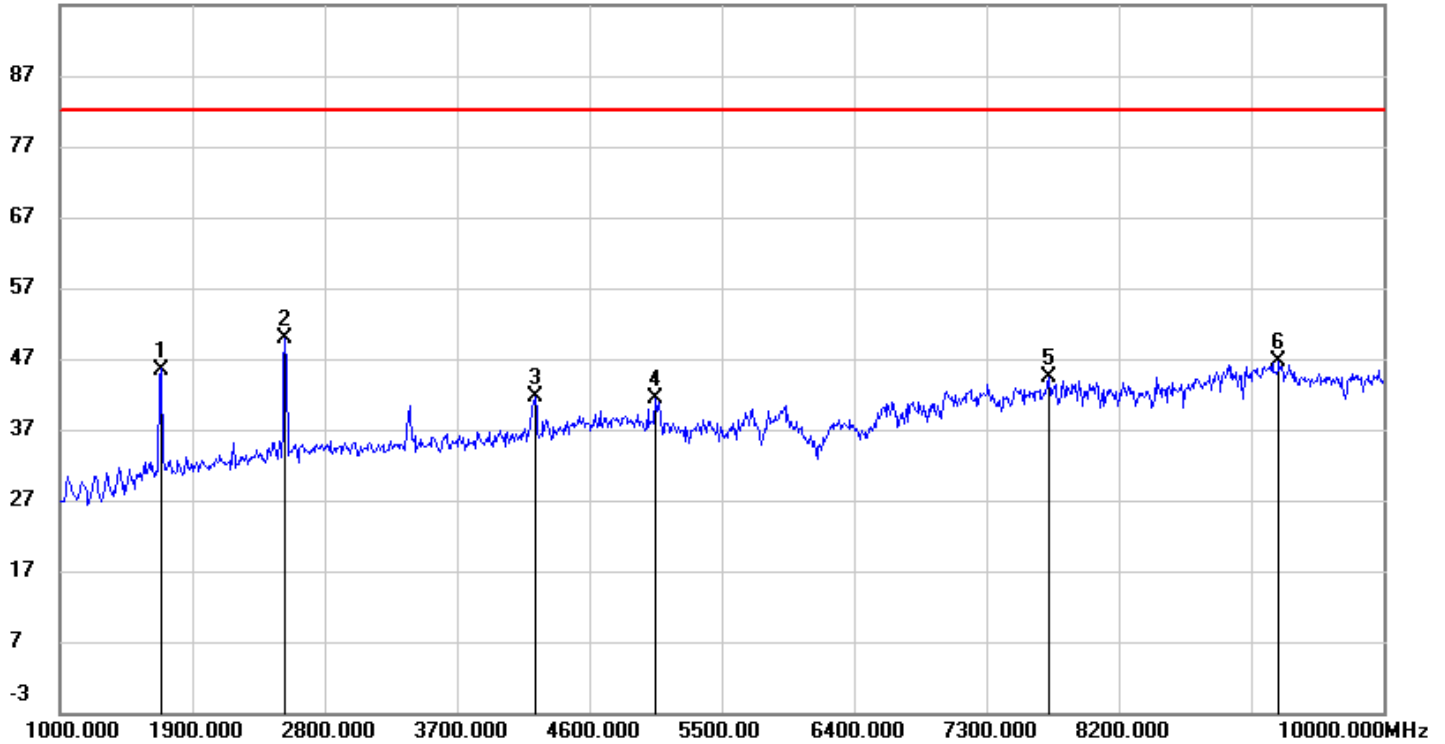
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1666.000           | 57.86             | -12.16            | 45.70              | 82.25             | -36.55         | peak   |
| 2   | 2512.000           | 51.47             | -8.45             | 43.02              | 82.25             | -39.23         | peak   |
| 3   | 3349.000           | 46.25             | -6.19             | 40.06              | 82.25             | -42.19         | peak   |
| 4   | 4195.000           | 44.46             | -3.56             | 40.90              | 82.25             | -41.35         | peak   |
| 5   | 5014.000           | 43.08             | -0.13             | 42.95              | 82.25             | -39.30         | peak   |
| 6   | 9208.000           | 38.37             | 9.82              | 48.19              | 82.25             | -34.06         | peak   |

**QPSK-10 MHz-Mid Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1666.000           | 53.24             | -12.16            | 41.08              | 82.25             | -41.17         | peak   |
| 2   | 2512.000           | 53.54             | -8.45             | 45.09              | 82.25             | -37.16         | peak   |
| 3   | 3340.000           | 49.69             | -6.22             | 43.47              | 82.25             | -38.78         | peak   |
| 4   | 4195.000           | 48.09             | -3.56             | 44.53              | 82.25             | -37.72         | peak   |
| 5   | 5023.000           | 47.53             | -0.12             | 47.41              | 82.25             | -34.84         | peak   |
| 6   | 9208.000           | 37.78             | 9.82              | 47.60              | 82.25             | -34.65         | peak   |

### QPSK-10 MHz-High Channel- Horizontal

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1693.000        | 57.58          | -12.08         | 45.50           | 82.25          | -36.75      | peak   |
| 2   | 2530.000        | 58.27          | -8.40          | 49.87           | 82.25          | -32.38      | peak   |
| 3   | 4231.000        | 45.12          | -3.40          | 41.72           | 82.25          | -40.53      | peak   |
| 4   | 5050.000        | 41.41          | -0.09          | 41.32           | 82.25          | -40.93      | peak   |
| 5   | 7723.000        | 38.78          | 5.67           | 44.45           | 82.25          | -37.80      | peak   |
| 6   | 9289.000        | 36.71          | 9.85           | 46.56           | 82.25          | -35.69      | peak   |

### QPSK-10 MHz-High Channel- Vertical

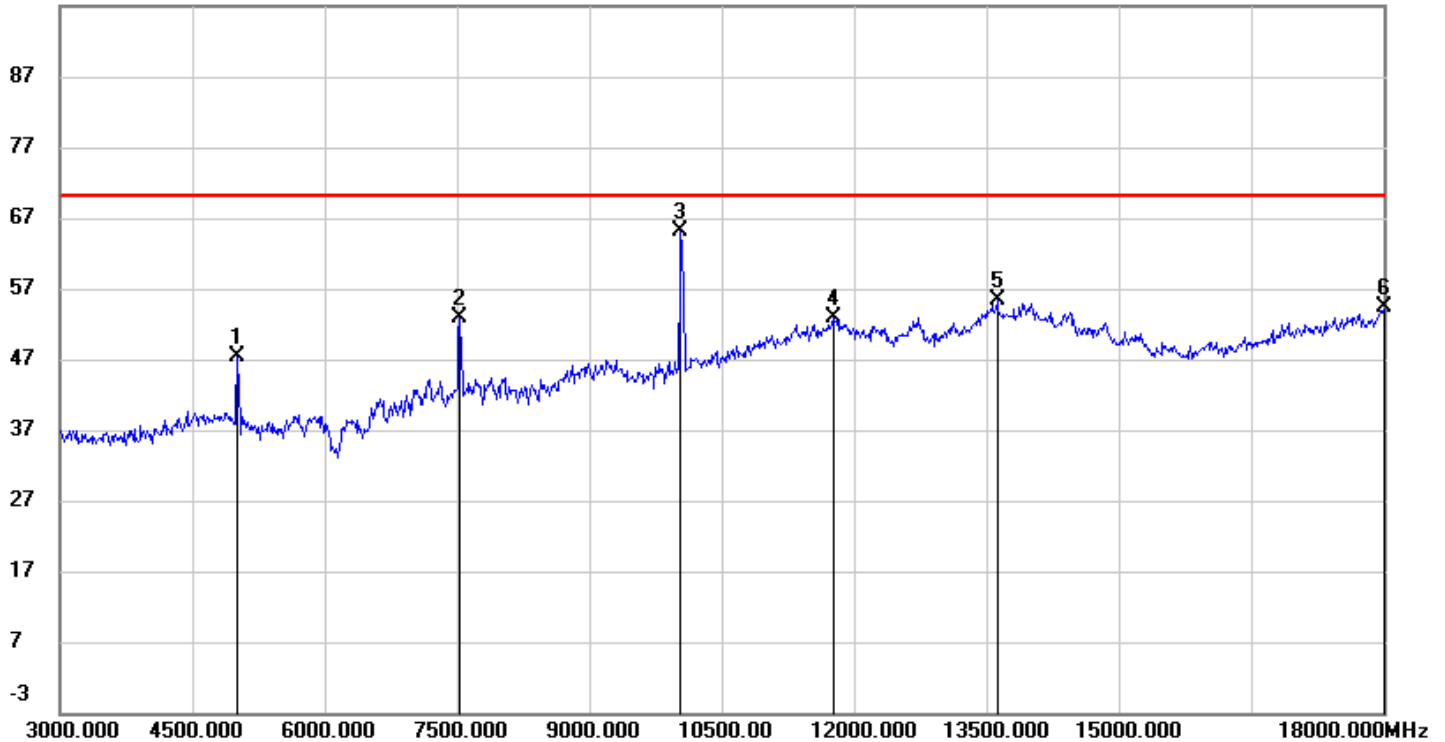
| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1684.000        | 53.69          | -12.10         | 41.59           | 82.25          | -40.66      | peak   |
| 2   | 2530.000        | 57.23          | -8.40          | 48.83           | 82.25          | -33.42      | peak   |
| 3   | 3385.000        | 50.24          | -6.11          | 44.13           | 82.25          | -38.12      | peak   |
| 4   | 4204.000        | 49.30          | -3.53          | 45.77           | 82.25          | -36.48      | peak   |
| 5   | 5068.000        | 46.46          | -0.07          | 46.39           | 82.25          | -35.86      | peak   |
| 6   | 9316.000        | 37.29          | 9.87           | 47.16           | 82.25          | -35.09      | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

