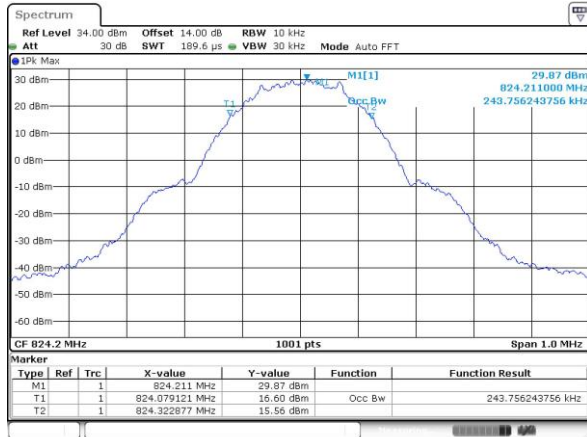




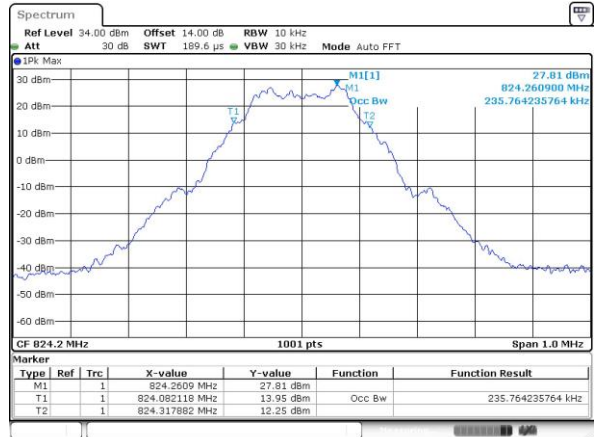
## GSM850 (GSM)

## Lowest Channel

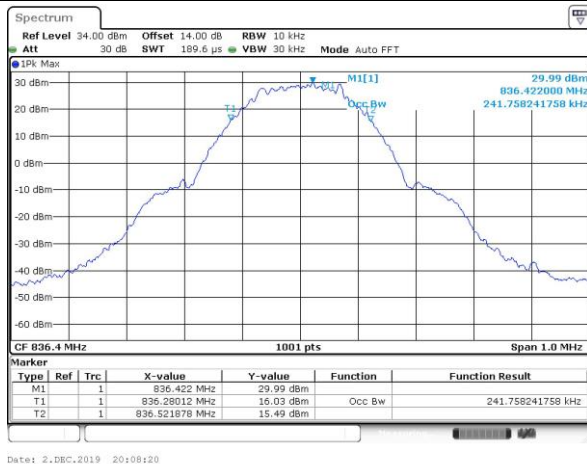


## GSM850 (EDGE class 8)

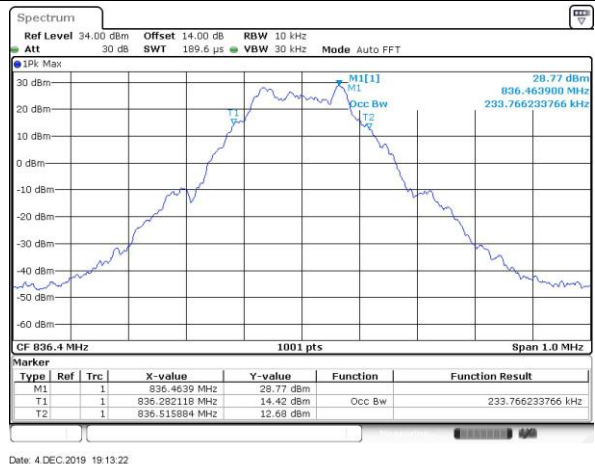
## Lowest Channel



## Middle Channel



## Middle Channel



## Highest Channel



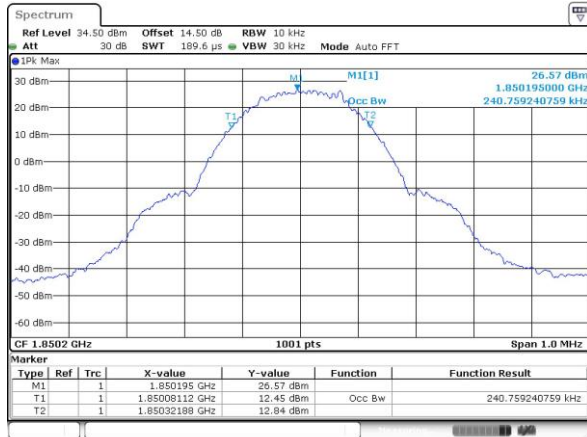
## Highest Channel





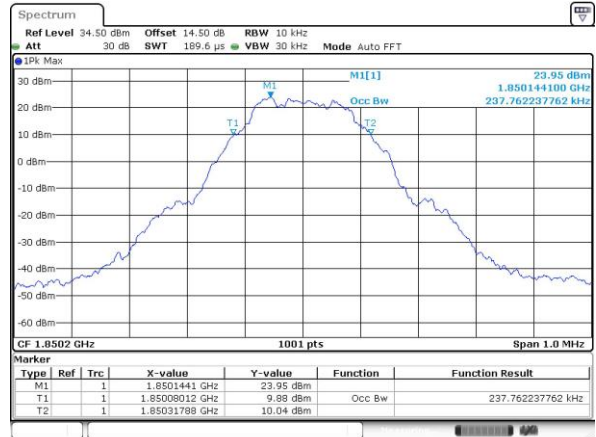
## GSM1900 (GSM)

## Lowest Channel

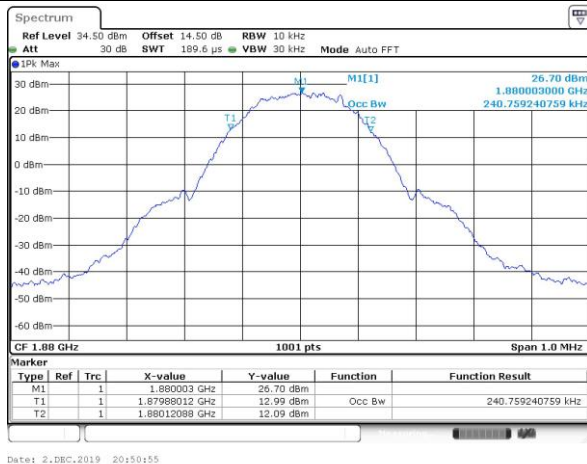


## GSM1900 (EDGE class 8)

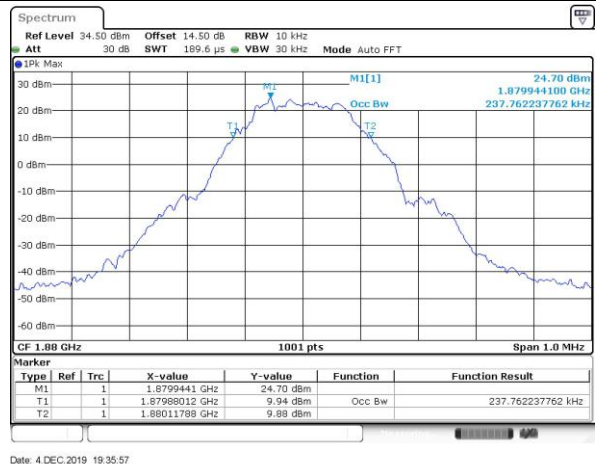
## Lowest Channel



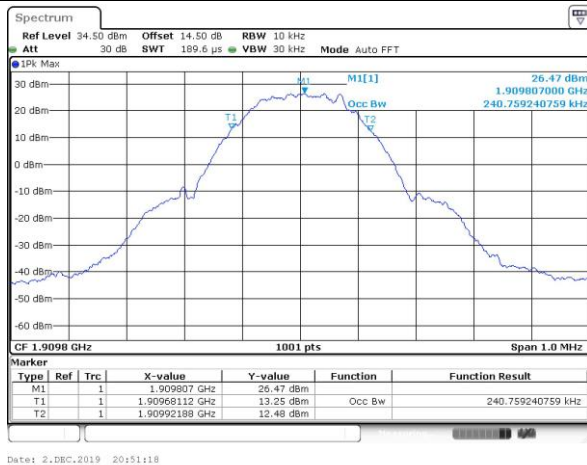
## Middle Channel



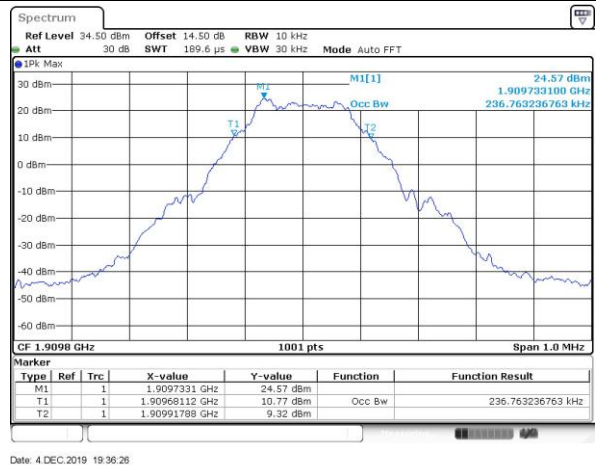
## Middle Channel



## Highest Channel



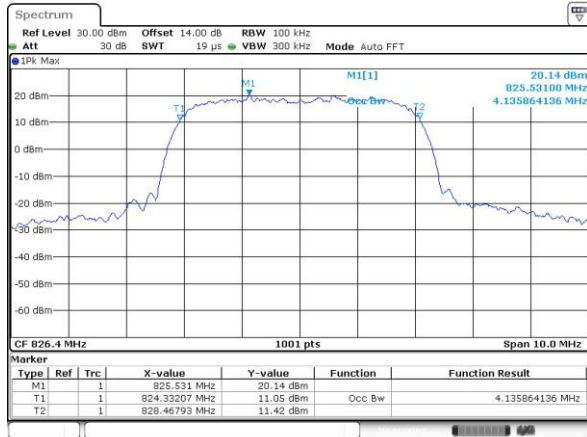
## Highest Channel





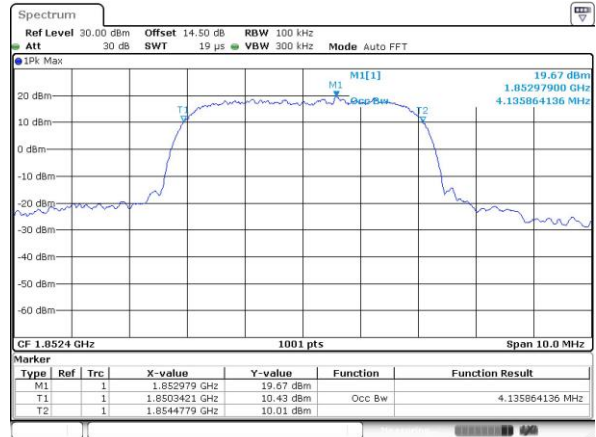
## WCDMA Band V (RMC 12.2Kbps)

