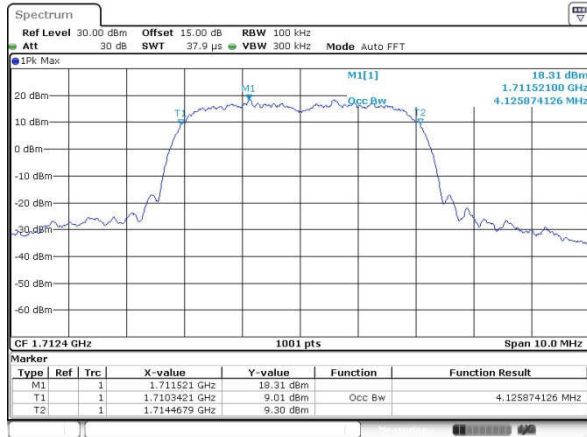
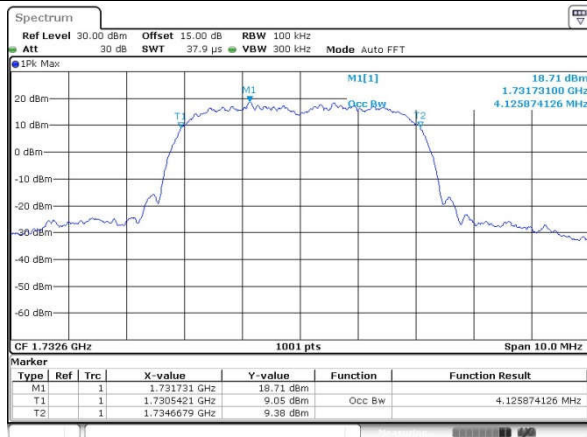