### LTE Band 7

QPSK-20 MHz-Low Channel- Horizontal

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5010.000        | 46.94          | 0.46           | 47.40           | 70.25          | -22.85      | peak   |
| 2   | 7530.000        | 46.64          | 6.33           | 52.97           | 70.25          | -17.28      | peak   |
| 3   | 10035.000       | 53.14          | 12.08          | 65.22           | 70.25          | -5.03       | peak   |
| 4   | 11760.000       | 35.49          | 17.31          | 52.80           | 70.25          | -17.45      | peak   |
| 5   | 13620.000       | 34.17          | 21.15          | 55.32           | 70.25          | -14.93      | peak   |
| 6   | 18000.000       | 28.59          | 25.69          | 54.28           | 70.25          | -15.97      | peak   |

### QPSK-20 MHz-Low Channel- Vertical

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5010.000        | 47.12          | 0.46           | 47.58           | 70.25          | -22.67      | peak   |
| 2   | 7530.000        | 49.82          | 6.33           | 56.15           | 70.25          | -14.10      | peak   |
| 3   | 10035.000       | 51.81          | 12.08          | 63.89           | 70.25          | -6.36       | peak   |
| 4   | 11880.000       | 34.65          | 17.63          | 52.28           | 70.25          | -17.97      | peak   |
| 5   | 13590.000       | 33.65          | 21.09          | 54.74           | 70.25          | -15.51      | peak   |
| 6   | 18000.000       | 28.17          | 25.69          | 53.86           | 70.25          | -16.39      | peak   |

### QPSK-20 MHz-Mid Channel- Horizontal

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5070.000        | 45.58          | 0.51           | 46.09           | 70.25          | -24.16      | peak   |
| 2   | 7605.000        | 46.88          | 6.32           | 53.20           | 70.25          | -17.05      | peak   |
| 3   | 10140.000       | 52.88          | 12.29          | 65.17           | 70.25          | -5.08       | peak   |
| 4   | 11850.000       | 34.65          | 17.56          | 52.21           | 70.25          | -18.04      | peak   |
| 5   | 13875.000       | 33.19          | 21.70          | 54.89           | 70.25          | -15.36      | peak   |
| 6   | 17985.000       | 28.75          | 25.60          | 54.35           | 70.25          | -15.90      | peak   |

## QPSK-20 MHz-Mid Channel- Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 5070.000           | 48.06             | 0.51              | 48.57              | 70.25             | -21.68         | peak   |
| 2   | 7605.000           | 51.53             | 6.32              | 57.85              | 70.25             | -12.40         | peak   |
| 3   | 10140.000          | 51.05             | 12.29             | 63.34              | 70.25             | -6.91          | peak   |
| 4   | 11835.000          | 35.63             | 17.51             | 53.14              | 70.25             | -17.11         | peak   |
| 5   | 14025.000          | 34.25             | 21.86             | 56.11              | 70.25             | -14.14         | peak   |
| 6   | 17760.000          | 29.87             | 24.27             | 54.14              | 70.25             | -16.11         | peak   |

## QPSK-20 MHz-High Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 5115.000           | 47.49             | 0.54              | 48.03              | 70.25             | -22.22         | peak   |
| 2   | 7680.000           | 47.80             | 6.32              | 54.12              | 70.25             | -16.13         | peak   |
| 3   | 10245.000          | 52.57             | 12.48             | 65.05              | 70.25             | -5.20          | peak   |
| 4   | 11880.000          | 34.58             | 17.63             | 52.21              | 70.25             | -18.04         | peak   |
| 5   | 13530.000          | 33.72             | 20.96             | 54.68              | 70.25             | -15.57         | peak   |
| 6   | 18000.000          | 28.14             | 25.69             | 53.83              | 70.25             | -16.42         | peak   |

## QPSK-20 MHz-High Channel- Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 5115.000           | 50.38             | 0.54              | 50.92              | 70.25             | -19.33         | peak   |
| 2   | 7680.000           | 52.51             | 6.32              | 58.83              | 70.25             | -11.42         | peak   |
| 3   | 10245.000          | 50.89             | 12.48             | 63.37              | 70.25             | -6.88          | peak   |
| 4   | 12690.000          | 34.84             | 18.02             | 52.86              | 70.25             | -17.39         | peak   |
| 5   | 14070.000          | 32.85             | 21.67             | 54.52              | 70.25             | -15.73         | peak   |
| 6   | 18000.000          | 28.56             | 25.69             | 54.25              | 70.25             | -16.00         | peak   |

Note: Limit= -25dBm+95.25=70.25 dBuV/m

### LTE Band 12

#### QPSK-10 MHz-Low Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1405.000           | 55.92             | -13.15            | 42.77              | 82.25             | -39.48         | peak   |
| 2   | 2107.000           | 49.75             | -10.51            | 39.24              | 82.25             | -43.01         | peak   |
| 3   | 4924.000           | 40.62             | -0.45             | 40.17              | 82.25             | -42.08         | peak   |
| 4   | 7039.000           | 37.68             | 6.17              | 43.85              | 82.25             | -38.40         | peak   |
| 5   | 8911.000           | 36.83             | 9.11              | 45.94              | 82.25             | -36.31         | peak   |
| 6   | 9235.000           | 36.69             | 9.84              | 46.53              | 82.25             | -35.72         | peak   |

#### QPSK-10 MHz-Low Channel- Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1405.000           | 57.02             | -13.15            | 43.87              | 82.25             | -38.38         | peak   |
| 2   | 2116.000           | 51.06             | -10.47            | 40.59              | 82.25             | -41.66         | peak   |
| 3   | 3520.000           | 46.23             | -5.80             | 40.43              | 82.25             | -41.82         | peak   |
| 4   | 4924.000           | 43.39             | -0.45             | 42.94              | 82.25             | -39.31         | peak   |
| 5   | 7831.000           | 38.25             | 5.67              | 43.92              | 82.25             | -38.33         | peak   |
| 6   | 8875.000           | 38.07             | 8.86              | 46.93              | 82.25             | -35.32         | peak   |

#### QPSK-10 MHz-Mid Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1414.000           | 55.88             | -13.11            | 42.77              | 82.25             | -39.48         | peak   |
| 2   | 2116.000           | 49.79             | -10.47            | 39.32              | 82.25             | -42.93         | peak   |
| 3   | 4933.000           | 40.42             | -0.42             | 40.00              | 82.25             | -42.25         | peak   |
| 4   | 7183.000           | 36.96             | 6.01              | 42.97              | 82.25             | -39.28         | peak   |
| 5   | 7894.000           | 38.56             | 5.66              | 44.22              | 82.25             | -38.03         | peak   |
| 6   | 9253.000           | 36.47             | 9.83              | 46.30              | 82.25             | -35.95         | peak   |

