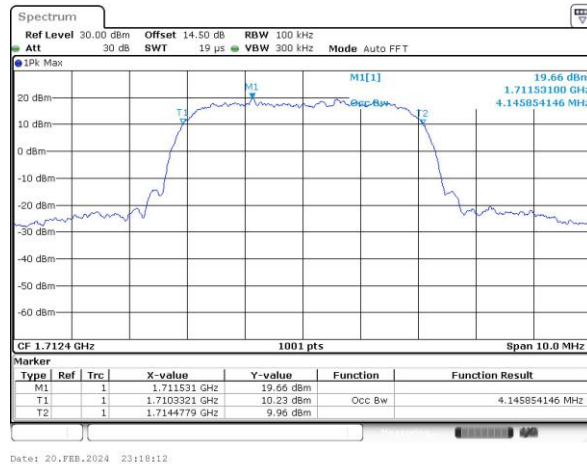


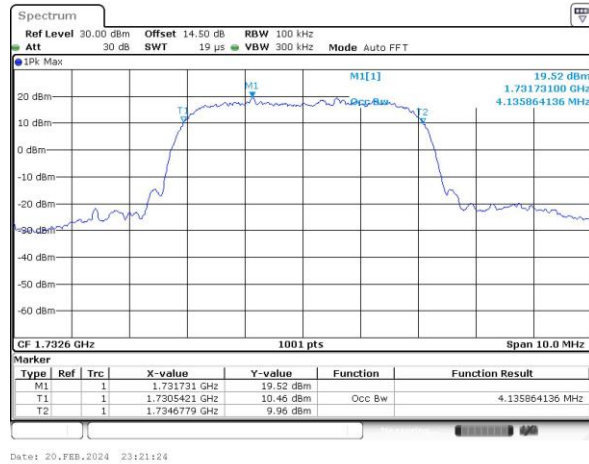


## WCDMA Band IV (RMC 12.2Kbps)

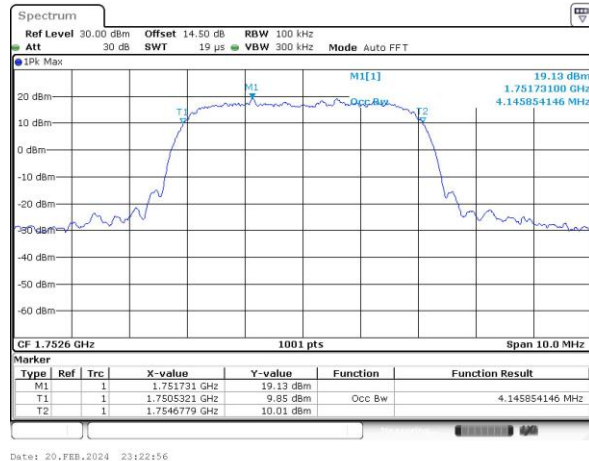
## Lowest Channel



## Middle Channel



## Highest Channel

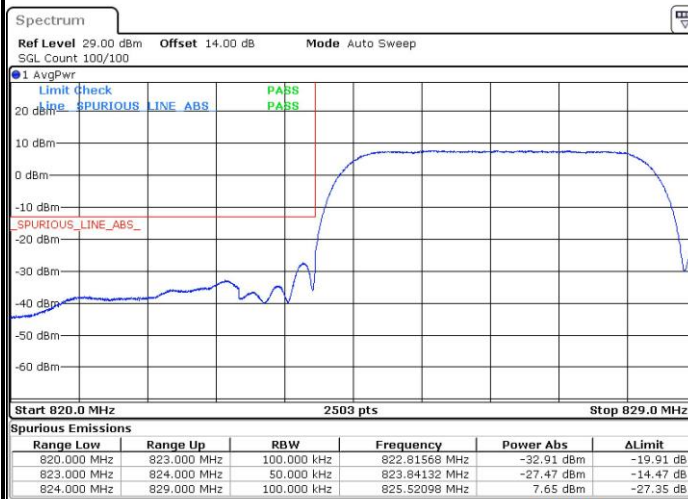




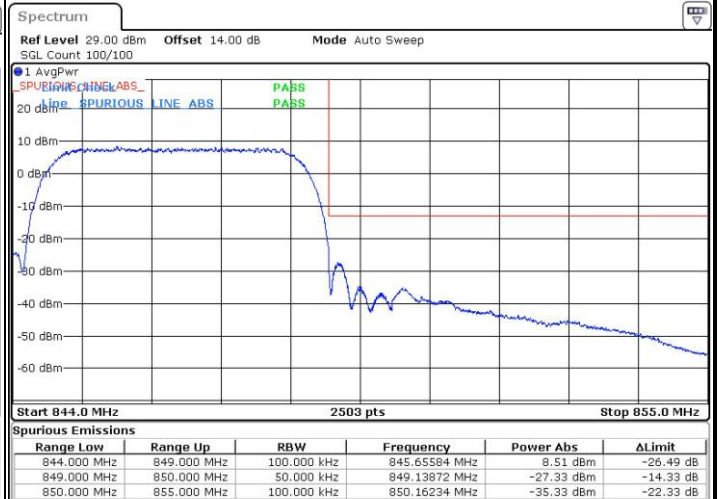
## Conducted Band Edge

### WCDMA Band V (RMC 12.2Kbps)

#### Lowest Band Edge



#### Highest Band Edge



### WCDMA Band II (RMC 12.2Kbps)

#### Lowest Band Edge



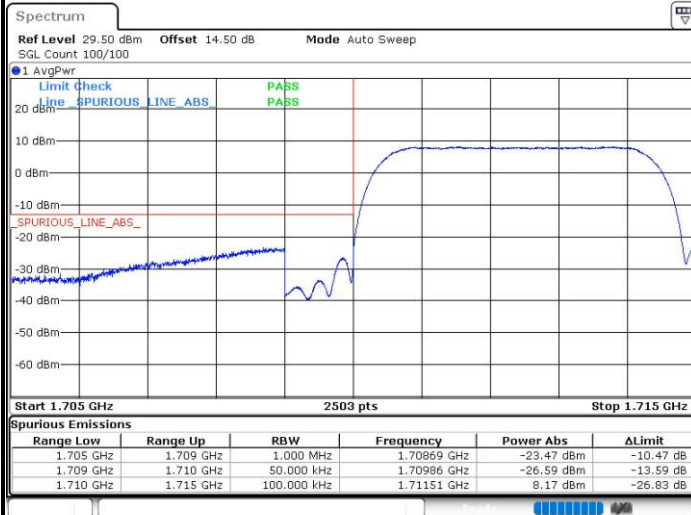
