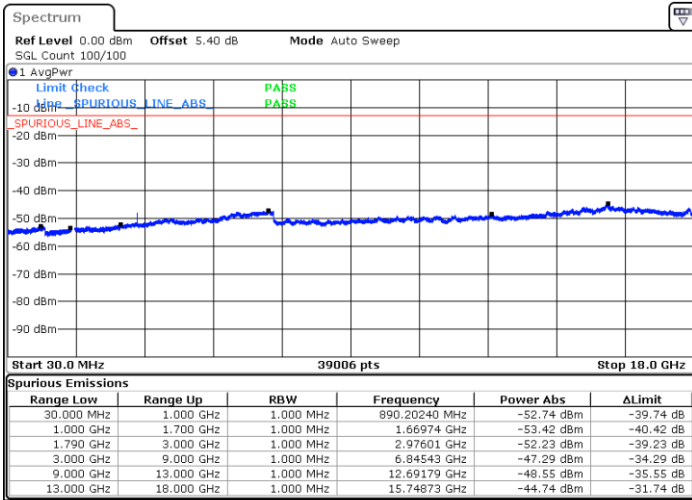




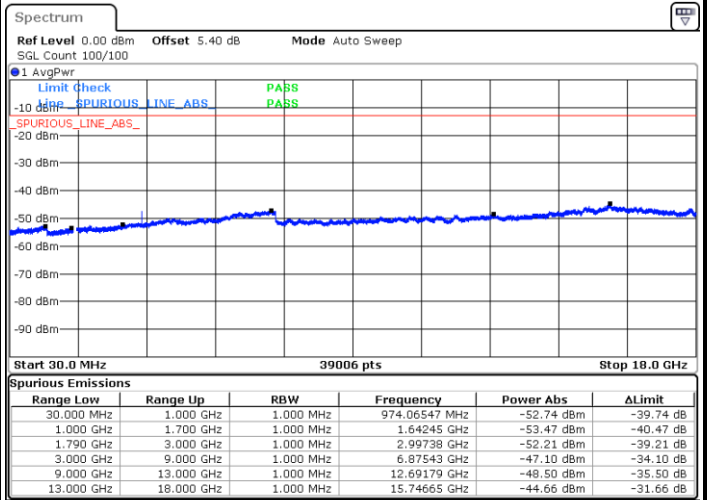
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