#### QPSK-10 MHz-Mid Channel- Vertical

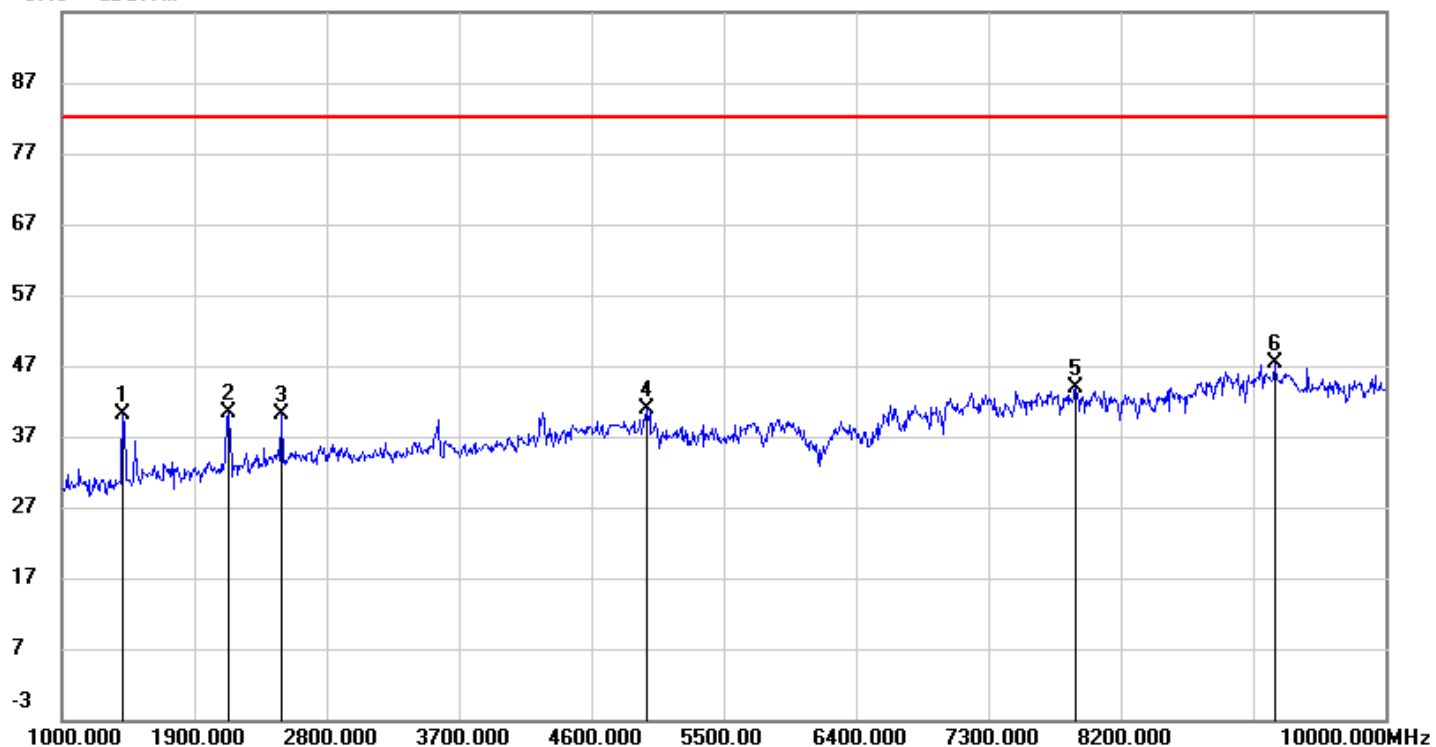
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1414.000           | 55.45             | -13.11            | 42.34              | 82.25             | -39.91         | peak   |
| 2   | 2116.000           | 51.21             | -10.47            | 40.74              | 82.25             | -41.51         | peak   |
| 3   | 2494.000           | 48.04             | -8.52             | 39.52              | 82.25             | -42.73         | peak   |
| 4   | 4933.000           | 42.79             | -0.42             | 42.37              | 82.25             | -39.88         | peak   |
| 5   | 7642.000           | 38.30             | 5.69              | 43.99              | 82.25             | -38.26         | peak   |
| 6   | 9253.000           | 36.19             | 9.83              | 46.02              | 82.25             | -36.23         | peak   |

#### QPSK-10 MHz-High Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1414.000           | 55.12             | -13.11            | 42.01              | 82.25             | -40.24         | peak   |
| 2   | 2134.000           | 47.40             | -10.37            | 37.03              | 82.25             | -45.22         | peak   |
| 3   | 3538.000           | 43.33             | -5.74             | 37.59              | 82.25             | -44.66         | peak   |
| 4   | 4672.000           | 41.10             | -1.46             | 39.64              | 82.25             | -42.61         | peak   |
| 5   | 7714.000           | 38.15             | 5.68              | 43.83              | 82.25             | -38.42         | peak   |
| 6   | 9145.000           | 37.04             | 9.80              | 46.84              | 82.25             | -35.41         | peak   |

## QPSK-10 MHz-High Channel- Vertical

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1414.000        | 53.29          | -13.11         | 40.18           | 82.25          | -42.07      | peak   |
| 2   | 2134.000        | 50.85          | -10.37         | 40.48           | 82.25          | -41.77      | peak   |
| 3   | 2494.000        | 48.65          | -8.52          | 40.13           | 82.25          | -42.12      | peak   |
| 4   | 4978.000        | 41.21          | -0.24          | 40.97           | 82.25          | -41.28      | peak   |
| 5   | 7894.000        | 38.13          | 5.66           | 43.79           | 82.25          | -38.46      | peak   |
| 6   | 9244.000        | 37.52          | 9.83           | 47.35           | 82.25          | -34.90      | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

### LTE Band 17

#### QPSK-10 MHz-Low Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1405.000           | 54.20             | -13.15            | 41.05              | 82.25             | -41.20         | peak   |
| 2   | 2134.000           | 48.08             | -10.37            | 37.71              | 82.25             | -44.54         | peak   |
| 3   | 4249.000           | 41.88             | -3.32             | 38.56              | 82.25             | -43.69         | peak   |
| 4   | 4960.000           | 40.31             | -0.32             | 39.99              | 82.25             | -42.26         | peak   |
| 5   | 7264.000           | 36.94             | 5.93              | 42.87              | 82.25             | -39.38         | peak   |
| 6   | 9307.000           | 36.60             | 9.86              | 46.46              | 82.25             | -35.79         | peak   |

#### QPSK-10 MHz-Low Channel- Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1414.000           | 54.31             | -13.11            | 41.20              | 82.25             | -41.05         | peak   |
| 2   | 2494.000           | 47.48             | -8.52             | 38.96              | 82.25             | -43.29         | peak   |
| 3   | 3556.000           | 45.02             | -5.70             | 39.32              | 82.25             | -42.93         | peak   |
| 4   | 4960.000           | 42.24             | -0.32             | 41.92              | 82.25             | -40.33         | peak   |
| 5   | 7183.000           | 37.16             | 6.01              | 43.17              | 82.25             | -39.08         | peak   |
| 6   | 9190.000           | 36.75             | 9.81              | 46.56              | 82.25             | -35.69         | peak   |

#### QPSK-10 MHz-Mid Channel- Horizontal

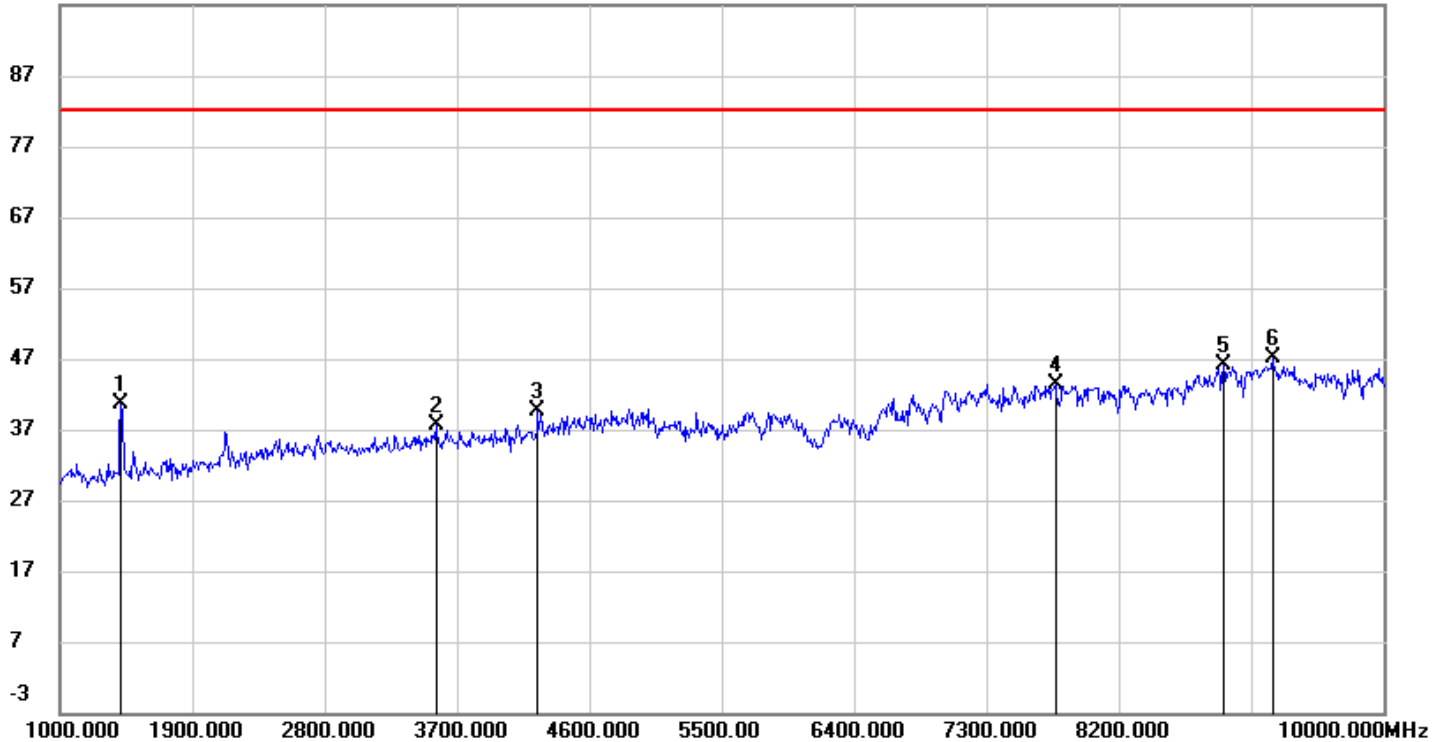
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1414.000           | 55.24             | -13.11            | 42.13              | 82.25             | -40.12         | peak   |
| 2   | 2125.000           | 48.59             | -10.42            | 38.17              | 82.25             | -44.08         | peak   |
| 3   | 4591.000           | 41.22             | -1.78             | 39.44              | 82.25             | -42.81         | peak   |
| 4   | 7039.000           | 36.77             | 6.17              | 42.94              | 82.25             | -39.31         | peak   |
| 5   | 7300.000           | 37.23             | 5.89              | 43.12              | 82.25             | -39.13         | peak   |
| 6   | 9172.000           | 36.79             | 9.81              | 46.60              | 82.25             | -35.65         | peak   |