## Lowest Channel

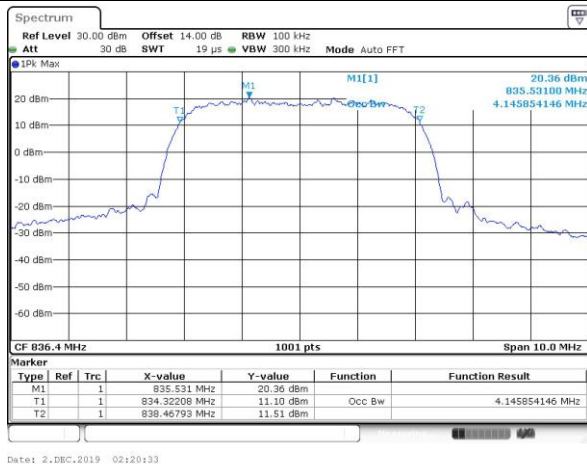


## WCDMA Band II (RMC 12.2Kbps)

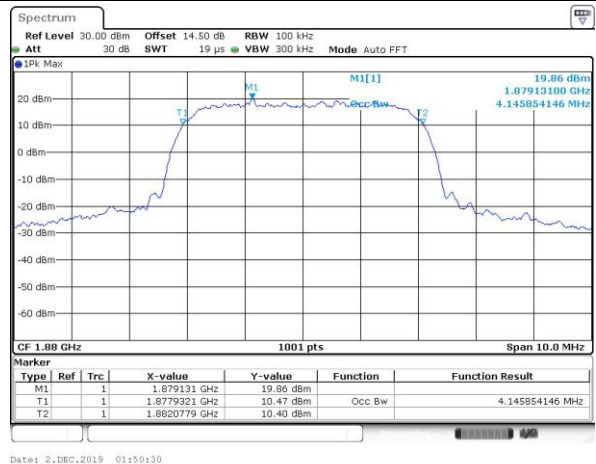
## Lowest Channel



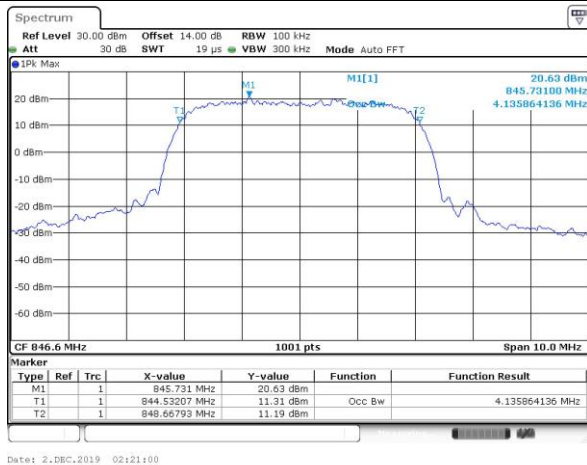
## Middle Channel



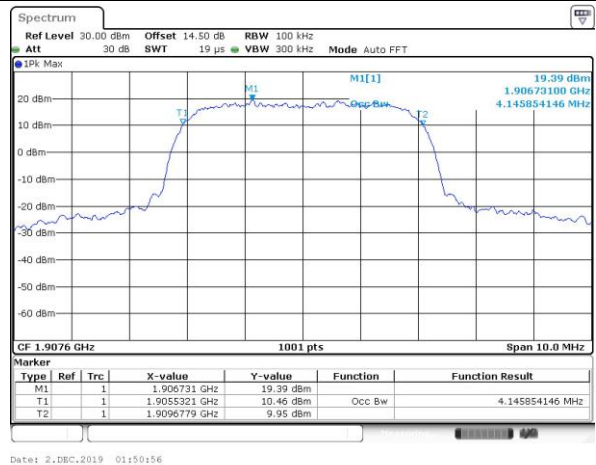
## Middle Channel



## Highest Channel



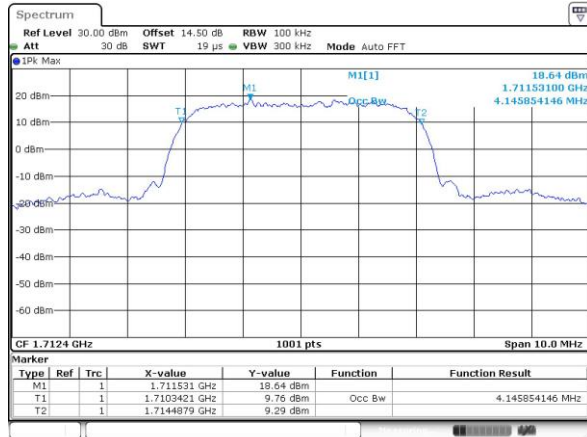
## Highest Channel



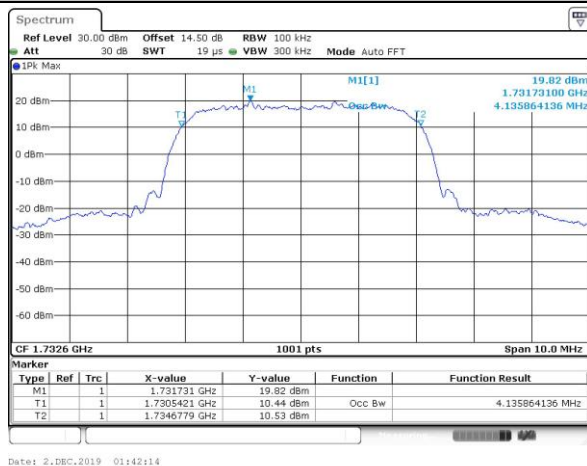


### WCDMA Band IV (RMC 12.2Kbps)

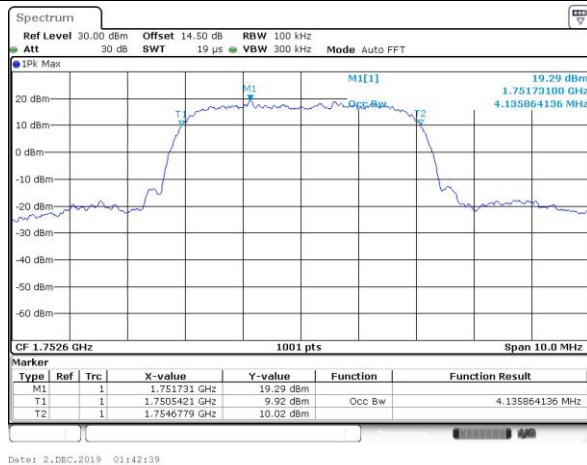
#### Lowest Channel



#### Middle Channel



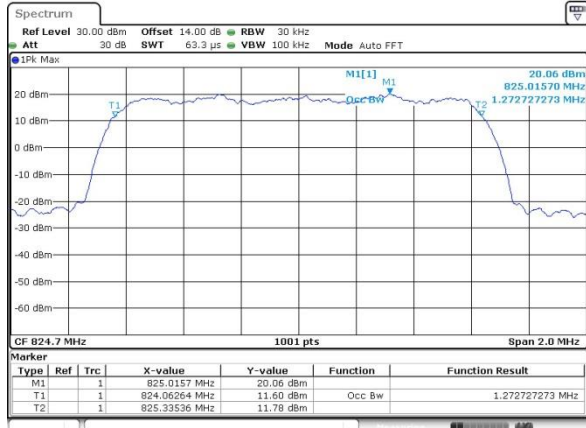
#### Highest Channel





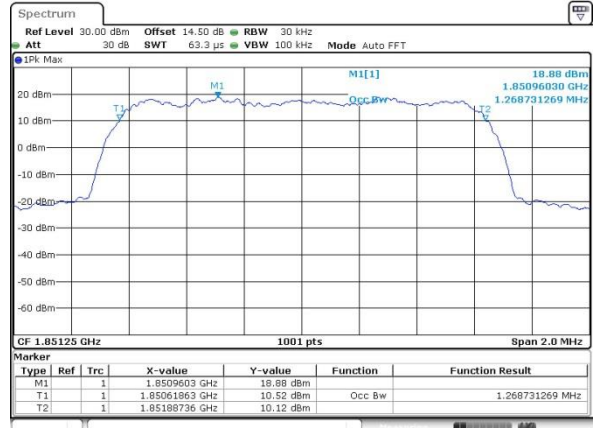
## CDMA BC0 (1xRTT)

## Lowest Channel

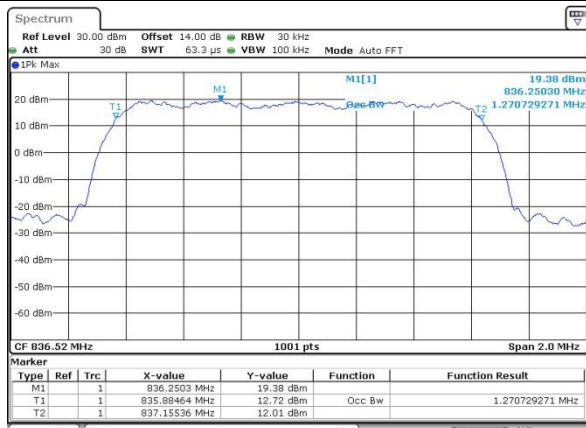


## CDMA BC1 (1xRTT)

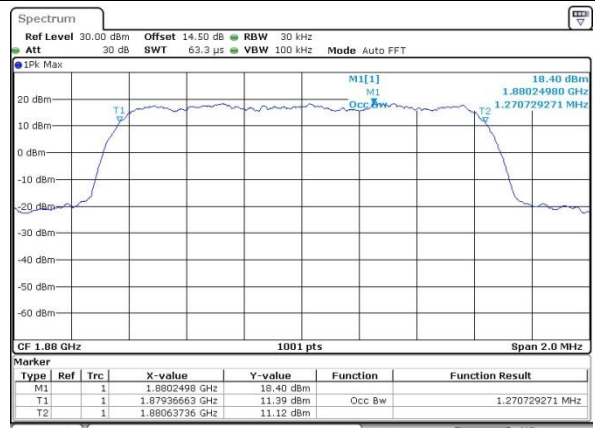
## Lowest Channel



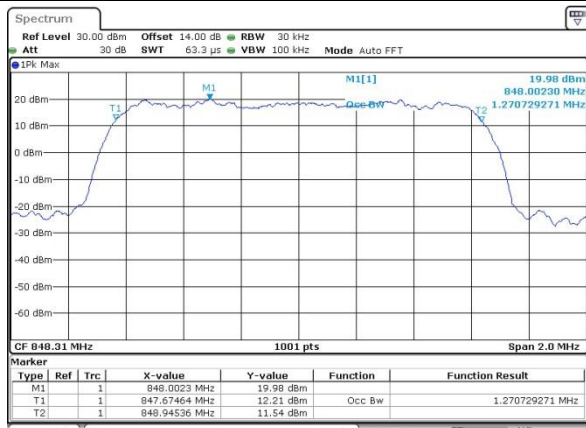
## Middle Channel



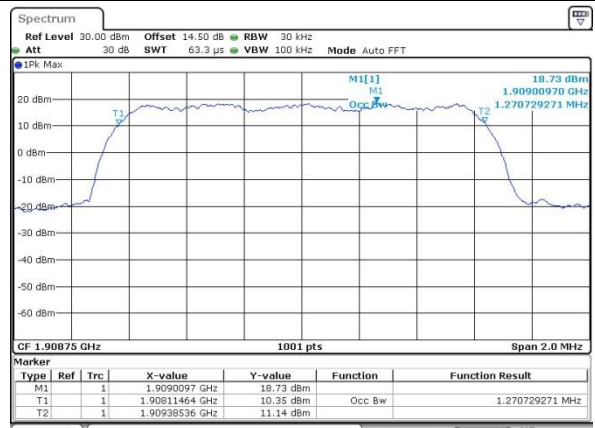
## Middle Channel

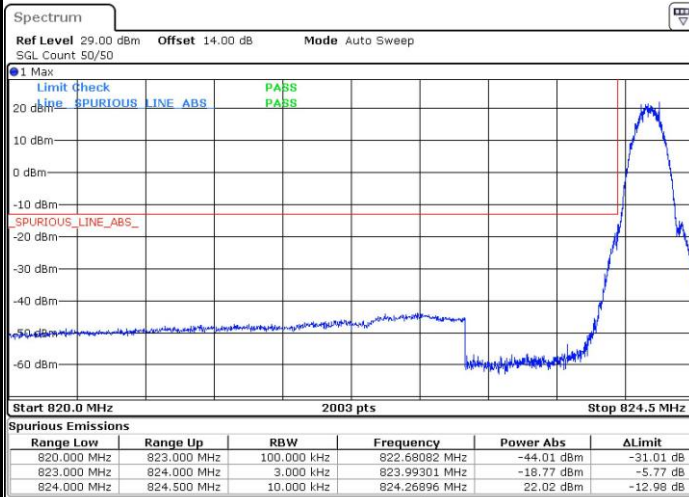
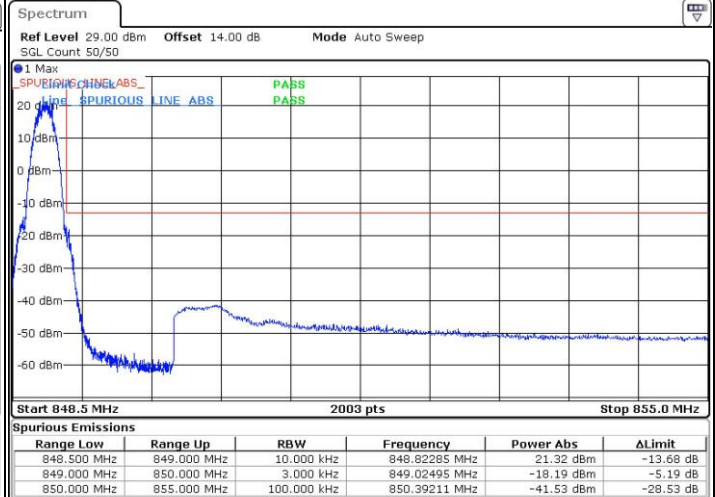
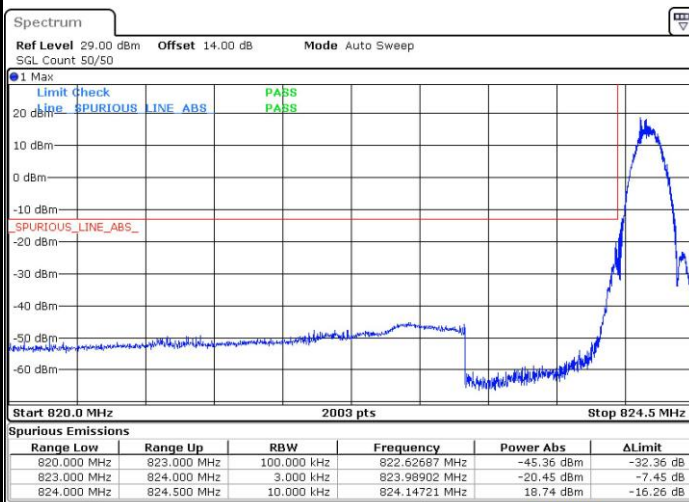
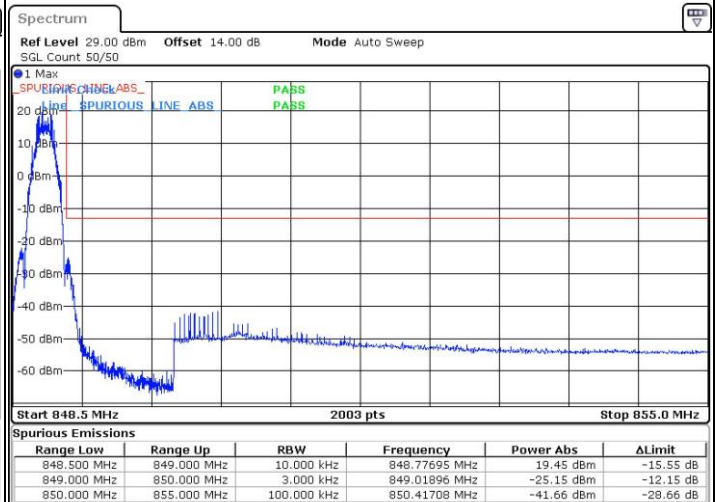


## Highest Channel



## Highest Channel

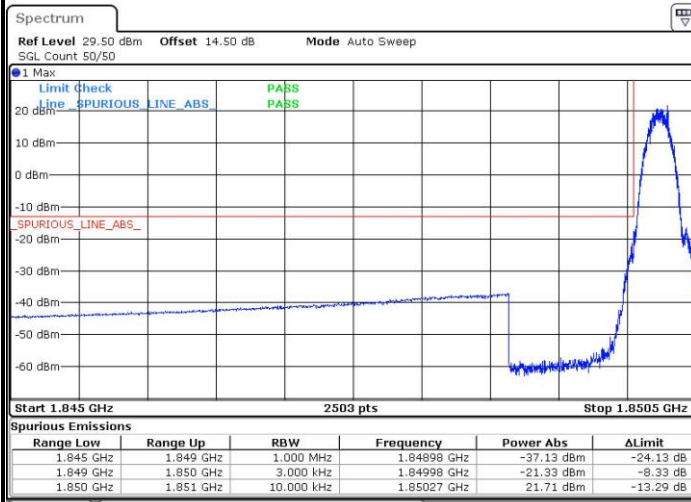


**Conducted Band Edge****GSM850 (GSM)****Lowest Band Edge****Highest Band Edge****GSM850 (EDGE class 8)****Lowest Band Edge****Highest Band Edge**

