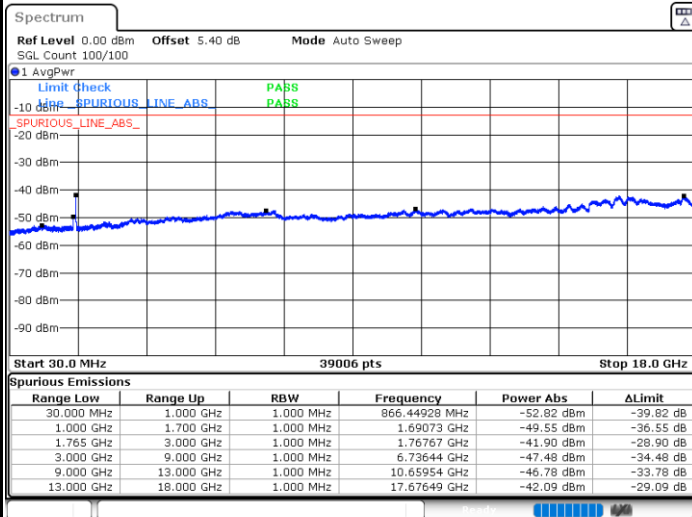
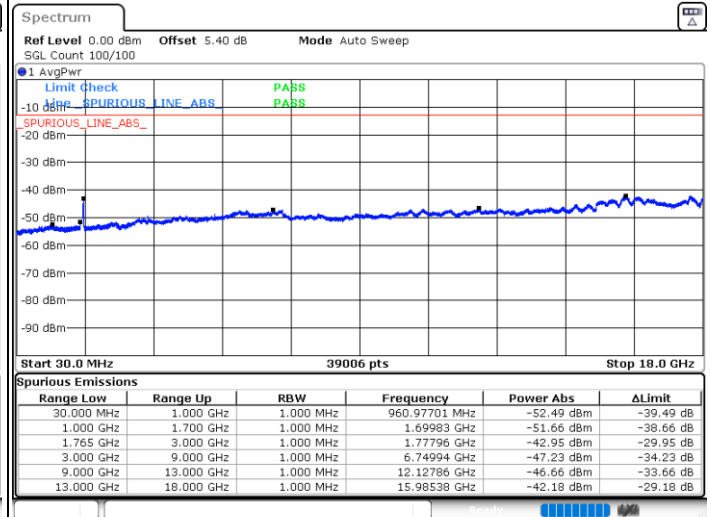
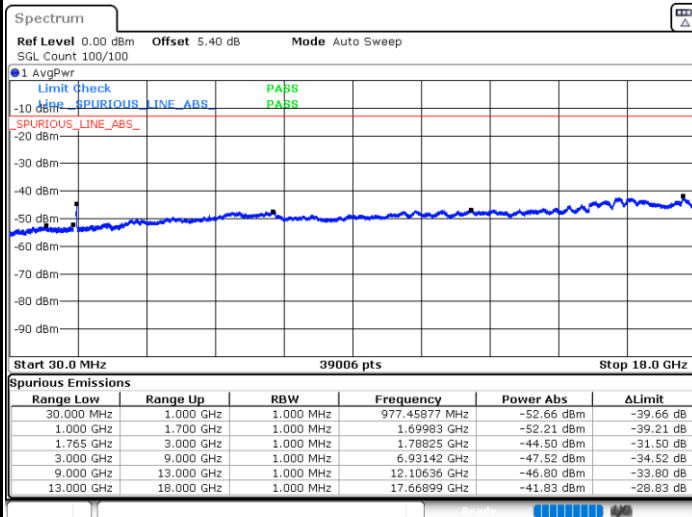