#### Highest Band Edge



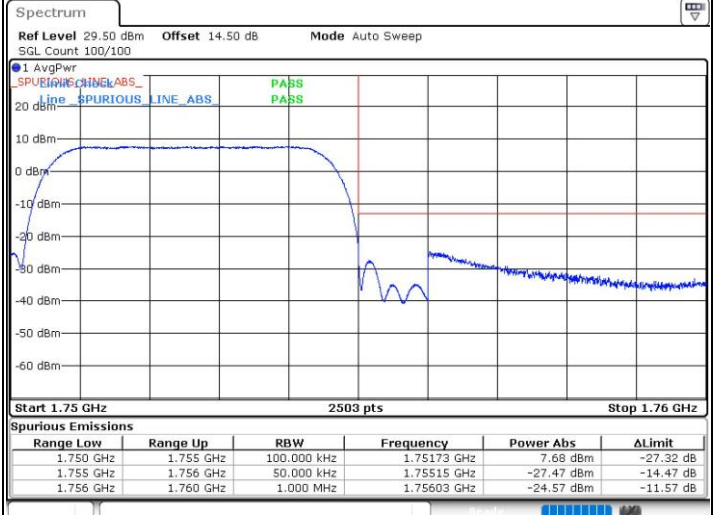


## WCDMA Band IV (RMC 12.2Kbps)

## Lowest Band Edge



## Highest Band Edge

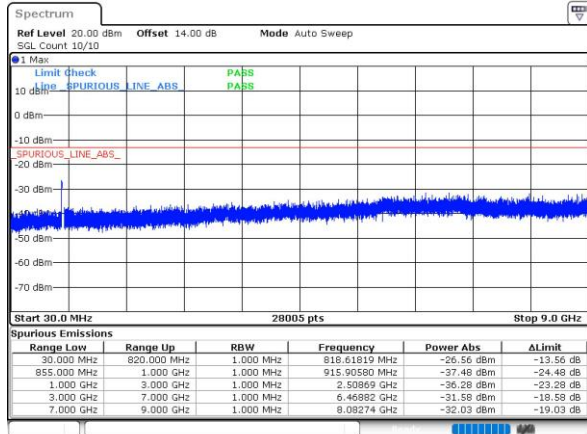




## Conducted Spurious Emission

### WCDMA Band V (RMC 12.2Kbps)

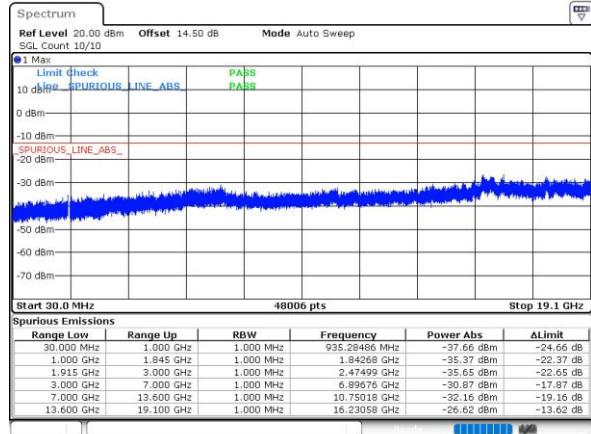
#### Lowest Channel



Date: 20.FEB.2024 23:28:16

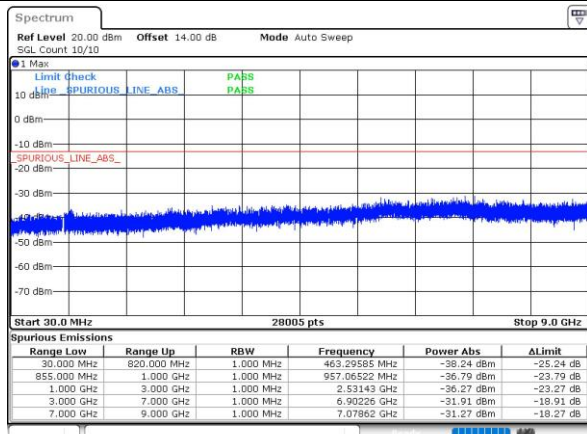
### WCDMA Band II (RMC 12.2Kbps)

