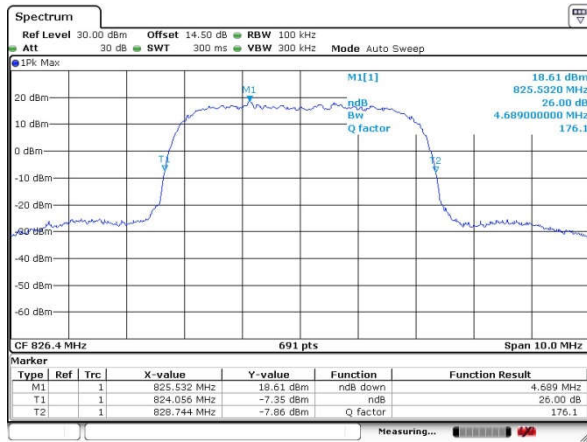




## WCDMA Band V (RMC 12.2Kbps)

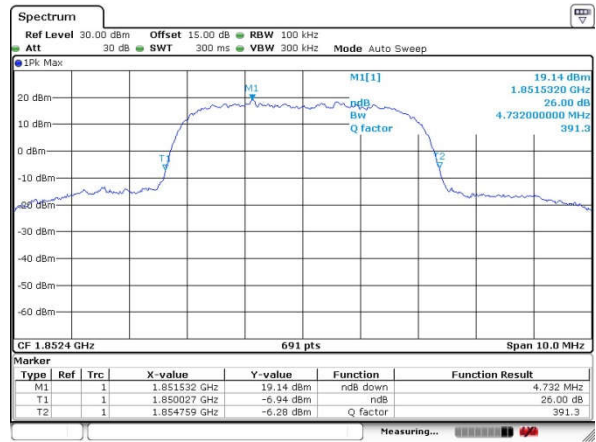
## Lowest Channel



Date: 23.OCT.2015 21:03:40

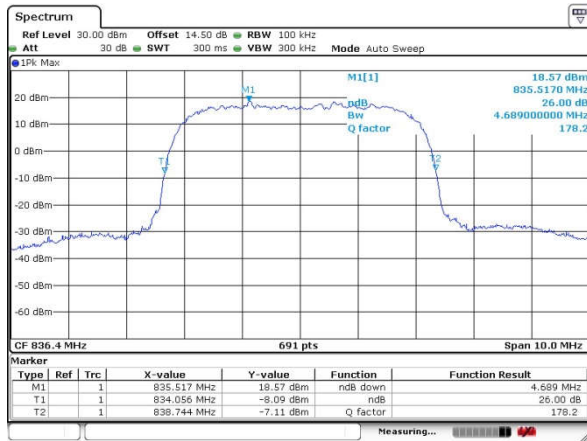
## WCDMA Band II (RMC 12.2Kbps)