LTE Band 66C / 20MHz+5MHz QPSK Lowest  
Channel / 1RB99 and 1RB0

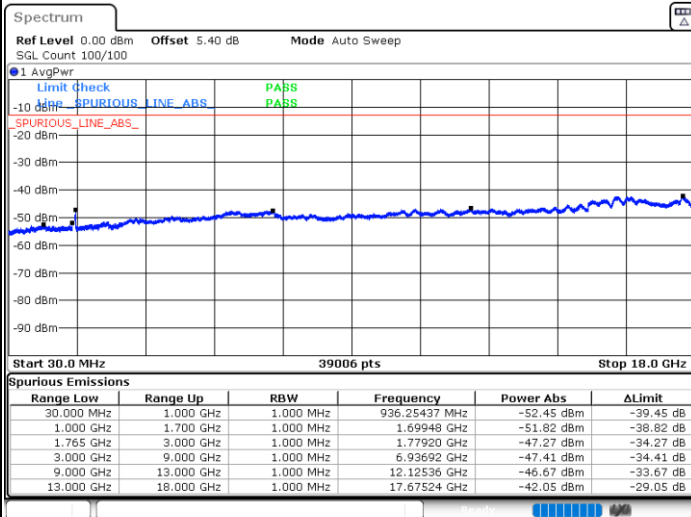
Date: 4.JAN.2023 16:29:03

LTE Band 66C / 20MHz+5MHz QPSK Middle Channel  
/ 1RB99 and 1RB0

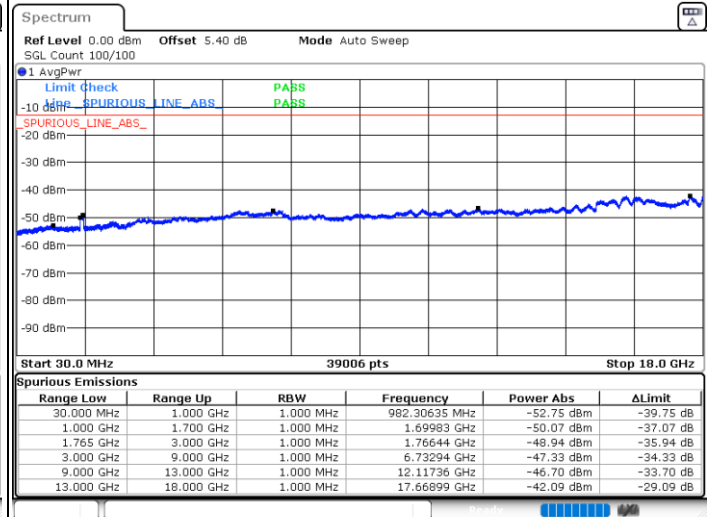
Date: 4.JAN.2023 16:27:12

LTE Band 66C / 20MHz+5MHz QPSK Highest  
Channel / 1RB99 and 1RB0

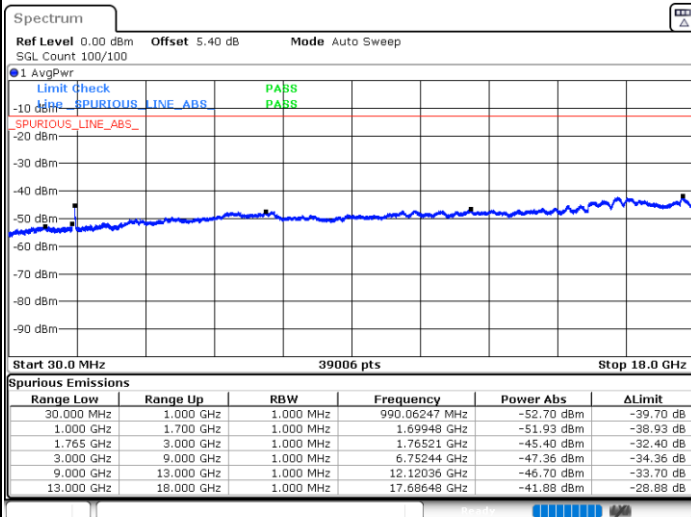
Date: 4.JAN.2023 16:25:28

LTE Band 66C / 20MHz+10MHz QPSK Lowest  
Channel / 1RB99 and 1RB0LTE Band 66C / 20MHz+10MHz QPSK Middle  
Channel / 1RB99 and 1RB0

