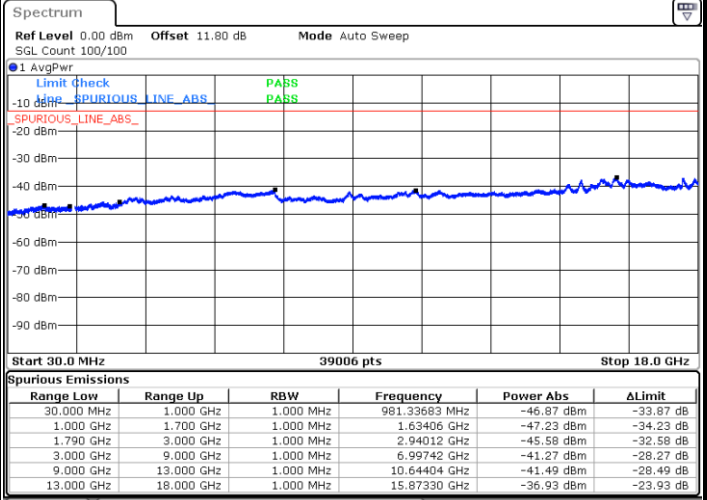
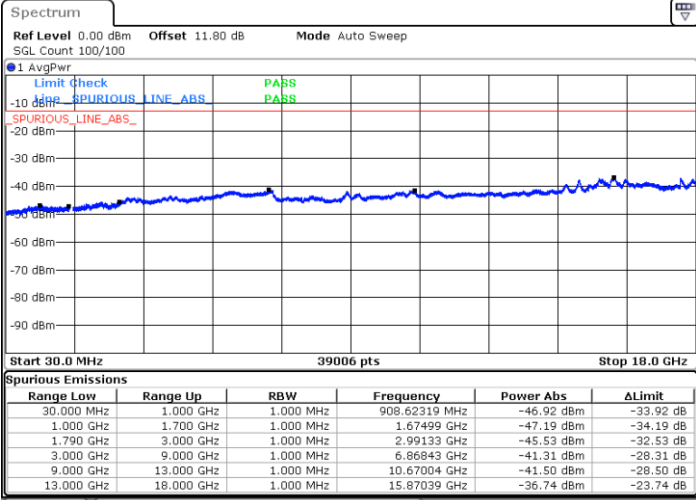