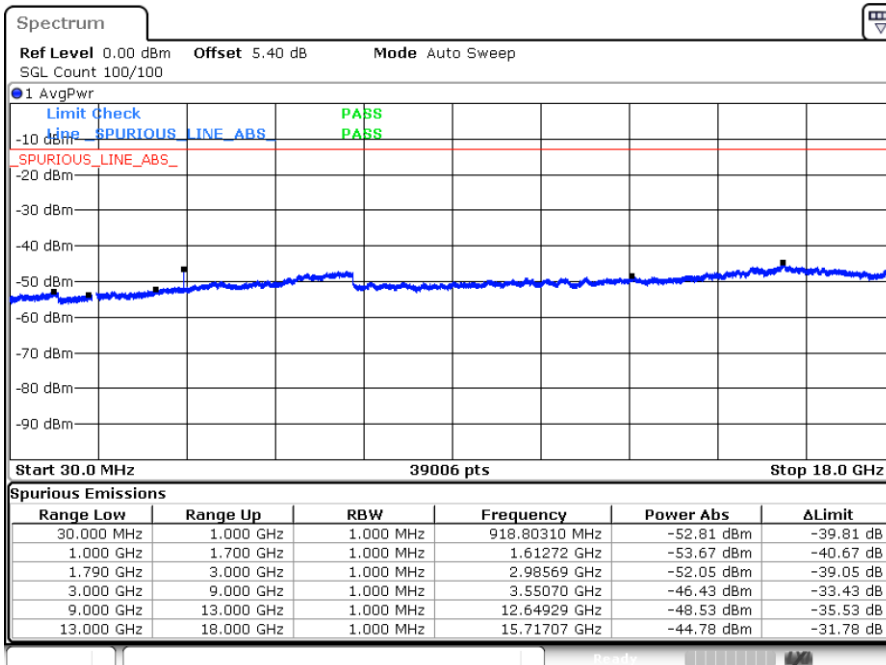


Date: 11.OCT.2022 20:08:54



Date: 11.OCT.2022 20:20:18

Highest Channel / QPSK



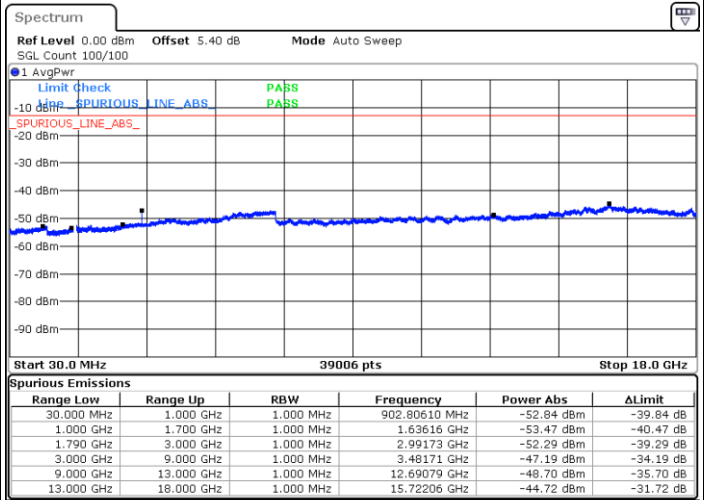
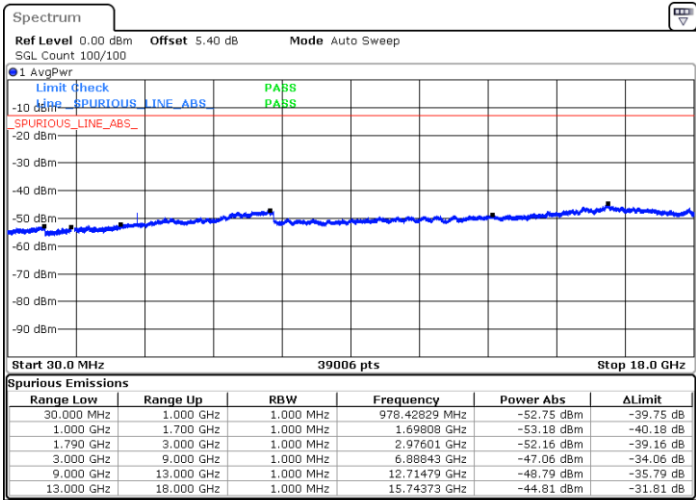
Date: 11.OCT.2022 20:21:41