## Lowest Channel



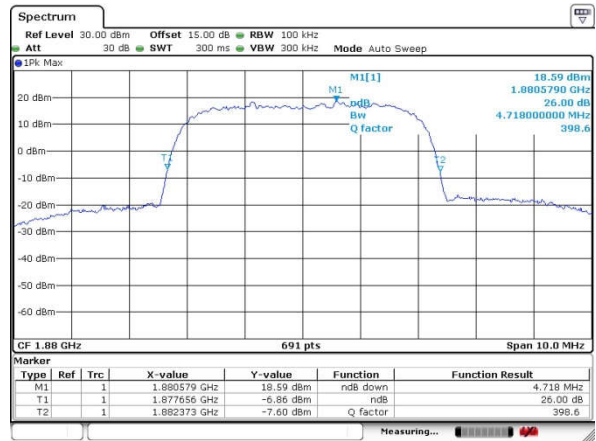
Date: 23.OCT.2015 21:24:29

## Middle Channel



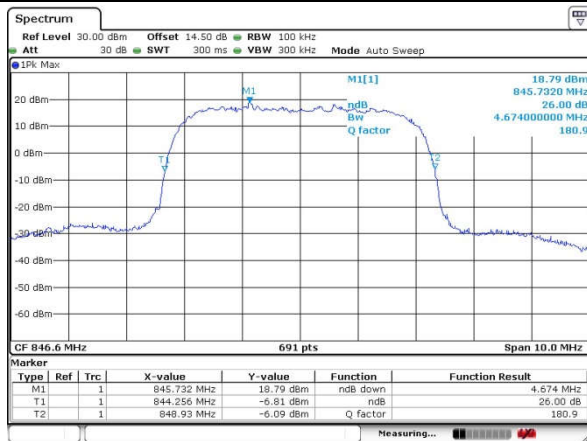
Date: 23.OCT.2015 21:04:27

## Middle Channel



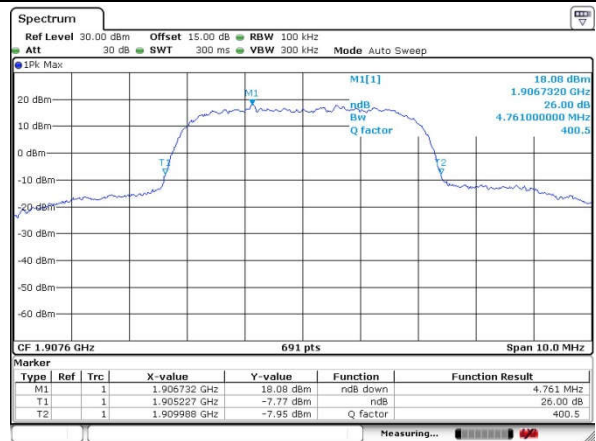
Date: 23.OCT.2015 21:26:00

## Highest Channel



Date: 23.OCT.2015 21:05:05

## Highest Channel

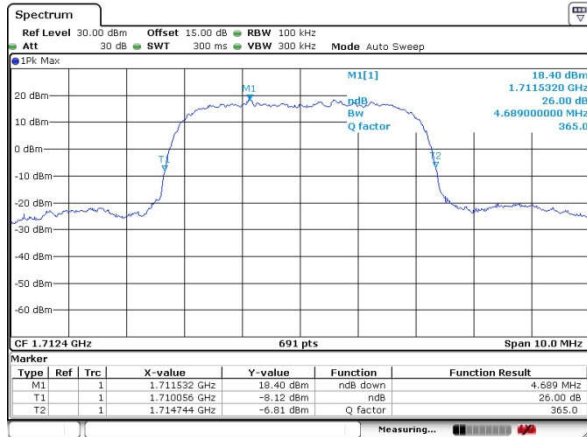


Date: 23.OCT.2015 21:27:58



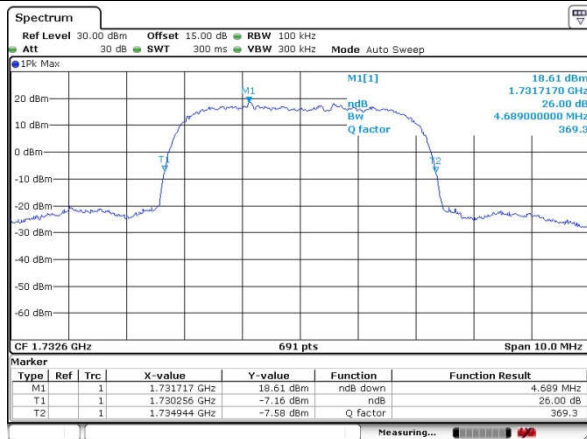
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



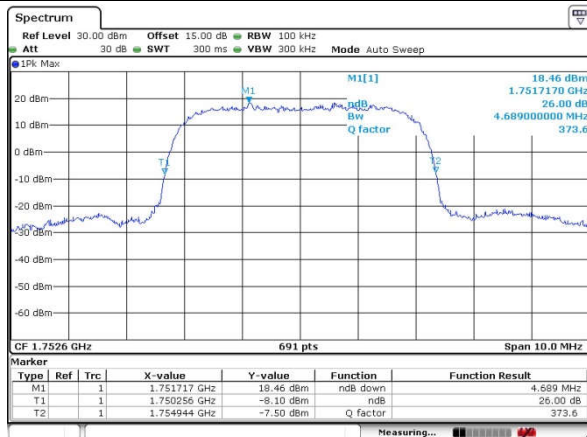
Date: 23.OCT.2015 22:01:33

Middle Channel



Date: 23.OCT.2015 22:02:23

Highest Channel



Date: 23.OCT.2015 22:05:32

**Occupied Bandwidth**

| Mode       | GSM850 |              |
|------------|--------|--------------|
| Mod.       | GSM    | EDGE class 8 |
| Lowest CH  | 244.57 | 253.26       |
| Middle CH  | 244.57 | 243.13       |
| Highest CH | 244.57 | 246.02       |

| Mode       | GSM1900 |              |
|------------|---------|--------------|
| Mod.       | GSM     | EDGE class 8 |
| Lowest CH  | 244.57  | 247.47       |
| Middle CH  | 244.57  | 256.15       |
| Highest CH | 246.02  | 248.91       |

| Mode       | WCDMA Band V | WCDMA Band II | WCDMA Band IV |
|------------|--------------|---------------|---------------|
| Mod.       | RMC 12.2Kbps | RMC 12.2Kbps  | RMC 12.2Kbps  |
| Lowest CH  | 4.15         | 4.17          | 4.15          |
| Middle CH  | 4.15         | 4.17          | 4.15          |
| Highest CH | 4.15         | 4.18          | 4.15          |



GSM850 (GSM)

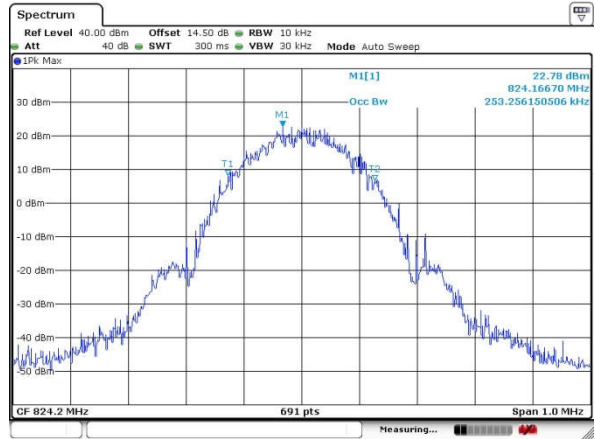
Lowest Channel



Date: 23.OCT.2015 19:56:23

GSM850 (EDGE class 8)