LTE Band 66 / 10MHz

Lowest Channel / QPSK

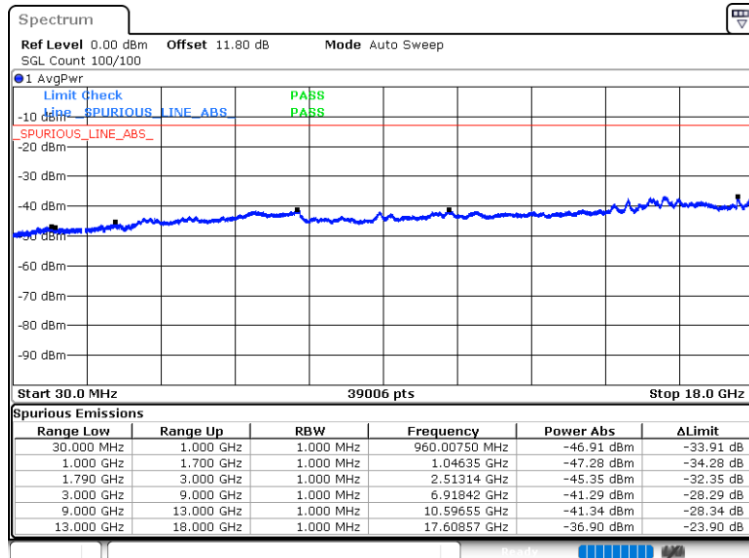
Middle Channel / QPSK



Date: 2.FEB.2021 11:05:19

Date: 2.FEB.2021 11:07:19

Highest Channel / QPSK



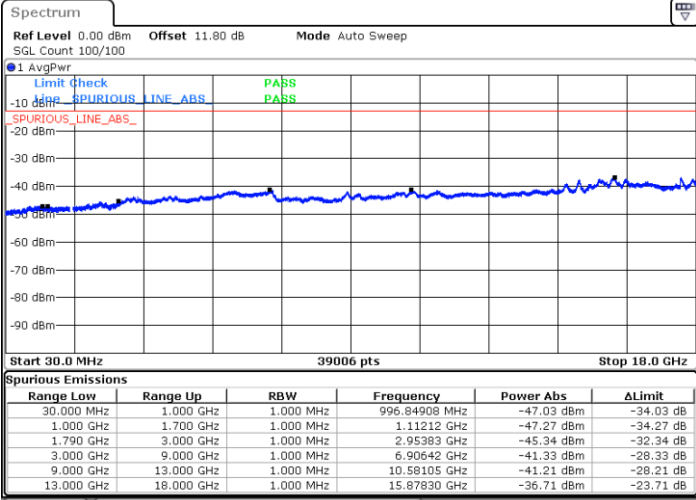
Date: 2.FEB.2021 11:10:32



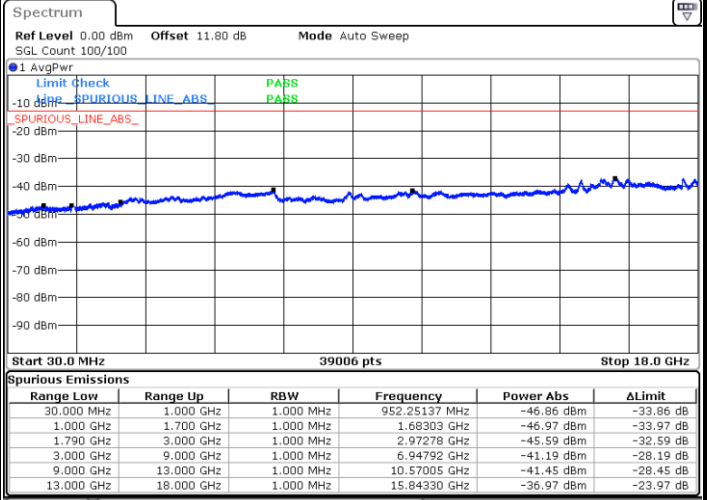
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

