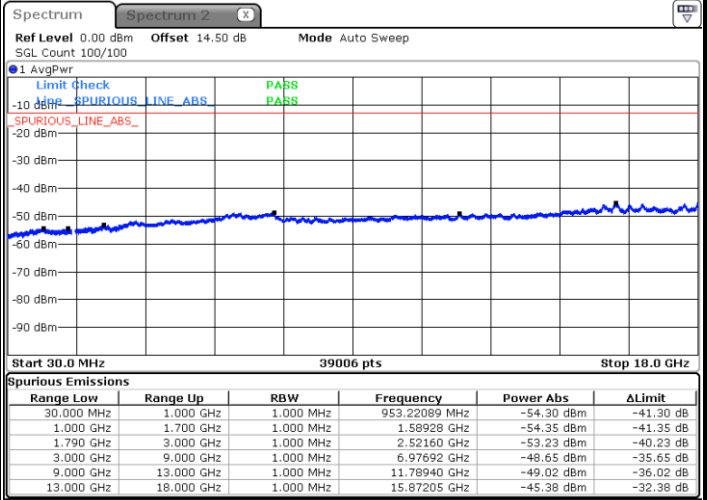
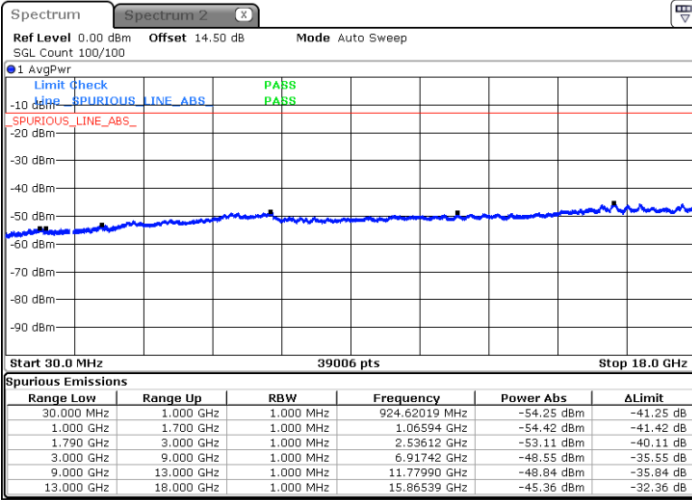