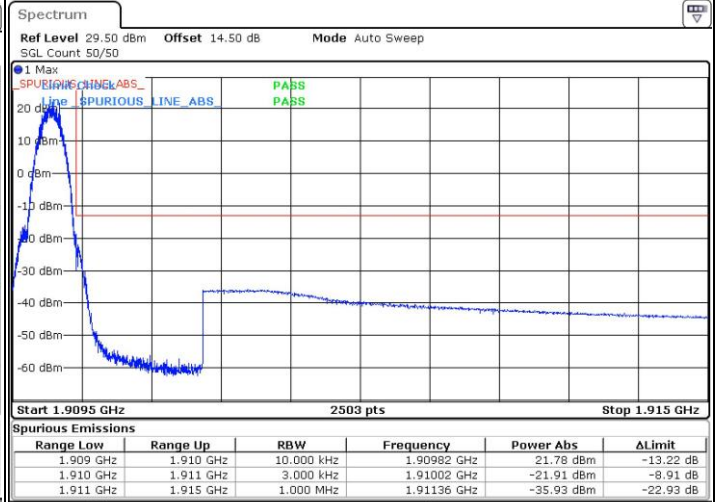


## GSM1900 (GSM)

## Lowest Band Edge

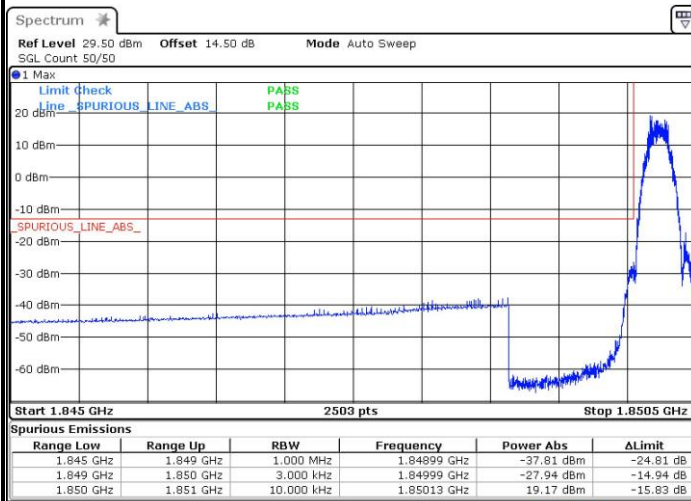


## Highest Band Edge

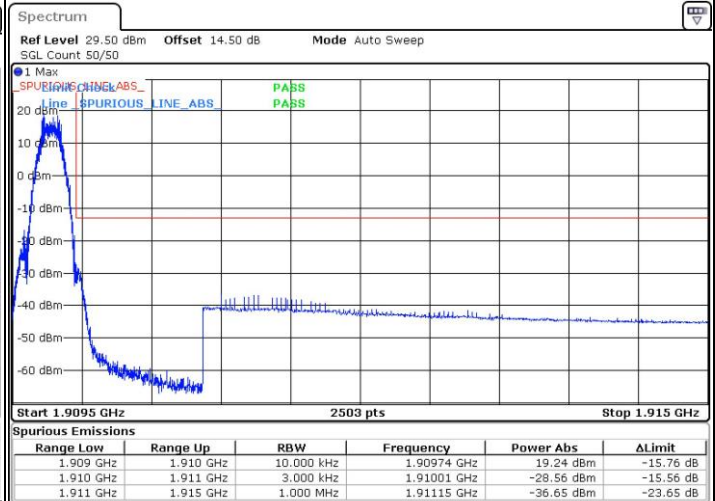


## GSM1900 (EDGE class 8)

## Lowest Band Edge



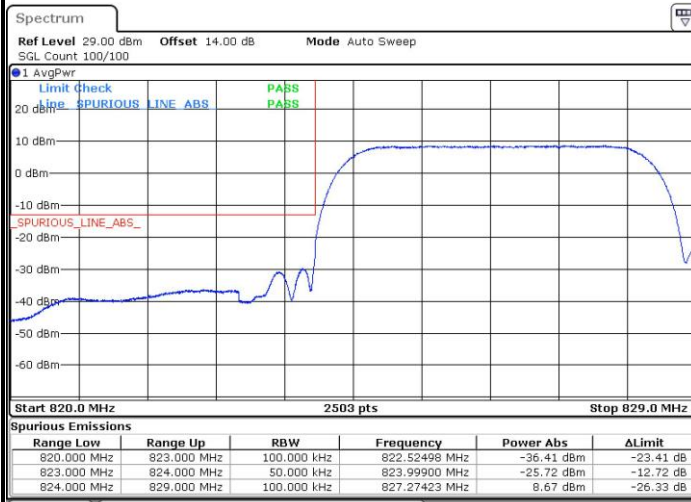
## Highest Band Edge





## WCDMA Band V (RMC 12.2Kbps)

## Lowest Band Edge

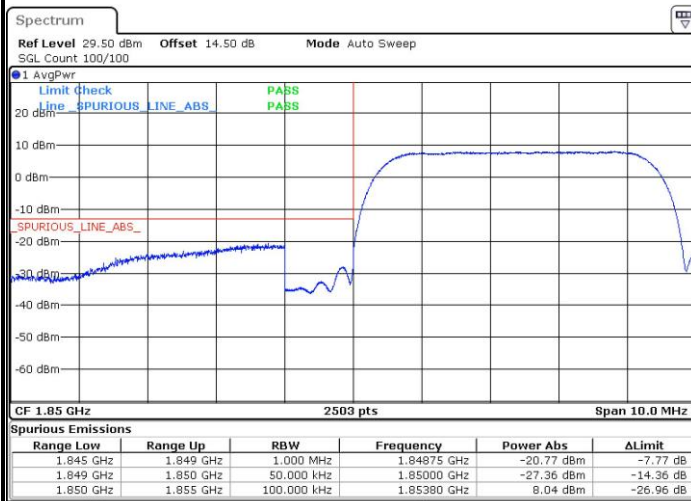


## Highest Band Edge



## WCDMA Band II (RMC 12.2Kbps)

## Lowest Band Edge



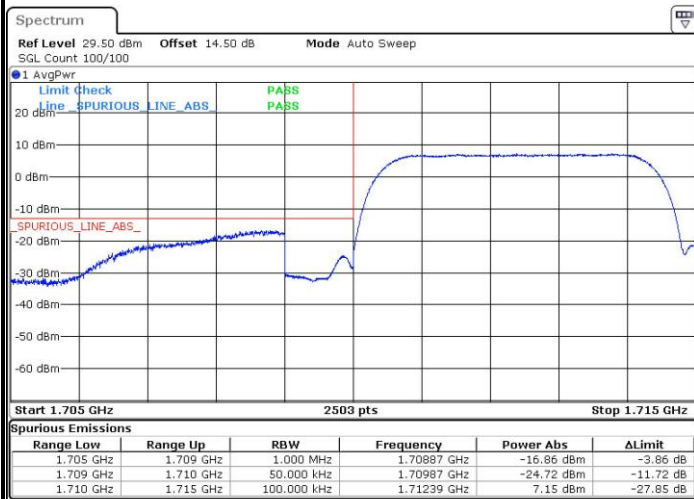
## Highest Band Edge





## WCDMA Band IV (RMC 12.2Kbps)

## Lowest Band Edge

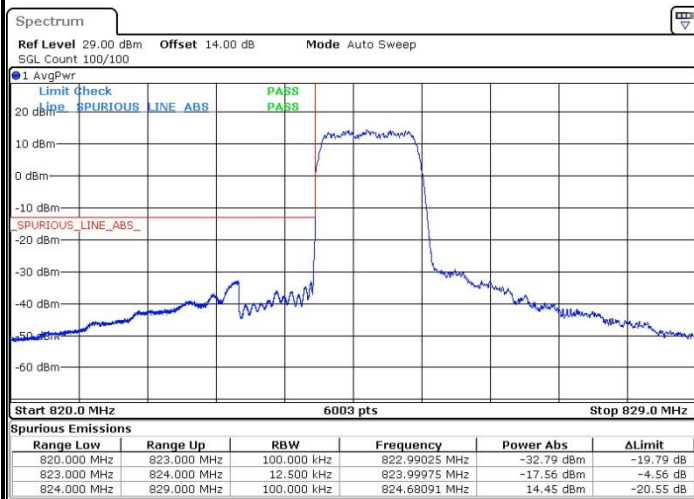


## Highest Band Edge

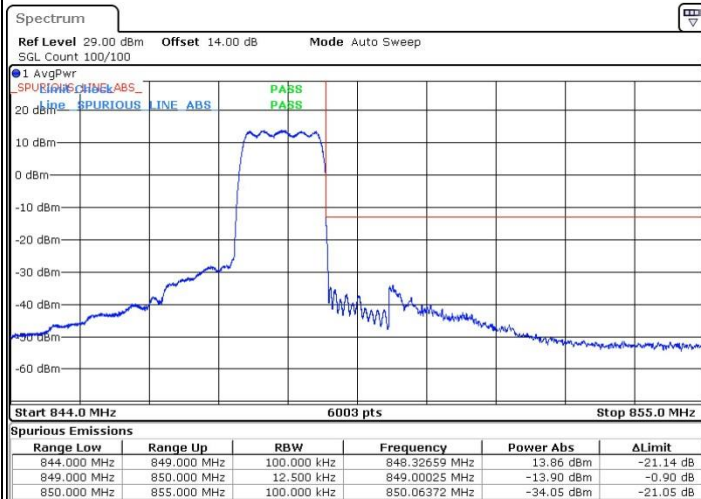


## CDMA BC0 (1xRTT)

## Lowest Band Edge



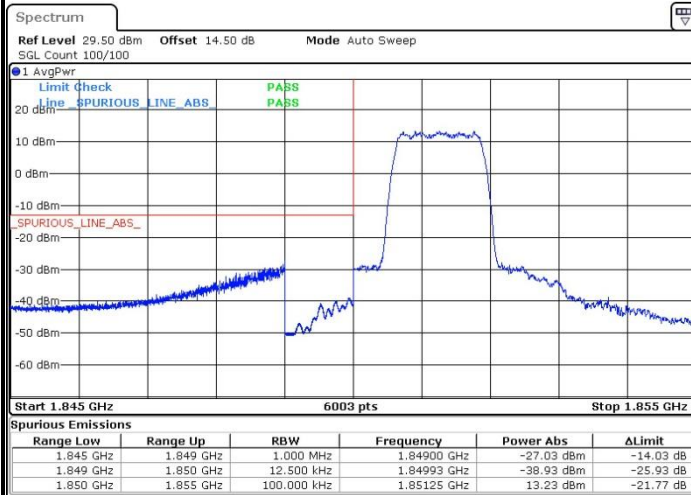
## Highest Band Edge





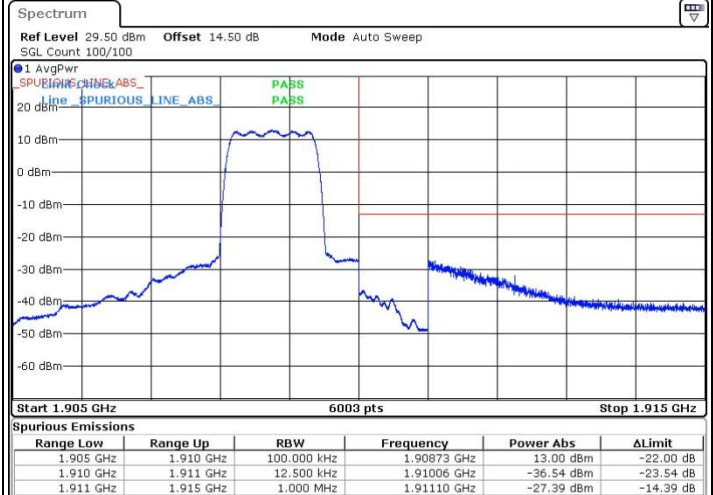
## CDMA BC1 (1xRTT)

## Lowest Band Edge



Date: 16.DEC.2019 16:17:20

## Highest Band Edge



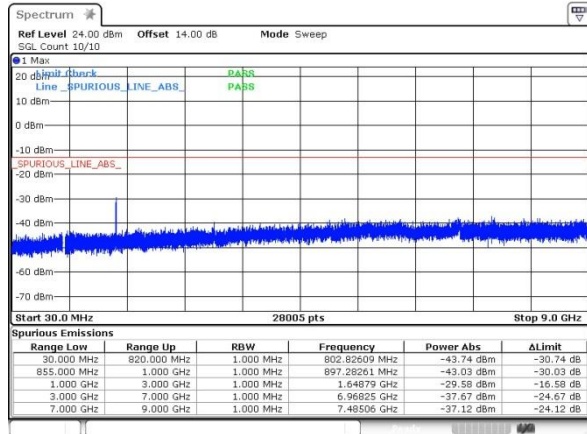
Date: 16.DEC.2019 16:20:01



## Conducted Spurious Emission

### GSM850 (GSM)

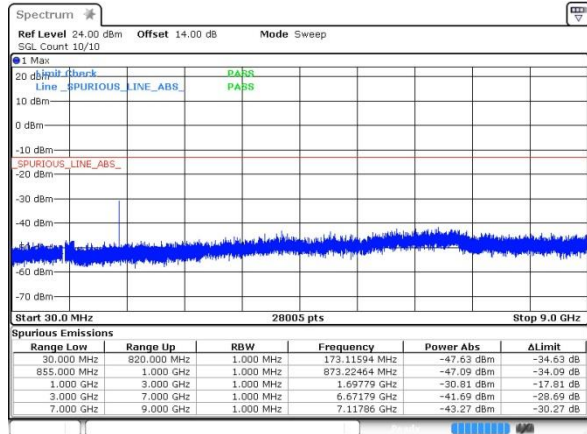
#### Lowest Channel



Date: 2.DEC.2019 20:42:55

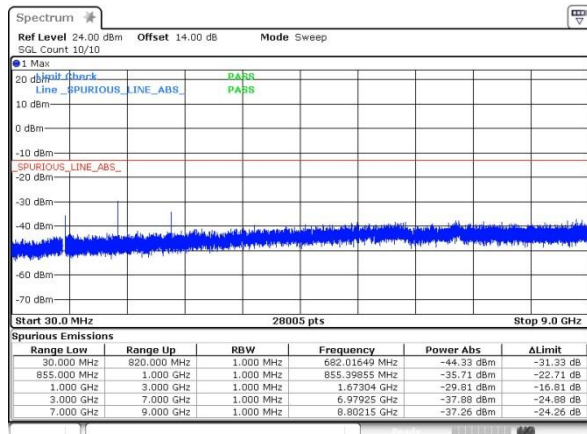
### GSM850 (EDGE class 8)