#### QPSK-10 MHz-Mid Channel- Vertical

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1414.000           | 52.92             | -13.11            | 39.81              | 82.25             | -42.44         | peak   |
| 2   | 2494.000           | 48.42             | -8.52             | 39.90              | 82.25             | -42.35         | peak   |
| 3   | 4258.000           | 44.39             | -3.27             | 41.12              | 82.25             | -41.13         | peak   |
| 4   | 4960.000           | 41.85             | -0.32             | 41.53              | 82.25             | -40.72         | peak   |
| 5   | 8020.000           | 38.54             | 5.67              | 44.21              | 82.25             | -38.04         | peak   |
| 6   | 9136.000           | 36.57             | 9.80              | 46.37              | 82.25             | -35.88         | peak   |

## QPSK-10 MHz-High Channel- Horizontal

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1414.000        | 53.71          | -13.11         | 40.60           | 82.25          | -41.65      | peak   |
| 2   | 3556.000        | 43.42          | -5.70          | 37.72           | 82.25          | -44.53      | peak   |
| 3   | 4249.000        | 43.00          | -3.32          | 39.68           | 82.25          | -42.57      | peak   |
| 4   | 7768.000        | 37.79          | 5.66           | 43.45           | 82.25          | -38.80      | peak   |
| 5   | 8911.000        | 37.05          | 9.11           | 46.16           | 82.25          | -36.09      | peak   |
| 6   | 9244.000        | 37.42          | 9.83           | 47.25           | 82.25          | -35.00      | peak   |

## QPSK-10 MHz-High Channel- Vertical

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1414.000        | 52.87          | -13.11         | 39.76           | 82.25          | -42.49      | peak   |
| 2   | 2134.000        | 49.59          | -10.37         | 39.22           | 82.25          | -43.03      | peak   |
| 3   | 4267.000        | 44.00          | -3.23          | 40.77           | 82.25          | -41.48      | peak   |
| 4   | 4960.000        | 42.05          | -0.32          | 41.73           | 82.25          | -40.52      | peak   |
| 5   | 7885.000        | 38.15          | 5.66           | 43.81           | 82.25          | -38.44      | peak   |
| 6   | 9190.000        | 36.91          | 9.81           | 46.72           | 82.25          | -35.53      | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

**LTE Band 25**
**QPSK-20 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3720.000           | 58.23             | -4.45             | 53.78              | 82.25             | -28.47         | peak   |
| 2   | 5565.000           | 49.76             | 1.04              | 50.80              | 82.25             | -31.45         | peak   |
| 3   | 7440.000           | 50.25             | 6.38              | 56.63              | 82.25             | -25.62         | peak   |
| 4   | 9300.000           | 50.75             | 10.61             | 61.36              | 82.25             | -20.89         | peak   |
| 5   | 13605.000          | 34.21             | 21.12             | 55.33              | 82.25             | -26.92         | peak   |
| 6   | 17955.000          | 28.65             | 25.42             | 54.07              | 82.25             | -28.18         | peak   |

**QPSK-20 MHz-Low Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3720.000           | 63.60             | -4.45             | 59.15              | 82.25             | -23.10         | peak   |
| 2   | 5565.000           | 51.70             | 1.04              | 52.74              | 82.25             | -29.51         | peak   |
| 3   | 7440.000           | 53.60             | 6.38              | 59.98              | 82.25             | -22.27         | peak   |
| 4   | 9315.000           | 51.98             | 10.61             | 62.59              | 82.25             | -19.66         | peak   |
| 5   | 13575.000          | 32.96             | 21.06             | 54.02              | 82.25             | -28.23         | peak   |
| 6   | 17985.000          | 29.08             | 25.60             | 54.68              | 82.25             | -27.57         | peak   |

**QPSK-20 MHz-Mid Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3765.000           | 55.84             | -4.35             | 51.49              | 82.25             | -30.76         | peak   |
| 2   | 5640.000           | 47.15             | 1.24              | 48.39              | 82.25             | -33.86         | peak   |
| 3   | 7530.000           | 49.04             | 6.33              | 55.37              | 82.25             | -26.88         | peak   |
| 4   | 9420.000           | 50.15             | 10.65             | 60.80              | 82.25             | -21.45         | peak   |
| 5   | 13620.000          | 33.61             | 21.15             | 54.76              | 82.25             | -27.49         | peak   |
| 6   | 17970.000          | 28.26             | 25.51             | 53.77              | 82.25             | -28.48         | peak   |

**QPSK-20 MHz-Mid Channel- Vertical**

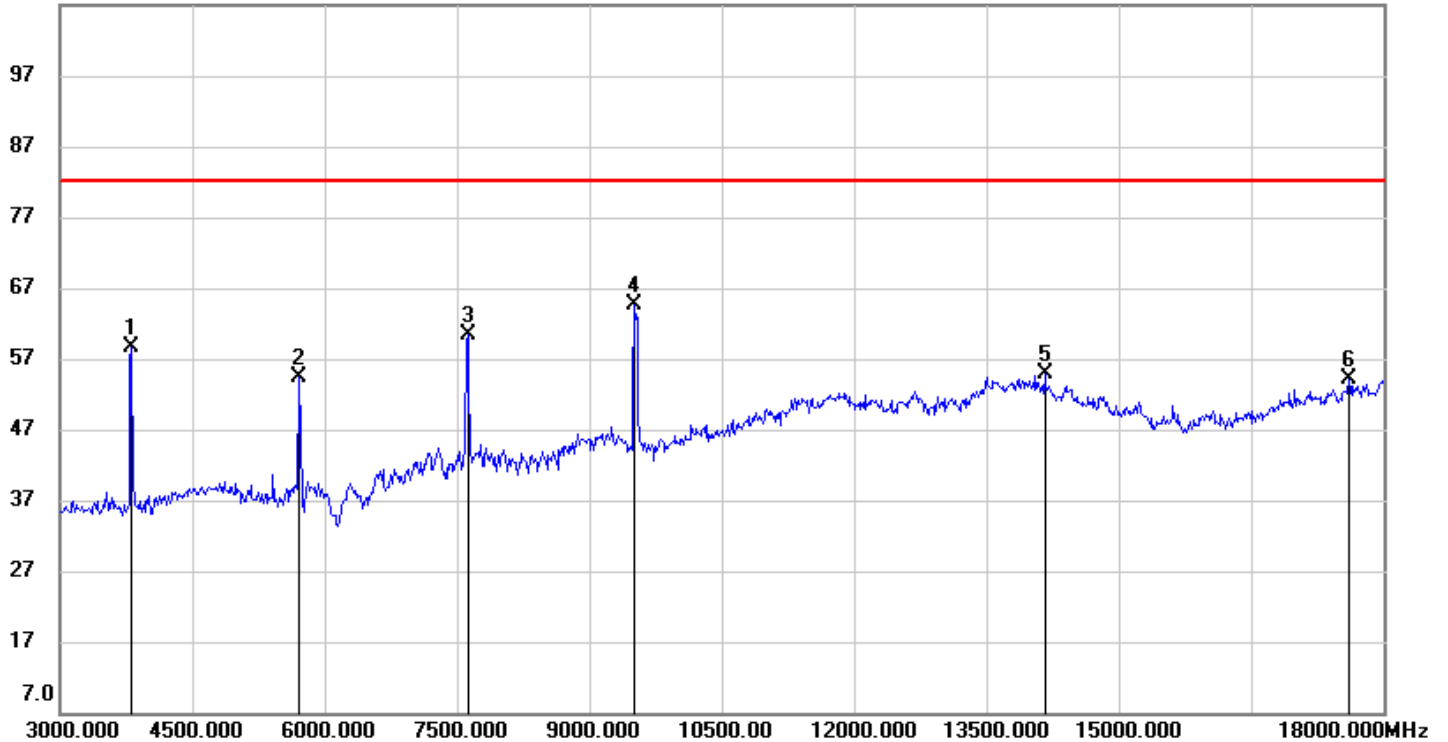
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3765.000           | 62.47             | -4.35             | 58.12              | 82.25             | -24.13         | peak   |
| 2   | 5640.000           | 50.96             | 1.24              | 52.20              | 82.25             | -30.05         | peak   |
| 3   | 7530.000           | 53.57             | 6.33              | 59.90              | 82.25             | -22.35         | peak   |
| 4   | 9405.000           | 52.49             | 10.66             | 63.15              | 82.25             | -19.10         | peak   |
| 5   | 11895.000          | 35.12             | 17.68             | 52.80              | 82.25             | -29.45         | peak   |
| 6   | 13530.000          | 33.90             | 20.96             | 54.86              | 82.25             | -27.39         | peak   |

