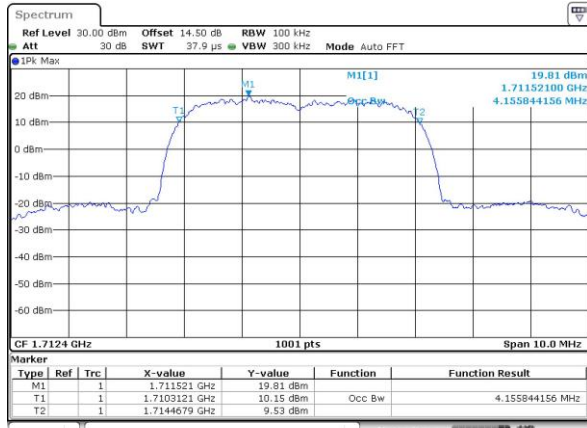


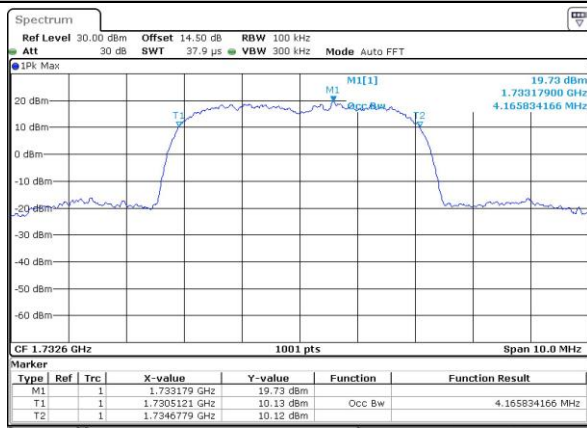


## WCDMA Band IV (RMC 12.2Kbps)

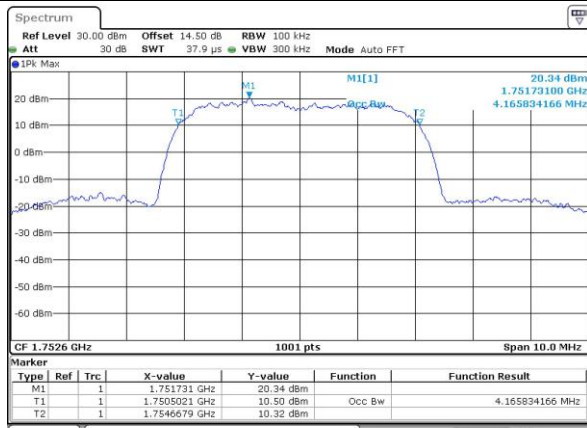
## Lowest Channel



## Middle Channel



## Highest Channel



**Conducted Band Edge****WCDMA Band V (RMC 12.2Kbps)****Lowest Band Edge**

Date: 15.OCT.2024 15:45:48

**Highest Band Edge**

Date: 15.OCT.2024 15:48:56



## WCDMA Band II (RMC 12.2Kbps)

## Lowest Band Edge



Date: 15.OCT.2024 15:10:17