## WCDMA Band IV (RMC 12.2Kbps)



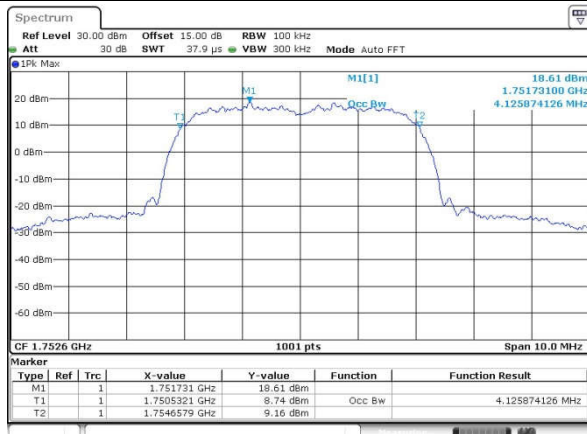
Date: 26.OCT.2016 17:01:42

## Middle Channel

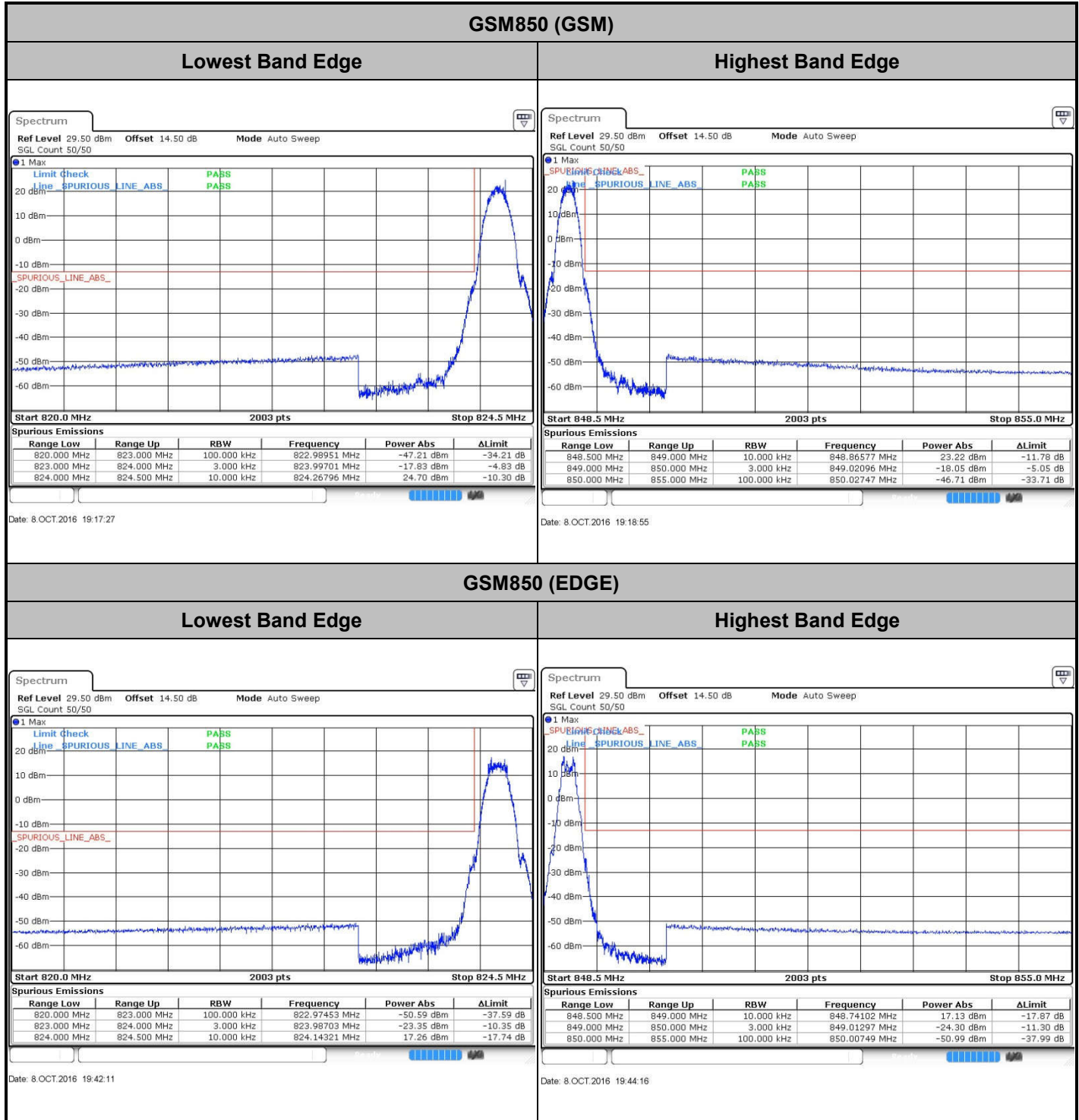


Date: 26.OCT.2016 17:02:20

## Highest Channel



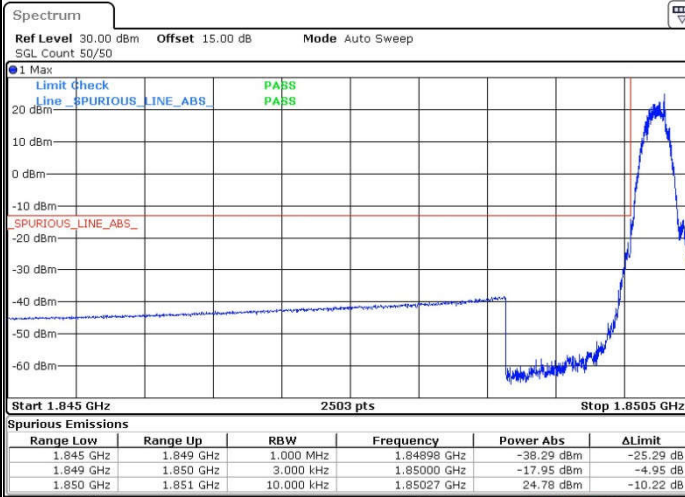
Date: 26.OCT.2016 17:02:58

**Conducted Band Edge**



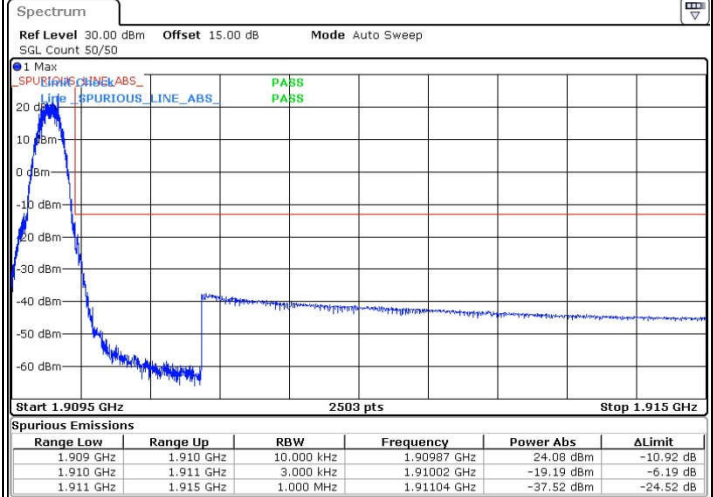
## GSM1900 (GSM)

## Lowest Band Edge



Date: 8.OCT.2016 20:34:34

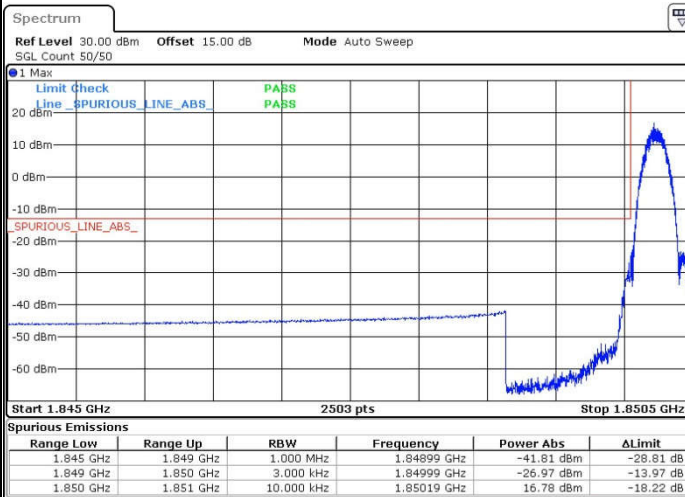
## Highest Band Edge



Date: 8.OCT.2016 20:36:01

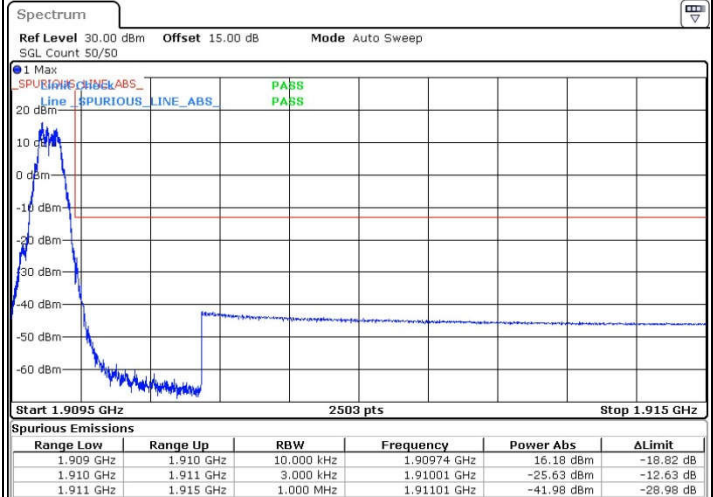
## GSM1900 (EDGE)