LTE Band 66 / 3MHz

Lowest Channel / QPSK

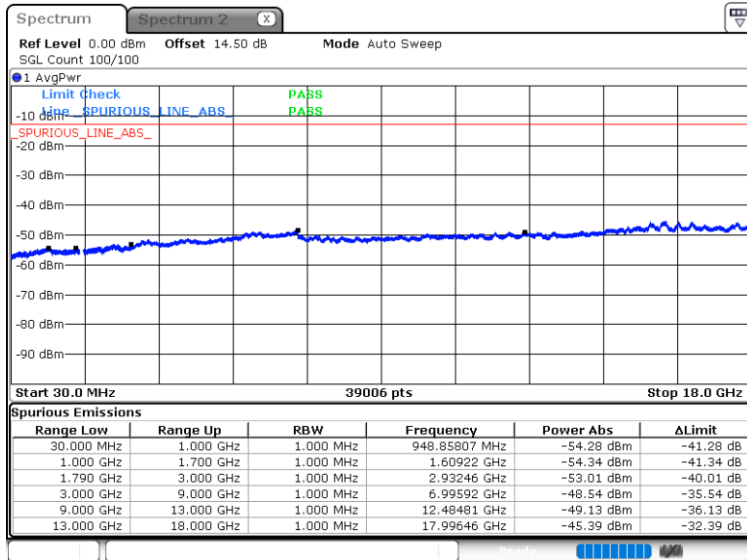
Middle Channel / QPSK



Date: 3.JAN.2024 18:14:29

Date: 3.JAN.2024 18:18:32

Highest Channel / QPSK



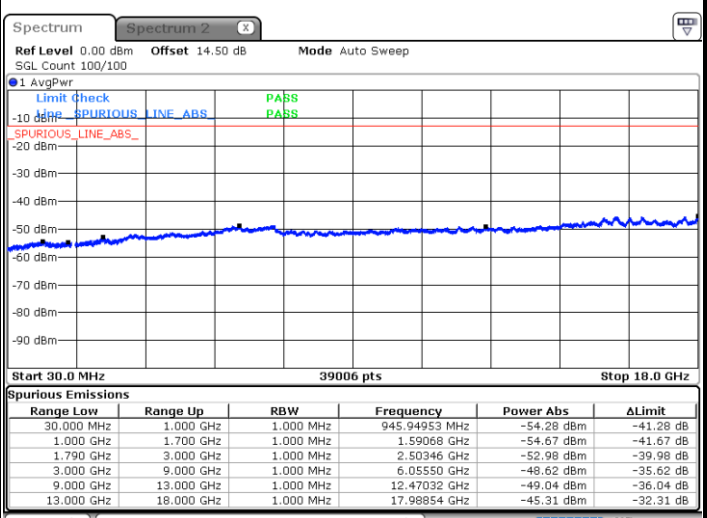
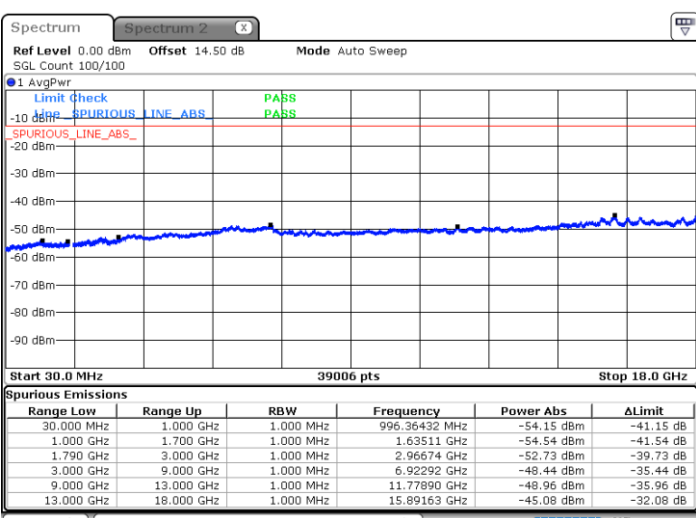
Date: 3.JAN.2024 18:26:48