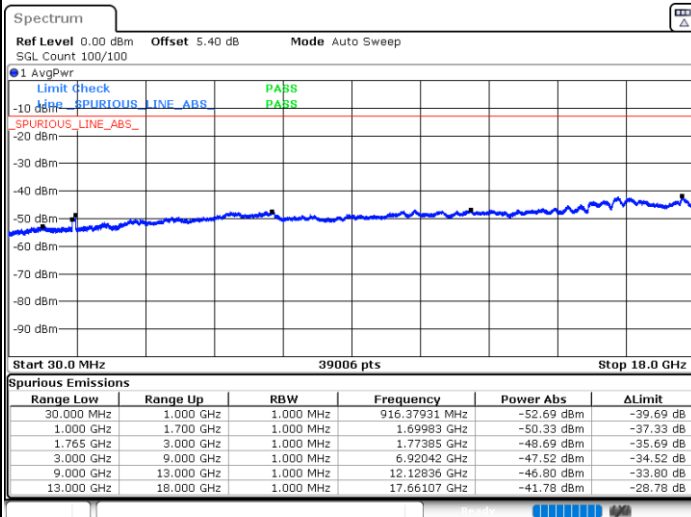
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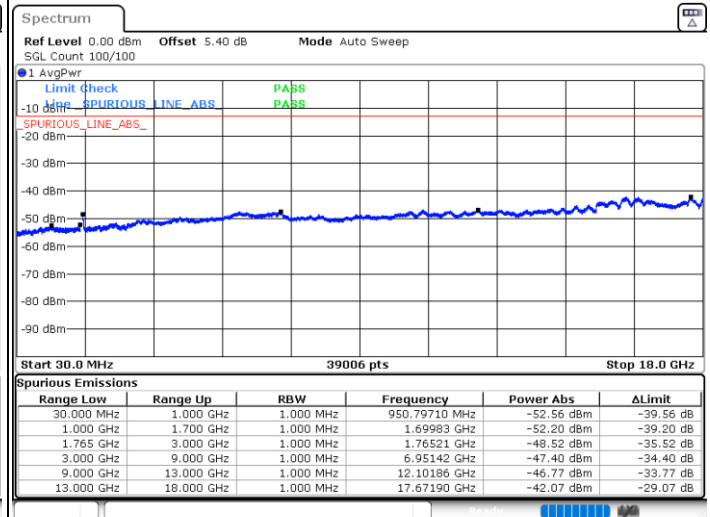
Date: 4.JAN.2023 14:54:58

LTE Band 66C / 20MHz+10MHz QPSK Highest  
Channel / 1RB99 and 1RB0

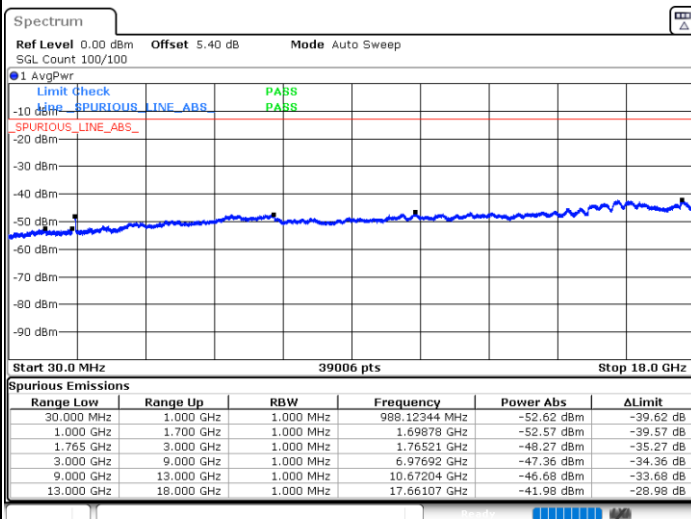
Date: 4.JAN.2023 14:53:08

LTE Band 66C / 20MHz+15MHz QPSK Lowest  
Channel / 1RB99 and 1RB0LTE Band 66C / 20MHz+15MHz QPSK Middle  
Channel / 1RB99 and 1RB0