## Lowest Band Edge



Date: 8.OCT.2016 20:09:36

## Highest Band Edge

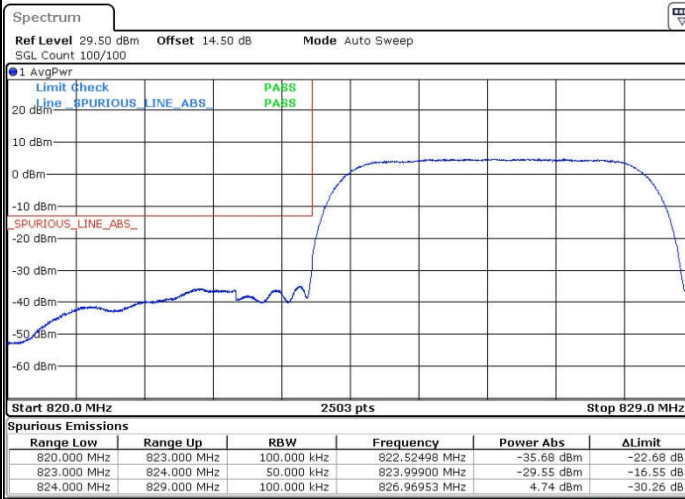


Date: 8.OCT.2016 20:17:45



## WCDMA Band V (RMC 12.2Kbps)

## Lowest Band Edge



## Highest Band Edge

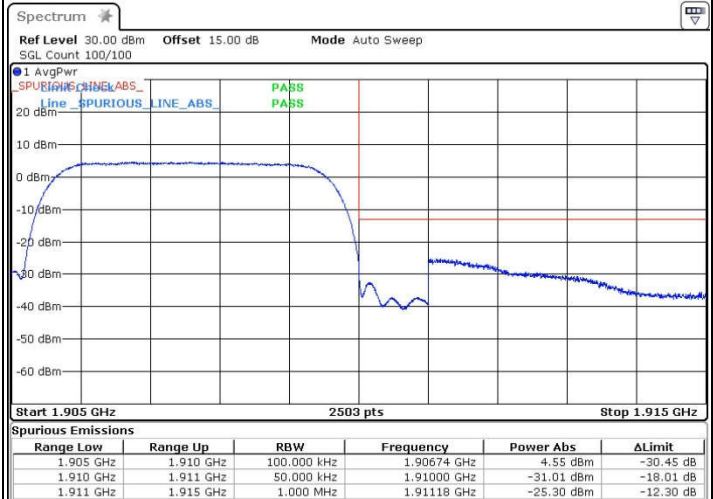


## WCDMA Band II (RMC 12.2Kbps)

## Lowest Band Edge



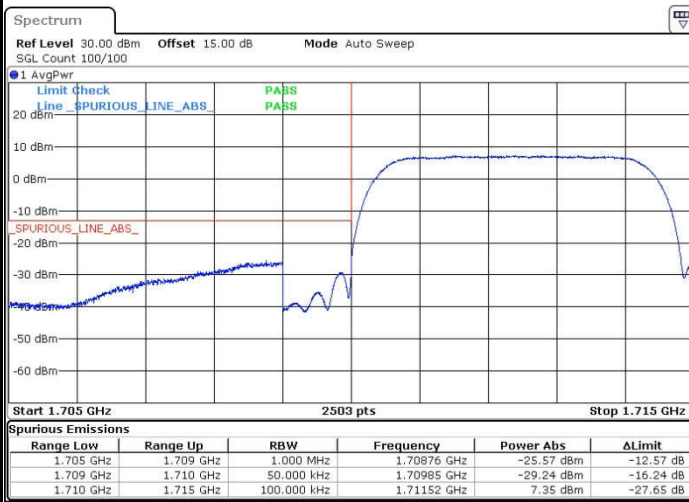
## Highest Band Edge





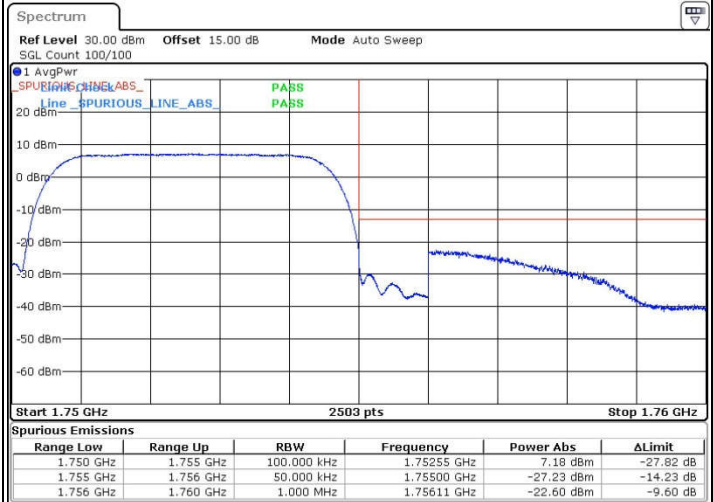
## WCDMA Band IV (RMC 12.2Kbps)

## Lowest Band Edge



Date: 26.OCT.2016 17:05:54

## Highest Band Edge



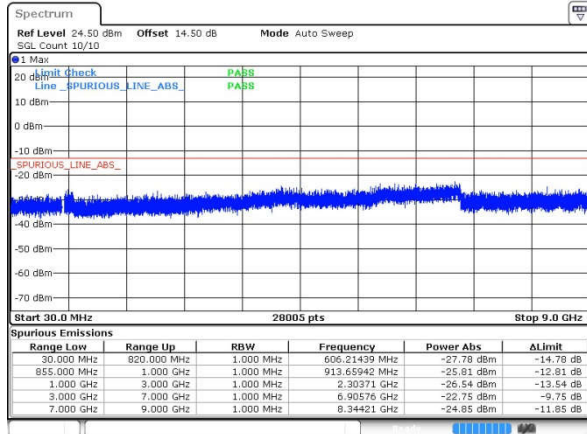
Date: 26.OCT.2016 17:08:44



## Conducted Spurious Emission

### GSM850 (GSM)

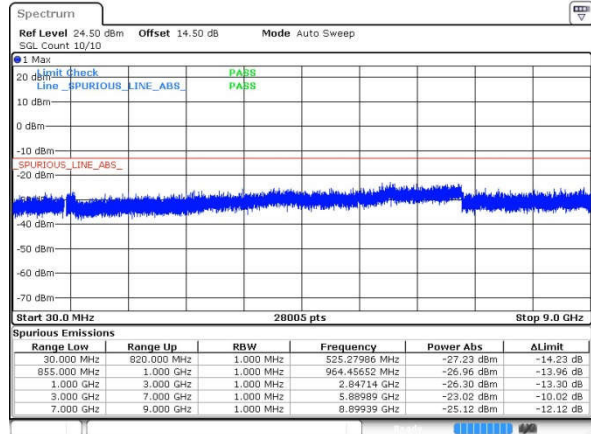
#### Lowest Channel



Date: 8 OCT 2016 19:20:32

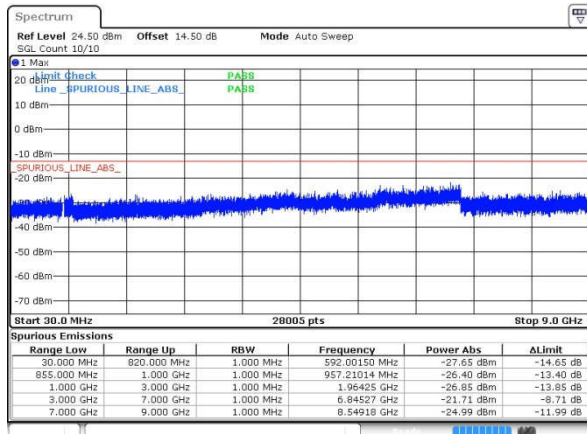
### GSM850 (EDGE)