#### Lowest Channel



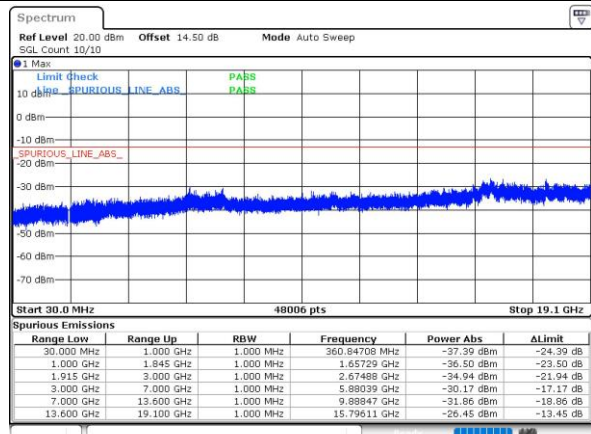
Date: 20.FEB.2024 23:11:40

#### Middle Channel



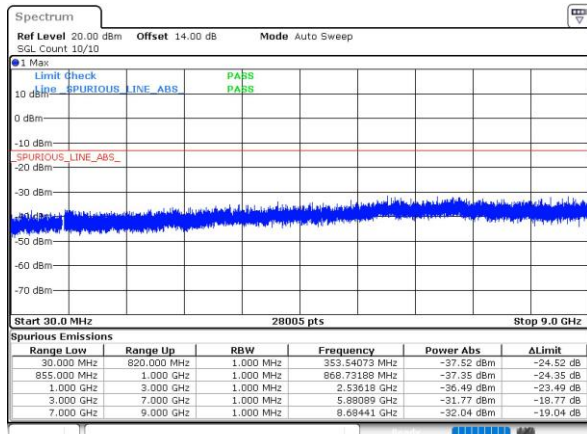
Date: 20.FEB.2024 23:28:58

#### Middle Channel



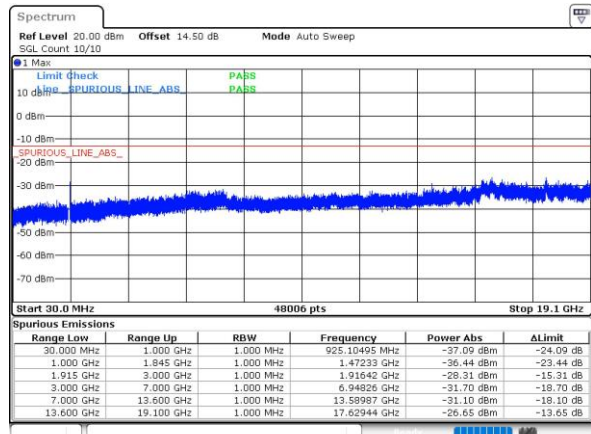
Date: 20.FEB.2024 23:13:28

#### Highest Channel



Date: 20.FEB.2024 23:30:06

#### Highest Channel

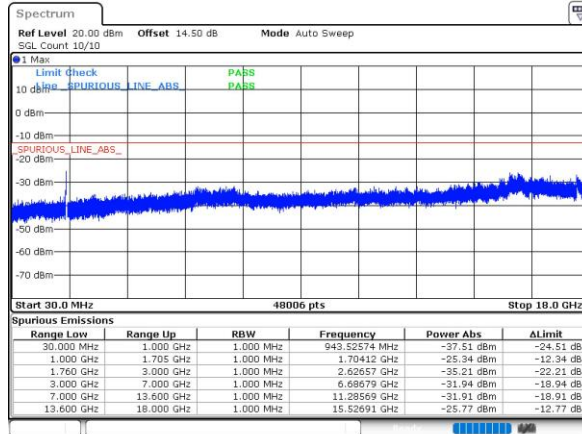


Date: 20.FEB.2024 23:16:36

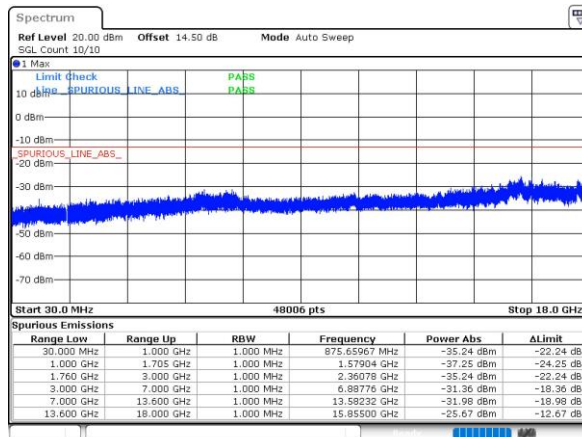


## WCDMA Band IV (RMC 12.2Kbps)

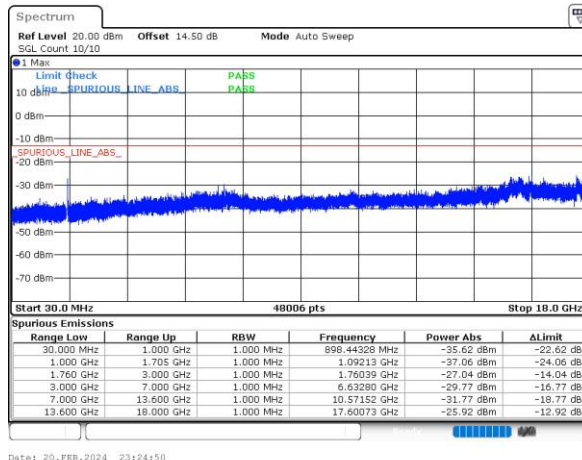
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions  | Middle Channel    | WCDMA Band V<br>(RMC 12.2Kbps) | Limit<br>2.5ppm |
|------------------|-------------------|--------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                | Result          |
| 50               | Normal Voltage    | 0.0048                         | PASS            |
| 40               | Normal Voltage    | 0.0063                         |                 |
| 30               | Normal Voltage    | 0.0068                         |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                 |
| 10               | Normal Voltage    | 0.0005                         |                 |
| 0                | Normal Voltage    | 0.0004                         |                 |
| -10              | Normal Voltage    | 0.0010                         |                 |
| -20              | Normal Voltage    | 0.0002                         |                 |
| -30              | Normal Voltage    | 0.0057                         |                 |
| 20               | Maximum Voltage   | 0.0056                         |                 |
| 20               | Normal Voltage    | 0.0062                         |                 |
| 20               | Battery End Point | 0.0061                         |                 |

| Test Conditions  | Middle Channel    | WCDMA Band II<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Result           |
| 50               | Normal Voltage    | 0.0035                          | PASS             |
| 40               | Normal Voltage    | 0.0030                          |                  |
| 30               | Normal Voltage    | 0.0017                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0032                          |                  |
| 0                | Normal Voltage    | 0.0027                          |                  |
| -10              | Normal Voltage    | 0.0025                          |                  |
| -20              | Normal Voltage    | 0.0019                          |                  |
| -30              | Normal Voltage    | 0.0014                          |                  |
| 20               | Maximum Voltage   | 0.0013                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0029                          |                  |

**Note:**

1. Normal Voltage = 3.88V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.53 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions  | Middle Channel    | WCDMA Band IV<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Result           |