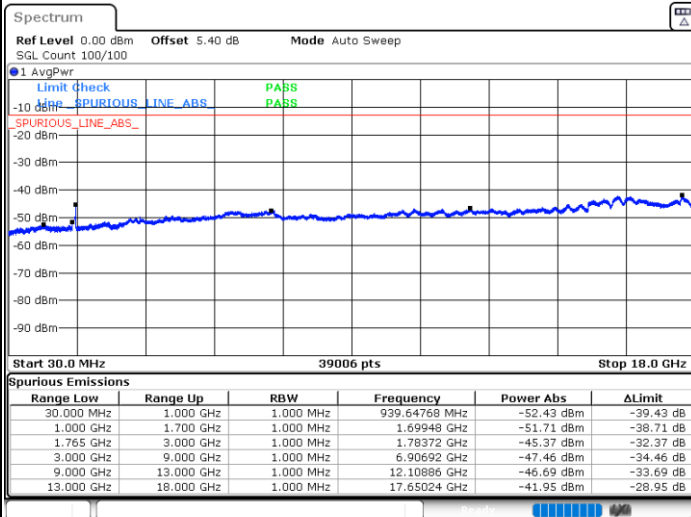
Date: 4.JAN.2023 15:54:30



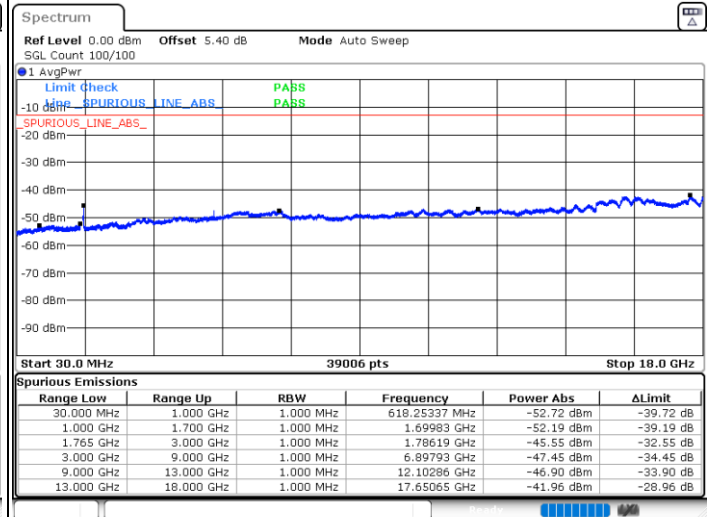
Date: 4.JAN.2023 15:56:21

LTE Band 66C / 20MHz+15MHz QPSK Highest  
Channel / 1RB99 and 1RB0

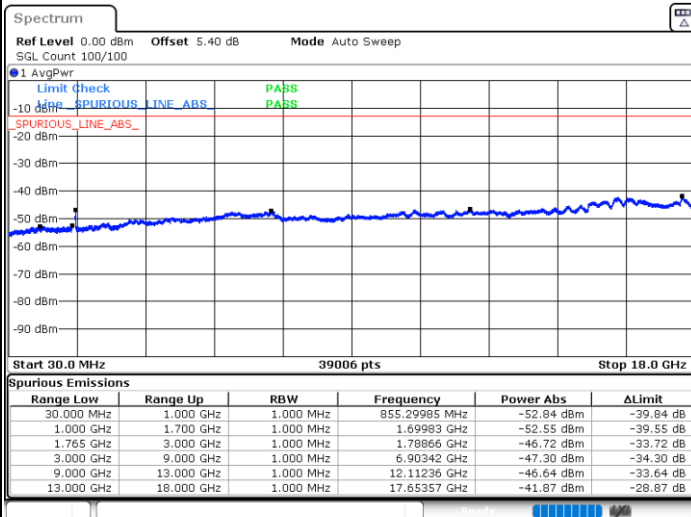
Date: 4.JAN.2023 15:59:30

**LTE Band 66C / 20MHz+20MHz QPSK Lowest  
Channel / 1RB99 and 1RB0****LTE Band 66C / 20MHz+20MHz QPSK Middle  
Channel / 1RB99 and 1RB0**