## Highest Band Edge

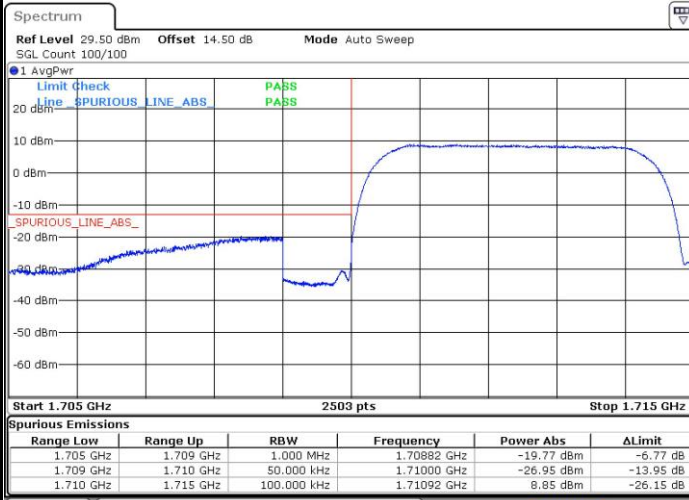


Date: 15.OCT.2024 15:35:17



## WCDMA Band IV (RMC 12.2Kbps)

## Lowest Band Edge



Date: 15.OCT.2024 15:38:43

## Highest Band Edge



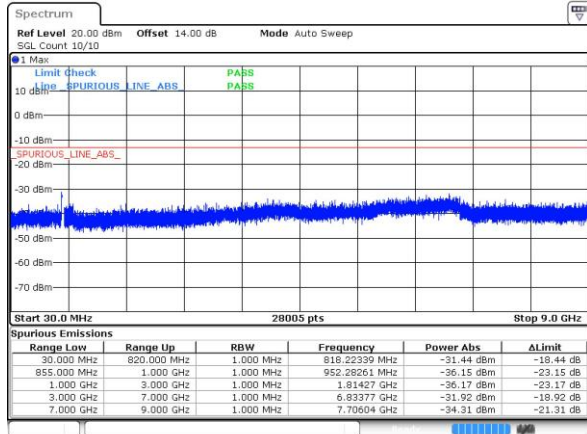
Date: 15.OCT.2024 15:42:25



# Conducted Spurious Emission

## WCDMA Band V (RMC 12.2Kbps)

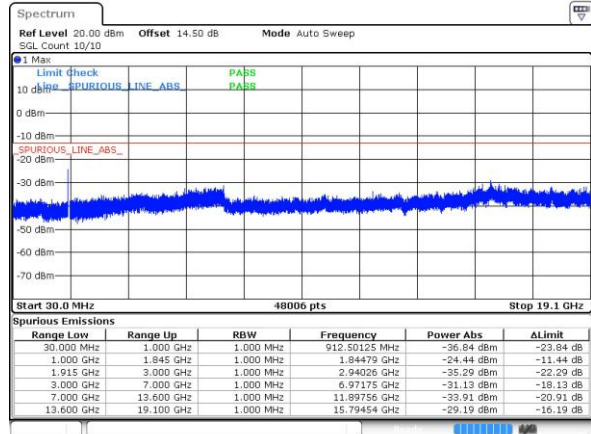
### Lowest Channel



Date: 15.OCT.2024 15:46:03

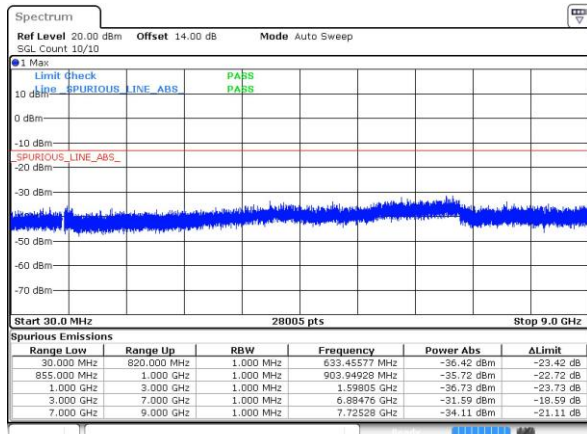
## WCDMA Band II (RMC 12.2Kbps)