LTE Band 66 / 5MHz

Lowest Channel / QPSK

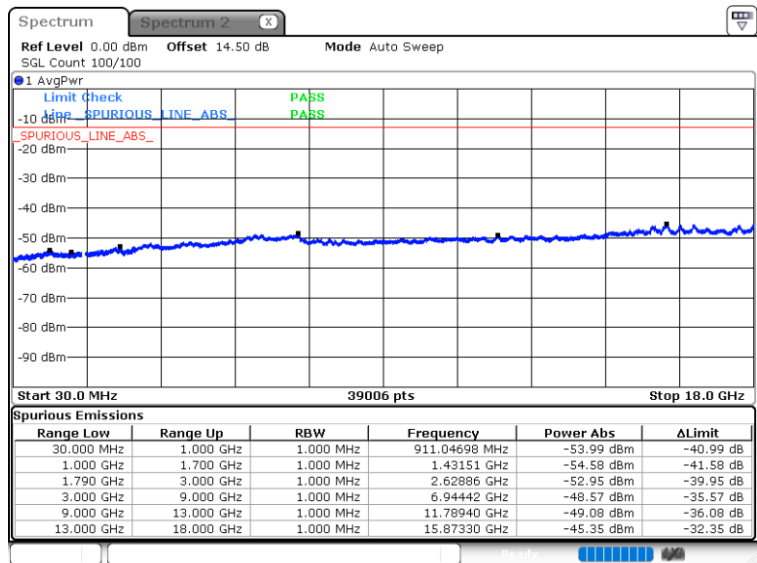
Middle Channel / QPSK



Date: 3.JAN.2024 18:32:13

Date: 3.JAN.2024 18:36:15

Highest Channel / QPSK



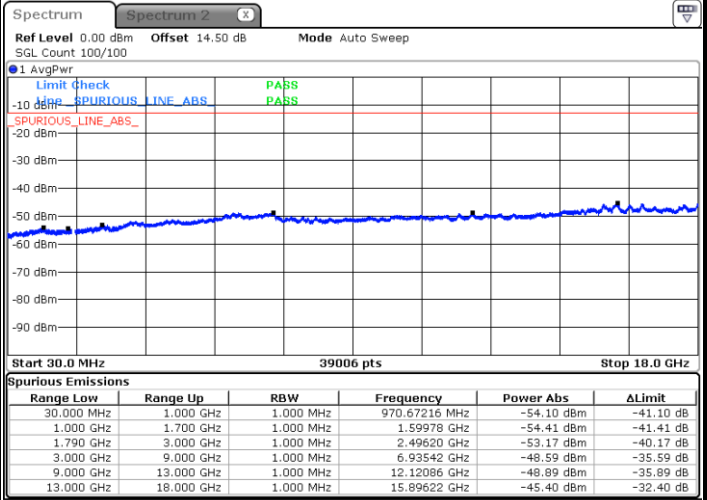
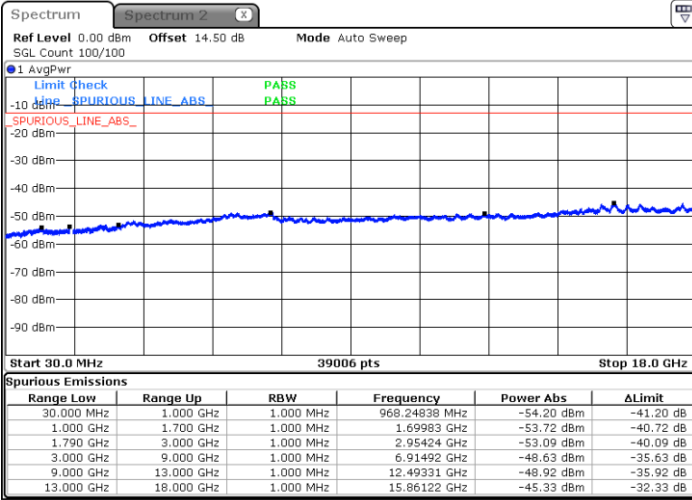
Date: 3.JAN.2024 18:44:31