LTE Band 66 / 10MHz

Lowest Channel / QPSK

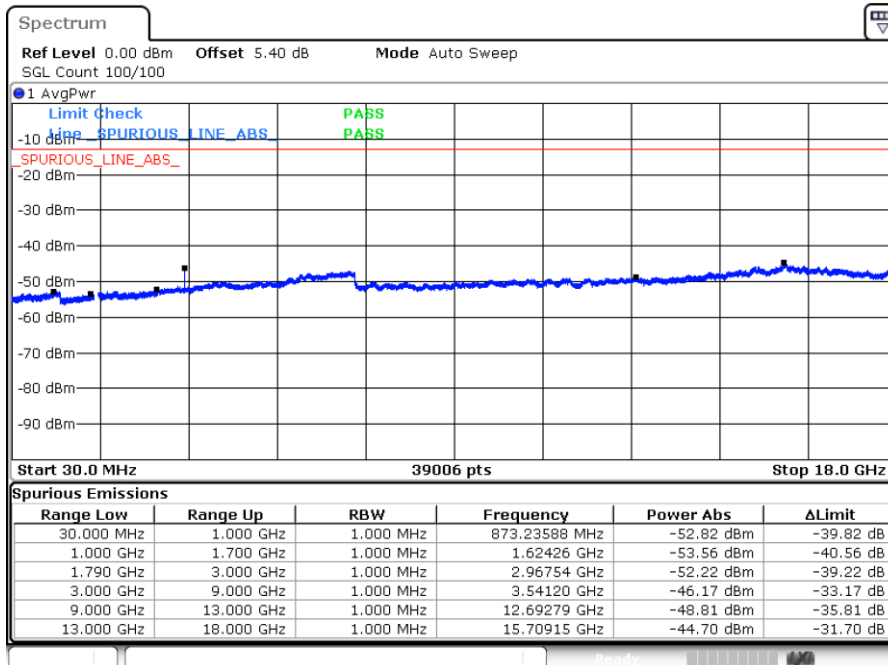
Middle Channel / QPSK



Date: 11.OCT.2022 20:33:08

Date: 11.OCT.2022 20:44:33

Highest Channel / QPSK



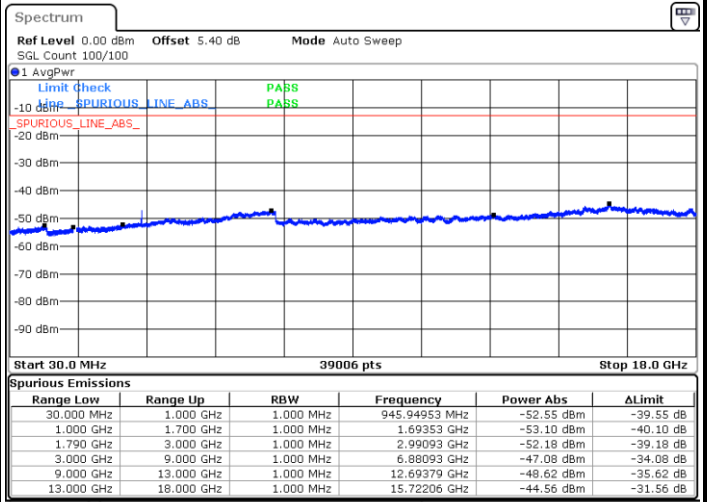
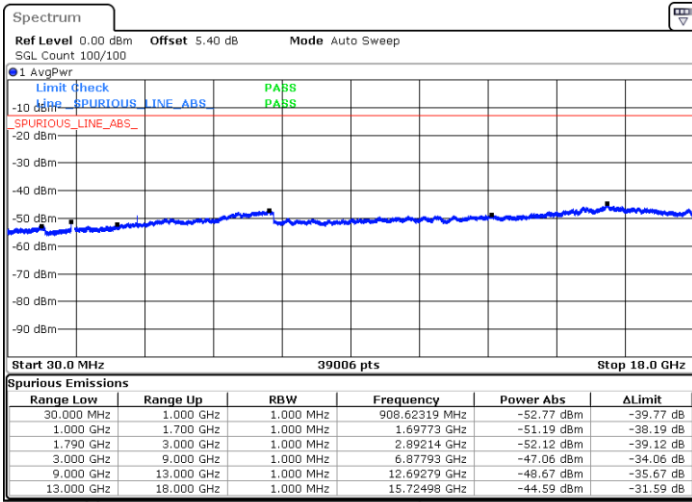
Date: 11.OCT.2022 20:45:56