| 50               | Normal Voltage    | 0.0084                          | PASS             |
| 40               | Normal Voltage    | 0.0092                          |                  |
| 30               | Normal Voltage    | 0.0080                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0037                          |                  |
| 0                | Normal Voltage    | 0.0048                          |                  |
| -10              | Normal Voltage    | 0.0057                          |                  |
| -20              | Normal Voltage    | 0.0063                          |                  |
| -30              | Normal Voltage    | 0.0036                          |                  |
| 20               | Maximum Voltage   | 0.0044                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0031                          |                  |

**Note:**

1. Normal Voltage = 3.88V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.53 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

RSE pretest all the supported antennas, only the worst results are recorded in the report.

| GSM850 (EDGE 1 Tx slots)_Ant.0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|--------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                        | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                         | 1648.4               | -52.12         | -13              | -39.12                  | -60.17                  | -55.35                   | 3.98                       | 9.36                        | H                     |
|                                | 2472.6               | -38.32         | -13              | -25.32                  | -50.51                  | -41.87                   | 4.85                       | 10.55                       | H                     |
|                                | 3296.8               | -61.38         | -13              | -48.38                  | -76.61                  | -66.31                   | 5.50                       | 12.58                       | H                     |
|                                | 1648.4               | -57.12         | -13              | -44.12                  | -65.21                  | -60.35                   | 3.98                       | 9.36                        | V                     |
|                                | 2472.6               | -45.41         | -13              | -32.41                  | -57.64                  | -48.96                   | 4.85                       | 10.55                       | V                     |
|                                | 3296.8               | -61.64         | -13              | -48.64                  | -76.78                  | -66.57                   | 5.50                       | 12.58                       | V                     |