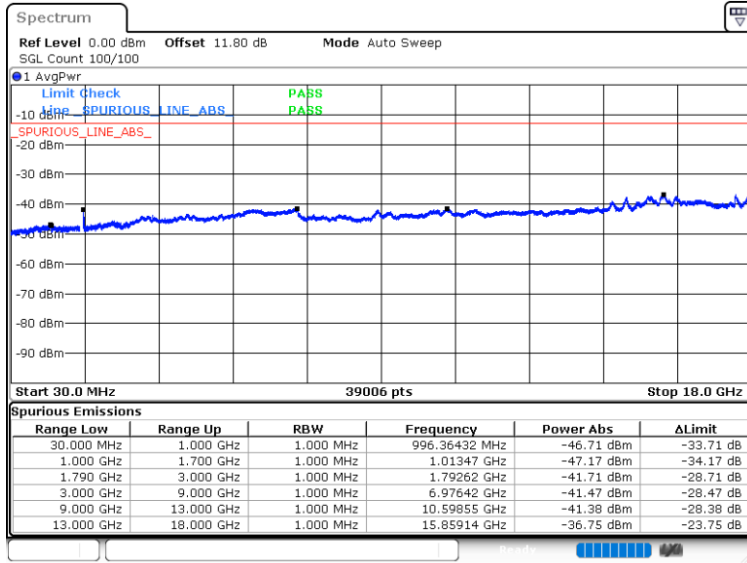


Date: 2.FEB.2021 11:19:02



Date: 2.FEB.2021 11:21:02

Highest Channel / QPSK



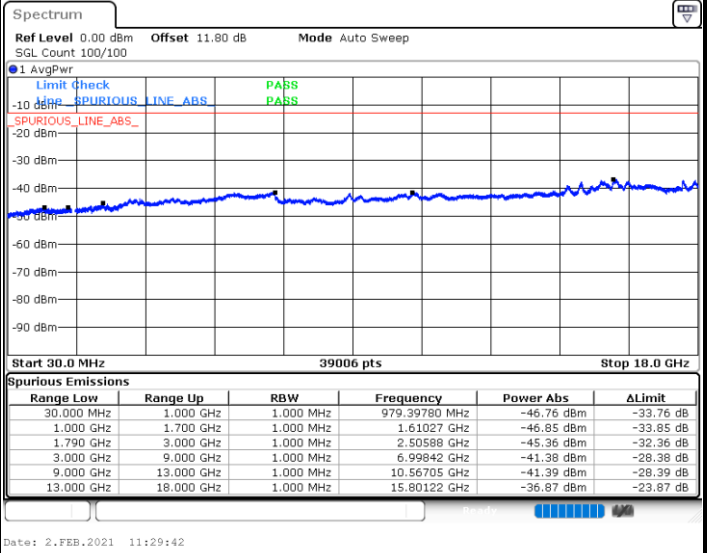
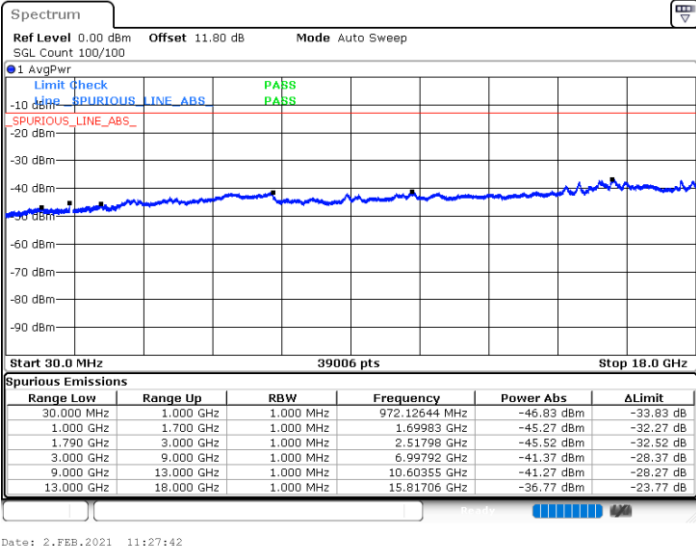
Date: 2.FEB.2021 11:24:15



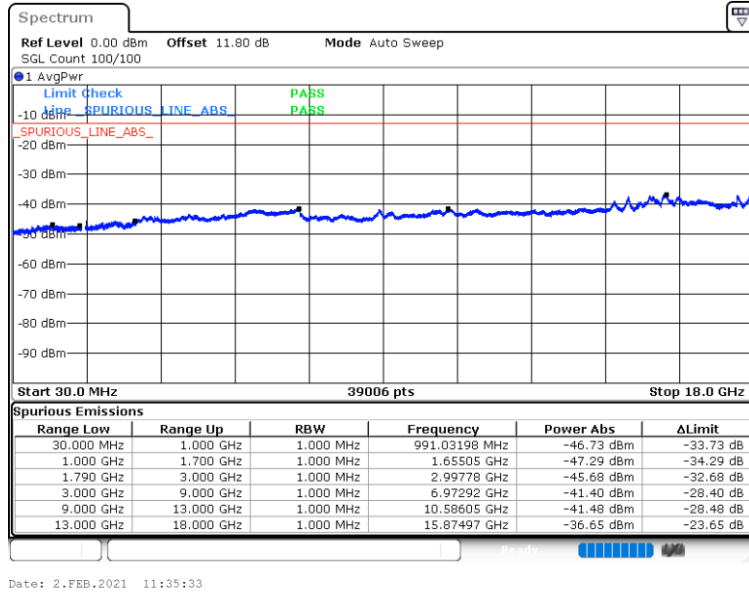
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### 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    | 0.0013                              | PASS    |
| 40               | Normal Voltage    | 0.0042                              |         |
| 30               | Normal Voltage    | 0.0048                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0000                              |         |
| 0                | Normal Voltage    | 0.0060                              |         |
| -10              | Normal Voltage    | 0.0034                              |         |
| -20              | Normal Voltage    | 0.0029                              |         |
| -30              | Normal Voltage    | 0.0006                              |         |
| 20               | Maximum Voltage   | 0.0040                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0033                              |         |