#### Lowest Channel



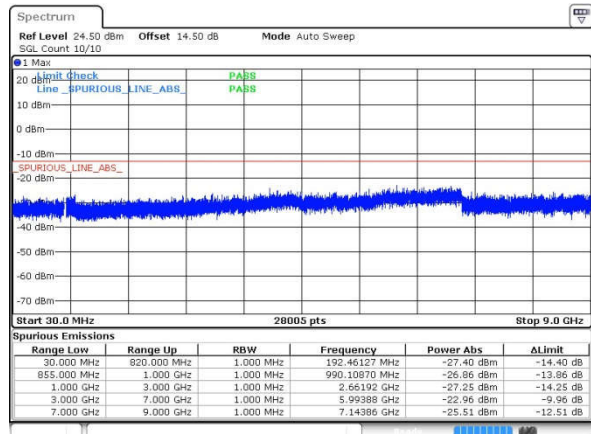
Date: 8 OCT 2016 19:45:37

### Middle Channel



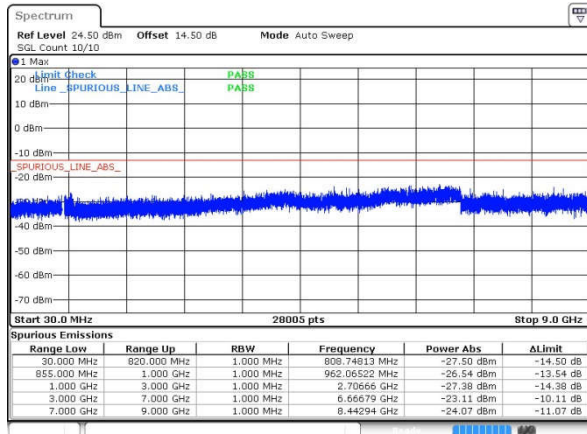
Date: 8 OCT 2016 19:21:48

### Middle Channel



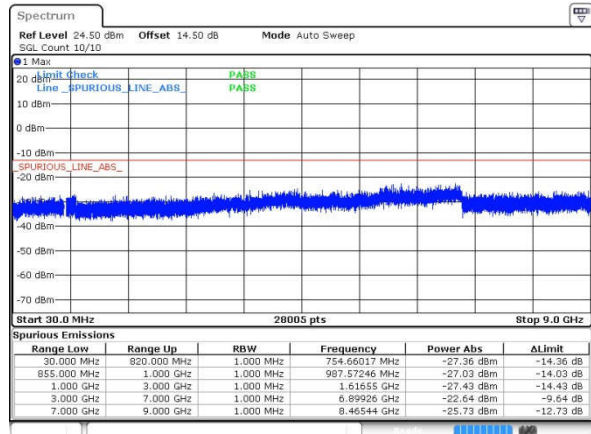
Date: 8 OCT 2016 19:47:00

### Highest Channel



Date: 8 OCT 2016 19:23:03

### Highest Channel

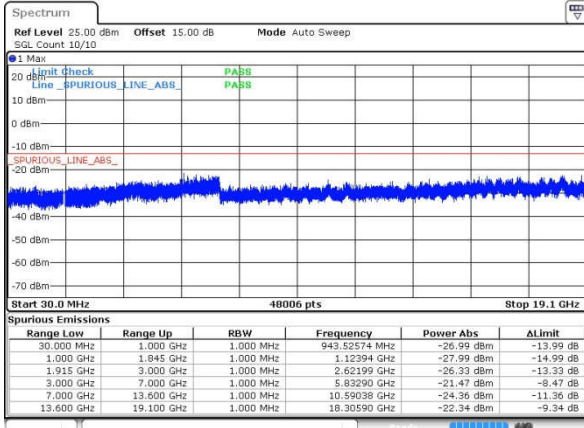


Date: 8 OCT 2016 19:48:22



## GSM1900 (GSM)

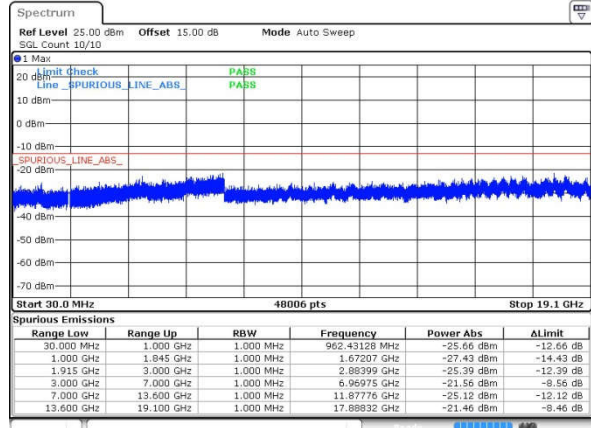
## Lowest Channel



Date: 8 OCT 2016 20:37:31

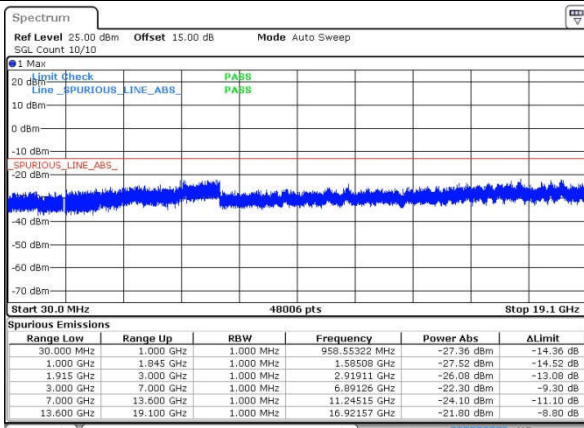
## GSM1900 (EDGE)