| Middle                         | 1672.8               | -64.99         | -13              | -51.99                  | -72.50                  | -68.24                   | 4.00                       | 9.40                        | H                     |
|                                | 2509.2               | -57.99         | -13              | -44.99                  | -70.27                  | -61.56                   | 4.88                       | 10.60                       | H                     |
|                                | 3345.6               | -62.35         | -13              | -49.35                  | -77.43                  | -67.28                   | 5.52                       | 12.60                       | H                     |
|                                | 1672.8               | -64.62         | -13              | -51.62                  | -72.32                  | -67.87                   | 4.00                       | 9.40                        | V                     |
|                                | 2509.2               | -59.67         | -13              | -46.67                  | -72.07                  | -63.24                   | 4.88                       | 10.60                       | V                     |
|                                | 3345.6               | -62.29         | -13              | -49.29                  | -77.39                  | -67.22                   | 5.52                       | 12.60                       | V                     |
| Highest                        | 1697.6               | -54.78         | -13              | -41.78                  | -62.46                  | -57.95                   | 4.10                       | 9.42                        | H                     |
|                                | 2546.4               | -39.02         | -13              | -26.02                  | -51.62                  | -42.60                   | 4.90                       | 10.63                       | H                     |
|                                | 3395.2               | -61.66         | -13              | -48.66                  | -76.66                  | -66.58                   | 5.55                       | 12.62                       | H                     |
|                                | 1697.6               | -54.35         | -13              | -41.35                  | -62.21                  | -57.52                   | 4.10                       | 9.42                        | V                     |
|                                | 2546.4               | -43.29         | -13              | -30.29                  | -55.90                  | -46.87                   | 4.90                       | 10.63                       | V                     |
|                                | 3395.2               | -61.57         | -13              | -48.57                  | -76.58                  | -66.49                   | 5.55                       | 12.62                       | V                     |