**Note:**

- 1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### LTE Band 2

| LTE Band 2 / 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) |
| Lowest                    | 3702              | -46.79       | -13           | -33.79            | -64.06            | -58.58             | 0.72                 | 12.52                 | H                  |
|                           | 5556              | -50.17       | -13           | -37.17            | -72.12            | -62.34             | 1.00                 | 13.17                 | H                  |
|                           | 7404              | -51.59       | -13           | -38.59            | -76.5             | -60.98             | 1.18                 | 10.57                 | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           | 3702              | -47.64       | -13           | -34.64            | -66.11            | -59.43             | 0.72                 | 12.52                 | V                  |
|                           | 5556              | -50.16       | -13           | -37.16            | -72.24            | -62.33             | 1.00                 | 13.17                 | V                  |
|                           | 7404              | -51.84       | -13           | -38.84            | -76.55            | -61.23             | 1.18                 | 10.57                 | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle                    | 3744              | -45.42       | -13           | -32.42            | -62.82            | -57.22             | 0.70                 | 12.50                 | H                  |
|                           | 5616              | -50.94       | -13           | -37.94            | -72.83            | -63.09             | 0.98                 | 13.13                 | H                  |
|                           | 7484              | -51.63       | -13           | -38.63            | -76.27            | -60.88             | 1.18                 | 10.43                 | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           | 3744              | -48.13       | -13           | -35.13            | -66.72            | -59.93             | 0.70                 | 12.50                 | V                  |
|                           | 5616              | -51.87       | -13           | -38.87            | -73.93            | -64.02             | 0.98                 | 13.13                 | V                  |
|                           | 7484              | -51.73       | -13           | -38.73            | -76.45            | -60.98             | 1.18                 | 10.43                 | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3780 | -45.71 | -13 | -32.71 | -63.19 | -57.52 | 0.68 | 12.49 | H |
|         | 5676 | -45.88 | -13 | -32.88 | -67.82 | -57.99 | 0.99 | 13.09 | H |
|         | 7564 | -51.53 | -13 | -38.53 | -76.25 | -60.93 | 1.18 | 10.58 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3780 | -47.31 | -13 | -34.31 | -66    | -59.12 | 0.68 | 12.49 | V |
|         | 5676 | -47.57 | -13 | -34.57 | -69.7  | -59.68 | 0.99 | 13.09 | V |
|         | 7564 | -51.58 | -13 | -38.58 | -76.17 | -60.98 | 1.18 | 10.58 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



**LTE Band 4**

| LTE Band 4 / 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) |
| Lowest                    | 3420              | -48.84       | -13           | -35.84            | -66.2             | -60.43             | 0.77                 | 12.36                 | H                  |
|                           | 5136              | -54.34       | -13           | -41.34            | -75.37            | -65.84             | 0.97                 | 12.47                 | H                  |
|                           | 6846              | -52.61       | -13           | -39.61            | -76.55            | -63.43             | 0.82                 | 11.64                 | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           | 3420              | -48.68       | -13           | -35.68            | -65.85            | -60.27             | 0.77                 | 12.36                 | V                  |
|                           | 5136              | -52.20       | -13           | -39.20            | -73.4             | -63.7              | 0.97                 | 12.47                 | V                  |
|                           | 6846              | -51.28       | -13           | -38.28            | -75.71            | -62.1              | 0.82                 | 11.64                 | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle                    | 3450              | -45.11       | -13           | -32.11            | -62.5             | -56.78             | 0.78                 | 12.45                 | H                  |
|                           | 5172              | -51.98       | -13           | -38.98            | -73.05            | -63.54             | 0.98                 | 12.54                 | H                  |
|                           | 6894              | -52.58       | -13           | -39.58            | -76.63            | -63.19             | 0.93                 | 11.53                 | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           | 3450              | -47.88       | -13           | -34.88            | -65.53            | -59.55             | 0.78                 | 12.45                 | V                  |
|                           | 5172              | -48.01       | -13           | -35.01            | -69.25            | -59.57             | 0.98                 | 12.54                 | V                  |
|                           | 6894              | -52.02       | -13           | -39.02            | -76.49            | -62.63             | 0.93                 | 11.53                 | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3474 | -42.27 | -13 | -29.27 | -59.71 | -54.01 | 0.78 | 12.52 | H |
|         | 5208 | -54.00 | -13 | -41.00 | -75.11 | -65.62 | 0.99 | 12.62 | H |
|         | 6944 | -51.89 | -13 | -38.89 | -76.03 | -62.27 | 1.04 | 11.42 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3474 | -46.95 | -13 | -33.95 | -64.97 | -58.69 | 0.78 | 12.52 | V |
|         | 5208 | -47.82 | -13 | -34.82 | -69.11 | -59.44 | 0.99 | 12.62 | V |
|         | 6944 | -51.98 | -13 | -38.98 | -76.48 | -62.36 | 1.04 | 11.42 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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