Lowest Channel



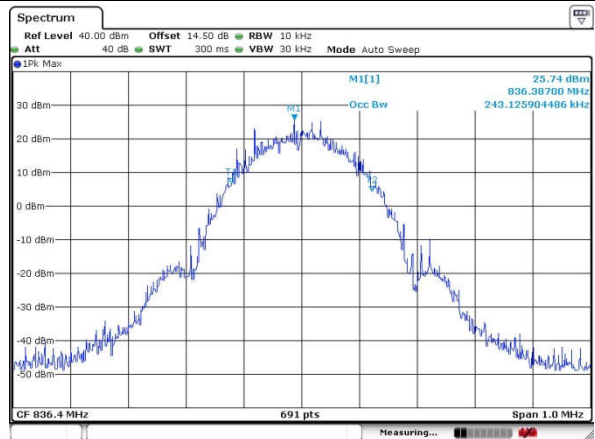
Date: 24.OCT.2015 18:18:23

Middle Channel



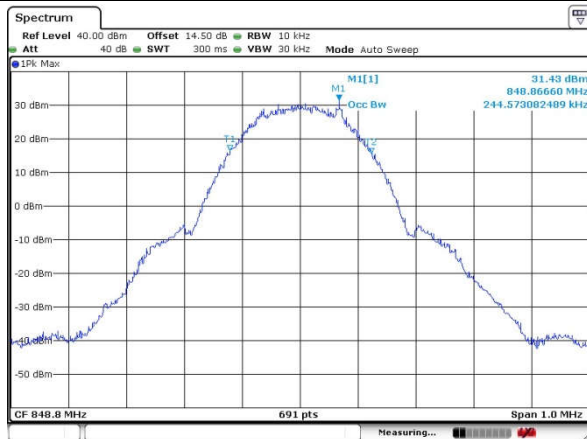
Date: 23.OCT.2015 20:01:54

Middle Channel



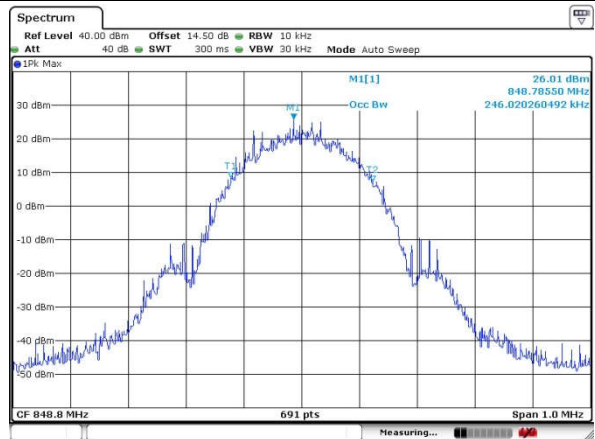
Date: 24.OCT.2015 18:17:21

Highest Channel



Date: 9.NOV.2015 16:40:07

Highest Channel



Date: 24.OCT.2015 18:16:57



GSM1900 (GSM)

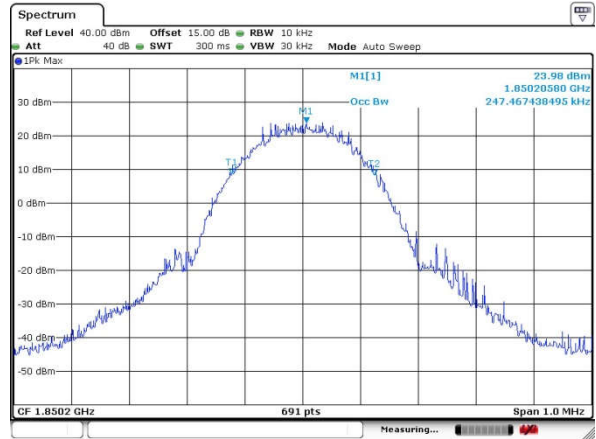
Lowest Channel



Date: 23.OCT.2015 22:14:32

GSM1900 (EDGE class 8)

Lowest Channel



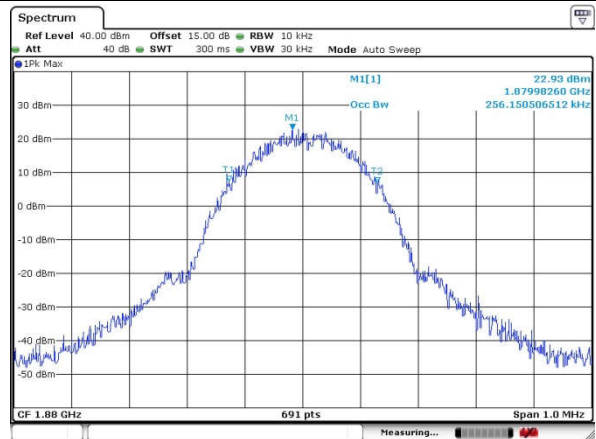
Date: 23.OCT.2015 23:45:37

Middle Channel



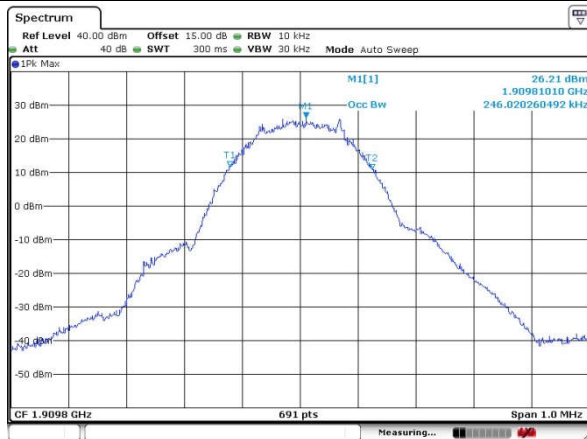
Date: 23.OCT.2015 22:17:03

Middle Channel



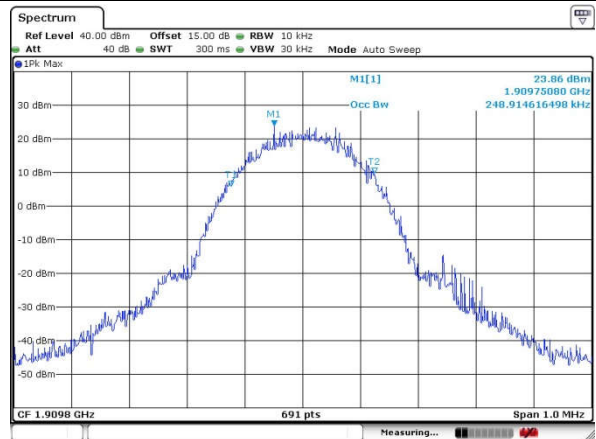
Date: 23.OCT.2015 23:44:07

Highest Channel



Date: 23.OCT.2015 22:18:45

Highest Channel

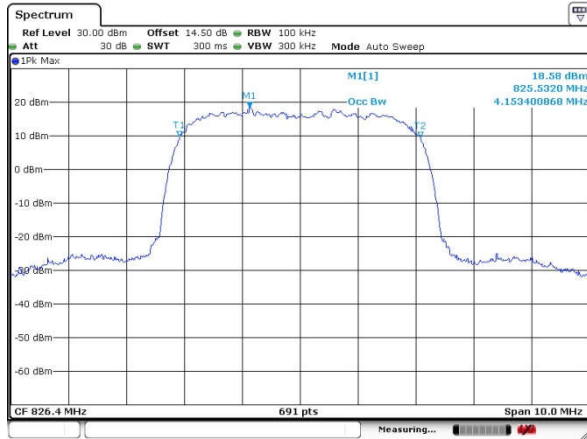


Date: 23.OCT.2015 23:42:58



WCDMA Band V (RMC 12.2Kbps)