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



| GSM1900 (EDGE 1 Tx slots) _Ant.0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                           | 3700.4            | -62.08      | -13           | -49.08            | -78.53            | -68.84             | 5.82                 | 12.58                 | H                  |
|                                  | 5550.6            | -60.58      | -13           | -47.58            | -80.66            | -66.30             | 7.28                 | 13.00                 | H                  |
|                                  | 7400.8            | -55.48      | -13           | -42.48            | -80.09            | -58.64             | 8.32                 | 11.48                 | H                  |
|                                  | 3700.4            | -61.99      | -13           | -48.99            | -78.19            | -68.75             | 5.82                 | 12.58                 | V                  |
|                                  | 5550.6            | -60.66      | -13           | -47.66            | -80.59            | -66.38             | 7.28                 | 13.00                 | V                  |
|                                  | 7400.8            | -55.13      | -13           | -42.13            | -80.05            | -58.29             | 8.32                 | 11.48                 | V                  |
| Middle                           | 3760              | -61.53      | -13           | -48.53            | -78.22            | -68.28             | 5.85                 | 12.60                 | H                  |
|                                  | 5640              | -59.12      | -13           | -46.12            | -79.96            | -64.92             | 7.30                 | 13.10                 | H                  |
|                                  | 7520              | -56.23      | -13           | -43.23            | -80.57            | -59.38             | 8.35                 | 11.50                 | H                  |
|                                  | 3760              | -62.09      | -13           | -49.09            | -78.34            | -68.84             | 5.85                 | 12.60                 | V                  |
|                                  | 5640              | -60.32      | -13           | -47.32            | -79.95            | -66.12             | 7.30                 | 13.10                 | V                  |
|                                  | 7520              | -55.98      | -13           | -42.98            | -80.74            | -59.13             | 8.35                 | 11.50                 | V                  |
| Highest                          | 3819.6            | -61.03      | -13           | -48.03            | -77.90            | -67.77             | 5.88                 | 12.62                 | H                  |
|                                  | 5729.4            | -57.89      | -13           | -44.89            | -79.39            | -63.70             | 7.32                 | 13.13                 | H                  |
|                                  | 7639.2            | -55.97      | -13           | -42.97            | -80.12            | -59.13             | 8.38                 | 11.54                 | H                  |
|                                  | 3819.6            | -61.38      | -13           | -48.38            | -77.77            | -68.12             | 5.88                 | 12.62                 | V                  |
|                                  | 5729.4            | -58.92      | -13           | -45.92            | -79.59            | -64.73             | 7.32                 | 13.13                 | V                  |
|                                  | 7639.2            | -55.34      | -13           | -42.34            | -80.02            | -58.50             | 8.38                 | 11.54                 | V                  |