## Lowest Channel



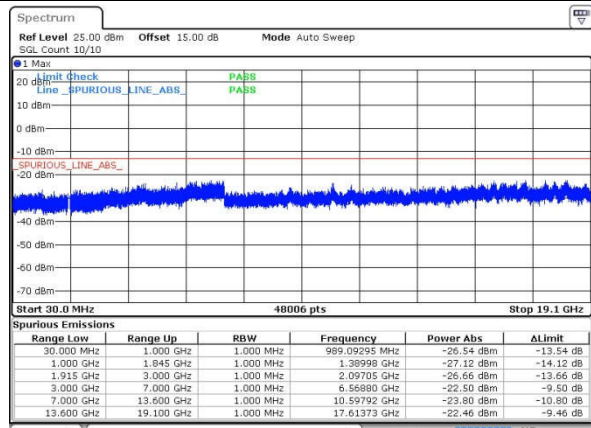
Date: 8 OCT 2016 20:19:41

## Middle Channel



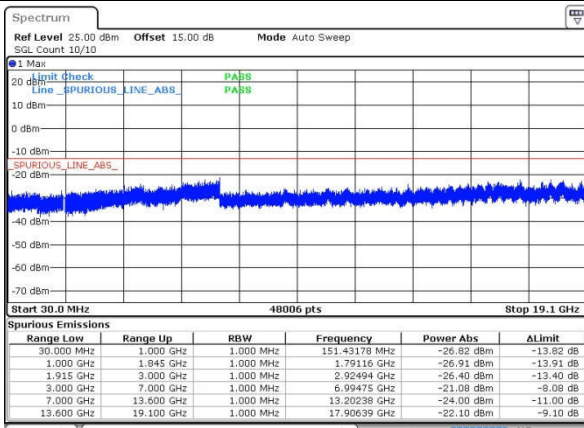
Date: 8 OCT 2016 20:38:47

## Middle Channel



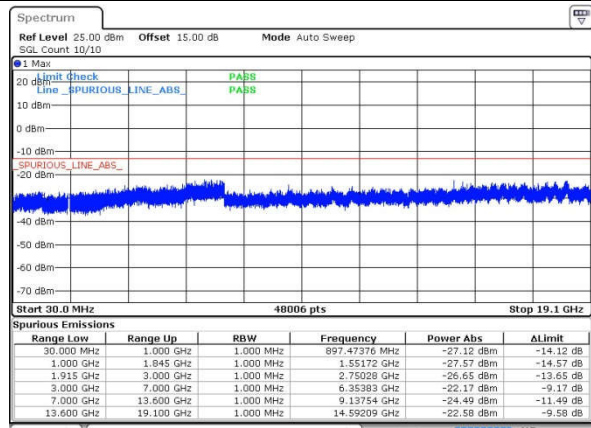
Date: 8 OCT 2016 20:21:03

## Highest Channel



Date: 8 OCT 2016 20:40:02

## Highest Channel

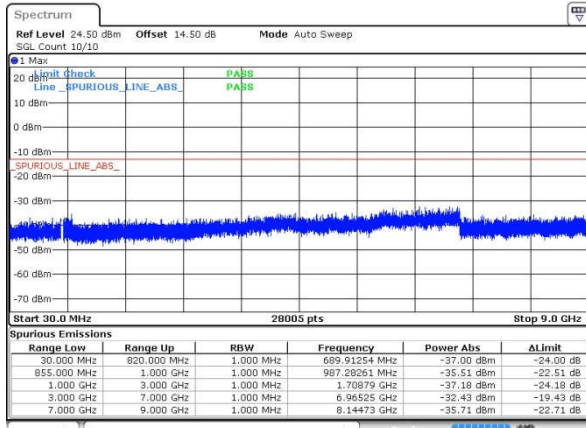


Date: 8 OCT 2016 20:22:54



## WCDMA Band V (RMC 12.2Kbps)

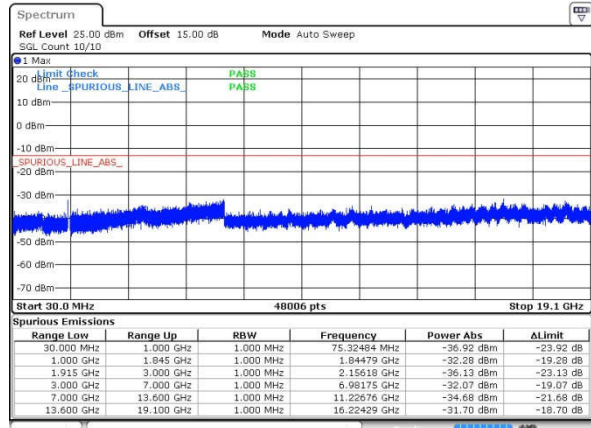
## Lowest Channel



Date: 8.OCT.2016 21:04:33

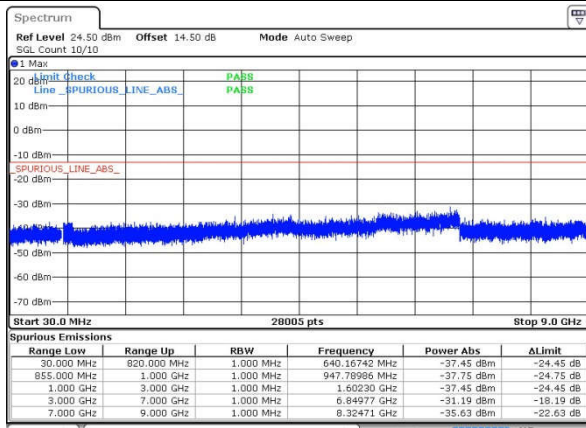
## WCDMA Band II (RMC 12.2Kbps)