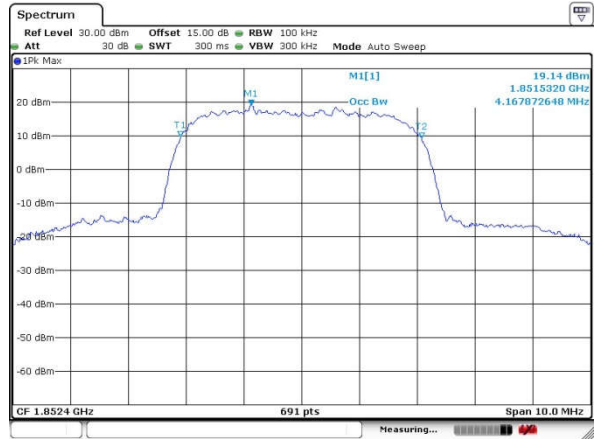
Lowest Channel



Date: 23.OCT.2015 20:59:18

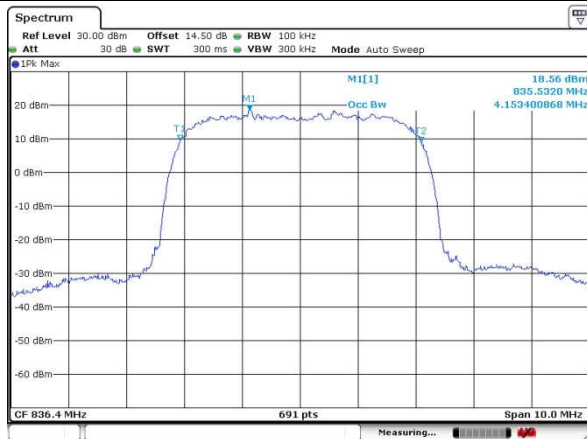
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