### Lowest Channel



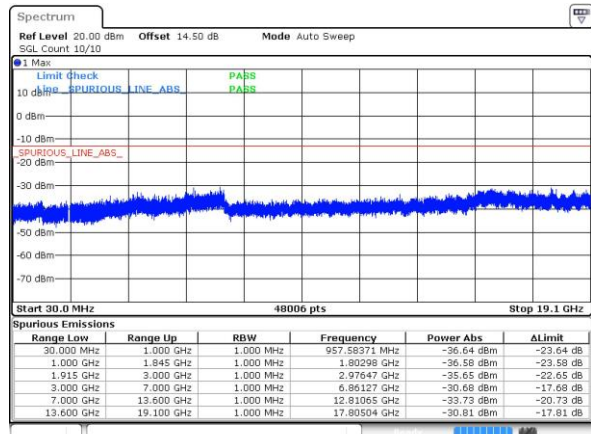
Date: 15.OCT.2024 15:10:41

### Middle Channel



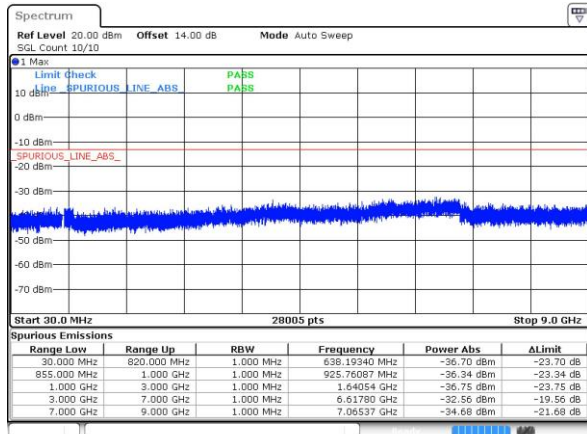
Date: 15.OCT.2024 15:47:16

### Middle Channel



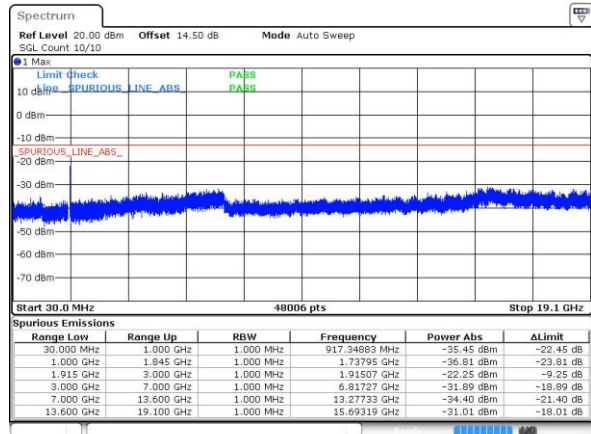
Date: 15.OCT.2024 15:32:55

### Highest Channel



Date: 15.OCT.2024 15:48:42

### Highest Channel

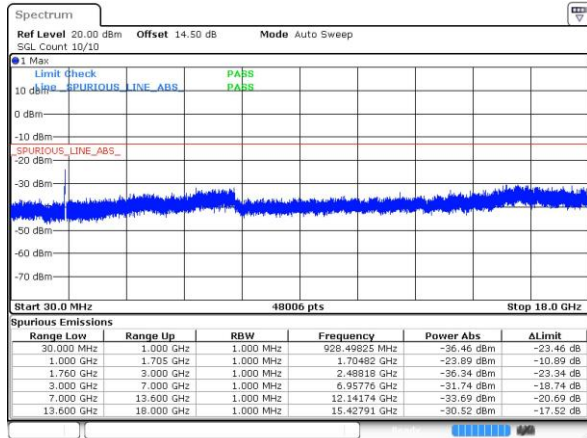


Date: 15.OCT.2024 15:35:48



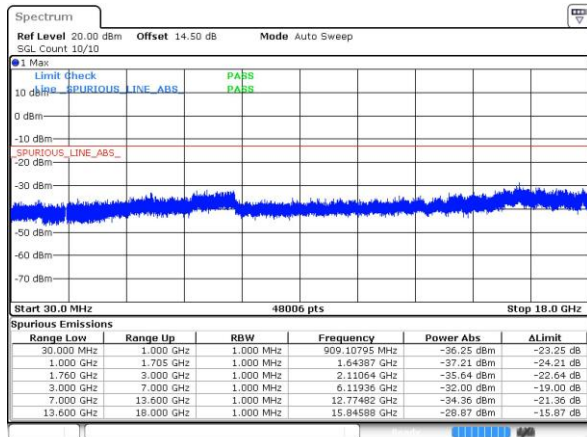
## WCDMA Band IV (RMC 12.2Kbps)