### LTE Band 5

| LTE Band 5 / 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) |
| Lowest                    | 1649              | -62.38      | -13           | -49.38            | -72.48            | -69.33             | 0.53                 | 9.63                  | H                  |
|                           | 2473              | -60.64      | -13           | -47.64            | -74.33            | -68.62             | 0.65                 | 10.78                 | H                  |
|                           | 3298              | -58.63      | -13           | -45.63            | -74.99            | -67.72             | 0.76                 | 11.99                 | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           | 1649              | -63.11      | -13           | -50.11            | -72.91            | -70.06             | 0.53                 | 9.63                  | V                  |
|                           | 2473              | -60.04      | -13           | -47.04            | -74.26            | -68.02             | 0.65                 | 10.78                 | V                  |
|                           | 3298              | -58.64      | -13           | -45.64            | -74.97            | -67.73             | 0.76                 | 11.99                 | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle                    | 1664              | -61.65      | -13           | -48.65            | -71.89            | -68.63             | 0.53                 | 9.66                  | H                  |
|                           | 2496              | -60.35      | -13           | -47.35            | -74               | -68.34             | 0.65                 | 10.80                 | H                  |
|                           | 3328              | -58.74      | -13           | -45.74            | -75.19            | -67.91             | 0.76                 | 12.08                 | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           | 1664              | -62.84      | -13           | -49.84            | -72.67            | -69.82             | 0.53                 | 9.66                  | V                  |
|                           | 2496              | -60.08      | -13           | -47.08            | -74.17            | -68.07             | 0.65                 | 10.80                 | V                  |
|                           | 3328              | -58.58      | -13           | -45.58            | -74.86            | -67.75             | 0.76                 | 12.08                 | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1679 | -60.87 | -13 | -47.87 | -71.25 | -67.88 | 0.53 | 9.69  | H |
|         | 2518 | -60.49 | -13 | -47.49 | -74.16 | -68.49 | 0.66 | 10.81 | H |
|         | 3358 | -58.45 | -13 | -45.45 | -74.93 | -67.71 | 0.77 | 12.17 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1679 | -63.10 | -13 | -50.10 | -72.96 | -70.11 | 0.53 | 9.69  | V |
|         | 2518 | -60.21 | -13 | -47.21 | -74.29 | -68.21 | 0.66 | 10.81 | V |
|         | 3358 | -58.13 | -13 | -45.13 | -74.33 | -67.39 | 0.77 | 12.17 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



### LTE Band 7

| LTE Band 7 / 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) |
| Lowest                    | 5002              | -54.02       | -25           | -29.02            | -74.9             | -65.29             | 0.94                 | 12.20                 | H                  |
|                           | 7503              | -43.50       | -25           | -18.50            | -68.09            | -52.73             | 1.18                 | 10.41                 | H                  |
|                           | 10004             | -47.37       | -25           | -22.37            | -78.7             | -58.1              | 1.37                 | 12.09                 | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           | 5002              | -55.56       | -25           | -30.56            | -76.62            | -66.83             | 0.94                 | 12.20                 | V                  |
|                           | 7503              | -41.47       | -25           | -16.47            | -66.19            | -50.7              | 1.18                 | 10.41                 | V                  |
|                           | 10004             | -45.68       | -25           | -20.68            | -78.68            | -56.41             | 1.37                 | 12.09                 | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle                    | 5052              | -53.97       | -25           | -28.97            | -74.88            | -65.32             | 0.95                 | 12.30                 | H                  |
|                           | 7578              | -46.32       | -25           | -21.32            | -71.08            | -55.76             | 1.18                 | 10.62                 | H                  |
|                           | 10104             | -46.64       | -25           | -21.64            | -77.83            | -57.17             | 1.38                 | 11.90                 | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                           | 5052              | -57.12       | -25           | -32.12            | -77.24            | -68.47             | 0.95                 | 12.30                 | V                  |
|                           | 7578              | -45.54       | -25           | -20.54            | -70.09            | -54.98             | 1.18                 | 10.62                 | V                  |
|                           | 10104             | -45.35       | -25           | -20.35            | -78.26            | -55.88             | 1.38                 | 11.90                 | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 5102  | -54.52 | -25 | -29.52 | -75.5  | -65.96 | 0.96 | 12.40 | H |
|         | 7653  | -44.33 | -25 | -19.33 | -69.25 | -53.97 | 1.18 | 10.83 | H |
|         | 10204 | -46.63 | -25 | -21.63 | -77.7  | -56.96 | 1.39 | 11.71 | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         | 5102  | -56.32 | -25 | -31.32 | -77.49 | -67.76 | 0.96 | 12.40 | V |
|         | 7653  | -42.46 | -25 | -17.46 | -67.16 | -52.1  | 1.18 | 10.83 | V |
|         | 10204 | -45.24 | -25 | -20.24 | -78.06 | -55.57 | 1.39 | 11.71 | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |

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



**LTE Band 12**

| 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) |
| Lowest                     | 1399              | -60.58      | -13.00        | -47.58            | -72.05            | -66.62             | 0.50                 | 8.69                  | H                  |
|                            | 2098              | -61.20      | -13.00        | -48.20            | -74.71            | -68.94             | 0.59                 | 10.48                 | H                  |
|                            | 2798              | -60.41      | -13.00        | -47.41            | -75.12            | -68.54             | 0.70                 | 10.98                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1399              | -60.97      | -13.00        | -47.97            | -72.49            | -67.01             | 0.50                 | 8.69                  | V                  |
|                            | 2098              | -61.26      | -13.00        | -48.26            | -74.68            | -69.00             | 0.59                 | 10.48                 | V                  |
|                            | 2798              | -59.87      | -13.00        | -46.87            | -74.99            | -68.00             | 0.70                 | 10.98                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle                     | 1406              | -60.73      | -13.00        | -47.73            | -72.31            | -66.82             | 0.50                 | 8.74                  | H                  |
|                            | 2109              | -60.75      | -13.00        | -47.75            | -74.55            | -68.50             | 0.59                 | 10.49                 | H                  |
|                            | 2812              | -59.67      | -13.00        | -46.67            | -74.43            | -67.80             | 0.70                 | 10.99                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1406              | -60.67      | -13.00        | -47.67            | -72.15            | -66.76             | 0.50                 | 8.74                  | V                  |
|                            | 2109              | -61.02      | -13.00        | -48.02            | -74.64            | -68.77             | 0.59                 | 10.49                 | V                  |
|                            | 2812              | -59.74      | -13.00        | -46.74            | -74.87            | -67.87             | 0.70                 | 10.99                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |        |        |        |        |      |       |   |
|---------|------|--------|--------|--------|--------|--------|------|-------|---|
| Highest | 1391 | -60.82 | -13.00 | -47.82 | -72.30 | -66.82 | 0.50 | 8.65  | H |
|         | 2086 | -61.14 | -13.00 | -48.14 | -74.36 | -68.87 | 0.59 | 10.47 | H |
|         | 2782 | -60.00 | -13.00 | -47.00 | -74.62 | -68.12 | 0.70 | 10.97 | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         | 1391 | -61.14 | -13.00 | -48.14 | -72.58 | -67.14 | 0.50 | 8.65  | V |
|         | 2086 | -61.81 | -13.00 | -48.81 | -74.99 | -69.54 | 0.59 | 10.47 | V |
|         | 2782 | -59.63 | -13.00 | -46.63 | -74.66 | -67.75 | 0.70 | 10.97 | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |

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



**LTE Band 13**

| 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) |
| Lowest                    | 1559              | -62.71      | -42.15        | -20.56            | -73.38            | -69.48             | 0.51                 | 9.43                  | H                  |
|                           | 2328              | -60.94      | -13           | -47.94            | -75.31            | -68.83             | 0.62                 | 10.66                 | H                  |
|                           | 3118              | -59.68      | -13           | -46.68            | -75.52            | -68.24             | 0.74                 | 11.45                 | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           | 1559              | -63.78      | -42.15        | -21.63            | -73.89            | -70.55             | 0.51                 | 9.43                  | V                  |
|                           | 2328              | -60.12      | -13           | -47.12            | -74.97            | -68.01             | 0.62                 | 10.66                 | V                  |
|                           | 3118              | -59.73      | -13           | -46.73            | -75.74            | -68.29             | 0.74                 | 11.45                 | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle                    | 1564              | -63.34      | -42.15        | -21.19            | -74.00            | -70.12             | 0.52                 | 9.44                  | H                  |
|                           | 2346              | -60.53      | -13           | -47.53            | -74.77            | -68.43             | 0.62                 | 10.68                 | H                  |
|                           | 3128              | -60.07      | -13           | -47.07            | -75.91            | -68.66             | 0.74                 | 11.48                 | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                           | 1564              | -63.91      | -42.15        | -21.76            | -73.97            | -70.69             | 0.52                 | 9.44                  | V                  |
|                           | 2346              | -60.63      | -13           | -47.63            | -75.45            | -68.53             | 0.62                 | 10.68                 | V                  |
|                           | 3128              | -59.94      | -13           | -46.94            | -76.02            | -68.53             | 0.74                 | 11.48                 | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                           |                   |             |               |                   |                   |                    |                      | V                     |                    |