## Lowest Channel



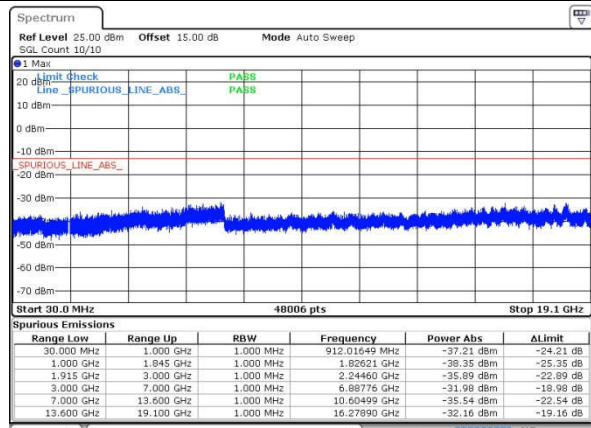
Date: 8.OCT.2016 21:47:10

## Middle Channel



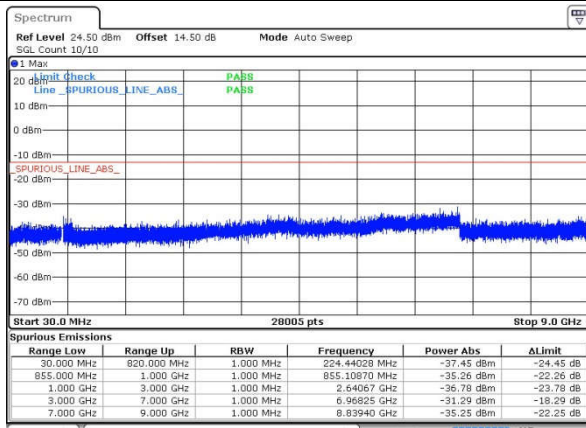
Date: 8.OCT.2016 21:05:49

## Middle Channel



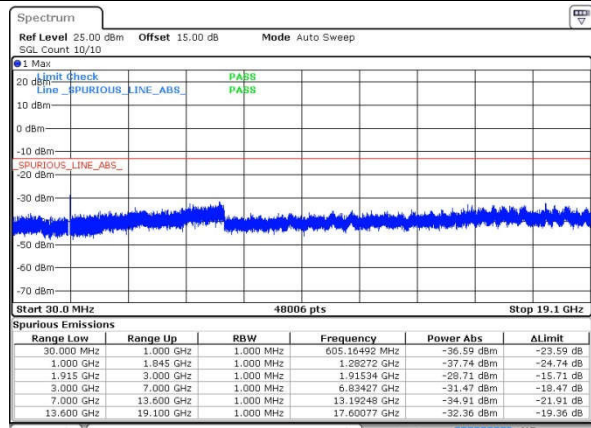
Date: 8.OCT.2016 21:48:26

## Highest Channel



Date: 8.OCT.2016 21:07:04

## Highest Channel

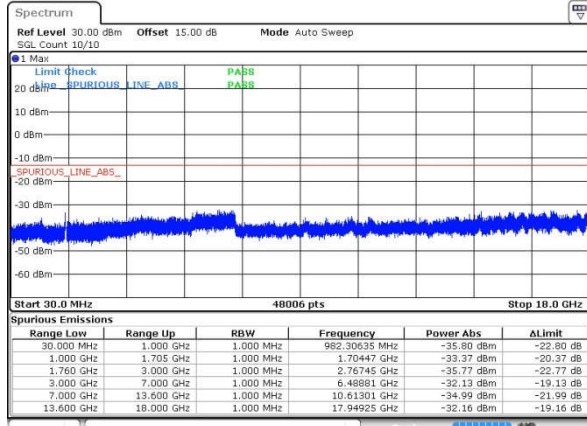


Date: 8.OCT.2016 21:48:42



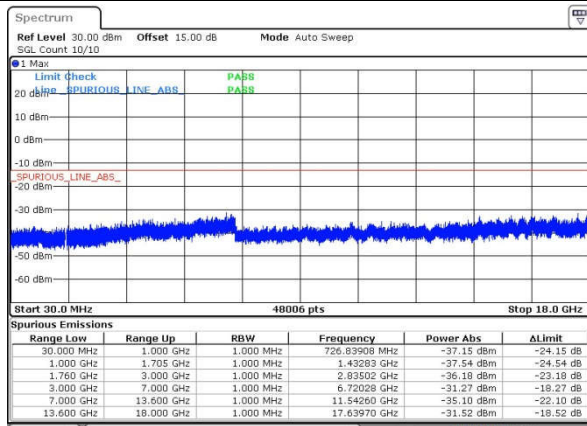
## WCDMA Band IV (RMC 12.2Kbps)

### Lowest Channel



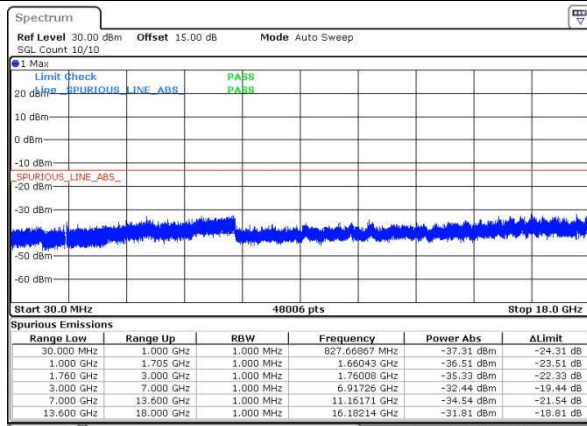
Date: 26 OCT.2016 17:10:40

### Middle Channel



Date: 26 OCT.2016 17:12:30

### Highest Channel



Date: 26 OCT.2016 17:14:39

**Frequency Stability**

| Test Conditions  | Middle Channel    | GSM850<br>(GSM) | GSM850<br>(EDGE) | Limit<br>2.5ppm |
|------------------|-------------------|-----------------|------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm) |                  | Result          |
| 50               | Normal Voltage    | 0.0012          | 0.0060           | PASS            |
| 40               | Normal Voltage    | 0.0060          | 0.0048           |                 |
| 30               | Normal Voltage    | 0.0012          | 0.0024           |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000          | 0.0000           |                 |
| 10               | Normal Voltage    | 0.0048          | 0.0048           |                 |
| 0                | Normal Voltage    | 0.0120          | 0.0084           |                 |
| -10              | Normal Voltage    | 0.0024          | 0.0036           |                 |
| -20              | Normal Voltage    | 0.0012          | 0.0024           |                 |
| -30              | Normal Voltage    | 0.0239          | 0.0048           |                 |
| 20               | Maximum Voltage   | 0.0108          | 0.0514           |                 |
| 20               | Normal Voltage    | 0.0155          | 0.0108           |                 |
| 20               | Battery End Point | 0.0203          | 0.0024           |                 |