Date: 23.OCT.2015 21:17:16

Middle Channel



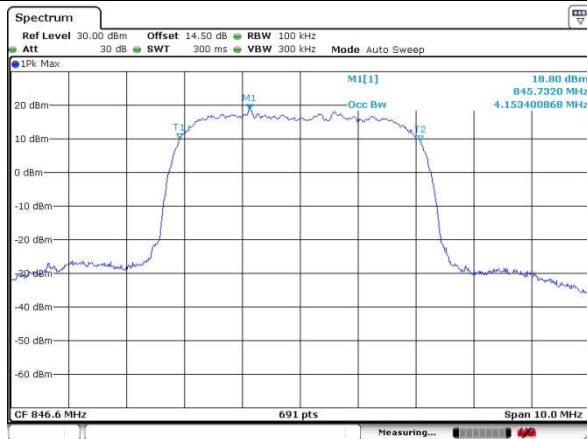
Date: 23.OCT.2015 21:09:20

Middle Channel



Date: 23.OCT.2015 21:19:06

Highest Channel



Date: 23.OCT.2015 21:01:33

Highest Channel



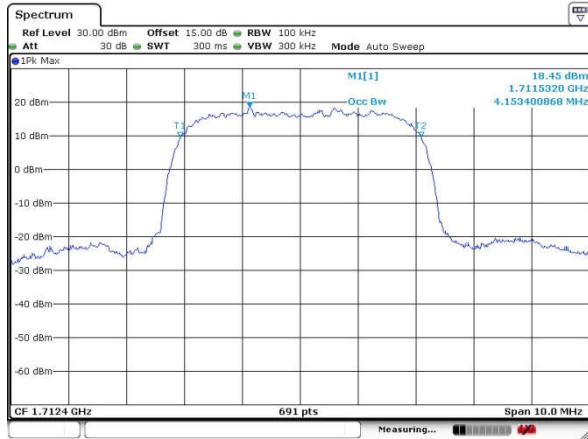
Date: 23.OCT.2015 21:22:31





WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



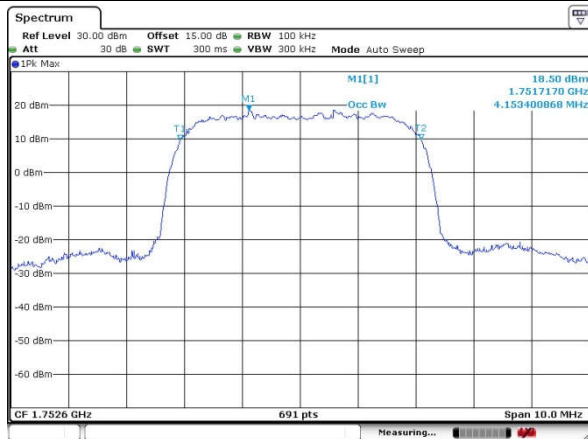
Date: 23.OCT.2015 21:56:08

Middle Channel

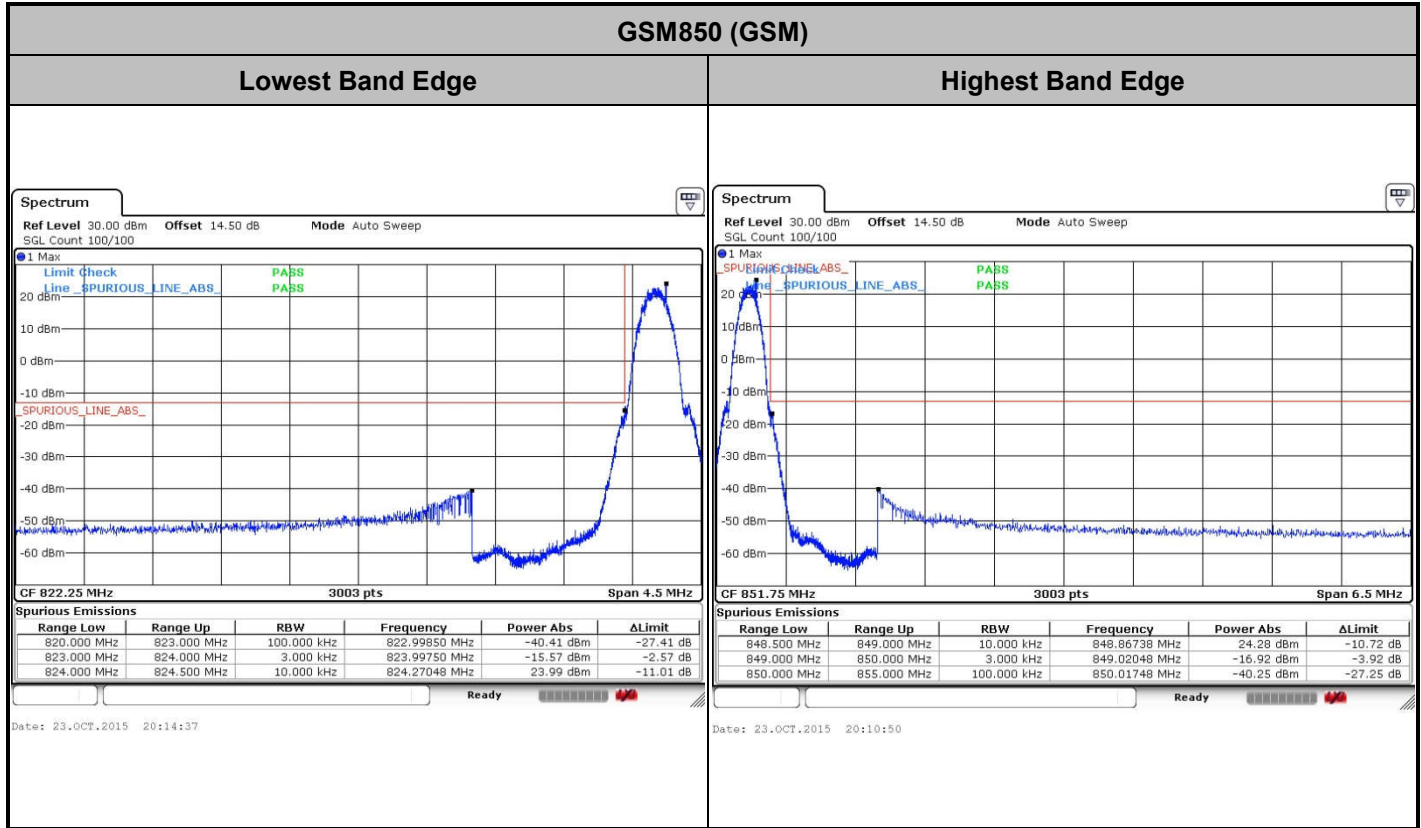


Date: 23.OCT.2015 21:56:20

Highest Channel



Date: 23.OCT.2015 21:59:32

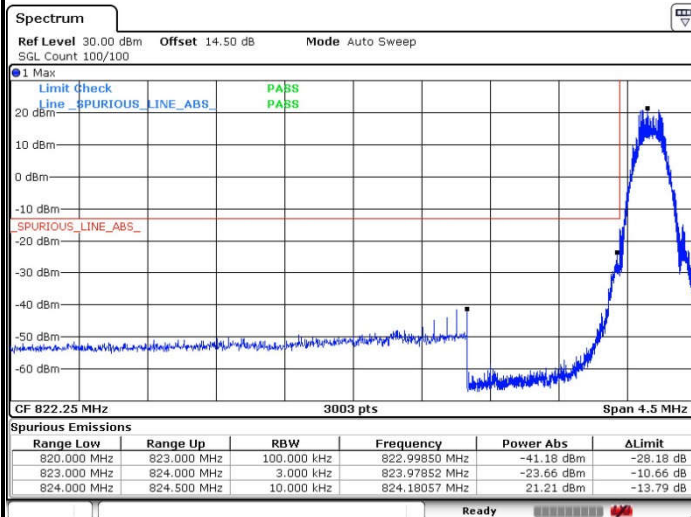
**Conducted Band Edge**





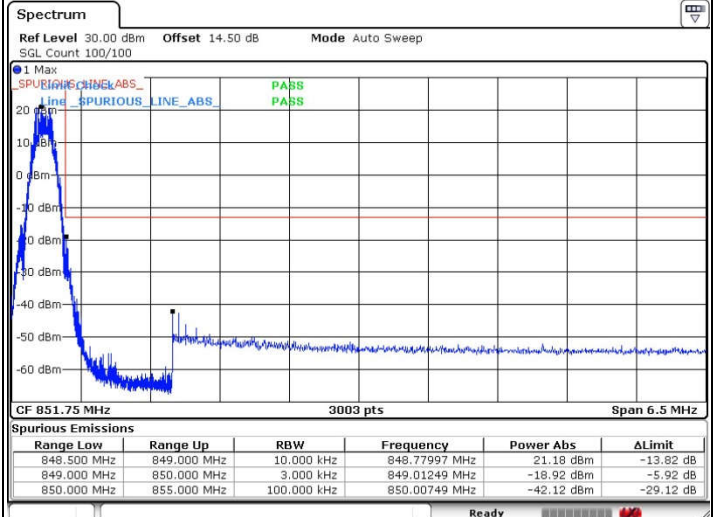
## GSM850 (EDGE class 8)