LTE Band 66 / 10MHz

Lowest Channel / QPSK

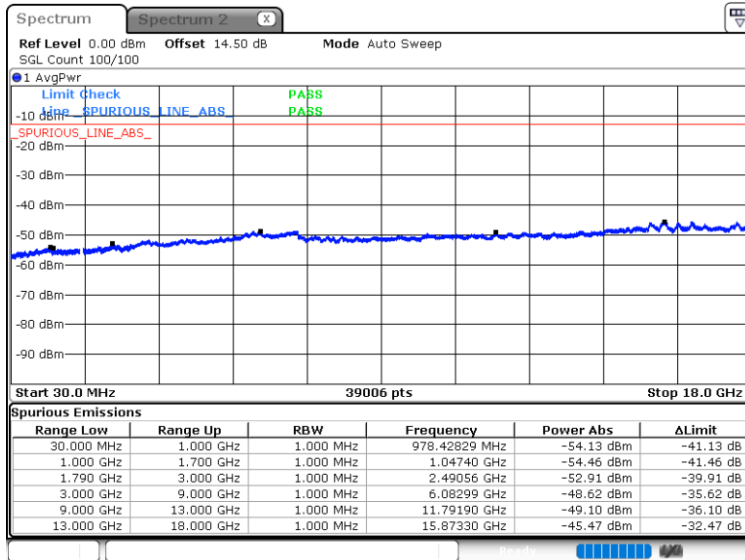
Middle Channel / QPSK



Date: 3.JAN.2024 18:52:13

Date: 3.JAN.2024 18:53:24

Highest Channel / QPSK



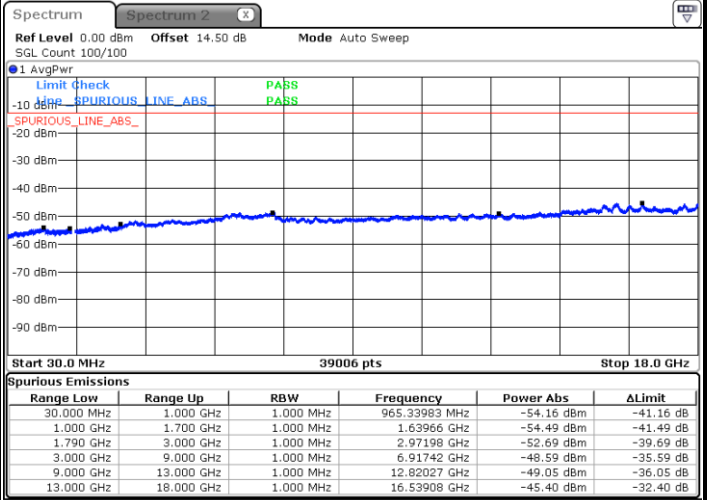
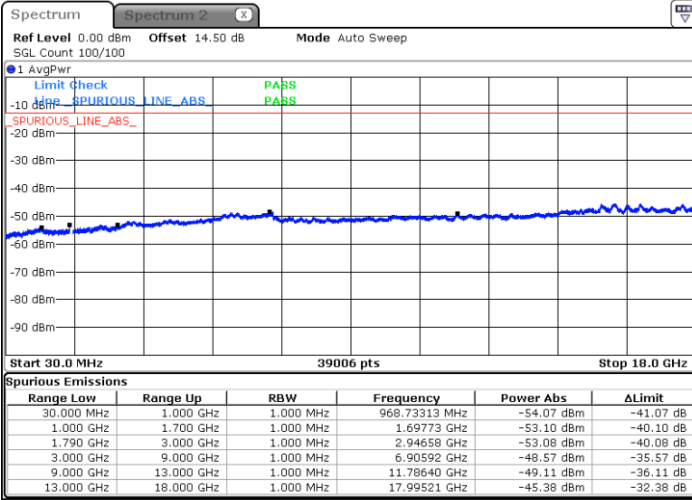
Date: 3.JAN.2024 19:01:40



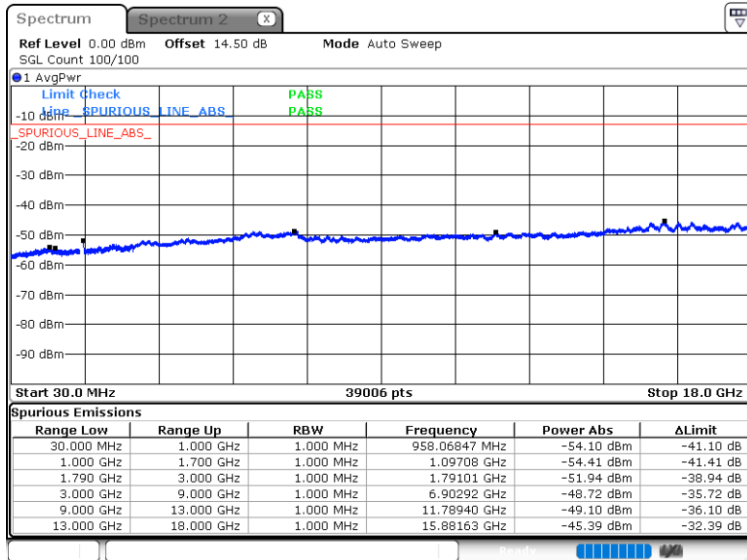
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