LTE Band 66 / 15MHz

Lowest Channel / QPSK

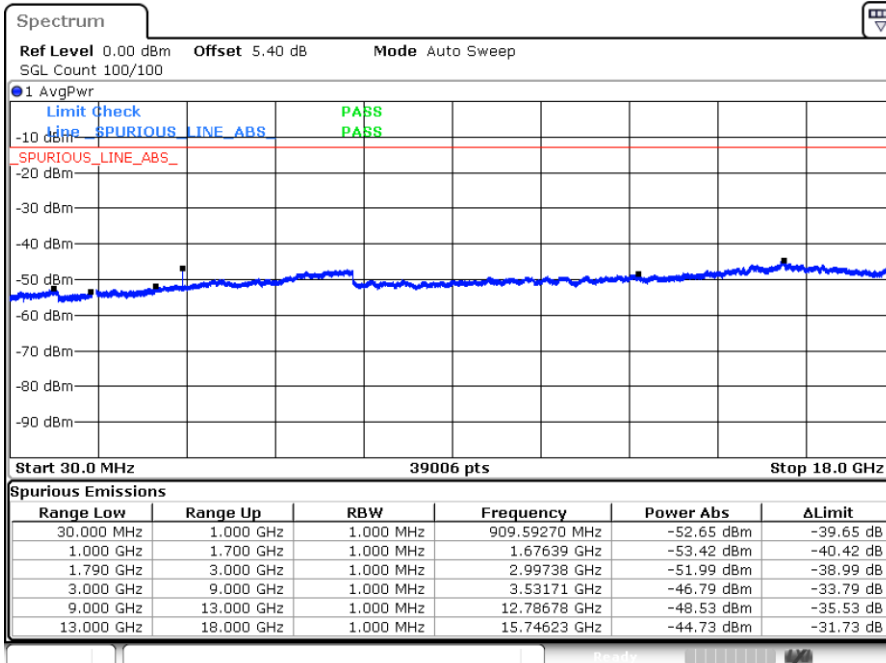
Middle Channel / QPSK



Date: 11.OCT.2022 20:57:22

Date: 11.OCT.2022 21:46:51

Highest Channel / QPSK



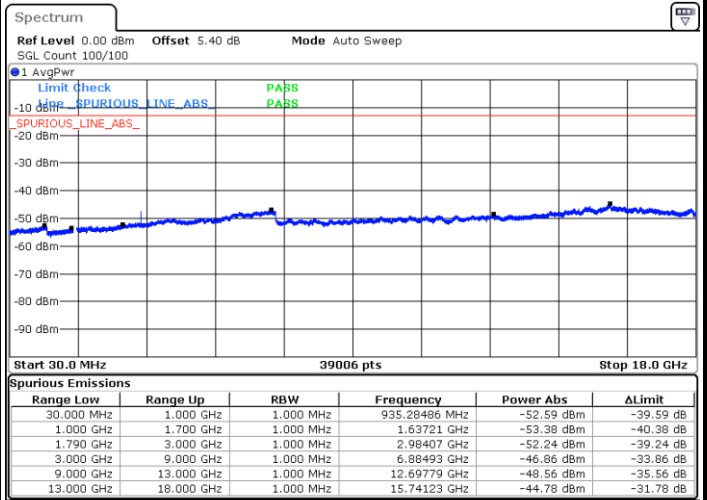
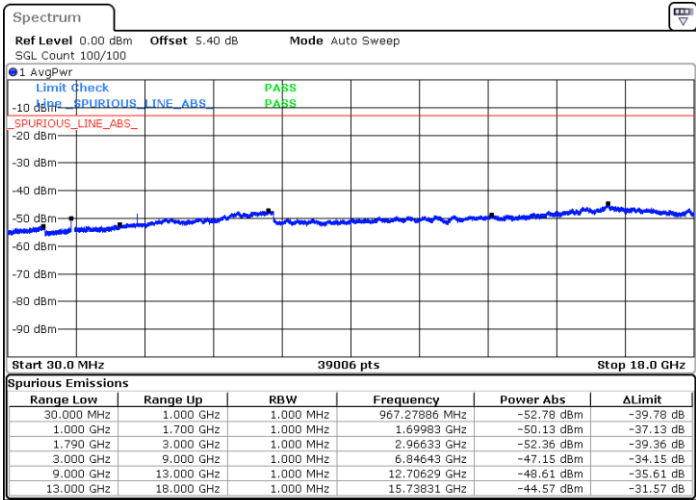
Date: 11.OCT.2022 21:48:14