**QPSK-20 MHz-High Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3810.000           | 57.17             | -4.24             | 52.93              | 82.25             | -29.32         | peak   |
| 2   | 5715.000           | 48.09             | 1.46              | 49.55              | 82.25             | -32.70         | peak   |
| 3   | 7620.000           | 49.71             | 6.33              | 56.04              | 82.25             | -26.21         | peak   |
| 4   | 9525.000           | 52.87             | 10.77             | 63.64              | 82.25             | -18.61         | peak   |
| 5   | 13605.000          | 33.42             | 21.12             | 54.54              | 82.25             | -27.71         | peak   |
| 6   | 17985.000          | 29.27             | 25.60             | 54.87              | 82.25             | -27.38         | peak   |

## QPSK-20 MHz-High Channel- Vertical

107.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3810.000        | 62.81          | -4.24          | 58.57           | 82.25          | -23.68      | peak   |
| 2   | 5700.000        | 52.97          | 1.41           | 54.38           | 82.25          | -27.87      | peak   |
| 3   | 7620.000        | 54.03          | 6.33           | 60.36           | 82.25          | -21.89      | peak   |
| 4   | 9510.000        | 53.88          | 10.72          | 64.60           | 82.25          | -17.65      | peak   |
| 5   | 14160.000       | 33.48          | 21.31          | 54.79           | 82.25          | -27.46      | peak   |
| 6   | 17610.000       | 30.84          | 23.38          | 54.22           | 82.25          | -28.03      | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

**LTE Band 26 (814 ~ 824 MHz)**
**QPSK-10 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1090.000           | 54.07             | -14.61            | 39.46              | 82.25             | -42.79         | peak   |
| 2   | 1639.000           | 56.30             | -12.25            | 44.05              | 82.25             | -38.20         | peak   |
| 3   | 2458.000           | 52.40             | -8.71             | 43.69              | 82.25             | -38.56         | peak   |
| 4   | 4933.000           | 42.36             | -0.42             | 41.94              | 82.25             | -40.31         | peak   |
| 5   | 7183.000           | 37.51             | 6.01              | 43.52              | 82.25             | -38.73         | peak   |
| 6   | 9199.000           | 37.04             | 9.82              | 46.86              | 82.25             | -35.39         | peak   |

**QPSK-10 MHz-Low Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1630.000           | 57.16             | -12.28            | 44.88              | 82.25             | -37.37         | peak   |
| 2   | 2458.000           | 52.58             | -8.71             | 43.87              | 82.25             | -38.38         | peak   |
| 3   | 3277.000           | 48.34             | -6.36             | 41.98              | 82.25             | -40.27         | peak   |
| 4   | 4105.000           | 48.12             | -3.99             | 44.13              | 82.25             | -38.12         | peak   |
| 5   | 4933.000           | 45.21             | -0.42             | 44.79              | 82.25             | -37.46         | peak   |
| 6   | 8947.000           | 37.55             | 9.37              | 46.92              | 82.25             | -35.33         | peak   |

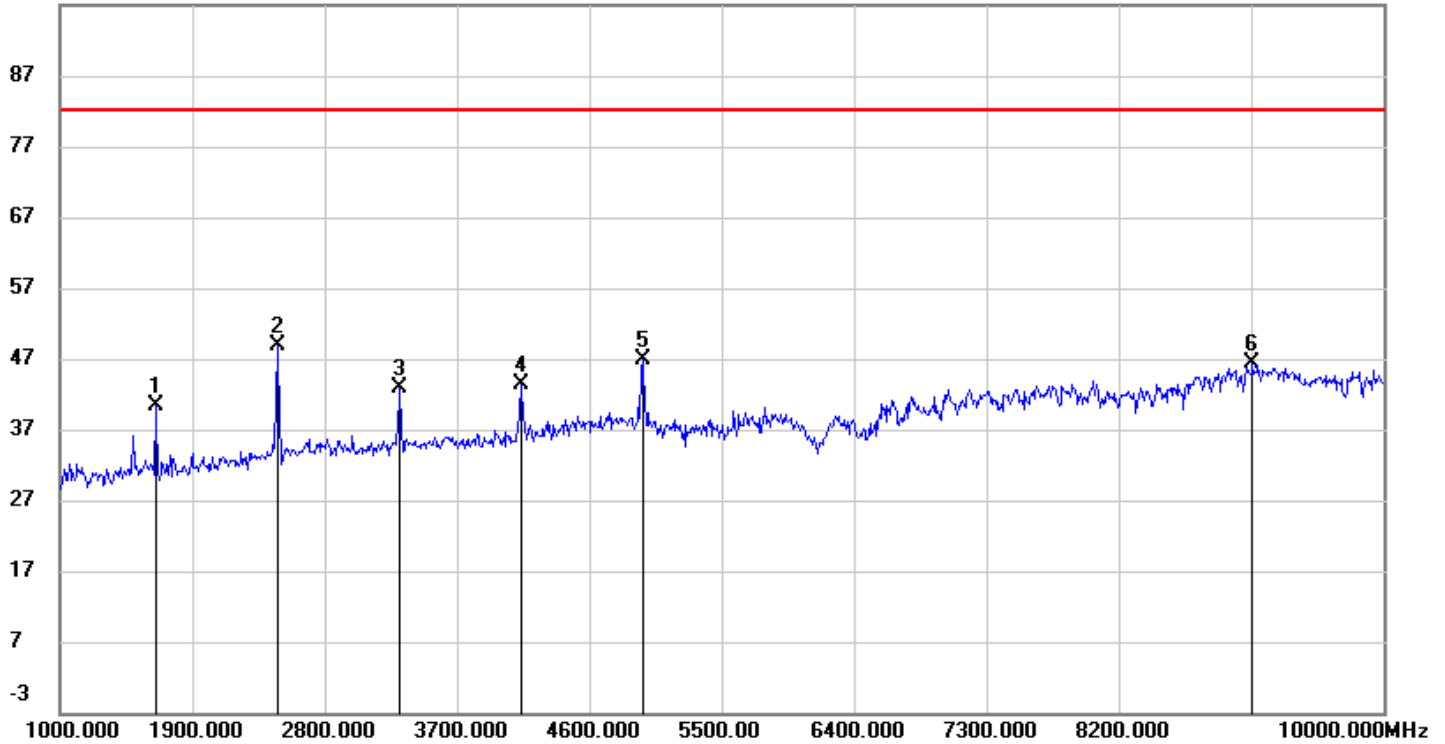
Note: Limit= -13dBm+95.25=82.25 dBuV/m

**LTE Band 26 (824 ~ 849 MHz)**
**QPSK-15 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1648.000           | 57.70             | -12.22            | 45.48              | 82.25             | -36.77         | peak   |
| 2   | 2476.000           | 56.76             | -8.61             | 48.15              | 82.25             | -34.10         | peak   |
| 3   | 4132.000           | 44.62             | -3.87             | 40.75              | 82.25             | -41.50         | peak   |
| 4   | 4960.000           | 43.75             | -0.32             | 43.43              | 82.25             | -38.82         | peak   |
| 5   | 7192.000           | 37.56             | 6.00              | 43.56              | 82.25             | -38.69         | peak   |
| 6   | 9244.000           | 37.10             | 9.83              | 46.93              | 82.25             | -35.32         | peak   |

### QPSK-15 MHz-Low Channel- Vertical

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1648.000        | 52.72          | -12.22         | 40.50           | 82.25          | -41.75      | peak   |
| 2   | 2476.000        | 57.50          | -8.61          | 48.89           | 82.25          | -33.36      | peak   |
| 3   | 3313.000        | 49.26          | -6.27          | 42.99           | 82.25          | -39.26      | peak   |
| 4   | 4132.000        | 47.36          | -3.87          | 43.49           | 82.25          | -38.76      | peak   |
| 5   | 4960.000        | 47.23          | -0.32          | 46.91           | 82.25          | -35.34      | peak   |
| 6   | 9109.000        | 36.64          | 9.78           | 46.42           | 82.25          | -35.83      | peak   |

### QPSK-15 MHz-Mid Channel- Horizontal

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1666.000        | 56.77          | -12.16         | 44.61           | 82.25          | -37.64      | peak   |
| 2   | 2485.000        | 54.15          | -8.57          | 45.58           | 82.25          | -36.67      | peak   |
| 3   | 3331.000        | 45.38          | -6.23          | 39.15           | 82.25          | -43.10      | peak   |
| 4   | 4996.000        | 41.91          | -0.17          | 41.74           | 82.25          | -40.51      | peak   |
| 5   | 7723.000        | 38.45          | 5.67           | 44.12           | 82.25          | -38.13      | peak   |
| 6   | 9127.000        | 37.05          | 9.79           | 46.84           | 82.25          | -35.41      | peak   |