Date: 4.JAN.2023 16:55:03



Date: 4.JAN.2023 16:56:41

**LTE Band 66C / 20MHz+20MHz QPSK Highest  
Channel / 1RB99 and 1RB0**

Date: 4.JAN.2023 16:52:50

## Frequency Stability

| Test Conditions  |                 | LTE Band 66C (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|--------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 20+20MHz                          | Note 2. |
|                  |                 | Deviation (ppm)                      | Result  |
| 50               | Normal Voltage  | 0.0002                               | PASS    |
| 40               | Normal Voltage  | 0.0017                               |         |
| 30               | Normal Voltage  | 0.0020                               |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                               |         |
| 10               | Normal Voltage  | 0.0019                               |         |
| 0                | Normal Voltage  | 0.0023                               |         |
| -10              | Normal Voltage  | 0.0008                               |         |
| -20              | Normal Voltage  | 0.0018                               |         |
| -30              | Normal Voltage  | 0.0026                               |         |
| 20               | Maximum Voltage | 0.0017                               |         |
| 20               | Normal Voltage  | 0.0011                               |         |
| 20               | Minimum Voltage | 0.0028                               |         |

**Note:**

1. Normal Voltage =12 V. ; Minimum Voltage (BEP) =11.4 V. ; Maximum Voltage =12.6 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | Levi zhuo | Temperature :       | 22~23°C |
|                 |           | Relative Humidity : | 41~42%  |

| LTE Band 2 / 20MHz / QPSK/Ant.0 |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                         | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                          | 3741              | -47.16       | -13           | -34.16            | -59.42             | 2.64                 | 14.90                 | H                  |
|                                 | 5613.27           | -41.61       | -13           | -28.61            | -53.47             | 2.94                 | 14.80                 | H                  |
|                                 | 7488              | -44.33       | -13           | -31.33            | -54.10             | 3.39                 | 13.16                 | H                  |
|                                 | 3741              | -48.81       | -13           | -35.81            | -61.07             | 2.64                 | 14.90                 | V                  |
|                                 | 5613              | -38.63       | -13           | -25.63            | -50.49             | 2.94                 | 14.80                 | V                  |
|                                 | 7488              | -44.39       | -13           | -31.39            | -54.16             | 3.39                 | 13.16                 | V                  |

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

| LTE Band 2 / 20MHz / QPSK/Ant.1 |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                         | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                          | 3741              | -47.16       | -13           | -34.16            | -59.42             | 2.64                 | 14.90                 | H                  |
|                                 | 5613.27           | -41.61       | -13           | -28.61            | -53.47             | 2.94                 | 14.80                 | H                  |
|                                 | 7488              | -44.33       | -13           | -31.33            | -54.10             | 3.39                 | 13.16                 | H                  |
|                                 | 3741              | -48.81       | -13           | -35.81            | -61.07             | 2.64                 | 14.90                 | V                  |
|                                 | 5613              | -38.63       | -13           | -25.63            | -50.49             | 2.94                 | 14.80                 | V                  |
|                                 | 7488              | -44.39       | -13           | -31.39            | -54.16             | 3.39                 | 13.16                 | 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 ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1664              | -58.25       | -13           | -45.25            | -61.49             | 1.11                 | 6.50                  | H                  |
|                           | 2496              | -58.47       | -13           | -45.47            | -61.09             | 1.43                 | 6.20                  | H                  |
|                           | 3328              | -58.03       | -13           | -45.03            | -62.47             | 1.71                 | 8.30                  | H                  |
|                           | 1664              | -62.47       | -13           | -49.47            | -65.71             | 1.11                 | 6.50                  | V                  |
|                           | 2496              | -59.03       | -13           | -46.03            | -61.65             | 1.43                 | 6.20                  | V                  |
|                           | 3328              | -57.96       | -13           | -44.96            | -62.40             | 1.71                 | 8.30                  | 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 ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1555.18           | -65.51       | -13           | -52.51            | -68.14             | 1.09                 | 5.87                  | H                  |
|                            | 2332.77           | -60.35       | -13           | -47.35            | -62.75             | 1.37                 | 5.92                  | H                  |
|                            | 3110.36           | -58.34       | -13           | -45.34            | -62.23             | 1.64                 | 7.68                  | H                  |
|                            | 1555.18           | -65.59       | -13           | -52.59            | -68.22             | 1.09                 | 5.87                  | V                  |
|                            | 2332.77           | -59.36       | -13           | -46.36            | -61.76             | 1.37                 | 5.92                  | V                  |
|                            | 3112              | -58.36       | -13           | -45.36            | -62.25             | 1.64                 | 7.68                  | V                  |