## Lowest Band Edge



Date: 23.OCT.2015 20:48:43

## Highest Band Edge

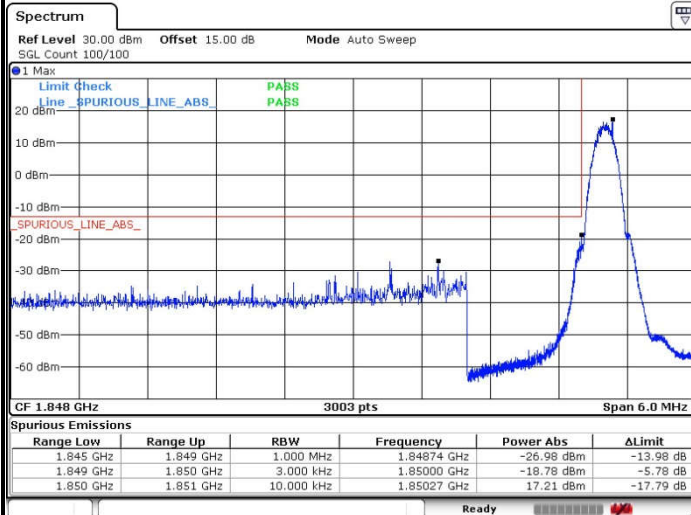


Date: 23.OCT.2015 20:44:41



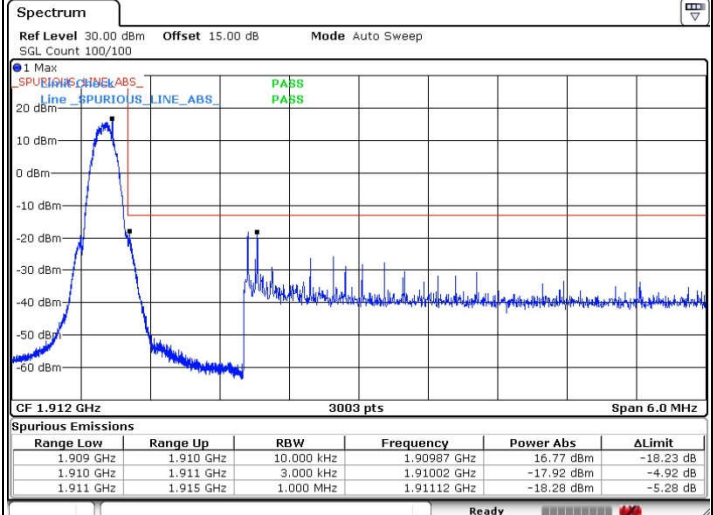
## GSM1900 (GSM)

## Lowest Band Edge



Date: 23.OCT.2015 22:38:59

## Highest Band Edge

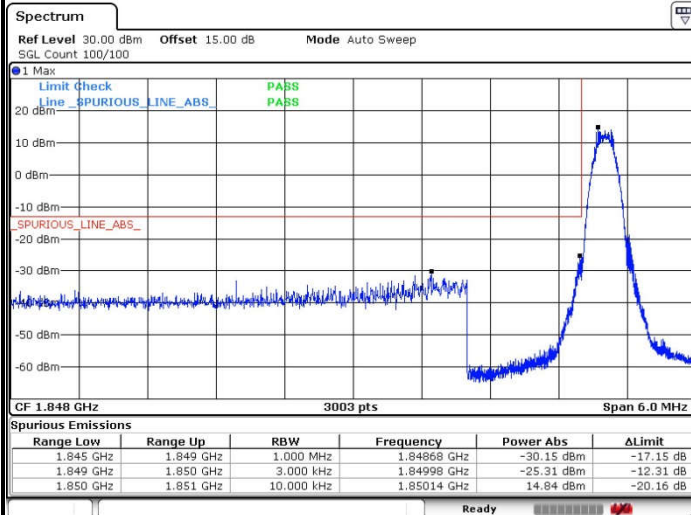


Date: 23.OCT.2015 22:33:27



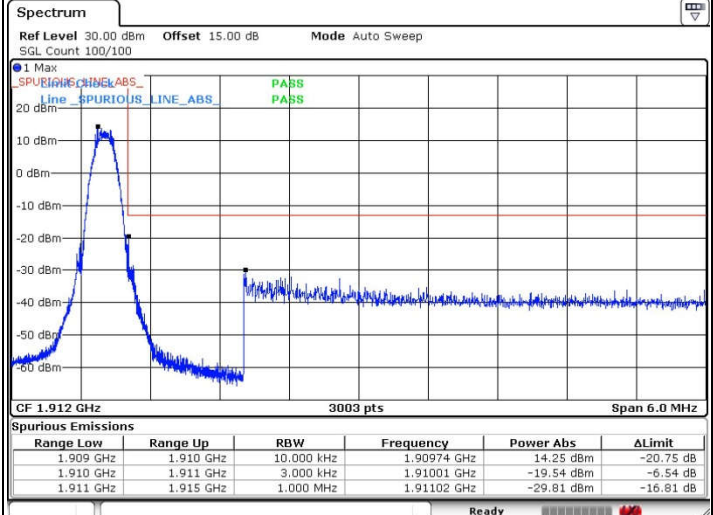
## GSM1900 (EDGE class 8)