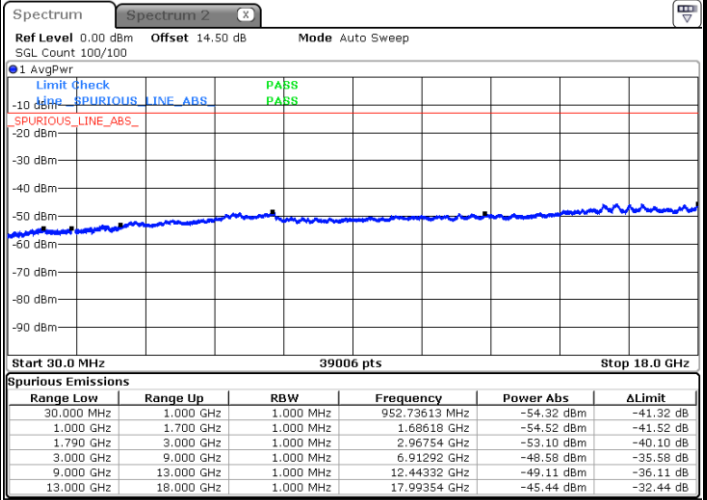
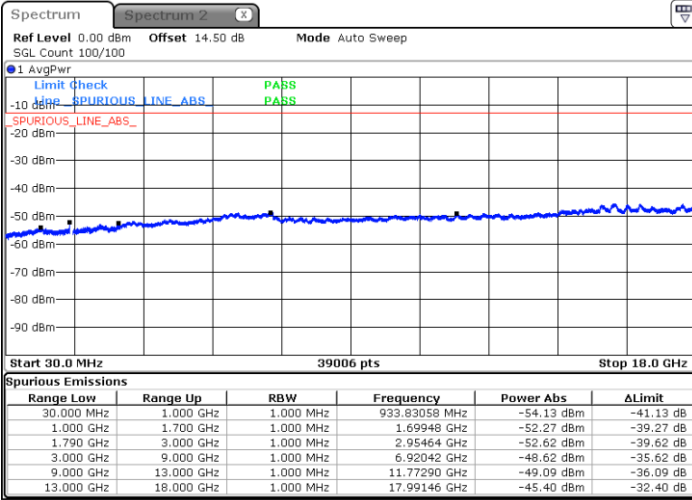




LTE Band 66 / 20MHz

Lowest Channel / QPSK

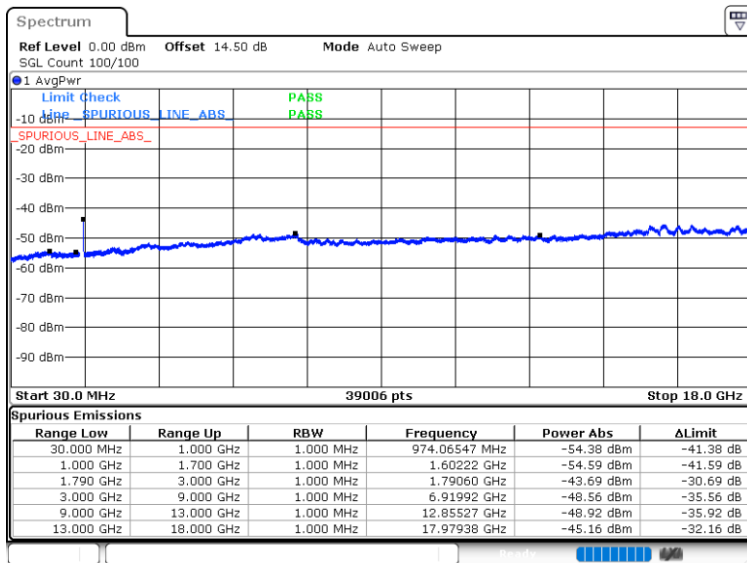
Middle Channel / QPSK



Date: 3.JAN.2024 19:27:05

Date: 3.JAN.2024 19:28:16

Highest Channel / QPSK



Date: 3.JAN.2024 19:37:57



### 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    | 0.0012                              | PASS    |
| 40               | Normal Voltage    | 0.0010                              |         |
| 30               | Normal Voltage    | 0.0019                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0018                              |         |
| 0                | Normal Voltage    | 0.0027                              |         |
| -10              | Normal Voltage    | 0.0026                              |         |
| -20              | Normal Voltage    | 0.0019                              |         |
| -30              | Normal Voltage    | 0.0009                              |         |
| 20               | Maximum Voltage   | 0.0022                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0013                              |         |