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

| LTE Band 66 / 20MHz / QPSK/Ant.0 |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                          | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                           | 3471              | -53.59       | -13           | -40.59            | -64.33             | 2.604                | 13.34                 | H                  |
|                                  | 5208.27           | -37.58       | -13           | -24.58            | -48.09             | 3.011                | 13.52                 | H                  |
|                                  | 6948              | -46.15       | -13           | -33.15            | -56.35             | 3.271                | 13.47                 | H                  |
|                                  | 3471              | -56.49       | -13           | -43.49            | -67.23             | 2.604                | 13.34                 | V                  |
|                                  | 5208              | -48.95       | -13           | -35.95            | -59.46             | 3.011                | 13.52                 | V                  |
|                                  | 6948              | -45.96       | -13           | -32.96            | -56.16             | 3.271                | 13.47                 | V                  |

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

| LTE Band 66 / 20MHz / QPSK/Ant.1 |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                          | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                           | 3471              | -55.60       | -13           | -42.60            | -66.34             | 2.604                | 13.34                 | H                  |
|                                  | 5208              | -52.35       | -13           | -39.35            | -62.86             | 3.011                | 13.52                 | H                  |
|                                  | 6948              | -53.33       | -13           | -40.33            | -63.53             | 3.271                | 13.47                 | H                  |
|                                  | 3471              | -56.93       | -13           | -43.93            | -67.67             | 2.604                | 13.34                 | V                  |
|                                  | 5208              | -52.04       | -13           | -39.04            | -62.55             | 3.011                | 13.52                 | V                  |
|                                  | 6948              | -53.32       | -13           | -40.32            | -63.52             | 3.271                | 13.47                 | V                  |

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



| LTE Band 5B / 10MHz +10MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|-----------------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                           | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                            | 1654.38              | -61.67          | -13              | -48.67                  | -64.91                   | 1.11                       | 6.50                        | H                     |
|                                   | 2481.57              | -59.29          | -13              | -46.29                  | -61.91                   | 1.43                       | 6.20                        | H                     |
|                                   | 3308.76              | -56.88          | -13              | -43.88                  | -61.32                   | 1.71                       | 8.30                        | H                     |
|                                   | 1654.38              | -63.45          | -13              | -50.45                  | -66.69                   | 1.11                       | 6.50                        | V                     |
|                                   | 2481.57              | -59.12          | -13              | -46.12                  | -61.74                   | 1.43                       | 6.20                        | V                     |
|                                   | 3308.76              | -57.83          | -13              | -44.83                  | -62.27                   | 1.71                       | 8.30                        | V                     |

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

| LTE Band 66B / 10MHz +10MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|------------------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                            | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                             | 3492                 | -50.94          | -13              | -37.94                  | -61.68                   | 2.604                      | 13.34                       | H                     |
|                                    | 5238                 | -54.27          | -13              | -41.27                  | -64.78                   | 3.011                      | 13.52                       | H                     |
|                                    | 6984                 | -53.04          | -13              | -40.04                  | -63.24                   | 3.271                      | 13.47                       | H                     |
|                                    | 3492                 | -50.34          | -13              | -37.34                  | -61.08                   | 2.604                      | 13.34                       | V                     |
|                                    | 5238                 | -53.64          | -13              | -40.64                  | -64.15                   | 3.011                      | 13.52                       | V                     |
|                                    | 6984                 | -52.49          | -13              | -39.49                  | -62.69                   | 3.271                      | 13.47                       | V                     |

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

| LTE Band 66C / 20MHz +20MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|------------------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                            | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                             | 3471                 | -44.17          | -13              | -31.17                  | -54.91                   | 2.604                      | 13.34                       | H                     |
|                                    | 5208                 | -30.87          | -13              | -17.87                  | -41.38                   | 3.011                      | 13.52                       | H                     |
|                                    | 6948                 | -53.42          | -13              | -40.42                  | -63.62                   | 3.271                      | 13.47                       | H                     |
|                                    | 3471                 | -42.67          | -13              | -29.67                  | -53.41                   | 2.604                      | 13.34                       | V                     |
|                                    | 5208                 | -31.92          | -13              | -18.92                  | -42.43                   | 3.011                      | 13.52                       | V                     |
|                                    | 6948                 | -53.15          | -13              | -40.15                  | -63.35                   | 3.271                      | 13.47                       | V                     |

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