|         |      |        |        |        |        |        |      |       |   |
|---------|------|--------|--------|--------|--------|--------|------|-------|---|
| Highest | 1569 | -62.94 | -42.15 | -20.79 | -73.14 | -69.73 | 0.52 | 9.45  | H |
|         | 2353 | -60.97 | -13    | -47.97 | -75.21 | -68.88 | 0.63 | 10.68 | H |
|         | 3138 | -59.59 | -13    | -46.59 | -75.51 | -68.21 | 0.74 | 11.51 | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         | 1569 | -64.04 | -42.15 | -21.89 | -74.05 | -70.83 | 0.52 | 9.45  | V |
|         | 2353 | -60.28 | -13    | -47.28 | -75.07 | -68.19 | 0.63 | 10.68 | V |
|         | 3138 | -59.60 | -13    | -46.60 | -75.75 | -68.22 | 0.74 | 11.51 | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | 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                     | 1564              | -62.76      | -42.15        | -20.61            | -73.41            | -69.54             | 0.52                 | 9.44                  | H                  |
|                            | 2346              | -60.66      | -13           | -47.66            | -74.9             | -68.56             | 0.62                 | 10.68                 | H                  |
|                            | 3128              | -58.74      | -13           | -45.74            | -74.58            | -67.33             | 0.74                 | 11.48                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1564              | -63.42      | -42.15        | -21.27            | -73.47            | -70.2              | 0.52                 | 9.44                  | V                  |
|                            | 2346              | -59.72      | -13           | -46.72            | -74.54            | -67.62             | 0.62                 | 10.68                 | V                  |
|                            | 3128              | -59.35      | -13           | -46.35            | -75.43            | -67.94             | 0.74                 | 11.48                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |

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



**LTE Band 17**

| LTE Band 17 / 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) |
| Lowest                     | 1409              | -60.92      | -13           | -47.92            | -72.50            | -67.02             | 0.50                 | 8.75                  | H                  |
|                            | 2113              | -60.92      | -13           | -47.92            | -74.73            | -68.67             | 0.59                 | 10.49                 | H                  |
|                            | 2818              | -60.31      | -13           | -47.31            | -75.06            | -68.44             | 0.71                 | 10.99                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1409              | -61.00      | -13           | -48.00            | -72.45            | -67.10             | 0.50                 | 8.75                  | V                  |
|                            | 2113              | -61.24      | -13           | -48.24            | -74.96            | -68.99             | 0.59                 | 10.49                 | V                  |
|                            | 2818              | -59.64      | -13           | -46.64            | -74.77            | -67.77             | 0.71                 | 10.99                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle                     | 1411              | -60.52      | -13           | -47.52            | -72.10            | -66.63             | 0.50                 | 8.77                  | H                  |
|                            | 2116              | -61.00      | -13           | -48.00            | -74.81            | -68.75             | 0.59                 | 10.49                 | H                  |
|                            | 2822              | -60.07      | -13           | -47.07            | -74.82            | -68.21             | 0.71                 | 10.99                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1411              | -60.87      | -13           | -47.87            | -72.30            | -66.98             | 0.50                 | 8.77                  | V                  |
|                            | 2116              | -60.72      | -13           | -47.72            | -74.50            | -68.47             | 0.59                 | 10.49                 | V                  |
|                            | 2822              | -60.02      | -13           | -47.02            | -75.15            | -68.16             | 0.71                 | 10.99                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1413 | -60.59 | -13 | -47.59 | -72.18 | -66.72 | 0.50 | 8.78  | H |
|         | 2119 | -60.88 | -13 | -47.88 | -74.69 | -68.63 | 0.59 | 10.50 | H |
|         | 2826 | -60.06 | -13 | -47.06 | -74.87 | -68.20 | 0.71 | 11.00 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1413 | -60.86 | -13 | -47.86 | -72.28 | -66.99 | 0.50 | 8.78  | V |
|         | 2119 | -61.06 | -13 | -48.06 | -74.90 | -68.81 | 0.59 | 10.50 | V |
|         | 2826 | -59.89 | -13 | -46.89 | -75.02 | -68.03 | 0.71 | 11.00 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