## Lowest Channel



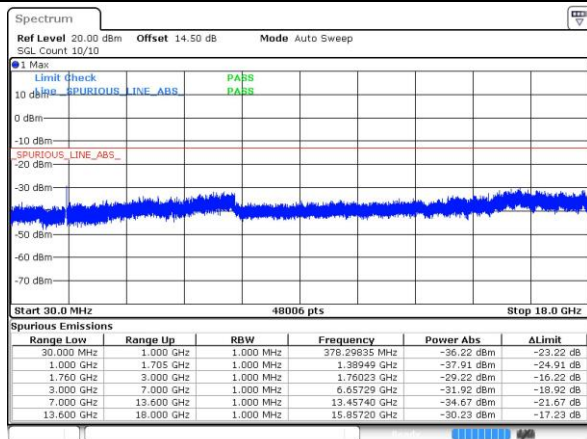
Date: 15.OCT.2024 15:39:03

## Middle Channel



Date: 15.OCT.2024 15:40:32

## Highest Channel



Date: 15.OCT.2024 15:42:38

**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    | 0.0012                         | PASS            |
| 40               | Normal Voltage    | 0.0099                         |                 |
| 30               | Normal Voltage    | 0.0091                         |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                 |
| 10               | Normal Voltage    | 0.0091                         |                 |
| 0                | Normal Voltage    | 0.0106                         |                 |
| -10              | Normal Voltage    | 0.0090                         |                 |
| -20              | Normal Voltage    | 0.0000                         |                 |
| -30              | Normal Voltage    | 0.0017                         |                 |
| 20               | Maximum Voltage   | 0.0088                         |                 |
| 20               | Normal Voltage    | 0.0000                         |                 |
| 20               | Battery End Point | 0.0007                         |                 |

| 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    | 0.0047                          | PASS             |
| 40               | Normal Voltage    | 0.0048                          |                  |
| 30               | Normal Voltage    | 0.0005                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0044                          |                  |
| 0                | Normal Voltage    | 0.0043                          |                  |
| -10              | Normal Voltage    | 0.0001                          |                  |
| -20              | Normal Voltage    | 0.0003                          |                  |
| -30              | Normal Voltage    | 0.0042                          |                  |
| 20               | Maximum Voltage   | 0.0043                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0038                          |                  |



| 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    | 0.0006                          | PASS             |
| 40               | Normal Voltage    | 0.0048                          |                  |
| 30               | Normal Voltage    | 0.0044                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0040                          |                  |
| 0                | Normal Voltage    | 0.0042                          |                  |
| -10              | Normal Voltage    | 0.0043                          |                  |
| -20              | Normal Voltage    | 0.0000                          |                  |
| -30              | Normal Voltage    | 0.0008                          |                  |
| 20               | Maximum Voltage   | 0.0043                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0003                          |                  |

**Note:**

1. Normal Voltage = 3.91V. ; Minimum Voltage (BEP) = 3.6 V. ; Maximum Voltage =4.3 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 : | HuaCong Liang | Temperature :       | 22~25°C |
|                 |               | Relative Humidity : | 48~52%  |

| GSM850 (GSM) Ant1 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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            | 1672.8            | -59.07      | -13           | -46.07            | -69.03            | -62.32             | 4.00                 | 9.40                  | H                  |
|                   | 2509.2            | -51.23      | -13           | -38.23            | -65.63            | -54.80             | 4.88                 | 10.60                 | H                  |
|                   | 3345.6            | -62.53      | -13           | -49.53            | -78.52            | -67.46             | 5.52                 | 12.60                 | H                  |
|                   | 1672.8            | -64.43      | -13           | -51.43            | -73.84            | -67.68             | 4.00                 | 9.40                  | V                  |
|                   | 2509.2            | -55.66      | -13           | -42.66            | -70.02            | -59.23             | 4.88                 | 10.60                 | V                  |
|                   | 3345.6            | -62.79      | -13           | -49.79            | -78.51            | -67.72             | 5.52                 | 12.60                 | V                  |

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

| GSM850 (EDGE 1 Tx slots) Ant1 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                        | 1672.8            | -60.61      | -13           | -47.61            | -70.57            | -63.86             | 4.00                 | 9.40                  | H                  |
|                               | 2509.2            | -50.46      | -13           | -37.46            | -64.86            | -54.03             | 4.88                 | 10.60                 | H                  |
|                               | 3345.6            | -62.61      | -13           | -49.61            | -78.60            | -67.54             | 5.52                 | 12.60                 | H                  |
|                               | 1672.8            | -65.64      | -13           | -52.64            | -75.05            | -68.89             | 4.00                 | 9.40                  | V                  |
|                               | 2509.2            | -59.32      | -13           | -46.32            | -73.68            | -62.89             | 4.88                 | 10.60                 | V                  |
|                               | 3345.6            | -62.90      | -13           | -49.90            | -78.62            | -67.83             | 5.52                 | 12.60                 | V                  |