#### Lowest Channel



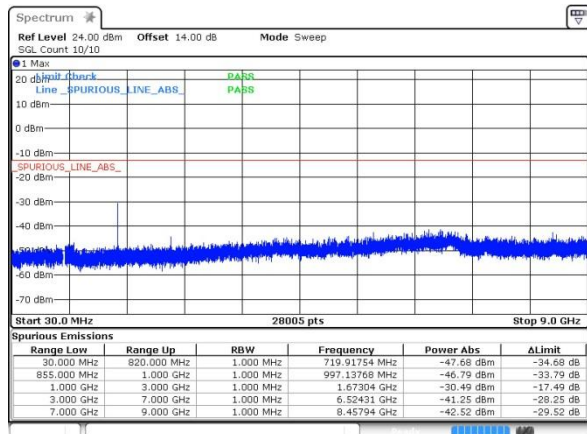
Date: 4 DEC 2019 19:19:41

#### Middle Channel



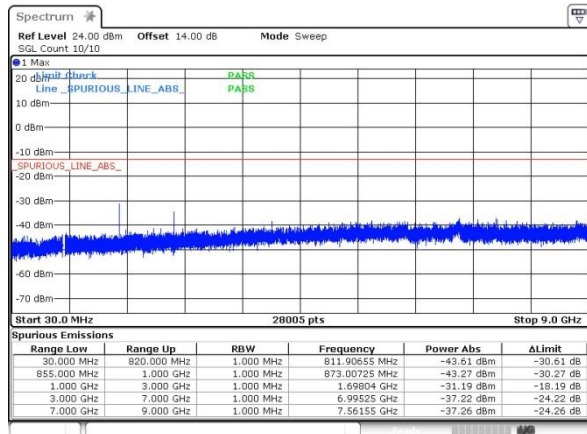
Date: 2.DEC.2019 20:43:32

#### Middle Channel



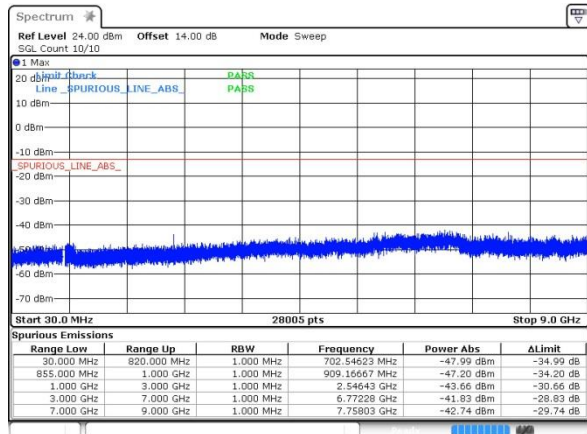
Date: 4 DEC 2019 19:20:13

#### Highest Channel



Date: 2.DEC.2019 20:43:50

#### Highest Channel

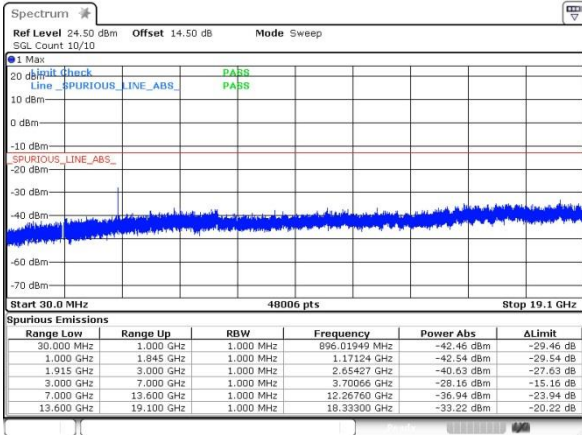


Date: 4 DEC 2019 19:20:38



## GSM1900 (GSM)

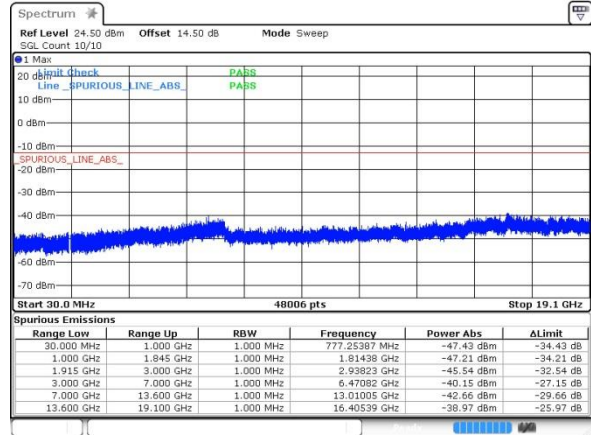
## Lowest Channel



Date: 2.DEC.2019 20:57:49

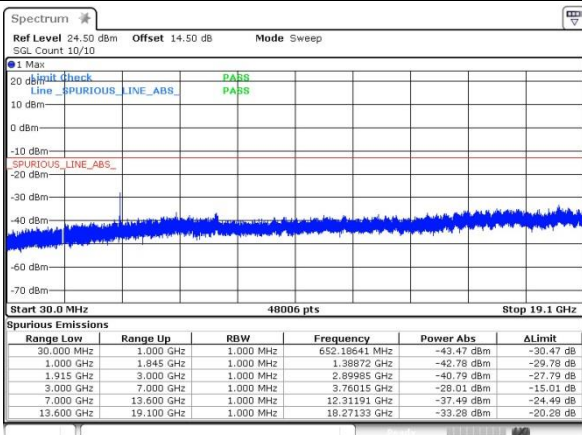
## GSM1900 (EDGE class 8)

## Lowest Channel



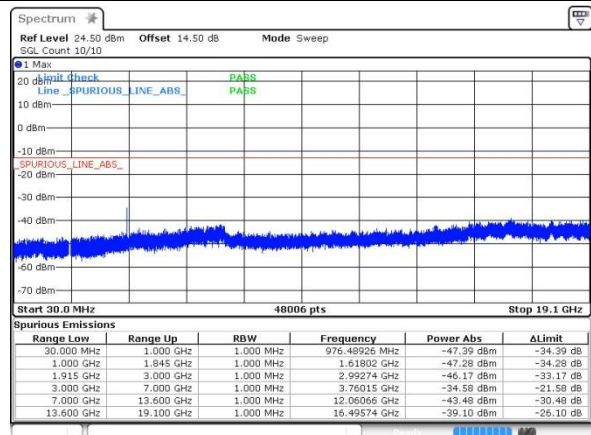
Date: 4 DEC 2019 19:41:21

## Middle Channel



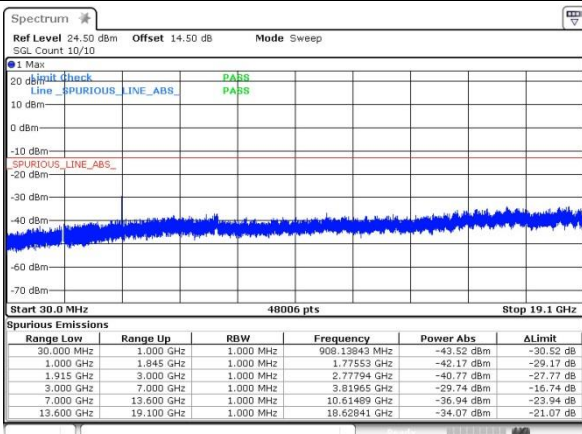
Date: 2.DEC.2019 20:58:38

## Middle Channel



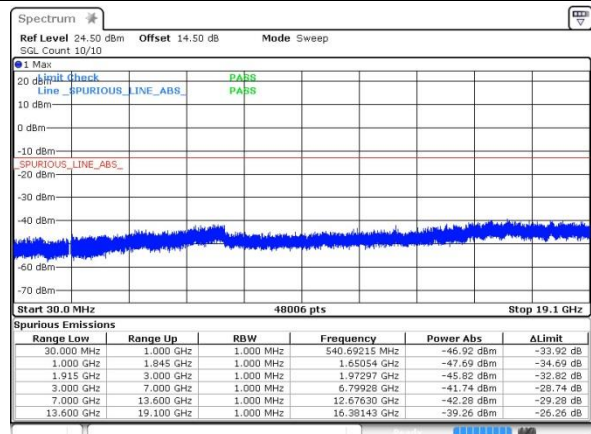
Date: 4 DEC 2019 19:41:42

## Highest Channel



Date: 2.DEC.2019 20:59:04

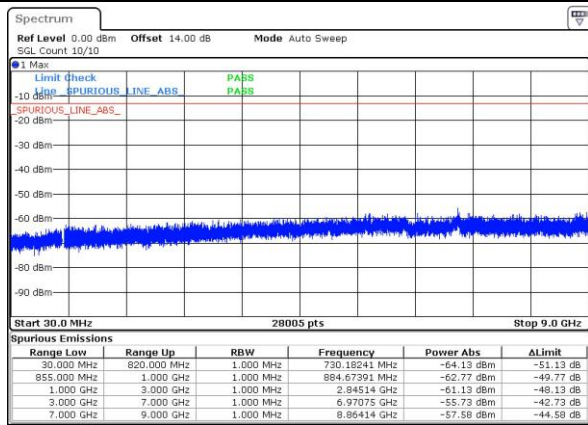
## Highest Channel



Date: 4 DEC 2019 19:42:12

**WCDMA Band V (RMC 12.2Kbps)**

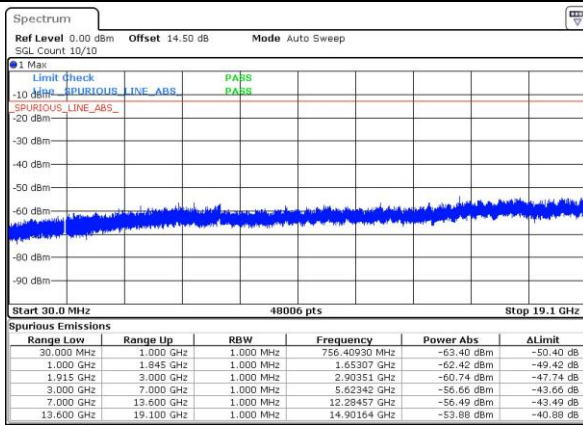
## Lowest Channel



Date: 2 DEC 2019 02:12:56

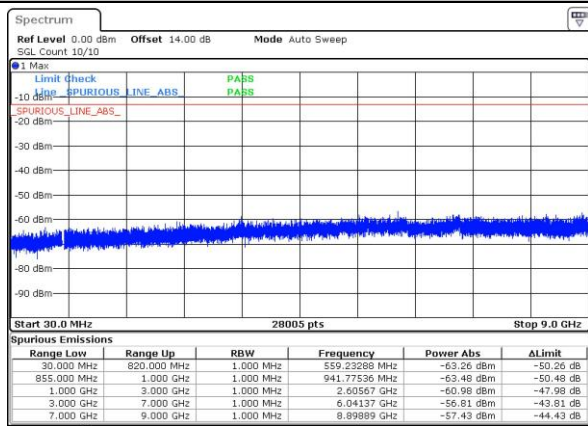
### WCDMA Band II (RMC 12.2Kbps)