**LTE Band 26**

| 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) |
| Lowest                     | 1649              | -61.72      | -13           | -48.72            | -71.82            | -68.67             | 0.53                 | 9.63                  | H                  |
|                            | 2474              | -60.42      | -13           | -47.42            | -74.11            | -68.4              | 0.65                 | 10.78                 | H                  |
|                            | 3299              | -58.78      | -13           | -45.78            | -75.14            | -67.87             | 0.76                 | 12.00                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1649              | -62.93      | -13           | -49.93            | -72.73            | -69.88             | 0.53                 | 9.63                  | V                  |
|                            | 2474              | -59.94      | -13           | -46.94            | -74.15            | -67.92             | 0.65                 | 10.78                 | V                  |
|                            | 3299              | -58.40      | -13           | -45.40            | -74.73            | -67.49             | 0.76                 | 12.00                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle                     | 1656              | -60.52      | -13           | -47.52            | -70.62            | -67.49             | 0.53                 | 9.64                  | H                  |
|                            | 2489              | -60.59      | -13           | -47.59            | -74.23            | -68.58             | 0.65                 | 10.79                 | H                  |
|                            | 3319              | -58.53      | -13           | -45.53            | -74.94            | -67.68             | 0.76                 | 12.06                 | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | H                  |
|                            | 1656              | -62.58      | -13           | -49.58            | -72.39            | -69.55             | 0.53                 | 9.64                  | V                  |
|                            | 2489              | -60.12      | -13           | -47.12            | -74.24            | -68.11             | 0.65                 | 10.79                 | V                  |
|                            | 3319              | -58.86      | -13           | -45.86            | -75.16            | -68.01             | 0.76                 | 12.06                 | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1669 | -61.49 | -13 | -48.49 | -71.73 | -68.48 | 0.53 | 9.67  | H |
|         | 2504 | -60.87 | -13 | -47.87 | -74.54 | -68.87 | 0.66 | 10.80 | H |
|         | 3339 | -58.63 | -13 | -45.63 | -75.08 | -67.83 | 0.76 | 12.12 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1669 | -63.41 | -13 | -50.41 | -73.24 | -70.4  | 0.53 | 9.67  | V |
|         | 2504 | -59.73 | -13 | -46.73 | -73.8  | -67.73 | 0.66 | 10.80 | V |
|         | 3339 | -58.54 | -13 | -45.54 | -74.79 | -67.74 | 0.76 | 12.12 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



**LTE Band 66**

| 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) |
| Lowest                     | 3420              | -52.73       | -13           | -39.73            | -70.09            | -64.32             | 0.77                 | 12.36                 | H                  |
|                            | 5130              | -56.90       | -13           | -43.90            | -77.92            | -68.39             | 0.97                 | 12.46                 | H                  |
|                            | 6840              | -54.76       | -13           | -41.76            | -78.72            | -65.61             | 0.81                 | 11.65                 | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            | 3420              | -52.73       | -13           | -39.73            | -70.09            | -64.32             | 0.77                 | 12.36                 | V                  |
|                            | 5130              | -56.90       | -13           | -43.90            | -77.92            | -68.39             | 0.97                 | 12.46                 | V                  |
|                            | 6840              | -54.76       | -13           | -41.76            | -78.72            | -65.61             | 0.81                 | 11.65                 | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle                     | 3474              | -46.24       | -13           | -33.24            | -63.68            | -57.98             | 0.78                 | 12.52                 | H                  |
|                            | 5211              | -57.21       | -13           | -44.21            | -78.32            | -68.84             | 0.99                 | 12.62                 | H                  |
|                            | 6948              | -54.04       | -13           | -41.04            | -78.18            | -64.41             | 1.05                 | 11.41                 | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|                            | 3474              | -42.92       | -13           | -29.92            | -60.94            | -54.66             | 0.78                 | 12.52                 | V                  |
|                            | 5211              | -56.92       | -13           | -43.92            | -78.22            | -68.55             | 0.99                 | 12.62                 | V                  |
|                            | 6948              | -53.33       | -13           | -40.33            | -77.83            | -63.70             | 1.05                 | 11.41                 | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|                            |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3522 | -44.55 | -13 | -31.55 | -61.93 | -56.36 | 0.78 | 12.59 | H |
|         | 5283 | -57.46 | -13 | -44.46 | -78.73 | -69.20 | 1.02 | 12.77 | H |
|         | 7044 | -53.04 | -13 | -40.04 | -77.36 | -63.09 | 1.17 | 11.22 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3522 | -40.40 | -13 | -27.40 | -58.76 | -52.21 | 0.78 | 12.59 | V |
|         | 5283 | -57.12 | -13 | -44.12 | -78.55 | -68.86 | 1.02 | 12.77 | V |
|         | 7044 | -52.86 | -13 | -39.86 | -77.51 | -62.91 | 1.17 | 11.22 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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