LTE Band 66 / 20MHz

Lowest Channel / QPSK

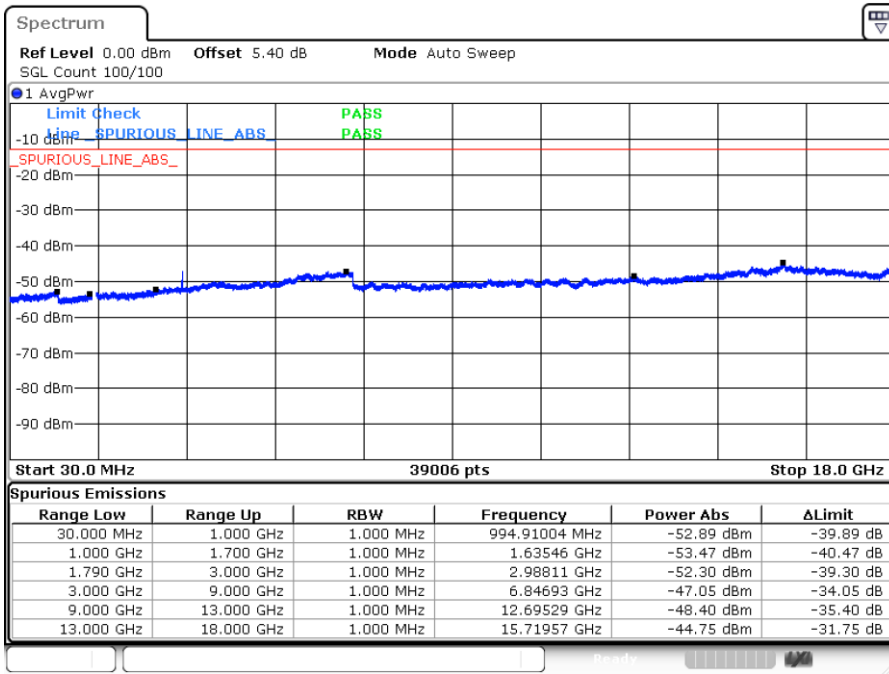
Middle Channel / QPSK



Date: 11.OCT.2022 21:59:40

Date: 11.OCT.2022 22:11:05

Highest Channel / QPSK



Date: 11.OCT.2022 23:07:13



Frequency Stability

| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0017                              | PASS    |
| 40               | Normal Voltage    | 0.0025                              |         |
| 30               | Normal Voltage    | 0.0012                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0013                              |         |
| 0                | Normal Voltage    | 0.0009                              |         |
| -10              | Normal Voltage    | 0.0011                              |         |
| -20              | Normal Voltage    | 0.0002                              |         |
| -30              | Normal Voltage    | 0.0008                              |         |
| 20               | Maximum Voltage   | 0.0016                              |         |
| 20               | Normal Voltage    | 0.0023                              |         |
| 20               | Battery End Point | 0.0019                              |         |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Engineer : | KuangJia | Temperature :       | 22~25°C |
|                 |          | Relative Humidity : | 48~52%  |