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

| WCDMA Band V(RMC 12.2Kbps) _Ant.0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                            | 1652.8            | -66.23      | -13           | -53.23            | -74.18            | -69.46             | 3.98                 | 9.36                  | H                  |
|                                   | 2479.2            | -63.22      | -13           | -50.22            | -75.43            | -66.77             | 4.85                 | 10.55                 | H                  |
|                                   | 3305.6            | -61.77      | -13           | -48.77            | -76.97            | -66.70             | 5.50                 | 12.58                 | H                  |
|                                   | 1652.8            | -66.54      | -13           | -53.54            | -74.56            | -69.77             | 3.98                 | 9.36                  | V                  |
|                                   | 2479.2            | -63.37      | -13           | -50.37            | -75.63            | -66.92             | 4.85                 | 10.55                 | V                  |
|                                   | 3305.6            | -61.69      | -13           | -48.69            | -76.82            | -66.62             | 5.50                 | 12.58                 | V                  |
| Middle                            | 1672.8            | -66.57      | -13           | -53.57            | -74.08            | -69.82             | 4.00                 | 9.40                  | H                  |
|                                   | 2509.2            | -61.69      | -13           | -48.69            | -73.97            | -65.26             | 4.88                 | 10.60                 | H                  |
|                                   | 3345.6            | -62.02      | -13           | -49.02            | -77.10            | -66.95             | 5.52                 | 12.60                 | H                  |
|                                   | 1672.8            | -66.46      | -13           | -53.46            | -74.16            | -69.71             | 4.00                 | 9.40                  | V                  |
|                                   | 2509.2            | -63.51      | -13           | -50.51            | -75.91            | -67.08             | 4.88                 | 10.60                 | V                  |
|                                   | 3345.6            | -61.82      | -13           | -48.82            | -76.92            | -66.75             | 5.52                 | 12.60                 | V                  |
| Highest                           | 1693.2            | -66.49      | -13           | -53.49            | -74.15            | -69.66             | 4.10                 | 9.42                  | H                  |
|                                   | 2539.8            | -62.92      | -13           | -49.92            | -75.46            | -66.50             | 4.90                 | 10.63                 | H                  |
|                                   | 3386.4            | -61.61      | -13           | -48.61            | -76.63            | -66.53             | 5.55                 | 12.62                 | H                  |
|                                   | 1693.2            | -66.31      | -13           | -53.31            | -74.15            | -69.48             | 4.10                 | 9.42                  | V                  |
|                                   | 2539.8            | -63.16      | -13           | -50.16            | -75.73            | -66.74             | 4.90                 | 10.63                 | V                  |
|                                   | 3386.4            | -61.42      | -13           | -48.42            | -76.45            | -66.34             | 5.55                 | 12.62                 | V                  |

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



| WCDMA Band II(RMC 12.2Kbps) _Ant.0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                            | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                             | 3704.8               | -62.88          | -13              | -49.88                  | -78.35                  | -69.64                   | 5.82                       | 12.58                       | H                     |
|                                    | 5557.2               | -61.28          | -13              | -48.28                  | -80.76                  | -67.00                   | 7.28                       | 13.00                       | H                     |
|                                    | 7409.6               | -55.58          | -13              | -42.58                  | -80.37                  | -58.74                   | 8.32                       | 11.48                       | H                     |
|                                    | 3704.8               | -63.61          | -13              | -50.61                  | -78.81                  | -70.37                   | 5.82                       | 12.58                       | V                     |
|                                    | 5557.2               | -59.95          | -13              | -46.95                  | -79.28                  | -65.67                   | 7.28                       | 13.00                       | V                     |
|                                    | 7409.6               | -55.24          | -13              | -42.24                  | -80.35                  | -58.40                   | 8.32                       | 11.48                       | V                     |
| Middle                             | 3760                 | -61.62          | -13              | -48.62                  | -78.31                  | -68.37                   | 5.85                       | 12.60                       | H                     |
|                                    | 5640                 | -59.09          | -13              | -46.09                  | -79.93                  | -64.89                   | 7.30                       | 13.10                       | H                     |
|                                    | 7520                 | -56.16          | -13              | -43.16                  | -80.50                  | -59.31                   | 8.35                       | 11.50                       | H                     |
|                                    | 3760                 | -61.60          | -13              | -48.60                  | -77.85                  | -68.35                   | 5.85                       | 12.60                       | V                     |
|                                    | 5640                 | -60.18          | -13              | -47.18                  | -79.81                  | -65.98                   | 7.30                       | 13.10                       | V                     |
|                                    | 7520                 | -55.75          | -13              | -42.75                  | -80.51                  | -58.90                   | 8.35                       | 11.50                       | V                     |
| Highest                            | 3815.2               | -60.91          | -13              | -47.91                  | -77.77                  | -67.65                   | 5.88                       | 12.62                       | H                     |
|                                    | 5730                 | -58.10          | -13              | -45.10                  | -79.61                  | -63.91                   | 7.32                       | 13.13                       | H                     |
|                                    | 7630.4               | -56.34          | -13              | -43.34                  | -80.51                  | -59.50                   | 8.38                       | 11.54                       | H                     |
|                                    | 3815.2               | -61.60          | -13              | -48.60                  | -77.96                  | -68.34                   | 5.88                       | 12.62                       | V                     |
|                                    | 5722.8               | -58.45          | -13              | -45.45                  | -79.05                  | -64.26                   | 7.32                       | 13.13                       | V                     |
|                                    | 7630.4               | -55.72          | -13              | -42.72                  | -80.41                  | -58.88                   | 8.38                       | 11.54                       | V                     |