## Lowest Band Edge



Date: 23.OCT.2015 23:14:31

## Highest Band Edge

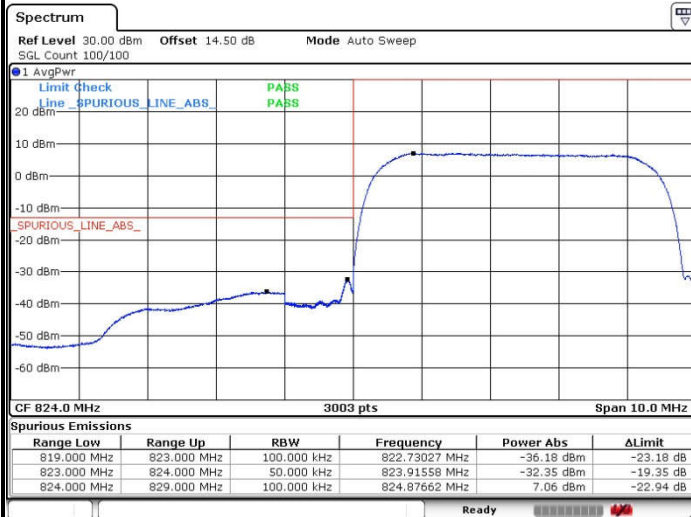


Date: 23.OCT.2015 23:23:21



## WCDMA Band V (RMC 12.2Kbps)

## Lowest Band Edge



Date: 23.OCT.2015 21:06:05

## Highest Band Edge



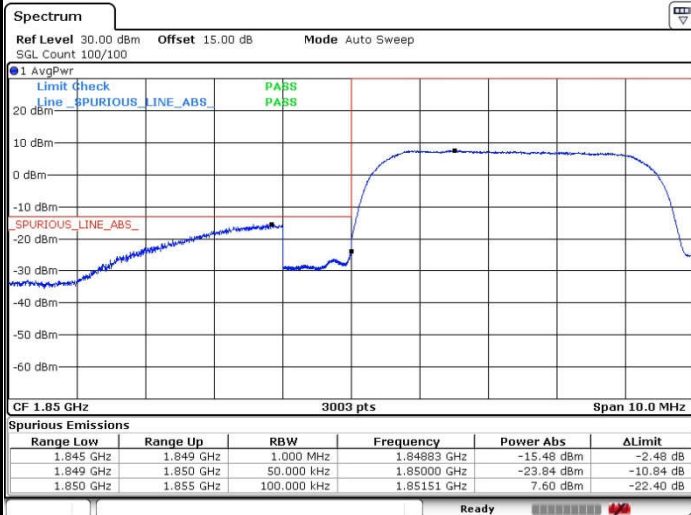
Date: 23.OCT.2015 21:07:09



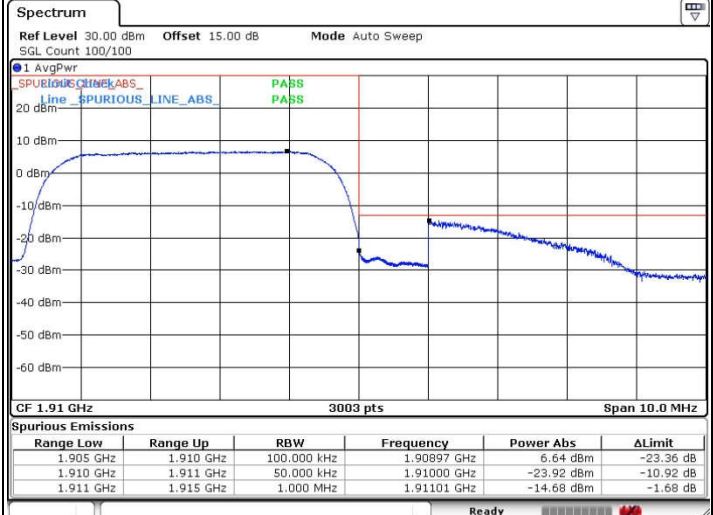
## WCDMA Band II (RMC 12.2Kbps)

## Lowest Band Edge

## Highest Band Edge



Date: 23.OCT.2015 21:32:36

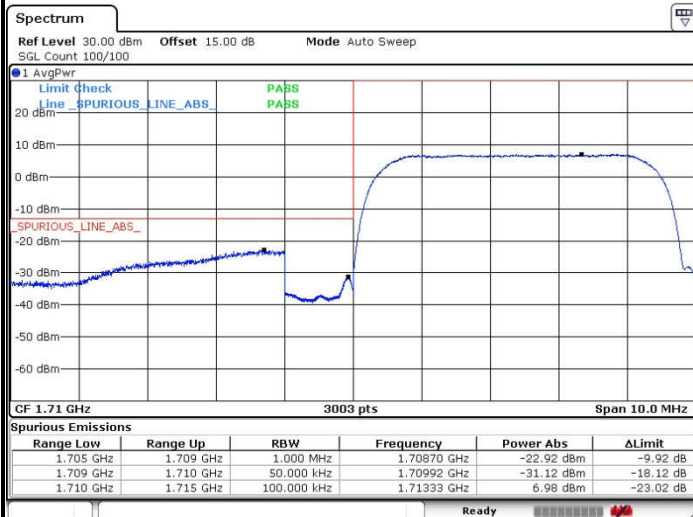


Date: 26.OCT.2015 08:21:23



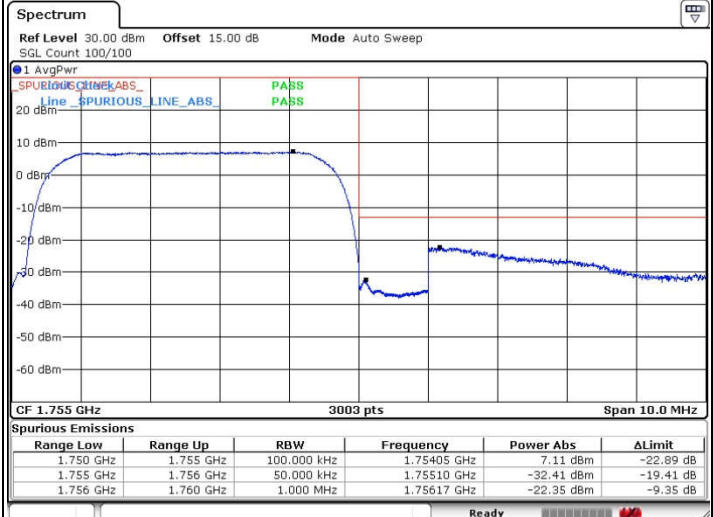
## WCDMA Band IV (RMC 12.2Kbps)