**Note:** Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V

| Test Conditions  | Middle Channel    | GSM1900<br>(GSM) | GSM1900<br>(EDGE) | Limit<br>Note 2. |
|------------------|-------------------|------------------|-------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)  |                   | Result           |
| 50               | Normal Voltage    | 0.0053           | 0.0011            | PASS             |
| 40               | Normal Voltage    | 0.0011           | 0.0016            |                  |
| 30               | Normal Voltage    | 0.0021           | 0.0043            |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000           | 0.0000            |                  |
| 10               | Normal Voltage    | 0.0064           | 0.0090            |                  |
| 0                | Normal Voltage    | 0.0053           | 0.0064            |                  |
| -10              | Normal Voltage    | 0.0170           | 0.0165            |                  |
| -20              | Normal Voltage    | 0.0069           | 0.0032            |                  |
| -30              | Normal Voltage    | 0.0234           | 0.0069            |                  |
| 20               | Maximum Voltage   | 0.0016           | 0.0053            |                  |
| 20               | Normal Voltage    | 0.0149           | 0.0085            |                  |
| 20               | Battery End Point | 0.0027           | 0.0043            |                  |

**Note:**

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 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    | 0.0012                         | PASS            |
| 40               | Normal Voltage    | 0.0048                         |                 |
| 30               | Normal Voltage    | 0.0036                         |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                 |
| 10               | Normal Voltage    | 0.0084                         |                 |
| 0                | Normal Voltage    | 0.0120                         |                 |
| -10              | Normal Voltage    | 0.0167                         |                 |
| -20              | Normal Voltage    | 0.0036                         |                 |
| -30              | Normal Voltage    | 0.0048                         |                 |
| 20               | Maximum Voltage   | 0.0191                         |                 |
| 20               | Normal Voltage    | 0.0012                         |                 |
| 20               | Battery End Point | 0.0167                         |                 |

**Note:** Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 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    | 0.0021                          | PASS             |
| 40               | Normal Voltage    | 0.0016                          |                  |
| 30               | Normal Voltage    | 0.0005                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0032                          |                  |
| 0                | Normal Voltage    | 0.0011                          |                  |
| -10              | Normal Voltage    | 0.0021                          |                  |
| -20              | Normal Voltage    | 0.0059                          |                  |
| -30              | Normal Voltage    | 0.0069                          |                  |
| 20               | Maximum Voltage   | 0.0027                          |                  |
| 20               | Normal Voltage    | 0.0032                          |                  |
| 20               | Battery End Point | 0.0011                          |                  |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions  | Middle Channel    | WCDMA Band IV<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Result           |
| 50               | Normal Voltage    | 0.0098                          | PASS             |
| 40               | Normal Voltage    | 0.0075                          |                  |
| 30               | Normal Voltage    | 0.0017                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0087                          |                  |
| 0                | Normal Voltage    | 0.0058                          |                  |
| -10              | Normal Voltage    | 0.0035                          |                  |
| -20              | Normal Voltage    | 0.0006                          |                  |
| -30              | Normal Voltage    | 0.0092                          |                  |
| 20               | Maximum Voltage   | 0.0046                          |                  |
| 20               | Normal Voltage    | 0.0052                          |                  |
| 20               | Battery End Point | 0.0040                          |                  |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35V
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

| 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) |
| Middle       | 1672.00              | -37.24         | -13              | -24.24                  | -38.53                  | -39.10                   | 1.19                       | 5.20                        | H                     |
|              | 2508.00              | -24.60         | -13              | -11.60                  | -31.05                  | -26.82                   | 1.53                       | 5.90                        | H                     |
|              | 3348.00              | -62.30         | -13              | -49.30                  | -66.25                  | -65.09                   | 1.76                       | 6.70                        | H                     |
|              | 4182.00              | -58.35         | -13              | -45.35                  | -62.98                  | -61.50                   | 1.90                       | 7.20                        | H                     |
|              | 5016.00              | -67.72         | -13              | -54.72                  | -73.95                  | -72.30                   | 2.17                       | 8.90                        | H                     |
|              | 5856.00              | -31.80         | -13              | -18.80                  | -46.87                  | -37.04                   | 2.41                       | 9.80                        | H                     |
|              | 6690.00              | -57.35         | -13              | -44.35                  | -75.00                  | -63.09                   | 2.64                       | 10.53                       | H                     |
|              | 7524.00              | -47.41         | -13              | -34.41                  | -67.69                  | -53.84                   | 2.88                       | 11.46                       | H                     |
|              | 1672.00              | -43.41         | -13              | -30.41                  | -43.83                  | -45.27                   | 1.19                       | 5.20                        | V                     |
|              | 2508.00              | -26.24         | -13              | -13.24                  | -32.27                  | -28.46                   | 1.53                       | 5.90                        | V                     |
|              | 3348.00              | -68.35         | -13              | -55.35                  | -71.67                  | -71.14                   | 1.76                       | 6.70                        | V                     |
|              | 4182.00              | -55.51         | -13              | -42.51                  | -61.62                  | -58.66                   | 1.90                       | 7.20                        | V                     |
|              | 5016.00              | -65.12         | -13              | -52.12                  | -73.67                  | -69.70                   | 2.17                       | 8.90                        | V                     |
|              | 5856.00              | -34.71         | -13              | -21.71                  | -50.06                  | -39.95                   | 2.41                       | 9.80                        | V                     |
|              | 6690.00              | -57.76         | -13              | -44.76                  | -75.13                  | -63.50                   | 2.64                       | 10.53                       | V                     |
|              | 7530.00              | -45.21         | -13              | -32.21                  | -65.82                  | -51.65                   | 2.88                       | 11.46                       | V                     |