### Lowest Channel



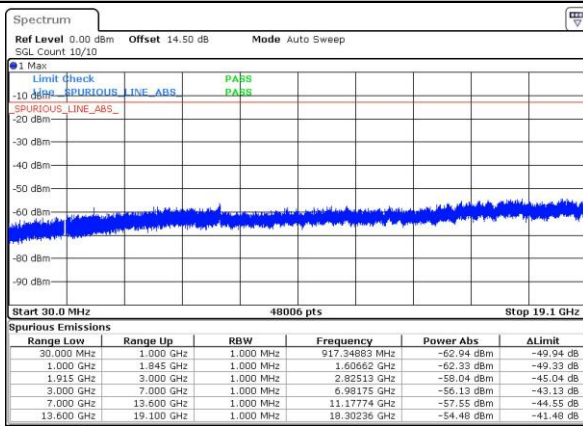
Date: 2-DEC-2019 01:29:44

## Middle Channel



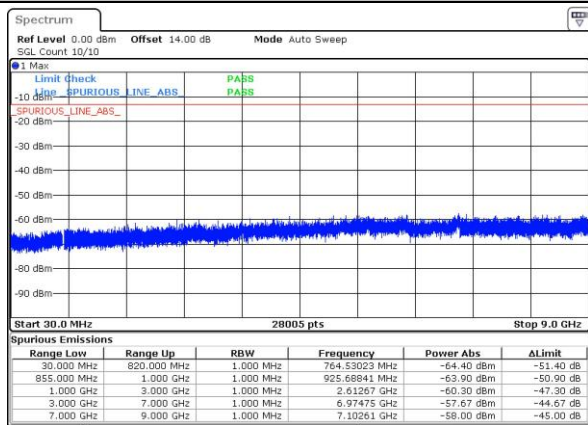
Date: 2.DEC.2019 02:14:30

## Middle Channel



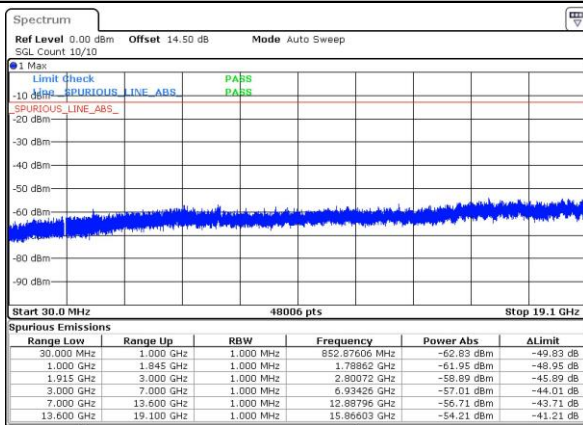
Date: 2.DEC.2019 01:31:15

### Highest Channel



Date: 2 DEC 2019 02:15:46

### Highest Channel

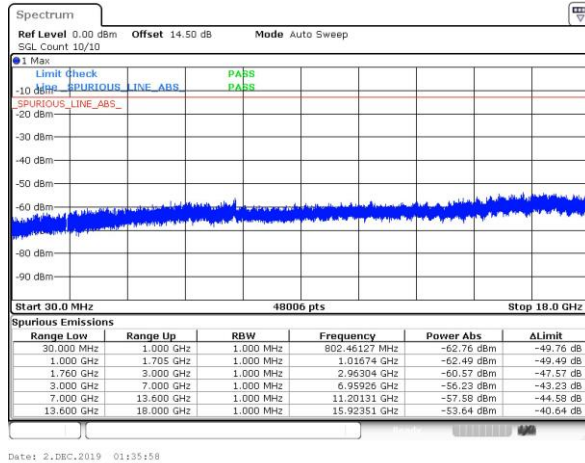


Date: 2 DEC 2019 01:32:48

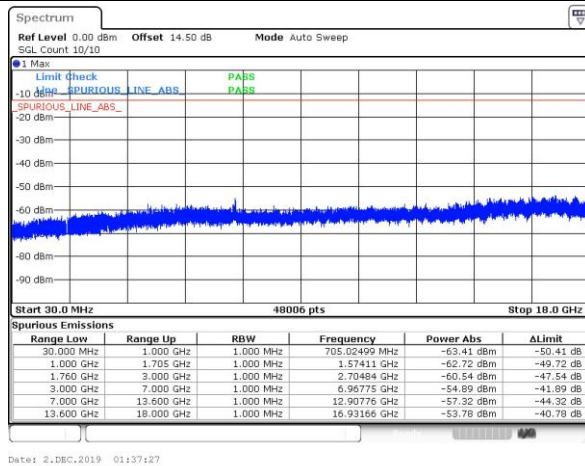


## WCDMA Band IV (RMC 12.2Kbps)

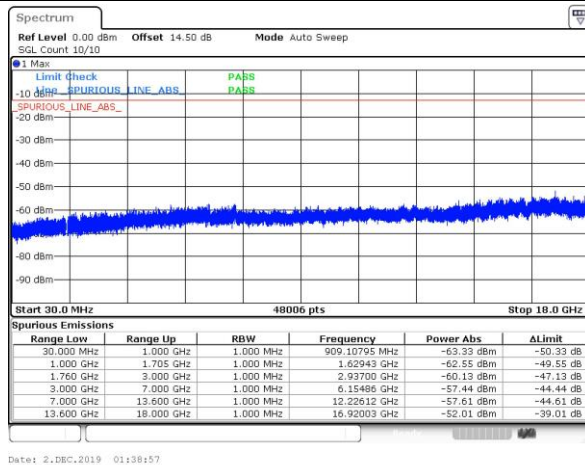
## Lowest Channel



## Middle Channel



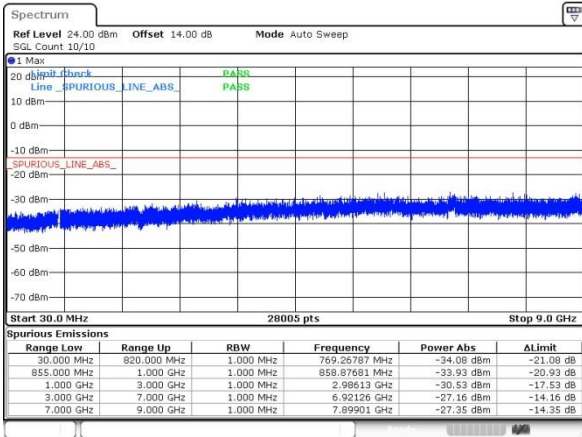
## Highest Channel





## CDMA BC0 (1xRTT)

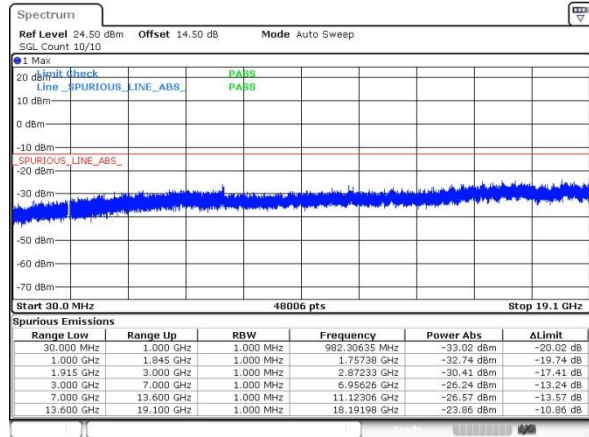
## Lowest Channel



Date: 16.DEC.2019 16:01:04

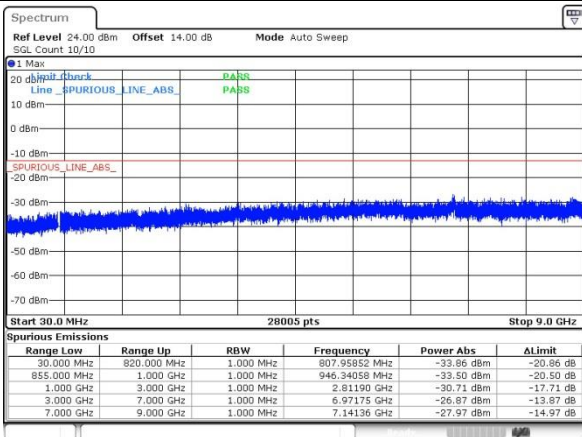
## CDMA BC1 (1xRTT)

## Lowest Channel



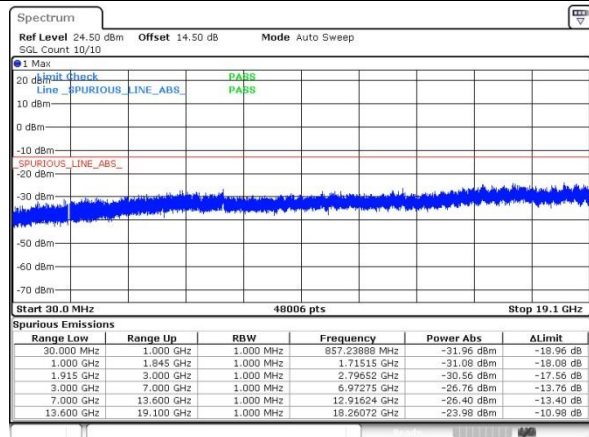
Date: 16.DEC.2019 16:12:27

## Middle Channel



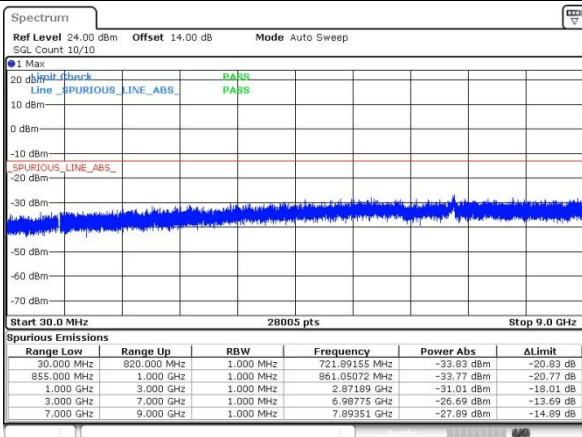
Date: 16.DEC.2019 16:03:48

## Middle Channel



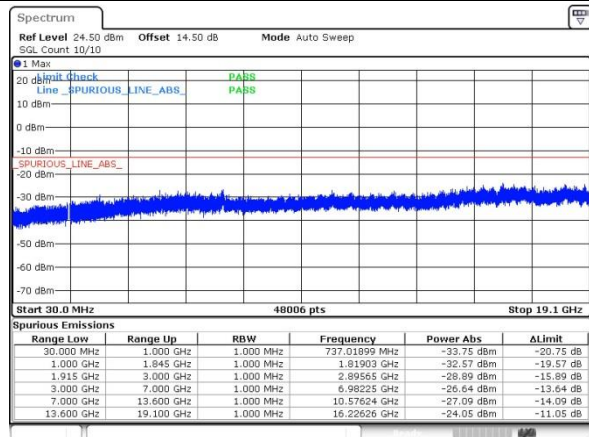
Date: 16.DEC.2019 16:13:10

## Highest Channel



Date: 16.DEC.2019 16:06:30

## Highest Channel



Date: 16.DEC.2019 16:13:57

**Frequency Stability**

| Test Conditions  | Middle Channel    | GSM850<br>(GSM) | GSM850<br>(EDGE class 8) | Limit<br>2.5ppm |
|------------------|-------------------|-----------------|--------------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm) |                          | Result          |
| 50               | Normal Voltage    | 0.0120          | 0.0122                   | PASS            |
| 40               | Normal Voltage    | 0.0012          | 0.0011                   |                 |
| 30               | Normal Voltage    | 0.0019          | 0.0007                   |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000          | 0.0000                   |                 |
| 10               | Normal Voltage    | 0.0000          | 0.0138                   |                 |
| 0                | Normal Voltage    | 0.0026          | 0.0007                   |                 |
| -10              | Normal Voltage    | 0.0006          | 0.0013                   |                 |
| -20              | Normal Voltage    | 0.0036          | 0.0138                   |                 |
| -30              | Normal Voltage    | 0.0025          | 0.0133                   |                 |
| 20               | Maximum Voltage   | 0.0108          | 0.0128                   |                 |
| 20               | Normal Voltage    | 0.0000          | 0.0000                   |                 |
| 20               | Battery End Point | 0.0012          | 0.0009                   |                 |

**Note:** Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.45 V

| Test Conditions  | Middle Channel    | GSM1900<br>(GSM) | GSM1900<br>(EDGE class 8) | Limit<br>Note 2. |
|------------------|-------------------|------------------|---------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)  |                           | Result           |
| 50               | Normal Voltage    | 0.0170           | 0.0138                    | PASS             |
| 40               | Normal Voltage    | 0.0022           | 0.0015                    |                  |
| 30               | Normal Voltage    | 0.0026           | 0.0019                    |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000           | 0.0000                    |                  |
| 10               | Normal Voltage    | 0.0024           | 0.0154                    |                  |
| 0                | Normal Voltage    | 0.0017           | 0.0009                    |                  |
| -10              | Normal Voltage    | 0.0029           | 0.0004                    |                  |
| -20              | Normal Voltage    | 0.0004           | 0.0140                    |                  |
| -30              | Normal Voltage    | 0.0011           | 0.0149                    |                  |
| 20               | Maximum Voltage   | 0.0148           | 0.0144                    |                  |
| 20               | Normal Voltage    | 0.0000           | 0.0000                    |                  |
| 20               | Battery End Point | 0.0033           | 0.0137                    |                  |

**Note:**

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.45 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 V<br>(RMC 12.2Kbps) | Limit<br>2.5ppm |
|------------------|-------------------|--------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                | Result          |
| 50               | Normal Voltage    | 0.0002                         | PASS            |
| 40               | Normal Voltage    | 0.0001                         |                 |
| 30               | Normal Voltage    | 0.0005                         |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                 |
| 10               | Normal Voltage    | 0.0001                         |                 |
| 0                | Normal Voltage    | 0.0006                         |                 |
| -10              | Normal Voltage    | 0.0018                         |                 |
| -20              | Normal Voltage    | 0.0006                         |                 |
| -30              | Normal Voltage    | 0.0005                         |                 |
| 20               | Maximum Voltage   | 0.0145                         |                 |
| 20               | Normal Voltage    | 0.0000                         |                 |
| 20               | Battery End Point | 0.0004                         |                 |

**Note:** Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.45 V

| 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    | 0.0012                          | PASS             |
| 40               | Normal Voltage    | 0.0001                          |                  |
| 30               | Normal Voltage    | 0.0010                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0010                          |                  |
| 0                | Normal Voltage    | 0.0002                          |                  |
| -10              | Normal Voltage    | 0.0018                          |                  |
| -20              | Normal Voltage    | 0.0006                          |                  |
| -30              | Normal Voltage    | 0.0001                          |                  |
| 20               | Maximum Voltage   | 0.0002                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0005                          |                  |



| 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    | 0.0014                          | PASS             |
| 40               | Normal Voltage    | 0.0019                          |                  |
| 30               | Normal Voltage    | 0.0001                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0016                          |                  |
| 0                | Normal Voltage    | 0.0005                          |                  |
| -10              | Normal Voltage    | 0.0004                          |                  |
| -20              | Normal Voltage    | 0.0001                          |                  |
| -30              | Normal Voltage    | 0.0008                          |                  |
| 20               | Maximum Voltage   | 0.0014                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0016                          |                  |

**Note:**

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

| Test Conditions  | Middle Channel    | CDMA BC0<br>(1xRTT) | Limit  |
|------------------|-------------------|---------------------|--------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)     | 2.5ppm |
| 50               | Normal Voltage    | 0.0105              | PASS   |
| 40               | Normal Voltage    | 0.0108              |        |
| 30               | Normal Voltage    | 0.0103              |        |
| 20(Ref.)         | Normal Voltage    | 0.0000              |        |
| 10               | Normal Voltage    | 0.0111              |        |
| 0                | Normal Voltage    | 0.0115              |        |
| -10              | Normal Voltage    | 0.0112              |        |
| -20              | Normal Voltage    | 0.0111              |        |
| -30              | Normal Voltage    | 0.0117              |        |
| 20               | Maximum Voltage   | 0.0109              |        |
| 20               | Normal Voltage    | 0.0000              |        |
| 20               | Battery End Point | 0.0118              |        |

**Note:** Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.45 V



| Test Conditions  | Middle Channel    | CDMA BC1<br>(1xRTT) | Limit<br>Note 2. |
|------------------|-------------------|---------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)     | Result           |
| 50               | Normal Voltage    | 0.0261              | PASS             |
| 40               | Normal Voltage    | 0.0260              |                  |
| 30               | Normal Voltage    | 0.0259              |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000              |                  |
| 10               | Normal Voltage    | 0.0257              |                  |
| 0                | Normal Voltage    | 0.0257              |                  |
| -10              | Normal Voltage    | 0.0258              |                  |
| -20              | Normal Voltage    | 0.0257              |                  |
| -30              | Normal Voltage    | 0.0259              |                  |
| 20               | Maximum Voltage   | 0.0260              |                  |
| 20               | Normal Voltage    | 0.0000              |                  |
| 20               | Battery End Point | 0.0256              |                  |

**Note:**

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.45 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

#### Top Antenna:

| GSM850 (GSM) |                      |                |                  |                         |                         |                          |                            |                             |                       |
|--------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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               | -64.83         | -13              | -51.83                  | -73.90                  | -68.06                   | 3.98                       | 9.36                        | H                     |
|              | 2472.6               | -55.24         | -13              | -42.24                  | -68.74                  | -58.79                   | 4.85                       | 10.55                       | H                     |
|              | 3296.8               | -66.07         | -13              | -53.07                  | -81.65                  | -71.00                   | 5.50                       | 12.58                       | H                     |
|              | 1648.4               | -69.65         | -13              | -56.65                  | -78.35                  | -72.88                   | 3.98                       | 9.36                        | V                     |
|              | 2472.6               | -65.01         | -13              | -52.01                  | -78.44                  | -68.56                   | 4.85                       | 10.55                       | V                     |
|              | 3296.8               | -66.28         | -13              | -53.28                  | -81.93                  | -71.21                   | 5.50                       | 12.58                       | V                     |
| Middle       | 1672.8               | -63.52         | -13              | -50.52                  | -72.37                  | -66.77                   | 4.00                       | 9.40                        | H                     |
|              | 2509.2               | -56.66         | -13              | -43.66                  | -70.14                  | -60.23                   | 4.88                       | 10.60                       | H                     |
|              | 3345.6               | -66.49         | -13              | -53.49                  | -81.96                  | -71.42                   | 5.52                       | 12.60                       | H                     |
|              | 1672.8               | -69.70         | -13              | -56.70                  | -78.34                  | -72.95                   | 4.00                       | 9.40                        | V                     |
|              | 2509.2               | -65.29         | -13              | -52.29                  | -78.62                  | -68.86                   | 4.88                       | 10.60                       | V                     |
|              | 3345.6               | -66.30         | -13              | -53.30                  | -81.77                  | -71.23                   | 5.52                       | 12.60                       | V                     |
| Highest      | 1697.6               | -64.45         | -13              | -51.45                  | -73.43                  | -67.62                   | 4.10                       | 9.42                        | H                     |
|              | 2546.4               | -57.41         | -13              | -44.41                  | -70.81                  | -60.99                   | 4.90                       | 10.63                       | H                     |
|              | 3395.2               | -66.73         | -13              | -53.73                  | -81.76                  | -71.65                   | 5.55                       | 12.62                       | H                     |
|              | 1697.6               | -68.62         | -13              | -55.62                  | -77.40                  | -71.79                   | 4.10                       | 9.42                        | V                     |
|              | 2546.4               | -64.73         | -13              | -51.73                  | -78.03                  | -68.31                   | 4.90                       | 10.63                       | V                     |
|              | 3395.2               | -66.89         | -13              | -53.89                  | -81.95                  | -71.81                   | 5.55                       | 12.62                       | V                     |