### QPSK-15 MHz-Mid Channel- Vertical

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 1666.000        | 55.20          | -12.16         | 43.04           | 82.25          | -39.21      | peak   |
| 2   | 2494.000        | 56.85          | -8.52          | 48.33           | 82.25          | -33.92      | peak   |
| 3   | 3331.000        | 48.62          | -6.23          | 42.39           | 82.25          | -39.86      | peak   |
| 4   | 4996.000        | 46.26          | -0.17          | 46.09           | 82.25          | -36.16      | peak   |
| 5   | 7642.000        | 37.98          | 5.69           | 43.67           | 82.25          | -38.58      | peak   |
| 6   | 9190.000        | 37.05          | 9.81           | 46.86           | 82.25          | -35.39      | peak   |

## QPSK-15 MHz-High Channel- Horizontal

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1675.000           | 59.04             | -12.13            | 46.91              | 82.25             | -35.34         | peak   |
| 2   | 2512.000           | 54.06             | -8.45             | 45.61              | 82.25             | -36.64         | peak   |
| 3   | 4186.000           | 45.15             | -3.61             | 41.54              | 82.25             | -40.71         | peak   |
| 4   | 5032.000           | 42.02             | -0.12             | 41.90              | 82.25             | -40.35         | peak   |
| 5   | 7174.000           | 37.89             | 6.02              | 43.91              | 82.25             | -38.34         | peak   |
| 6   | 9235.000           | 36.59             | 9.84              | 46.43              | 82.25             | -35.82         | peak   |

## QPSK-15 MHz-High Channel- Vertical

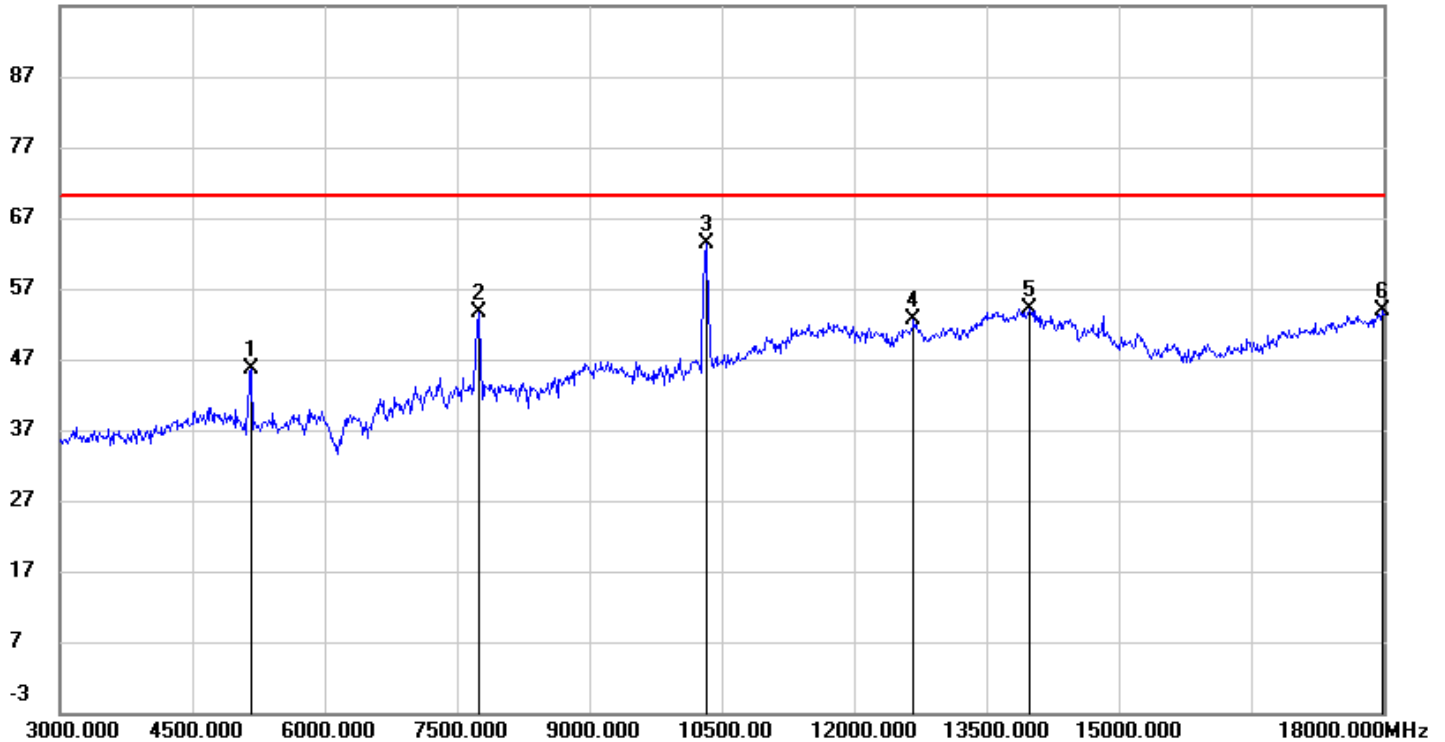
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 1675.000           | 54.64             | -12.13            | 42.51              | 82.25             | -39.74         | peak   |
| 2   | 2512.000           | 56.29             | -8.45             | 47.84              | 82.25             | -34.41         | peak   |
| 3   | 3349.000           | 51.29             | -6.19             | 45.10              | 82.25             | -37.15         | peak   |
| 4   | 4186.000           | 48.63             | -3.61             | 45.02              | 82.25             | -37.23         | peak   |
| 5   | 5041.000           | 47.40             | -0.11             | 47.29              | 82.25             | -34.96         | peak   |
| 6   | 9226.000           | 36.87             | 9.83              | 46.70              | 82.25             | -35.55         | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

**LTE Band 38**

QPSK-20 MHz-Low Channel- Horizontal

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5160.000        | 45.12          | 0.58           | 45.70           | 70.25          | -24.55      | peak   |
| 2   | 7755.000        | 47.20          | 6.31           | 53.51           | 70.25          | -16.74      | peak   |
| 3   | 10320.000       | 50.64          | 12.64          | 63.28           | 70.25          | -6.97       | peak   |
| 4   | 12675.000       | 34.57          | 17.99          | 52.56           | 70.25          | -17.69      | peak   |
| 5   | 13980.000       | 32.31          | 21.92          | 54.23           | 70.25          | -16.02      | peak   |
| 6   | 17985.000       | 28.25          | 25.60          | 53.85           | 70.25          | -16.40      | peak   |

**QPSK-20 MHz-Low Channel- Vertical**

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5160.000        | 48.08          | 0.58           | 48.66           | 70.25          | -21.59      | peak   |
| 2   | 7740.000        | 50.46          | 6.32           | 56.78           | 70.25          | -13.47      | peak   |
| 3   | 10320.000       | 50.26          | 12.64          | 62.90           | 70.25          | -7.35       | peak   |
| 4   | 11730.000       | 34.92          | 17.22          | 52.14           | 70.25          | -18.11      | peak   |
| 5   | 13695.000       | 32.99          | 21.31          | 54.30           | 70.25          | -15.95      | peak   |
| 6   | 17700.000       | 29.96          | 23.91          | 53.87           | 70.25          | -16.38      | peak   |

**QPSK-20 MHz-Mid Channel- Horizontal**

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5190.000        | 44.98          | 0.60           | 45.58           | 70.25          | -24.67      | peak   |
| 2   | 7800.000        | 46.01          | 6.32           | 52.33           | 70.25          | -17.92      | peak   |
| 3   | 10380.000       | 49.12          | 12.75          | 61.87           | 70.25          | -8.38       | peak   |
| 4   | 11820.000       | 35.43          | 17.47          | 52.90           | 70.25          | -17.35      | peak   |
| 5   | 13590.000       | 33.24          | 21.09          | 54.33           | 70.25          | -15.92      | peak   |
| 6   | 17700.000       | 30.11          | 23.91          | 54.02           | 70.25          | -16.23      | peak   |

**QPSK-20 MHz-Mid Channel- Vertical**

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5190.000        | 49.42          | 0.60           | 50.02           | 70.25          | -20.23      | peak   |

|   |           |       |       |       |       |        |      |
|---|-----------|-------|-------|-------|-------|--------|------|
| 2 | 7770.000  | 50.20 | 6.31  | 56.51 | 70.25 | -13.74 | peak |
| 3 | 10380.000 | 48.92 | 12.75 | 61.67 | 70.25 | -8.58  | peak |
| 4 | 11910.000 | 34.79 | 17.72 | 52.51 | 70.25 | -17.74 | peak |
| 5 | 13920.000 | 33.65 | 21.79 | 55.44 | 70.25 | -14.81 | peak |
| 6 | 17985.000 | 28.42 | 25.60 | 54.02 | 70.25 | -16.23 | peak |