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



| GSM850 (EDGE class 8) |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| Middle                | 1672.00              | -55.12         | -13              | -42.12                  | -54.14                  | -56.98                   | 1.19                       | 5.20                        | H                     |
|                       | 2508.00              | -39.83         | -13              | -26.83                  | -46.14                  | -42.05                   | 1.53                       | 5.90                        | H                     |
|                       | 3345.00              | -66.98         | -13              | -53.98                  | -70.93                  | -69.77                   | 1.76                       | 6.70                        | H                     |
|                       | 4182.00              | -60.81         | -13              | -47.81                  | -65.44                  | -63.96                   | 1.90                       | 7.20                        | H                     |
|                       | 5019.00              | -66.62         | -13              | -53.62                  | -72.85                  | -71.20                   | 2.17                       | 8.90                        | H                     |
|                       | 5856.00              | -61.62         | -13              | -48.62                  | -74.28                  | -66.86                   | 2.41                       | 9.80                        | H                     |
|                       | 1672.00              | -56.98         | -13              | -43.98                  | -54.94                  | -58.84                   | 1.19                       | 5.20                        | V                     |
|                       | 2508.00              | -41.38         | -13              | -28.38                  | -46.59                  | -43.60                   | 1.53                       | 5.90                        | V                     |
|                       | 3345.00              | -68.02         | -13              | -55.02                  | -71.34                  | -70.81                   | 1.76                       | 6.70                        | V                     |
|                       | 4182.00              | -66.34         | -13              | -53.34                  | -72.45                  | -69.49                   | 1.90                       | 7.20                        | V                     |
|                       | 5019.00              | -63.61         | -13              | -50.61                  | -72.16                  | -68.19                   | 2.17                       | 8.90                        | V                     |
|                       | 5853.00              | -48.35         | -13              | -35.35                  | -63.2                   | -53.59                   | 2.41                       | 9.80                        | 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) |
| Middle        | 3762              | -70.34       | -13           | -57.34            | -73.85            | -75.33             | 1.88                 | 6.87                  | H                  |
|               | 5640              | -59.22       | -13           | -46.22            | -67.41            | -66.52             | 2.38                 | 9.68                  | H                  |
|               | 7520              | -63.27       | -13           | -50.27            | -75.30            | -72.34             | 2.74                 | 11.81                 | H                  |
|               | 3762              | -69.63       | -13           | -56.63            | -73.42            | -74.62             | 1.88                 | 6.87                  | V                  |
|               | 5640              | -57.60       | -13           | -44.60            | -66.17            | -64.90             | 2.38                 | 9.68                  | V                  |
|               | 7520              | -64.74       | -13           | -51.74            | -75.45            | -73.81             | 2.74                 | 11.81                 | 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) |
| Middle                 | 3760              | -70.48       | -13           | -57.48            | -73.99            | -75.47             | 1.88                 | 6.87                  | H                  |
|                        | 5640              | -58.16       | -13           | -45.16            | -66.35            | -65.46             | 2.38                 | 9.68                  | H                  |
|                        | 7520              | -63.57       | -13           | -50.57            | -75.60            | -72.64             | 2.74                 | 11.81                 | H                  |
|                        | 3762              | -70.37       | -13           | -57.37            | -74.16            | -75.36             | 1.88                 | 6.87                  | V                  |
|                        | 5640              | -66.10       | -13           | -53.10            | -74.67            | -73.40             | 2.38                 | 9.68                  | V                  |
|                        | 7520              | -65.29       | -13           | -52.29            | -76               | -74.36             | 2.74                 | 11.81                 | V                  |

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



| WCDMA Band V(RMC 12.2Kbps) |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| Middle                     | 1672                 | -63.74         | -13              | -50.74                  | -62.37                  | -65.60                   | 1.19                       | 5.20                        | H                     |
|                            | 2509                 | -67.44         | -13              | -54.44                  | -70.43                  | -69.66                   | 1.53                       | 5.90                        | H                     |
|                            | 3345                 | -68.88         | -13              | -55.88                  | -72.83                  | -71.67                   | 1.76                       | 6.70                        | H                     |
|                            | 1672                 | -68.52         | -13              | -55.52                  | -66.48                  | -70.38                   | 1.19                       | 5.20                        | V                     |
|                            | 2509                 | -69.92         | -13              | -56.92                  | -71.9                   | -72.14                   | 1.53                       | 5.90                        | V                     |
|                            | 3344                 | -69.78         | -13              | -56.78                  | -73.1                   | -72.57                   | 1.76                       | 6.70                        | V                     |

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

| WCDMA Band II(RMC 12.2Kbps) |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                      | 3760                 | -69.75          | -13              | -56.75                  | -73.26                  | -74.74                   | 1.88                       | 6.87                        | H                     |
|                             | 5640                 | -62.79          | -13              | -49.79                  | -70.98                  | -70.09                   | 2.38                       | 9.68                        | H                     |
|                             | 7520                 | -63.35          | -13              | -50.35                  | -75.38                  | -72.42                   | 2.74                       | 11.81                       | H                     |
|                             | 3762                 | -69.72          | -13              | -56.72                  | -73.51                  | -74.71                   | 1.88                       | 6.87                        | V                     |
|                             | 5640                 | -56.35          | -13              | -43.35                  | -64.92                  | -63.65                   | 2.38                       | 9.68                        | V                     |
|                             | 7520                 | -65.23          | -13              | -52.23                  | -75.94                  | -74.30                   | 2.74                       | 11.81                       | V                     |

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



| WCDMA Band IV(RMC 12.2Kbps) |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                      | 3465                 | -63.76          | -13              | -50.76                  | -70.55                  | -68.65                   | 1.81                       | 6.70                        | H                     |
|                             | 5197.8               | -58.81          | -13              | -45.81                  | -71.49                  | -65.71                   | 2.23                       | 9.13                        | H                     |
|                             | 6930                 | -59.05          | -13              | -46.05                  | -74.23                  | -67.11                   | 2.60                       | 10.66                       | H                     |
|                             | 3465                 | -66.89          | -13              | -53.89                  | -72.09                  | -71.78                   | 1.81                       | 6.70                        | V                     |
|                             | 5197.8               | -56.49          | -13              | -43.49                  | -70.04                  | -63.39                   | 2.23                       | 9.13                        | V                     |
|                             | 6930                 | -59.10          | -13              | -46.10                  | -74.15                  | -67.16                   | 2.6                        | 10.66                       | V                     |

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