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



| GSM850 (EDGE class 8) |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                | 1648.4            | -65.24      | -13           | -52.24            | -74.31            | -68.47             | 3.98                 | 9.36                  | H                  |
|                       | 2472.6            | -57.37      | -13           | -44.37            | -70.87            | -60.92             | 4.85                 | 10.55                 | H                  |
|                       | 3296.8            | -66.04      | -13           | -53.04            | -81.62            | -70.97             | 5.50                 | 12.58                 | H                  |
|                       | 1648.4            | -69.73      | -13           | -56.73            | -78.43            | -72.96             | 3.98                 | 9.36                  | V                  |
|                       | 2472.6            | -66.89      | -13           | -53.89            | -80.32            | -70.44             | 4.85                 | 10.55                 | V                  |
|                       | 3296.8            | -66.12      | -13           | -53.12            | -81.77            | -71.05             | 5.50                 | 12.58                 | V                  |
| Middle                | 1672.8            | -62.44      | -13           | -49.44            | -71.29            | -65.69             | 4.00                 | 9.40                  | H                  |
|                       | 2509.2            | -58.99      | -13           | -45.99            | -72.47            | -62.56             | 4.88                 | 10.60                 | H                  |
|                       | 3345.6            | -66.66      | -13           | -53.66            | -82.13            | -71.59             | 5.52                 | 12.60                 | H                  |
|                       | 1672.8            | -70.52      | -13           | -57.52            | -79.16            | -73.77             | 4.00                 | 9.40                  | V                  |
|                       | 2509.2            | -66.98      | -13           | -53.98            | -80.31            | -70.55             | 4.88                 | 10.60                 | V                  |
|                       | 3345.6            | -66.75      | -13           | -53.75            | -82.22            | -71.68             | 5.52                 | 12.60                 | V                  |
| Highest               | 1697.6            | -62.84      | -13           | -49.84            | -71.82            | -66.01             | 4.10                 | 9.42                  | H                  |
|                       | 2546.4            | -60.95      | -13           | -47.95            | -74.35            | -64.53             | 4.90                 | 10.63                 | H                  |
|                       | 3395.2            | -67.32      | -13           | -54.32            | -82.35            | -72.24             | 5.55                 | 12.62                 | H                  |
|                       | 1697.6            | -69.96      | -13           | -56.96            | -78.74            | -73.13             | 4.10                 | 9.42                  | V                  |
|                       | 2546.4            | -66.51      | -13           | -53.51            | -79.81            | -70.09             | 4.90                 | 10.63                 | V                  |
|                       | 3395.2            | -67.29      | -13           | -54.29            | -82.35            | -72.21             | 5.55                 | 12.62                 | V                  |

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

| GSM1900 (GSM) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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        | 3700.4            | -64.29       | -13           | -51.29            | -81.21            | -71.05             | 5.82                 | 12.58                 | H                  |
|               | 5550.6            | -62.31       | -13           | -49.31            | -83.22            | -68.03             | 7.28                 | 13.00                 | H                  |
|               | 7400.8            | -56.79       | -13           | -43.79            | -83.63            | -59.95             | 8.32                 | 11.48                 | H                  |
|               | 3700.4            | -64.27       | -13           | -51.27            | -81.22            | -71.03             | 5.82                 | 12.58                 | V                  |
|               | 5550.6            | -61.95       | -13           | -48.95            | -83.06            | -67.67             | 7.28                 | 13.00                 | V                  |
|               | 7400.8            | -56.94       | -13           | -43.94            | -83.46            | -60.10             | 8.32                 | 11.48                 | V                  |
| Middle        | 3760              | -63.96       | -13           | -50.96            | -80.96            | -70.71             | 5.85                 | 12.60                 | H                  |
|               | 5640              | -62.49       | -13           | -49.49            | -83.16            | -68.29             | 7.30                 | 13.10                 | H                  |
|               | 7520              | -56.79       | -13           | -43.79            | -83.06            | -59.94             | 8.35                 | 11.50                 | H                  |
|               | 3760              | -63.77       | -13           | -50.77            | -80.81            | -70.52             | 5.85                 | 12.60                 | V                  |
|               | 5640              | -61.87       | -13           | -48.87            | -82.94            | -67.67             | 7.30                 | 13.10                 | V                  |
|               | 7520              | -56.98       | -13           | -43.98            | -83.06            | -60.13             | 8.35                 | 11.50                 | V                  |
| Highest       | 3819.6            | -64.51       | -13           | -51.51            | -81.64            | -71.25             | 5.88                 | 12.62                 | H                  |
|               | 5729.4            | -62.52       | -13           | -49.52            | -83.53            | -68.33             | 7.32                 | 13.13                 | H                  |
|               | 7639.2            | -57.31       | -13           | -44.31            | -83.33            | -60.47             | 8.38                 | 11.54                 | H                  |
|               | 3819.6            | -64.39       | -13           | -51.39            | -81.58            | -71.13             | 5.88                 | 12.62                 | V                  |
|               | 5729.4            | -62.24       | -13           | -49.24            | -83.58            | -68.05             | 7.32                 | 13.13                 | V                  |
|               | 7639.2            | -57.30       | -13           | -44.30            | -83.17            | -60.46             | 8.38                 | 11.54                 | V                  |

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



| GSM1900 (EDGE class 8) |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                 | 3700.4            | -64.47       | -13           | -51.47            | -81.39            | -71.23             | 5.82                 | 12.58                 | H                  |
|                        | 5550.6            | -62.28       | -13           | -49.28            | -83.19            | -68.00             | 7.28                 | 13.00                 | H                  |
|                        | 7400.8            | -56.90       | -13           | -43.90            | -83.74            | -60.06             | 8.32                 | 11.48                 | H                  |
|                        | 3700.4            | -64.47       | -13           | -51.47            | -81.42            | -71.23             | 5.82                 | 12.58                 | V                  |
|                        | 5550.6            | -62.63       | -13           | -49.63            | -83.74            | -68.35             | 7.28                 | 13.00                 | V                  |
|                        | 7400.8            | -56.87       | -13           | -43.87            | -83.39            | -60.03             | 8.32                 | 11.48                 | V                  |
| Middle                 | 3760              | -64.08       | -13           | -51.08            | -81.08            | -70.83             | 5.85                 | 12.60                 | H                  |
|                        | 5640              | -62.52       | -13           | -49.52            | -83.19            | -68.32             | 7.30                 | 13.10                 | H                  |
|                        | 7520              | -57.21       | -13           | -44.21            | -83.48            | -60.36             | 8.35                 | 11.50                 | H                  |
|                        | 3760              | -64.59       | -13           | -51.59            | -81.63            | -71.34             | 5.85                 | 12.60                 | V                  |
|                        | 5640              | -62.42       | -13           | -49.42            | -83.49            | -68.22             | 7.30                 | 13.10                 | V                  |
|                        | 7520              | -57.42       | -13           | -44.42            | -83.5             | -60.57             | 8.35                 | 11.50                 | V                  |
| Highest                | 3819.6            | -64.20       | -13           | -51.20            | -81.33            | -70.94             | 5.88                 | 12.62                 | H                  |
|                        | 5729.4            | -62.14       | -13           | -49.14            | -83.15            | -67.95             | 7.32                 | 13.13                 | H                  |
|                        | 7639.2            | -57.11       | -13           | -44.11            | -83.13            | -60.27             | 8.38                 | 11.54                 | H                  |
|                        | 3819.6            | -64.44       | -13           | -51.44            | -81.63            | -71.18             | 5.88                 | 12.62                 | V                  |
|                        | 5729.4            | -61.87       | -13           | -48.87            | -83.21            | -67.68             | 7.32                 | 13.13                 | V                  |
|                        | 7639.2            | -57.36       | -13           | -44.36            | -83.23            | -60.52             | 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) |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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            | -69.48      | -13           | -56.48            | -78.58            | -72.71             | 3.98                 | 9.36                  | H                  |
|                            | 2479.2            | -67.16      | -13           | -54.16            | -80.66            | -70.71             | 4.85                 | 10.55                 | H                  |
|                            | 3305.6            | -66.47      | -13           | -53.47            | -82.01            | -71.40             | 5.50                 | 12.58                 | H                  |
|                            | 1652.8            | -70.22      | -13           | -57.22            | -78.95            | -73.45             | 3.98                 | 9.36                  | V                  |
|                            | 2479.2            | -67.02      | -13           | -54.02            | -80.45            | -70.57             | 4.85                 | 10.55                 | V                  |
|                            | 3305.6            | -66.50      | -13           | -53.50            | -82.09            | -71.43             | 5.50                 | 12.58                 | V                  |
| Middle                     | 1672.8            | -69.99      | -13           | -56.99            | -78.84            | -73.24             | 4.00                 | 9.40                  | H                  |
|                            | 2509.2            | -66.79      | -13           | -53.79            | -80.27            | -70.36             | 4.88                 | 10.60                 | H                  |
|                            | 3345.6            | -66.26      | -13           | -53.26            | -81.73            | -71.19             | 5.52                 | 12.60                 | H                  |
|                            | 1672.8            | -70.21      | -13           | -57.21            | -78.85            | -73.46             | 4.00                 | 9.40                  | V                  |
|                            | 2509.2            | -67.20      | -13           | -54.20            | -80.53            | -70.77             | 4.88                 | 10.60                 | V                  |
|                            | 3345.6            | -66.77      | -13           | -53.77            | -82.24            | -71.70             | 5.52                 | 12.60                 | V                  |
| Highest                    | 1693.2            | -69.75      | -13           | -56.75            | -78.73            | -72.92             | 4.10                 | 9.42                  | H                  |
|                            | 2539.8            | -67.18      | -13           | -54.18            | -80.57            | -70.76             | 4.90                 | 10.63                 | H                  |
|                            | 3386.4            | -67.10      | -13           | -54.10            | -82.27            | -72.02             | 5.55                 | 12.62                 | H                  |
|                            | 1693.2            | -70.14      | -13           | -57.14            | -78.92            | -73.31             | 4.10                 | 9.42                  | V                  |
|                            | 2539.8            | -67.04      | -13           | -54.04            | -80.33            | -70.62             | 4.90                 | 10.63                 | V                  |
|                            | 3386.4            | -66.86      | -13           | -53.86            | -82.06            | -71.78             | 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) |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                      | 3700.4            | -63.11       | -13           | -50.11            | -80.03            | -69.87             | 5.82                 | 12.58                 | H                  |
|                             | 5550.6            | -61.99       | -13           | -48.99            | -82.90            | -67.71             | 7.28                 | 13.00                 | H                  |
|                             | 7400.8            | -56.70       | -13           | -43.70            | -83.54            | -59.86             | 8.32                 | 11.48                 | H                  |
|                             | 3700.4            | -64.15       | -13           | -51.15            | -81.1             | -70.91             | 5.82                 | 12.58                 | V                  |
|                             | 5550.6            | -60.55       | -13           | -47.55            | -81.66            | -66.27             | 7.28                 | 13.00                 | V                  |
|                             | 7400.8            | -56.92       | -13           | -43.92            | -83.44            | -60.08             | 8.32                 | 11.48                 | V                  |
| Middle                      | 3700.4            | -64.15       | -13           | -51.15            | -81.07            | -70.90             | 5.85                 | 12.60                 | H                  |
|                             | 5550.6            | -62.56       | -13           | -49.56            | -83.47            | -68.36             | 7.30                 | 13.10                 | H                  |
|                             | 7400.8            | -56.25       | -13           | -43.25            | -83.09            | -59.40             | 8.35                 | 11.50                 | H                  |
|                             | 3700.4            | -64.18       | -13           | -51.18            | -81.13            | -70.93             | 5.85                 | 12.60                 | V                  |
|                             | 5550.6            | -62.23       | -13           | -49.23            | -83.34            | -68.03             | 7.30                 | 13.10                 | V                  |
|                             | 7400.8            | -57.02       | -13           | -44.02            | -83.54            | -60.17             | 8.35                 | 11.50                 | V                  |
| Highest                     | 3819.6            | -62.27       | -13           | -49.27            | -79.40            | -69.01             | 5.88                 | 12.62                 | H                  |
|                             | 5729.4            | -62.41       | -13           | -49.41            | -83.42            | -68.22             | 7.32                 | 13.13                 | H                  |
|                             | 7639.2            | -57.21       | -13           | -44.21            | -83.23            | -60.37             | 8.38                 | 11.54                 | H                  |
|                             | 3819.6            | -64.42       | -13           | -51.42            | -81.61            | -71.16             | 5.88                 | 12.62                 | V                  |
|                             | 5729.4            | -61.62       | -13           | -48.62            | -82.96            | -67.43             | 7.32                 | 13.13                 | V                  |
|                             | 7639.2            | -56.86       | -13           | -43.86            | -82.73            | -60.02             | 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) |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                      | 3424.8            | -66.45       | -13           | -53.45            | -81.77            | -73.33             | 5.60                 | 12.48                 | H                  |
|                             | 5137.2            | -63.09       | -13           | -50.09            | -83.18            | -68.77             | 7.10                 | 12.78                 | H                  |
|                             | 6849.6            | -58.70       | -13           | -45.70            | -83.59            | -62.09             | 8.38                 | 11.77                 | H                  |
|                             | 3424.8            | -66.63       | -13           | -53.63            | -81.99            | -73.51             | 5.60                 | 12.48                 | V                  |
|                             | 5137.2            | -62.70       | -13           | -49.70            | -83.22            | -68.38             | 7.10                 | 12.78                 | V                  |
|                             | 6849.6            | -59.08       | -13           | -46.08            | -84.2             | -62.47             | 8.38                 | 11.77                 | V                  |
| Middle                      | 3465.2            | -65.50       | -13           | -52.50            | -81.12            | -72.35             | 5.65                 | 12.50                 | H                  |
|                             | 5197.8            | -63.69       | -13           | -50.69            | -83.86            | -69.36             | 7.13                 | 12.80                 | H                  |
|                             | 6930.4            | -58.94       | -13           | -45.94            | -84.23            | -62.34             | 8.40                 | 11.80                 | H                  |
|                             | 3465.2            | -65.76       | -13           | -52.76            | -81.41            | -72.61             | 5.65                 | 12.50                 | V                  |
|                             | 5197.8            | -63.20       | -13           | -50.20            | -83.82            | -68.87             | 7.13                 | 12.80                 | V                  |
|                             | 6930.4            | -59.04       | -13           | -46.04            | -84.44            | -62.44             | 8.40                 | 11.80                 | V                  |
| Highest                     | 3505.2            | -66.06       | -13           | -53.06            | -81.97            | -72.90             | 5.68                 | 12.52                 | H                  |
|                             | 5257.8            | -64.28       | -13           | -51.28            | -83.92            | -69.95             | 7.15                 | 12.82                 | H                  |
|                             | 7010.4            | -58.34       | -13           | -45.34            | -83.99            | -61.77             | 8.42                 | 11.85                 | H                  |
|                             | 3505.2            | -65.72       | -13           | -52.72            | -81.66            | -72.56             | 5.68                 | 12.52                 | V                  |
|                             | 5257.8            | -64.41       | -13           | -51.41            | -84.06            | -70.08             | 7.15                 | 12.82                 | V                  |
|                             | 7010.4            | -57.96       | -13           | -44.96            | -83.71            | -61.39             | 8.42                 | 11.85                 | V                  |