## QPSK-20 MHz-High Channel- Horizontal

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5220.000        | 45.90          | 0.62           | 46.52           | 70.25          | -23.73      | peak   |
| 2   | 7815.000        | 47.77          | 6.32           | 54.09           | 70.25          | -16.16      | peak   |
| 3   | 10440.000       | 50.12          | 12.87          | 62.99           | 70.25          | -7.26       | peak   |
| 4   | 11850.000       | 34.66          | 17.56          | 52.22           | 70.25          | -18.03      | peak   |
| 5   | 13950.000       | 32.93          | 21.86          | 54.79           | 70.25          | -15.46      | peak   |
| 6   | 18000.000       | 28.89          | 25.69          | 54.58           | 70.25          | -15.67      | peak   |

## QPSK-20 MHz-High Channel- Vertical

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5220.000        | 50.89          | 0.62           | 51.51           | 70.25          | -18.74      | peak   |
| 2   | 7830.000        | 50.94          | 6.32           | 57.26           | 70.25          | -12.99      | peak   |
| 3   | 10440.000       | 50.24          | 12.87          | 63.11           | 70.25          | -7.14       | peak   |
| 4   | 11835.000       | 34.85          | 17.51          | 52.36           | 70.25          | -17.89      | peak   |
| 5   | 13650.000       | 33.07          | 21.21          | 54.28           | 70.25          | -15.97      | peak   |
| 6   | 17055.000       | 31.99          | 21.08          | 53.07           | 70.25          | -17.18      | peak   |

Note: Limit= -25dBm+95.25=70.25 dBuV/m

**LTE Band 41**
**QPSK-20 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 7485.000           | 38.57             | 6.34              | 44.91              | 70.25             | -25.34         | peak   |
| 2   | 8985.000           | 37.17             | 10.37             | 47.54              | 70.25             | -22.71         | peak   |
| 3   | 9990.000           | 48.28             | 11.98             | 60.26              | 70.25             | -9.99          | peak   |
| 4   | 11550.000          | 36.17             | 16.74             | 52.91              | 70.25             | -17.34         | peak   |
| 5   | 13545.000          | 33.60             | 20.99             | 54.59              | 70.25             | -15.66         | peak   |
| 6   | 17985.000          | 28.50             | 25.60             | 54.10              | 70.25             | -16.15         | peak   |

**QPSK-20 MHz-Low Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 7485.000           | 40.29             | 6.34              | 46.63              | 70.25             | -23.62         | peak   |
| 2   | 9180.000           | 37.04             | 10.56             | 47.60              | 70.25             | -22.65         | peak   |
| 3   | 9990.000           | 38.27             | 11.98             | 50.25              | 70.25             | -20.00         | peak   |
| 4   | 11880.000          | 35.15             | 17.63             | 52.78              | 70.25             | -17.47         | peak   |
| 5   | 13575.000          | 34.43             | 21.06             | 55.49              | 70.25             | -14.76         | peak   |
| 6   | 17670.000          | 29.98             | 23.73             | 53.71              | 70.25             | -16.54         | peak   |

**QPSK-20 MHz-Mid Channel- Horizontal**

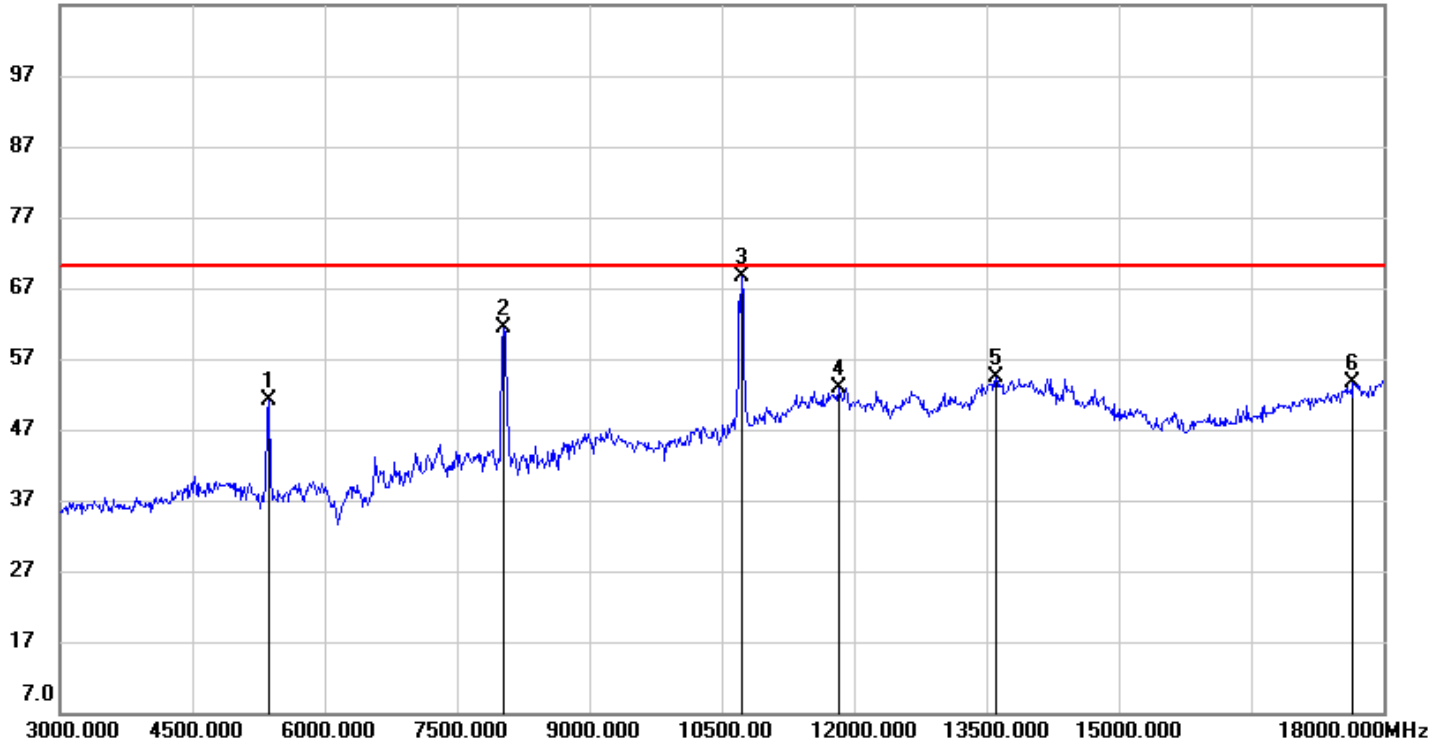
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 5175.000           | 46.46             | 0.59              | 47.05              | 70.25             | -23.20         | peak   |
| 2   | 7770.000           | 45.68             | 6.31              | 51.99              | 70.25             | -18.26         | peak   |
| 3   | 10365.000          | 49.63             | 12.72             | 62.35              | 70.25             | -7.90          | peak   |
| 4   | 11835.000          | 34.61             | 17.51             | 52.12              | 70.25             | -18.13         | peak   |
| 5   | 13875.000          | 33.33             | 21.70             | 55.03              | 70.25             | -15.22         | peak   |
| 6   | 17730.000          | 30.34             | 24.09             | 54.43              | 70.25             | -15.82         | peak   |

**QPSK-20 MHz-Mid Channel- Vertical**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 5175.000           | 49.41             | 0.59              | 50.00              | 70.25             | -20.25         | peak   |
| 2   | 7770.000           | 50.92             | 6.31              | 57.23              | 70.25             | -13.02         | peak   |
| 3   | 10365.000          | 50.17             | 12.72             | 62.89              | 70.25             | -7.36          | peak   |
| 4   | 11760.000          | 34.95             | 17.31             | 52.26              | 70.25             | -17.99         | peak   |
| 5   | 13920.000          | 33.19             | 21.79             | 54.98              | 70.25             | -15.27         | peak   |
| 6   | 18000.000          | 29.66             | 25.69             | 55.35              | 70.25             | -14.90         | peak   |

## QPSK-20 MHz-High Channel- Horizontal

107.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5370.000        | 50.27          | 0.75           | 51.02           | 70.25          | -19.23      | peak   |
| 2   | 8025.000        | 54.96          | 6.34           | 61.30           | 70.25          | -8.95       | peak   |
| 3   | 10725.000       | 54.76          | 13.79          | 68.55           | 70.25          | -1.70       | peak   |
| 4   | 11820.000       | 35.48          | 17.47          | 52.95           | 70.25          | -17.30      | peak   |
| 5   | 13605.000       | 33.22          | 21.12          | 54.34           | 70.25          | -15.91      | peak   |
| 6   | 17655.000       | 29.99          | 23.64          | 53.63           | 70.25          | -16.62      | peak   |