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

| LTE Band 12 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1406              | -65.12      | -13           | -52.12            | -73.08            | -68.37             | 4.00                 | 9.40                  | H                  |
|                            | 2109              | -65.51      | -13           | -52.51            | -75.17            | -69.08             | 4.88                 | 10.60                 | H                  |
|                            | 2812              | -63.92      | -13           | -50.92            | -75.78            | -68.85             | 5.52                 | 12.60                 | H                  |
|                            | 1406              | -62.90      | -13           | -49.90            | -70.94            | -66.15             | 4.00                 | 9.40                  | V                  |
|                            | 2109              | -64.96      | -13           | -51.96            | -74.99            | -68.53             | 4.88                 | 10.60                 | V                  |
|                            | 2812              | -63.58      | -13           | -50.58            | -75.68            | -68.51             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 13 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1559.5            | -66.44      | -42.15        | -24.29            | -30.81            | -69.69             | 4.00                 | 9.40                  | H                  |
|                           | 2339.25           | -64.58      | -13           | -51.58            | -29.86            | -68.15             | 4.88                 | 10.60                 | H                  |
|                           | 3119              | -62.89      | -13           | -49.89            | -28.56            | -67.82             | 5.52                 | 12.60                 | H                  |
|                           | 1559.5            | -66.39      | -42.15        | -24.24            | -30.76            | -69.64             | 4.00                 | 9.40                  | V                  |
|                           | 2339.25           | -64.20      | -13           | -51.20            | -29.48            | -67.77             | 4.88                 | 10.60                 | V                  |
|                           | 3119              | -62.64      | -13           | -49.64            | -28.31            | -67.57             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 13 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1559.5            | -66.68      | -42.15        | -24.53            | -31.05            | -69.93             | 4.00                 | 9.40                  | H                  |
|                            | 2339.25           | -64.67      | -13           | -51.67            | -29.95            | -68.24             | 4.88                 | 10.60                 | H                  |
|                            | 3119              | -62.88      | -13           | -49.88            | -28.55            | -67.81             | 5.52                 | 12.60                 | H                  |
|                            | 1559.5            | -66.62      | -42.15        | -24.47            | -30.99            | -69.87             | 4.00                 | 9.40                  | V                  |
|                            | 2339.25           | -64.11      | -13           | -51.11            | -29.39            | -67.68             | 4.88                 | 10.60                 | V                  |
|                            | 3119              | -62.26      | -13           | -49.26            | -27.93            | -67.19             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 25 / 20MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 3747              | -61.64       | -13           | -48.64            | -78.29            | -68.39             | 5.85                 | 12.60                 | H                  |
|                            | 5620.5            | -59.93       | -13           | -46.93            | -79.63            | -65.73             | 7.30                 | 13.10                 | H                  |
|                            | 7494              | -56.36       | -13           | -43.36            | -80.09            | -59.51             | 8.35                 | 11.50                 | H                  |
|                            | 3747              | -61.83       | -13           | -48.83            | -78.08            | -68.58             | 5.85                 | 12.60                 | V                  |
|                            | 5620.5            | -61.25       | -13           | -48.25            | -80.25            | -67.05             | 7.30                 | 13.10                 | V                  |
|                            | 7494              | -54.71       | -13           | -41.71            | -78.83            | -57.86             | 8.35                 | 11.50                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 26 / 15MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1649.5            | -67.31      | -13           | -54.31            | -73.43            | -70.56             | 4.00                 | 9.40                  | H                  |
|                            | 2474.25           | -64.69      | -13           | -51.69            | -74.93            | -68.26             | 4.88                 | 10.60                 | H                  |
|                            | 3299              | -63.18      | -13           | -50.18            | -75.39            | -68.11             | 5.52                 | 12.60                 | H                  |
|                            | 1649.5            | -67.22      | -13           | -54.22            | -73.22            | -70.47             | 4.00                 | 9.40                  | V                  |
|                            | 2474.25           | -64.45      | -13           | -51.45            | -75.04            | -68.02             | 4.88                 | 10.60                 | V                  |
|                            | 3299              | -62.66      | -13           | -49.66            | -75.32            | -67.59             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 66 / 20MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 3492              | -63.77       | -13           | -50.77            | -76.62            | -70.62             | 5.65                 | 12.50                 | H                  |
|                            | 5238              | -62.73       | -13           | -49.73            | -79.46            | -68.40             | 7.13                 | 12.80                 | H                  |
|                            | 6984              | -58.36       | -13           | -45.36            | -79.15            | -61.76             | 8.40                 | 11.80                 | H                  |
|                            | 3492              | -63.28       | -13           | -50.28            | -76.66            | -70.13             | 5.65                 | 12.50                 | V                  |
|                            | 5238              | -62.70       | -13           | -49.70            | -79.37            | -68.37             | 7.13                 | 12.80                 | V                  |
|                            | 6984              | -58.16       | -13           | -45.16            | -79.11            | -61.56             | 8.40                 | 11.80                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.