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



| CDMA BC0(1xRTT) |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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          | 1649.4            | -69.51      | -13           | -56.51            | -78.58            | -72.74             | 3.98                 | 9.36                  | H                  |
|                 | 2474.1            | -67.08      | -13           | -54.08            | -80.58            | -70.63             | 4.85                 | 10.55                 | H                  |
|                 | 3298.8            | -66.57      | -13           | -53.57            | -82.15            | -71.50             | 5.50                 | 12.58                 | H                  |
|                 | 1649.4            | -70.11      | -13           | -57.11            | -78.81            | -73.34             | 3.98                 | 9.36                  | V                  |
|                 | 2474.1            | -67.03      | -13           | -54.03            | -80.46            | -70.58             | 4.85                 | 10.55                 | V                  |
|                 | 3298.8            | -66.60      | -13           | -53.60            | -82.25            | -71.53             | 5.50                 | 12.58                 | V                  |
| Middle          | 1673.04           | -70.24      | -13           | -57.24            | -79.09            | -73.49             | 4.00                 | 9.40                  | H                  |
|                 | 2509.56           | -67.15      | -13           | -54.15            | -80.63            | -70.72             | 4.88                 | 10.60                 | H                  |
|                 | 3346.08           | -66.40      | -13           | -53.40            | -81.87            | -71.33             | 5.52                 | 12.60                 | H                  |
|                 | 1673.04           | -70.37      | -13           | -57.37            | -79.01            | -73.62             | 4.00                 | 9.40                  | V                  |
|                 | 2509.56           | -67.34      | -13           | -54.34            | -80.67            | -70.91             | 4.88                 | 10.60                 | V                  |
|                 | 3346.08           | -67.00      | -13           | -54.00            | -82.47            | -71.93             | 5.52                 | 12.60                 | V                  |
| Highest         | 1696.62           | -69.63      | -13           | -56.63            | -78.61            | -72.80             | 4.10                 | 9.42                  | H                  |
|                 | 2544.93           | -66.95      | -13           | -53.95            | -80.35            | -70.53             | 4.90                 | 10.63                 | H                  |
|                 | 3393.24           | -67.46      | -13           | -54.46            | -82.49            | -72.38             | 5.55                 | 12.62                 | H                  |
|                 | 1696.62           | -70.10      | -13           | -57.10            | -78.88            | -73.27             | 4.10                 | 9.42                  | V                  |
|                 | 2544.93           | -67.07      | -13           | -54.07            | -80.37            | -70.65             | 4.90                 | 10.63                 | V                  |
|                 | 3393.24           | -66.88      | -13           | -53.88            | -81.94            | -71.80             | 5.55                 | 12.62                 | V                  |

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

| CDMA BC1(1xRTT) |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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          | 3702.5            | -61.60       | -13           | -48.60            | -78.52            | -68.36             | 5.82                 | 12.58                 | H                  |
|                 | 5553.75           | -59.94       | -13           | -46.94            | -80.85            | -65.66             | 7.28                 | 13.00                 | H                  |
|                 | 7405              | -56.00       | -13           | -43.00            | -82.84            | -59.16             | 8.32                 | 11.48                 | H                  |
|                 | 3702.5            | -62.99       | -13           | -49.99            | -79.94            | -69.75             | 5.82                 | 12.58                 | V                  |
|                 | 5553.75           | -60.22       | -13           | -47.22            | -81.33            | -65.94             | 7.28                 | 13.00                 | V                  |
|                 | 7405              | -56.29       | -13           | -43.29            | -82.81            | -59.45             | 8.32                 | 11.48                 | V                  |
| Middle          | 3760              | -64.04       | -13           | -51.04            | -81.04            | -70.79             | 5.85                 | 12.60                 | H                  |
|                 | 5640              | -62.17       | -13           | -49.17            | -82.84            | -67.97             | 7.30                 | 13.10                 | H                  |
|                 | 7520              | -56.85       | -13           | -43.85            | -83.12            | -60.00             | 8.35                 | 11.50                 | H                  |
|                 | 3760              | -63.90       | -13           | -50.90            | -80.94            | -70.65             | 5.85                 | 12.60                 | V                  |
|                 | 5640              | -62.05       | -13           | -49.05            | -83.12            | -67.85             | 7.30                 | 13.10                 | V                  |
|                 | 7520              | -57.01       | -13           | -44.01            | -83.09            | -60.16             | 8.35                 | 11.50                 | V                  |
| Highest         | 3817.5            | -64.25       | -13           | -51.25            | -81.39            | -70.99             | 5.88                 | 12.62                 | H                  |
|                 | 5726.25           | -62.09       | -13           | -49.09            | -83.10            | -67.90             | 7.32                 | 13.13                 | H                  |
|                 | 7635              | -56.68       | -13           | -43.68            | -82.69            | -59.84             | 8.38                 | 11.54                 | H                  |
|                 | 3817.5            | -64.22       | -13           | -51.22            | -81.42            | -70.96             | 5.88                 | 12.62                 | V                  |
|                 | 5726.25           | -61.90       | -13           | -48.90            | -83.24            | -67.71             | 7.32                 | 13.13                 | V                  |
|                 | 7635              | -57.45       | -13           | -44.45            | -83.32            | -60.61             | 8.38                 | 11.54                 | V                  |

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



## Bottom Antenna:

| GSM850 (GSM) |                      |                |                  |                         |                         |                          |                            |                             |                       |
|--------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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               | -69.92         | -13              | -56.92                  | -78.99                  | -73.15                   | 3.98                       | 9.36                        | H                     |
|              | 2472.6               | -67.09         | -13              | -54.09                  | -80.59                  | -70.64                   | 4.85                       | 10.55                       | H                     |
|              | 3296.8               | -66.13         | -13              | -53.13                  | -81.71                  | -71.06                   | 5.50                       | 12.58                       | H                     |
|              | 1648.4               | -70.35         | -13              | -57.35                  | -79.05                  | -73.58                   | 3.98                       | 9.36                        | V                     |
|              | 2472.6               | -66.92         | -13              | -53.92                  | -80.35                  | -70.47                   | 4.85                       | 10.55                       | V                     |
|              | 3296.8               | -66.39         | -13              | -53.39                  | -82.04                  | -71.32                   | 5.50                       | 12.58                       | V                     |
| Middle       | 1672.8               | -69.79         | -13              | -56.79                  | -78.64                  | -73.04                   | 4.00                       | 9.40                        | H                     |
|              | 2509.2               | -67.04         | -13              | -54.04                  | -80.52                  | -70.61                   | 4.88                       | 10.60                       | H                     |
|              | 3345.6               | -66.55         | -13              | -53.55                  | -82.02                  | -71.48                   | 5.52                       | 12.60                       | H                     |
|              | 1672.8               | -70.27         | -13              | -57.27                  | -78.91                  | -73.52                   | 4.00                       | 9.40                        | V                     |
|              | 2509.2               | -66.47         | -13              | -53.47                  | -79.80                  | -70.04                   | 4.88                       | 10.60                       | V                     |
|              | 3345.6               | -66.49         | -13              | -53.49                  | -81.96                  | -71.42                   | 5.52                       | 12.60                       | V                     |
| Highest      | 1697.6               | -69.93         | -13              | -56.93                  | -78.91                  | -73.10                   | 4.10                       | 9.42                        | H                     |
|              | 2546.4               | -66.86         | -13              | -53.86                  | -80.26                  | -70.44                   | 4.90                       | 10.63                       | H                     |
|              | 3395.2               | -67.47         | -13              | -54.47                  | -82.50                  | -72.39                   | 5.55                       | 12.62                       | H                     |
|              | 1697.6               | -70.00         | -13              | -57.00                  | -78.78                  | -73.17                   | 4.10                       | 9.42                        | V                     |
|              | 2546.4               | -66.80         | -13              | -53.80                  | -80.10                  | -70.38                   | 4.90                       | 10.63                       | V                     |
|              | 3395.2               | -67.24         | -13              | -54.24                  | -82.30                  | -72.16                   | 5.55                       | 12.62                       | V                     |

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



| GSM850 (EDGE class 8) |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                | 1648.4            | -70.27      | -13           | -57.27            | -79.34            | -73.50             | 3.98                 | 9.36                  | H                  |
|                       | 2472.6            | -67.07      | -13           | -54.07            | -80.57            | -70.62             | 4.85                 | 10.55                 | H                  |
|                       | 3296.8            | -66.64      | -13           | -53.64            | -82.22            | -71.57             | 5.50                 | 12.58                 | H                  |
|                       | 1648.4            | -70.15      | -13           | -57.15            | -78.85            | -73.38             | 3.98                 | 9.36                  | V                  |
|                       | 2472.6            | -67.09      | -13           | -54.09            | -80.52            | -70.64             | 4.85                 | 10.55                 | V                  |
|                       | 3296.8            | -66.62      | -13           | -53.62            | -82.27            | -71.55             | 5.50                 | 12.58                 | V                  |
| Middle                | 1672.8            | -69.81      | -13           | -56.81            | -78.66            | -73.06             | 4.00                 | 9.40                  | H                  |
|                       | 2509.2            | -66.68      | -13           | -53.68            | -80.16            | -70.25             | 4.88                 | 10.60                 | H                  |
|                       | 3345.6            | -66.77      | -13           | -53.77            | -82.24            | -71.70             | 5.52                 | 12.60                 | H                  |
|                       | 1672.8            | -70.33      | -13           | -57.33            | -78.97            | -73.58             | 4.00                 | 9.40                  | V                  |
|                       | 2509.2            | -67.52      | -13           | -54.52            | -80.85            | -71.09             | 4.88                 | 10.60                 | V                  |
|                       | 3345.6            | -66.66      | -13           | -53.66            | -82.13            | -71.59             | 5.52                 | 12.60                 | V                  |
| Highest               | 1697.6            | -69.90      | -13           | -56.90            | -78.88            | -73.07             | 4.10                 | 9.42                  | H                  |
|                       | 2546.4            | -67.33      | -13           | -54.33            | -80.73            | -70.91             | 4.90                 | 10.63                 | H                  |
|                       | 3395.2            | -67.31      | -13           | -54.31            | -82.34            | -72.23             | 5.55                 | 12.62                 | H                  |
|                       | 1697.6            | -70.07      | -13           | -57.07            | -78.85            | -73.24             | 4.10                 | 9.42                  | V                  |
|                       | 2546.4            | -67.29      | -13           | -54.29            | -80.59            | -70.87             | 4.90                 | 10.63                 | V                  |
|                       | 3395.2            | -66.66      | -13           | -53.66            | -81.72            | -71.58             | 5.55                 | 12.62                 | V                  |

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

| GSM1900 (GSM) |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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        | 3700.4            | -64.39       | -13           | -51.39            | -81.31            | -71.15             | 5.82                 | 12.58                 | H                  |
|               | 5550.6            | -62.50       | -13           | -49.50            | -83.41            | -68.22             | 7.28                 | 13.00                 | H                  |
|               | 7400.8            | -56.46       | -13           | -43.46            | -83.30            | -59.62             | 8.32                 | 11.48                 | H                  |
|               | 3700.4            | -64.19       | -13           | -51.19            | -81.14            | -70.95             | 5.82                 | 12.58                 | V                  |
|               | 5550.6            | -62.47       | -13           | -49.47            | -83.58            | -68.19             | 7.28                 | 13.00                 | V                  |
|               | 7400.8            | -56.98       | -13           | -43.98            | -83.5             | -60.14             | 8.32                 | 11.48                 | V                  |
| Middle        | 3760              | -64.04       | -13           | -51.04            | -81.04            | -70.79             | 5.85                 | 12.60                 | H                  |
|               | 5640              | -61.90       | -13           | -48.90            | -82.57            | -67.70             | 7.30                 | 13.10                 | H                  |
|               | 7520              | -56.89       | -13           | -43.89            | -83.16            | -60.04             | 8.35                 | 11.50                 | H                  |
|               | 3760              | -64.38       | -13           | -51.38            | -81.42            | -71.13             | 5.85                 | 12.60                 | V                  |
|               | 5640              | -62.14       | -13           | -49.14            | -83.21            | -67.94             | 7.30                 | 13.10                 | V                  |
|               | 7520              | -57.51       | -13           | -44.51            | -83.59            | -60.66             | 8.35                 | 11.50                 | V                  |
| Highest       | 3819.6            | -64.24       | -13           | -51.24            | -81.37            | -70.98             | 5.88                 | 12.62                 | H                  |
|               | 5729.4            | -62.45       | -13           | -49.45            | -83.46            | -68.26             | 7.32                 | 13.13                 | H                  |
|               | 7639.2            | -57.28       | -13           | -44.28            | -83.30            | -60.44             | 8.38                 | 11.54                 | H                  |
|               | 3819.6            | -64.32       | -13           | -51.32            | -81.51            | -71.06             | 5.88                 | 12.62                 | V                  |
|               | 5729.4            | -62.13       | -13           | -49.13            | -83.47            | -67.94             | 7.32                 | 13.13                 | V                  |
|               | 7639.2            | -57.40       | -13           | -44.40            | -83.27            | -60.56             | 8.38                 | 11.54                 | V                  |