**Note:**

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

RSE pretest all the support Antennas, only the worst results are shown in the report.

| LTE Band 2 / 20MHz / 16QAM |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                     | 3742.18           | -57.12       | -13           | -44.12            | -80.16            | -63.87             | 5.85                 | 12.60                 | H                  |
|                            | 5613.27           | -57.87       | -13           | -44.87            | -82.45            | -63.67             | 7.30                 | 13.10                 | H                  |
|                            | 7484.36           | -55.34       | -13           | -42.34            | -82.42            | -58.49             | 8.35                 | 11.50                 | H                  |
|                            | 3742.18           | -54.03       | -13           | -41.03            | -79.08            | -60.78             | 5.85                 | 12.60                 | V                  |
|                            | 5613.27           | -56.63       | -13           | -43.63            | -82.06            | -62.43             | 7.30                 | 13.10                 | V                  |
|                            | 7484.36           | -55.28       | -13           | -42.28            | -82.34            | -58.43             | 8.35                 | 11.50                 | V                  |

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

| LTE Band 12 / 10MHz / 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                     | 1406              | -64.90       | -13           | -51.90            | -76.16            | -68.15             | 4.00                 | 9.40                  | H                  |
|                            | 2109              | -59.51       | -13           | -46.51            | -77.66            | -63.08             | 4.88                 | 10.60                 | H                  |
|                            | 2812              | -58.78       | -13           | -45.78            | -78.22            | -63.71             | 5.52                 | 12.60                 | H                  |
|                            | 1406              | -63.68       | -13           | -50.68            | -76.00            | -66.93             | 4.00                 | 9.40                  | V                  |
|                            | 2109              | -59.87       | -13           | -46.87            | -77.81            | -63.44             | 4.88                 | 10.60                 | V                  |
|                            | 2812              | -58.50       | -13           | -45.50            | -78.75            | -63.43             | 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 ) | 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                    | 1559.5            | -65.47       | -42.15        | -23.32            | -77.25            | -68.72             | 4.00                 | 9.40                  | H                  |
|                           | 2339.25           | -60.55       | -13           | -47.55            | -79.16            | -64.12             | 4.88                 | 10.60                 | H                  |
|                           | 3119              | -58.98       | -13           | -45.98            | -79.30            | -63.91             | 5.52                 | 12.60                 | H                  |
|                           | 1559.5            | -64.66       | -42.15        | -22.51            | -77.06            | -67.91             | 4.00                 | 9.40                  | V                  |
|                           | 2339.25           | -60.48       | -13           | -47.48            | -79.46            | -64.05             | 4.88                 | 10.60                 | V                  |
|                           | 3119              | -57.63       | -13           | -44.63            | -79.75            | -62.56             | 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 ) | 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                     | 1559.5            | -65.38       | -42.15        | -23.23            | -77.16            | -68.63             | 4.00                 | 9.40                  | H                  |
|                            | 2339.25           | -60.41       | -13           | -47.41            | -79.02            | -63.98             | 4.88                 | 10.60                 | H                  |
|                            | 3119              | -59.22       | -13           | -46.22            | -79.54            | -64.15             | 5.52                 | 12.60                 | H                  |
|                            | 1559.5            | -64.61       | -42.15        | -22.46            | -77.01            | -67.86             | 4.00                 | 9.40                  | V                  |
|                            | 2339.25           | -60.20       | -13           | -47.20            | -79.18            | -63.77             | 4.88                 | 10.60                 | V                  |
|                            | 3119              | -57.64       | -13           | -44.64            | -79.76            | -62.57             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 26 / 15MHz / 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                     | 1659.5            | -63.85       | -13           | -50.85            | -76.05            | -67.10             | 4.00                 | 9.40                  | H                  |
|                            | 2489.25           | -59.20       | -13           | -46.20            | -78.58            | -62.77             | 4.88                 | 10.60                 | H                  |
|                            | 3319              | -58.07       | -13           | -45.07            | -79.22            | -63.00             | 5.52                 | 12.60                 | H                  |
|                            | 1659.5            | -63.21       | -13           | -50.21            | -76.08            | -66.46             | 4.00                 | 9.40                  | V                  |
|                            | 2489.25           | -58.78       | -13           | -45.78            | -78.42            | -62.35             | 4.88                 | 10.60                 | V                  |
|                            | 3319              | -57.06       | -13           | -44.06            | -78.91            | -61.99             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 5 / 10MHz / 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                    | 1664.18           | -65.01       | -13           | -52.01            | -77.21            | -68.26             | 4.00                 | 9.40                  | H                  |
|                           | 2496.27           | -60.29       | -13           | -47.29            | -79.66            | -63.86             | 4.88                 | 10.60                 | H                  |
|                           | 3328.36           | -59.05       | -13           | -46.05            | -80.30            | -63.98             | 5.52                 | 12.60                 | H                  |
|                           | 1664.18           | -64.16       | -13           | -51.16            | -77.03            | -67.41             | 4.00                 | 9.40                  | V                  |
|                           | 2496.27           | -59.90       | -13           | -46.90            | -79.53            | -63.47             | 4.88                 | 10.60                 | V                  |
|                           | 3328.36           | -58.44       | -13           | -45.44            | -80.19            | -63.37             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 66 / 20MHz / QPSK / Main PA |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                               | 3472              | -58.81       | -13           | -45.81            | -81.06            | -65.66             | 5.65                 | 12.50                 | H                  |
|                                      | 5208              | -57.12       | -13           | -44.12            | -82.03            | -62.79             | 7.13                 | 12.80                 | H                  |
|                                      | 6944              | -56.09       | -13           | -43.09            | -82.42            | -59.49             | 8.40                 | 11.80                 | H                  |
|                                      | 3472              | -58.04       | -13           | -45.04            | -80.09            | -64.89             | 5.65                 | 12.50                 | V                  |
|                                      | 5208              | -56.56       | -13           | -43.56            | -81.64            | -62.23             | 7.13                 | 12.80                 | V                  |
|                                      | 6944              | -55.48       | -13           | -42.48            | -82.54            | -58.88             | 8.40                 | 11.80                 | V                  |