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

| WCDMA Band IV(RMC 12.2Kbps) _Ant.2 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                            | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                             | 3424.8               | -62.39          | -13              | -49.39                  | -76.72                  | -69.27                   | 5.60                       | 12.48                       | H                     |
|                                    | 5137.2               | -58.65          | -13              | -45.65                  | -78.20                  | -64.33                   | 7.10                       | 12.78                       | H                     |
|                                    | 6849.6               | -58.27          | -13              | -45.27                  | -81.02                  | -61.66                   | 8.38                       | 11.77                       | H                     |
|                                    | 3424.8               | -62.68          | -13              | -49.68                  | -77.03                  | -69.56                   | 5.60                       | 12.48                       | V                     |
|                                    | 5137.2               | -58.87          | -13              | -45.87                  | -78.16                  | -64.55                   | 7.10                       | 12.78                       | V                     |
|                                    | 6849.6               | -57.95          | -13              | -44.95                  | -81.12                  | -61.34                   | 8.38                       | 11.77                       | V                     |
| Middle                             | 3465.2               | -62.58          | -13              | -49.58                  | -77.10                  | -69.43                   | 5.65                       | 12.50                       | H                     |
|                                    | 5197.8               | -58.97          | -13              | -45.97                  | -78.59                  | -64.64                   | 7.13                       | 12.80                       | H                     |
|                                    | 6930.4               | -57.91          | -13              | -44.91                  | -80.75                  | -61.31                   | 8.40                       | 11.80                       | H                     |
|                                    | 3465.2               | -62.51          | -13              | -49.51                  | -77.06                  | -69.36                   | 5.65                       | 12.50                       | V                     |
|                                    | 5197.8               | -59.31          | -13              | -46.31                  | -78.55                  | -64.98                   | 7.13                       | 12.80                       | V                     |
|                                    | 6930.4               | -57.68          | -13              | -44.68                  | -80.81                  | -61.08                   | 8.40                       | 11.80                       | V                     |
| Highest                            | 3505.2               | -61.95          | -13              | -48.95                  | -76.66                  | -68.79                   | 5.68                       | 12.52                       | H                     |
|                                    | 5257.8               | -59.51          | -13              | -46.51                  | -78.72                  | -65.18                   | 7.15                       | 12.82                       | H                     |
|                                    | 7010.4               | -57.80          | -13              | -44.80                  | -80.76                  | -61.23                   | 8.42                       | 11.85                       | H                     |
|                                    | 3505.2               | -62.45          | -13              | -49.45                  | -77.21                  | -69.29                   | 5.68                       | 12.52                       | V                     |
|                                    | 5257.8               | -59.45          | -13              | -46.45                  | -78.22                  | -65.12                   | 7.15                       | 12.82                       | V                     |
|                                    | 7010.4               | -57.13          | -13              | -44.13                  | -80.3                   | -60.56                   | 8.42                       | 11.85                       | V                     |

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