## QPSK-20 MHz-High Channel- Vertical

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 5355.000        | 53.82          | 0.74           | 54.56           | 70.25          | -15.69      | peak   |
| 2   | 8040.000        | 58.11          | 6.34           | 64.45           | 70.25          | -5.80       | peak   |
| 3   | 10725.000       | 53.67          | 13.79          | 67.46           | 70.25          | -2.79       | peak   |
| 4   | 12645.000       | 34.32          | 17.92          | 52.24           | 70.25          | -18.01      | peak   |
| 5   | 13920.000       | 32.62          | 21.79          | 54.41           | 70.25          | -15.84      | peak   |
| 6   | 17775.000       | 29.04          | 24.36          | 53.40           | 70.25          | -16.85      | peak   |

Note: Limit= -25dBm+95.25=70.25 dBuV/m

**LTE Band 66**
**QPSK-20 MHz-Low Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3435.000           | 61.77             | -4.99             | 56.78              | 82.25             | -25.47         | peak   |
| 2   | 5145.000           | 49.65             | 0.56              | 50.21              | 82.25             | -32.04         | peak   |
| 3   | 6870.000           | 51.04             | 6.05              | 57.09              | 82.25             | -25.16         | peak   |
| 4   | 8610.000           | 54.89             | 7.64              | 62.53              | 82.25             | -19.72         | peak   |
| 5   | 10320.000          | 47.23             | 12.64             | 59.87              | 82.25             | -22.38         | peak   |
| 6   | 13755.000          | 32.92             | 21.45             | 54.37              | 82.25             | -27.88         | peak   |

**QPSK-20 MHz-Low Channel- Vertical**

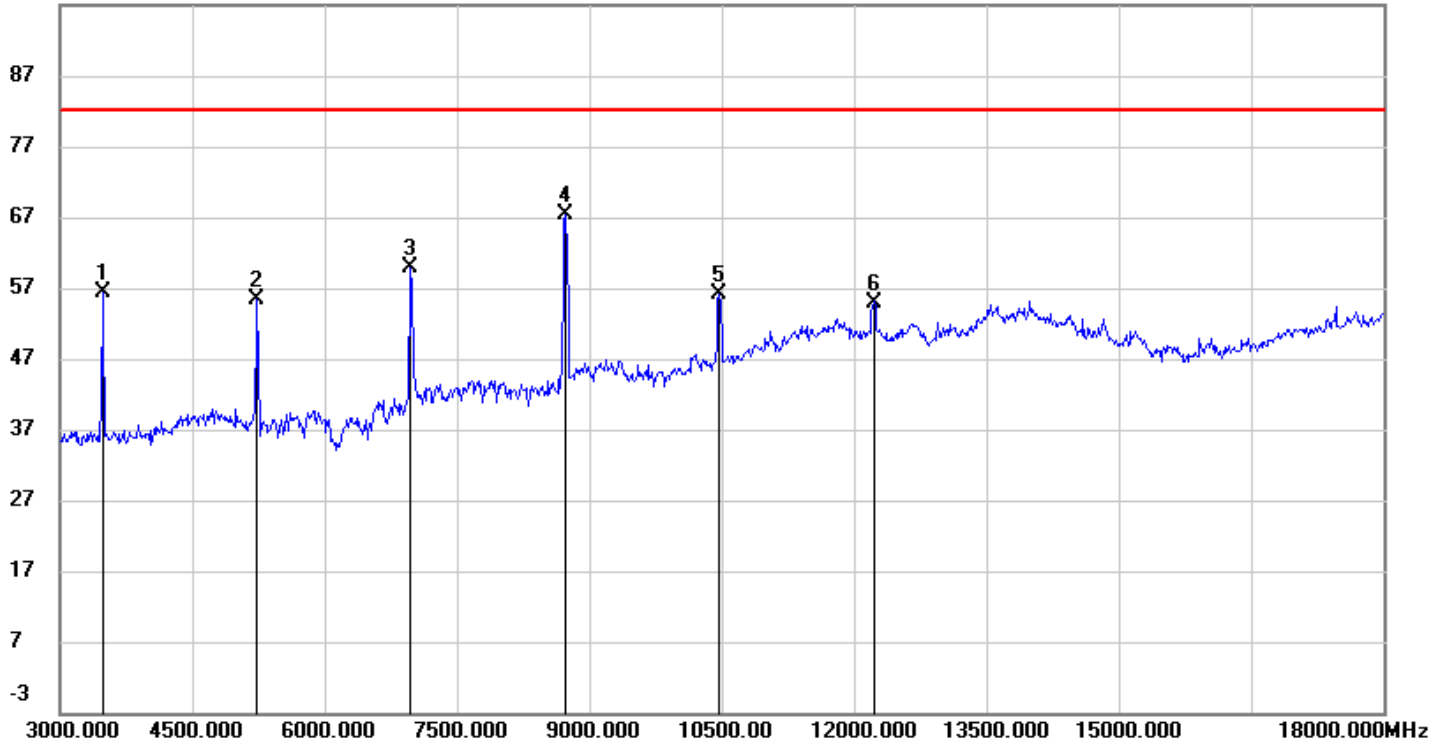
| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3435.000           | 61.05             | -4.99             | 56.06              | 82.25             | -26.19         | peak   |
| 2   | 5160.000           | 52.74             | 0.58              | 53.32              | 82.25             | -28.93         | peak   |
| 3   | 6870.000           | 53.10             | 6.05              | 59.15              | 82.25             | -23.10         | peak   |
| 4   | 8610.000           | 56.19             | 7.64              | 63.83              | 82.25             | -18.42         | peak   |
| 5   | 10305.000          | 45.47             | 12.61             | 58.08              | 82.25             | -24.17         | peak   |
| 6   | 12045.000          | 38.40             | 17.93             | 56.33              | 82.25             | -25.92         | peak   |

**QPSK-20 MHz-Mid Channel- Horizontal**

| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Correct<br>(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|-------------------|-------------------|--------------------|-------------------|----------------|--------|
| 1   | 3480.000           | 61.51             | -4.97             | 56.54              | 82.25             | -25.71         | peak   |
| 2   | 5235.000           | 48.15             | 0.63              | 48.78              | 82.25             | -33.47         | peak   |
| 3   | 6960.000           | 50.20             | 6.50              | 56.70              | 82.25             | -25.55         | peak   |
| 4   | 8730.000           | 56.61             | 8.52              | 65.13              | 82.25             | -17.12         | peak   |
| 5   | 10470.000          | 43.85             | 12.93             | 56.78              | 82.25             | -25.47         | peak   |
| 6   | 13605.000          | 33.24             | 21.12             | 54.36              | 82.25             | -27.89         | peak   |

### QPSK-20 MHz-Mid Channel- Vertical

97.0 dBuV/m



| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3480.000        | 61.26          | -4.97          | 56.29           | 82.25          | -25.96      | peak   |
| 2   | 5235.000        | 54.84          | 0.63           | 55.47           | 82.25          | -26.78      | peak   |
| 3   | 6975.000        | 53.19          | 6.57           | 59.76           | 82.25          | -22.49      | peak   |
| 4   | 8730.000        | 58.75          | 8.52           | 67.27           | 82.25          | -14.98      | peak   |
| 5   | 10470.000       | 43.10          | 12.93          | 56.03           | 82.25          | -26.22      | peak   |
| 6   | 12225.000       | 37.21          | 17.79          | 55.00           | 82.25          | -27.25      | peak   |

### QPSK-20 MHz-High Channel- Horizontal

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3540.000        | 62.89          | -4.87          | 58.02           | 82.25          | -24.23      | peak   |
| 2   | 7080.000        | 51.22          | 6.63           | 57.85           | 82.25          | -24.40      | peak   |
| 3   | 8850.000        | 56.60          | 9.39           | 65.99           | 82.25          | -16.26      | peak   |
| 4   | 10620.000       | 44.18          | 13.42          | 57.60           | 82.25          | -24.65      | peak   |
| 5   | 13620.000       | 33.41          | 21.15          | 54.56           | 82.25          | -27.69      | peak   |
| 6   | 14430.000       | 34.35          | 20.20          | 54.55           | 82.25          | -27.70      | peak   |

### QPSK-20 MHz-High Channel- Vertical

| No. | Frequency (MHz) | Reading (dBuV) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------|-----------------|----------------|-------------|--------|
| 1   | 3540.000        | 61.35          | -4.87          | 56.48           | 82.25          | -25.77      | peak   |
| 2   | 5310.000        | 53.33          | 0.70           | 54.03           | 82.25          | -28.22      | peak   |
| 3   | 7080.000        | 54.41          | 6.63           | 61.04           | 82.25          | -21.21      | peak   |
| 4   | 8850.000        | 56.67          | 9.39           | 66.06           | 82.25          | -16.19      | peak   |
| 5   | 10620.000       | 43.46          | 13.42          | 56.88           | 82.25          | -25.37      | peak   |
| 6   | 12390.000       | 37.82          | 17.68          | 55.50           | 82.25          | -26.75      | peak   |

Note: Limit= -13dBm+95.25=82.25 dBuV/m

## END OF REPORT