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



| GSM1900 (EDGE class 8) |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                 | 3700.4            | -64.22       | -13           | -51.22            | -81.14            | -70.98             | 5.82                 | 12.58                 | H                  |
|                        | 5550.6            | -62.32       | -13           | -49.32            | -83.23            | -68.04             | 7.28                 | 13.00                 | H                  |
|                        | 7400.8            | -56.82       | -13           | -43.82            | -83.66            | -59.98             | 8.32                 | 11.48                 | H                  |
|                        | 3700.4            | -64.07       | -13           | -51.07            | -81.02            | -70.83             | 5.82                 | 12.58                 | V                  |
|                        | 5550.6            | -62.51       | -13           | -49.51            | -83.62            | -68.23             | 7.28                 | 13.00                 | V                  |
|                        | 7400.8            | -56.90       | -13           | -43.90            | -83.42            | -60.06             | 8.32                 | 11.48                 | V                  |
| Middle                 | 3760              | -64.53       | -13           | -51.53            | -81.53            | -71.28             | 5.85                 | 12.60                 | H                  |
|                        | 5640              | -62.87       | -13           | -49.87            | -83.54            | -68.67             | 7.30                 | 13.10                 | H                  |
|                        | 7520              | -57.17       | -13           | -44.17            | -83.44            | -60.32             | 8.35                 | 11.50                 | H                  |
|                        | 3760              | -64.38       | -13           | -51.38            | -81.42            | -71.13             | 5.85                 | 12.60                 | V                  |
|                        | 5640              | -62.39       | -13           | -49.39            | -83.46            | -68.19             | 7.30                 | 13.10                 | V                  |
|                        | 7520              | -57.37       | -13           | -44.37            | -83.45            | -60.52             | 8.35                 | 11.50                 | V                  |
| Highest                | 3819.6            | -64.55       | -13           | -51.55            | -81.68            | -71.29             | 5.88                 | 12.62                 | H                  |
|                        | 5729.4            | -62.38       | -13           | -49.38            | -83.39            | -68.19             | 7.32                 | 13.13                 | H                  |
|                        | 7639.2            | -56.79       | -13           | -43.79            | -82.81            | -59.95             | 8.38                 | 11.54                 | H                  |
|                        | 3819.6            | -64.55       | -13           | -51.55            | -81.74            | -71.29             | 5.88                 | 12.62                 | V                  |
|                        | 5729.4            | -61.75       | -13           | -48.75            | -83.09            | -67.56             | 7.32                 | 13.13                 | V                  |
|                        | 7639.2            | -57.54       | -13           | -44.54            | -83.41            | -60.70             | 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) |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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            | -69.61      | -13           | -56.61            | -78.71            | -72.84             | 3.98                 | 9.36                  | H                  |
|                            | 2479.2            | -66.84      | -13           | -53.84            | -80.34            | -70.39             | 4.85                 | 10.55                 | H                  |
|                            | 3305.6            | -66.44      | -13           | -53.44            | -81.98            | -71.37             | 5.50                 | 12.58                 | H                  |
|                            | 1652.8            | -69.76      | -13           | -56.76            | -78.49            | -72.99             | 3.98                 | 9.36                  | V                  |
|                            | 2479.2            | -67.33      | -13           | -54.33            | -80.76            | -70.88             | 4.85                 | 10.55                 | V                  |
|                            | 3305.6            | -66.52      | -13           | -53.52            | -82.11            | -71.45             | 5.50                 | 12.58                 | V                  |
| Middle                     | 1672.8            | -70.20      | -13           | -57.20            | -79.05            | -73.45             | 4.00                 | 9.40                  | H                  |
|                            | 2509.2            | -67.07      | -13           | -54.07            | -80.55            | -70.64             | 4.88                 | 10.60                 | H                  |
|                            | 3345.6            | -66.56      | -13           | -53.56            | -82.03            | -71.49             | 5.52                 | 12.60                 | H                  |
|                            | 1672.8            | -69.93      | -13           | -56.93            | -78.57            | -73.18             | 4.00                 | 9.40                  | V                  |
|                            | 2509.2            | -67.39      | -13           | -54.39            | -80.72            | -70.96             | 4.88                 | 10.60                 | V                  |
|                            | 3345.6            | -66.80      | -13           | -53.80            | -82.27            | -71.73             | 5.52                 | 12.60                 | V                  |
| Highest                    | 1693.2            | -69.63      | -13           | -56.63            | -78.61            | -72.80             | 4.10                 | 9.42                  | H                  |
|                            | 2539.8            | -66.68      | -13           | -53.68            | -80.07            | -70.26             | 4.90                 | 10.63                 | H                  |
|                            | 3386.4            | -67.41      | -13           | -54.41            | -82.58            | -72.33             | 5.55                 | 12.62                 | H                  |
|                            | 1693.2            | -69.89      | -13           | -56.89            | -78.67            | -73.06             | 4.10                 | 9.42                  | V                  |
|                            | 2539.8            | -67.45      | -13           | -54.45            | -80.74            | -71.03             | 4.90                 | 10.63                 | V                  |
|                            | 3386.4            | -66.83      | -13           | -53.83            | -82.03            | -71.75             | 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) |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                      | 3700.4            | -64.20       | -13           | -51.20            | -81.12            | -70.96             | 5.82                 | 12.58                 | H                  |
|                             | 5550.6            | -62.24       | -13           | -49.24            | -83.15            | -67.96             | 7.28                 | 13.00                 | H                  |
|                             | 7400.8            | -56.91       | -13           | -43.91            | -83.75            | -60.07             | 8.32                 | 11.48                 | H                  |
|                             | 3700.4            | -64.16       | -13           | -51.16            | -81.11            | -70.92             | 5.82                 | 12.58                 | V                  |
|                             | 5550.6            | -62.02       | -13           | -49.02            | -83.13            | -67.74             | 7.28                 | 13.00                 | V                  |
|                             | 7400.8            | -56.72       | -13           | -43.72            | -83.24            | -59.88             | 8.32                 | 11.48                 | V                  |
| Middle                      | 3760              | -64.42       | -13           | -51.42            | -81.42            | -71.17             | 5.85                 | 12.60                 | H                  |
|                             | 5640              | -62.47       | -13           | -49.47            | -83.14            | -68.27             | 7.30                 | 13.10                 | H                  |
|                             | 7520              | -56.67       | -13           | -43.67            | -82.94            | -59.82             | 8.35                 | 11.50                 | H                  |
|                             | 3760              | -64.01       | -13           | -51.01            | -81.05            | -70.76             | 5.85                 | 12.60                 | V                  |
|                             | 5640              | -62.36       | -13           | -49.36            | -83.43            | -68.16             | 7.30                 | 13.10                 | V                  |
|                             | 7520              | -57.24       | -13           | -44.24            | -83.32            | -60.39             | 8.35                 | 11.50                 | V                  |
| Highest                     | 3819.6            | -64.67       | -13           | -51.67            | -81.80            | -71.41             | 5.88                 | 12.62                 | H                  |
|                             | 5729.4            | -61.92       | -13           | -48.92            | -82.93            | -67.73             | 7.32                 | 13.13                 | H                  |
|                             | 7639.2            | -57.42       | -13           | -44.42            | -83.44            | -60.58             | 8.38                 | 11.54                 | H                  |
|                             | 3819.6            | -63.03       | -13           | -50.03            | -80.22            | -69.77             | 5.88                 | 12.62                 | V                  |
|                             | 5729.4            | -61.71       | -13           | -48.71            | -83.05            | -67.52             | 7.32                 | 13.13                 | V                  |
|                             | 7639.2            | -57.43       | -13           | -44.43            | -83.3             | -60.59             | 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) |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                      | 3424.8            | -63.11       | -13           | -50.11            | -78.43            | -69.99             | 5.60                 | 12.48                 | H                  |
|                             | 5137.2            | -60.76       | -13           | -47.76            | -80.85            | -66.44             | 7.10                 | 12.78                 | H                  |
|                             | 6849.6            | -59.10       | -13           | -46.10            | -83.99            | -62.49             | 8.38                 | 11.77                 | H                  |
|                             | 3424.8            | -65.00       | -13           | -52.00            | -80.36            | -71.88             | 5.60                 | 12.48                 | V                  |
|                             | 5137.2            | -57.26       | -13           | -44.26            | -77.78            | -62.94             | 7.10                 | 12.78                 | V                  |
|                             | 6849.6            | -58.60       | -13           | -45.60            | -83.72            | -61.99             | 8.38                 | 11.77                 | V                  |
| Middle                      | 3465.2            | -61.18       | -13           | -48.18            | -76.80            | -68.03             | 5.65                 | 12.50                 | H                  |
|                             | 5197.8            | -60.15       | -13           | -47.15            | -80.32            | -65.82             | 7.13                 | 12.80                 | H                  |
|                             | 6930.4            | -58.88       | -13           | -45.88            | -84.17            | -62.28             | 8.40                 | 11.80                 | H                  |
|                             | 3465.2            | -64.87       | -13           | -51.87            | -80.52            | -71.72             | 5.65                 | 12.50                 | V                  |
|                             | 5197.8            | -57.97       | -13           | -44.97            | -78.59            | -63.64             | 7.13                 | 12.80                 | V                  |
|                             | 6930.4            | -58.80       | -13           | -45.80            | -84.2             | -62.20             | 8.40                 | 11.80                 | V                  |
| Highest                     | 3505.2            | -61.89       | -13           | -48.89            | -77.80            | -68.73             | 5.68                 | 12.52                 | H                  |
|                             | 5257.8            | -61.70       | -13           | -48.70            | -81.34            | -67.37             | 7.15                 | 12.82                 | H                  |
|                             | 7010.4            | -58.24       | -13           | -45.24            | -83.89            | -61.67             | 8.42                 | 11.85                 | H                  |
|                             | 3505.2            | -65.23       | -13           | -52.23            | -81.17            | -72.07             | 5.68                 | 12.52                 | V                  |
|                             | 5257.8            | -61.05       | -13           | -48.05            | -80.7             | -66.72             | 7.15                 | 12.82                 | V                  |
|                             | 7010.4            | -58.38       | -13           | -45.38            | -84.13            | -61.81             | 8.42                 | 11.85                 | V                  |

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



| CDMA BC0(1xRTT) |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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          | 1649.4            | -69.89      | -13           | -56.89            | -78.96            | -73.12             | 3.98                 | 9.36                  | H                  |
|                 | 2474.1            | -67.01      | -13           | -54.01            | -80.51            | -70.56             | 4.85                 | 10.55                 | H                  |
|                 | 3298.8            | -66.60      | -13           | -53.60            | -82.18            | -71.53             | 5.50                 | 12.58                 | H                  |
|                 | 1649.4            | -70.33      | -13           | -57.33            | -79.03            | -73.56             | 3.98                 | 9.36                  | V                  |
|                 | 2474.1            | -66.83      | -13           | -53.83            | -80.26            | -70.38             | 4.85                 | 10.55                 | V                  |
|                 | 3298.8            | -66.49      | -13           | -53.49            | -82.14            | -71.42             | 5.50                 | 12.58                 | V                  |
| Middle          | 1673.04           | -70.22      | -13           | -57.22            | -79.07            | -73.47             | 4.00                 | 9.40                  | H                  |
|                 | 2509.56           | -66.82      | -13           | -53.82            | -80.30            | -70.39             | 4.88                 | 10.60                 | H                  |
|                 | 3346.08           | -67.13      | -13           | -54.13            | -82.60            | -72.06             | 5.52                 | 12.60                 | H                  |
|                 | 1673.04           | -70.30      | -13           | -57.30            | -78.94            | -73.55             | 4.00                 | 9.40                  | V                  |
|                 | 2509.56           | -67.57      | -13           | -54.57            | -80.90            | -71.14             | 4.88                 | 10.60                 | V                  |
|                 | 3346.08           | -66.80      | -13           | -53.80            | -82.27            | -71.73             | 5.52                 | 12.60                 | V                  |
| Highest         | 1696.62           | -69.71      | -13           | -56.71            | -78.69            | -72.88             | 4.10                 | 9.42                  | H                  |
|                 | 2544.93           | -67.00      | -13           | -54.00            | -80.40            | -70.58             | 4.90                 | 10.63                 | H                  |
|                 | 3393.24           | -67.12      | -13           | -54.12            | -82.15            | -72.04             | 5.55                 | 12.62                 | H                  |
|                 | 1696.62           | -70.13      | -13           | -57.13            | -78.91            | -73.30             | 4.10                 | 9.42                  | V                  |
|                 | 2544.93           | -67.14      | -13           | -54.14            | -80.44            | -70.72             | 4.90                 | 10.63                 | V                  |
|                 | 3393.24           | -67.24      | -13           | -54.24            | -82.30            | -72.16             | 5.55                 | 12.62                 | V                  |

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

| CDMA BC1(1xRTT) |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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          | 3702.5            | -64.11       | -13           | -51.11            | -81.03            | -70.87             | 5.82                 | 12.58                 | H                  |
|                 | 5553.75           | -62.74       | -13           | -49.74            | -83.65            | -68.46             | 7.28                 | 13.00                 | H                  |
|                 | 7405              | -56.63       | -13           | -43.63            | -83.47            | -59.79             | 8.32                 | 11.48                 | H                  |
|                 | 3702.5            | -64.44       | -13           | -51.44            | -81.39            | -71.20             | 5.82                 | 12.58                 | V                  |
|                 | 5553.75           | -62.38       | -13           | -49.38            | -83.49            | -68.10             | 7.28                 | 13.00                 | V                  |
|                 | 7405              | -56.99       | -13           | -43.99            | -83.51            | -60.15             | 8.32                 | 11.48                 | V                  |
| Middle          | 3760              | -63.99       | -13           | -50.99            | -80.99            | -70.74             | 5.85                 | 12.60                 | H                  |
|                 | 5640              | -62.57       | -13           | -49.57            | -83.24            | -68.37             | 7.30                 | 13.10                 | H                  |
|                 | 7520              | -56.96       | -13           | -43.96            | -83.23            | -60.11             | 8.35                 | 11.50                 | H                  |
|                 | 3760              | -63.51       | -13           | -50.51            | -80.55            | -70.26             | 5.85                 | 12.60                 | V                  |
|                 | 5640              | -62.33       | -13           | -49.33            | -83.4             | -68.13             | 7.30                 | 13.10                 | V                  |
|                 | 7520              | -57.31       | -13           | -44.31            | -83.39            | -60.46             | 8.35                 | 11.50                 | V                  |
| Highest         | 3760              | -64.41       | -13           | -51.41            | -81.41            | -71.15             | 5.88                 | 12.62                 | H                  |
|                 | 5640              | -62.67       | -13           | -49.67            | -83.34            | -68.48             | 7.32                 | 13.13                 | H                  |
|                 | 7520              | -57.16       | -13           | -44.16            | -83.43            | -60.32             | 8.38                 | 11.54                 | H                  |
|                 | 3760              | -63.92       | -13           | -50.92            | -80.96            | -70.66             | 5.88                 | 12.62                 | V                  |
|                 | 5640              | -62.31       | -13           | -49.31            | -83.38            | -68.12             | 7.32                 | 13.13                 | V                  |
|                 | 7520              | -57.02       | -13           | -44.02            | -83.1             | -60.18             | 8.38                 | 11.54                 | V                  |

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