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

| GSM1900 (GSM) Ant2 |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel            | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle             | 3760              | -61.22       | -13           | -48.22            | -79.85            | -67.97             | 5.85                 | 12.60                 | H                  |
|                    | 5640              | -58.93       | -13           | -45.93            | -82.19            | -64.73             | 7.30                 | 13.10                 | H                  |
|                    | 7520              | -55.32       | -13           | -42.32            | -82.13            | -58.47             | 8.35                 | 11.50                 | H                  |
|                    | 3760              | -61.53       | -13           | -48.53            | -80.09            | -68.28             | 5.85                 | 12.60                 | V                  |
|                    | 5640              | -59.66       | -13           | -46.66            | -82.17            | -65.46             | 7.30                 | 13.10                 | V                  |
|                    | 7520              | -55.44       | -13           | -42.44            | -82.23            | -58.59             | 8.35                 | 11.50                 | V                  |

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



| GSM1900 (EDGE 1 Tx slots) Ant2 |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                        | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                         | 3760              | -61.52       | -13           | -48.52            | -80.15            | -68.27             | 5.85                 | 12.60                 | H                  |
|                                | 5640              | -59.06       | -13           | -46.06            | -82.32            | -64.86             | 7.30                 | 13.10                 | H                  |
|                                | 7520              | -55.08       | -13           | -42.08            | -81.89            | -58.23             | 8.35                 | 11.50                 | H                  |
|                                | 3760              | -61.50       | -13           | -48.50            | -80.06            | -68.25             | 5.85                 | 12.60                 | V                  |
|                                | 5640              | -59.43       | -13           | -46.43            | -81.94            | -65.23             | 7.30                 | 13.10                 | V                  |
|                                | 7520              | -55.36       | -13           | -42.36            | -82.15            | -58.51             | 8.35                 | 11.50                 | V                  |

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

| WCDMA Band V(RMC 12.2Kbps) Ant1 |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                          | 1672.8            | -65.23      | -13           | -52.23            | -75.19            | -68.48             | 4.00                 | 9.40                  | H                  |
|                                 | 2509.2            | -62.66      | -13           | -49.66            | -77.06            | -66.23             | 4.88                 | 10.60                 | H                  |
|                                 | 3345.6            | -61.70      | -13           | -48.70            | -77.69            | -66.63             | 5.52                 | 12.60                 | H                  |
|                                 | 1672.8            | -65.80      | -13           | -52.80            | -75.21            | -69.05             | 4.00                 | 9.40                  | V                  |
|                                 | 2509.2            | -62.57      | -13           | -49.57            | -76.93            | -66.14             | 4.88                 | 10.60                 | V                  |
|                                 | 3345.6            | -61.97      | -13           | -48.97            | -77.69            | -66.90             | 5.52                 | 12.60                 | V                  |

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

| WCDMA Band II(RMC 12.2Kbps) Ant2 |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                          | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                           | 3760              | -61.59       | -13           | -48.59            | -80.22            | -68.34             | 5.85                 | 12.60                 | H                  |
|                                  | 5640              | -58.89       | -13           | -45.89            | -82.15            | -64.69             | 7.30                 | 13.10                 | H                  |
|                                  | 7520              | -55.24       | -13           | -42.24            | -82.05            | -58.39             | 8.35                 | 11.50                 | H                  |
|                                  | 3760              | -61.60       | -13           | -48.60            | -80.16            | -68.35             | 5.85                 | 12.60                 | V                  |
|                                  | 5640              | -59.31       | -13           | -46.31            | -81.82            | -65.11             | 7.30                 | 13.10                 | V                  |
|                                  | 7520              | -55.02       | -13           | -42.02            | -81.81            | -58.17             | 8.35                 | 11.50                 | V                  |

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



| WCDMA Band IV(RMC 12.2Kbps) Ant2 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| Middle                           | 3465.2               | -61.45          | -13              | -48.45                  | -78.35                  | -68.30                   | 5.65                       | 12.50                       | H                     |
|                                  | 5197.8               | -60.63          | -13              | -47.63                  | -82.40                  | -66.30                   | 7.13                       | 12.80                       | H                     |
|                                  | 6930.4               | -55.88          | -13              | -42.88                  | -81.68                  | -59.28                   | 8.40                       | 11.80                       | H                     |
|                                  | 3465.2               | -61.73          | -13              | -48.73                  | -78.65                  | -68.58                   | 5.65                       | 12.50                       | V                     |
|                                  | 5197.8               | -60.20          | -13              | -47.20                  | -82.28                  | -65.87                   | 7.13                       | 12.80                       | V                     |
|                                  | 6930.4               | -55.77          | -13              | -42.77                  | -82.04                  | -59.17                   | 8.40                       | 11.80                       | V                     |

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