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





| LTE Band DC_66_N7A / QPSK / Other PA |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| B66<br>Middle                        | 3472              | -58.07       | -13           | -45.07            | -80.32            | -64.92             | 5.65                 | 12.50                 | H                  |
|                                      | 5208              | -56.91       | -13           | -43.91            | -81.82            | -62.58             | 7.13                 | 12.80                 | H                  |
|                                      | 6944              | -55.23       | -13           | -42.23            | -81.56            | -58.63             | 8.40                 | 11.80                 | H                  |
|                                      | 3472              | -57.19       | -13           | -44.19            | -79.24            | -64.04             | 5.65                 | 12.50                 | V                  |
|                                      | 5208              | -56.98       | -13           | -43.98            | -82.06            | -62.65             | 7.13                 | 12.80                 | V                  |
|                                      | 6944              | -54.70       | -13           | -41.70            | -81.76            | -58.10             | 8.40                 | 11.80                 | V                  |
| N7<br>Middle                         | 5051.50           | -57.42       | -25           | -32.42            | -81.37            | -62.98             | 7.14                 | 12.70                 | H                  |
|                                      | 7577.25           | -55.27       | -25           | -30.27            | -81.97            | -58.57             | 8.30                 | 11.60                 | H                  |
|                                      | 10103.00          | -52.21       | -25           | -27.21            | -83.12            | -53.73             | 10.48                | 12.00                 | H                  |
|                                      | 5051.50           | -56.53       | -25           | -31.53            | -81.81            | -62.09             | 7.14                 | 12.70                 | V                  |
|                                      | 7577.25           | -54.84       | -25           | -29.84            | -81.54            | -58.14             | 8.30                 | 11.60                 | V                  |
|                                      | 10103.00          | -51.13       | -25           | -26.13            | -82.97            | -52.65             | 10.48                | 12.00                 | V                  |

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