## Lowest Band Edge



Date: 23.OCT.2015 21:50:12

## Highest Band Edge



Date: 23.OCT.2015 21:48:26



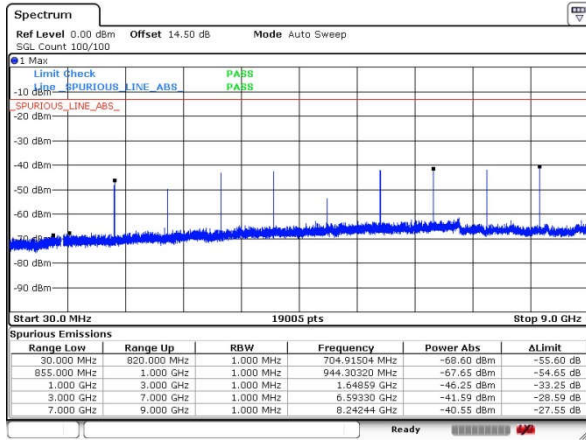


## **Conducted Spurious Emission**



## GSM850 (GSM)

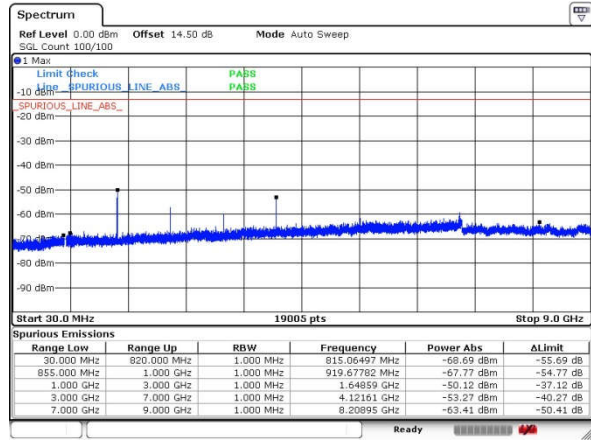
## Lowest Channel



Date: 23.OCT.2015 20:15:59

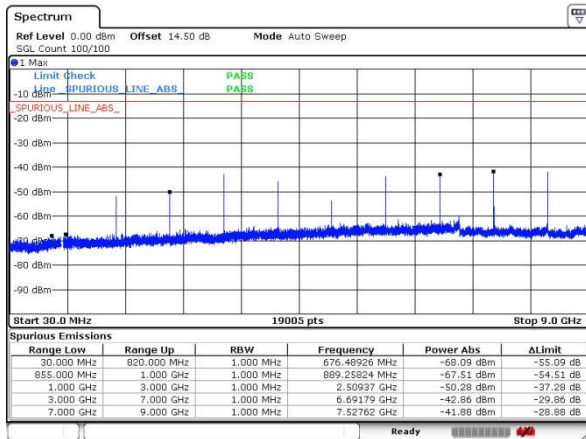
## GSM850 (EDGE class 8)

## Lowest Channel



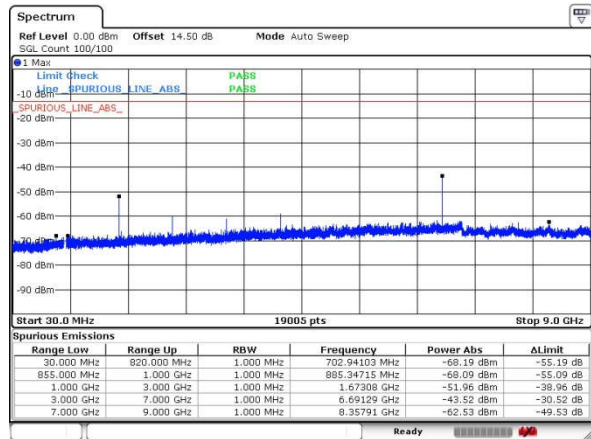
Date: 23.OCT.2015 20:49:40

## Middle Channel



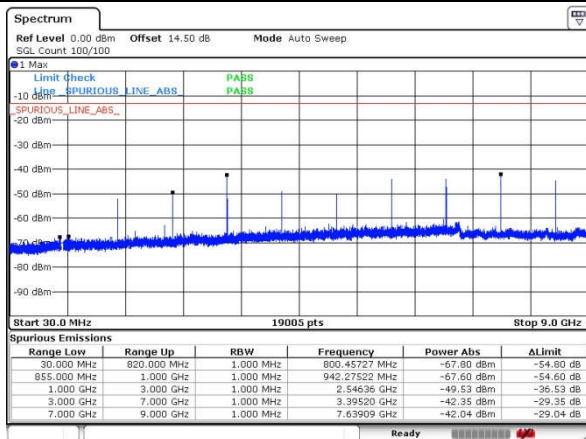
Date: 23.OCT.2015 20:16:20

## Middle Channel



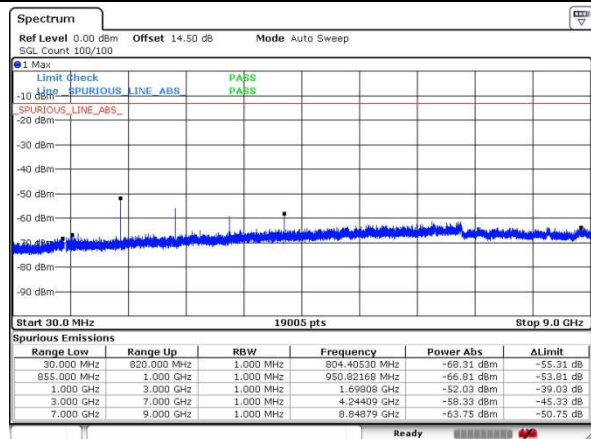
Date: 23.OCT.2015 20:50:25

## Highest Channel



Date: 23.OCT.2015 20:16:54

## Highest Channel

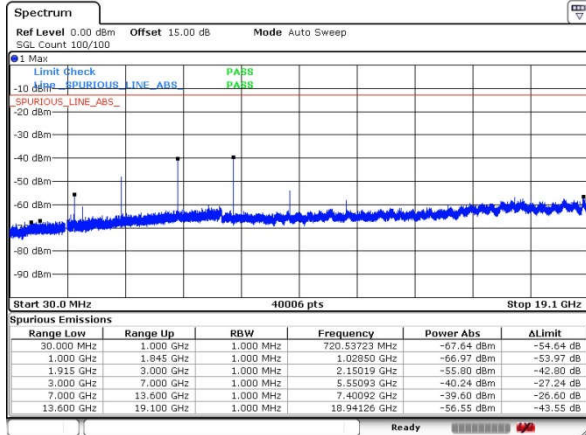


Date: 23.OCT.2015 20:51:17



## GSM1900 (GSM)

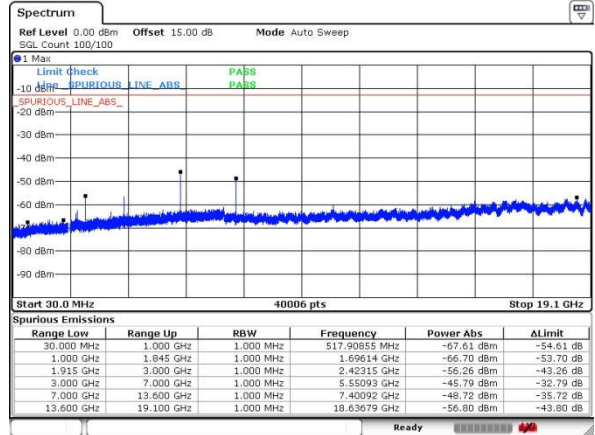
## Lowest Channel



Date: 23.OCT.2015 22:45:03

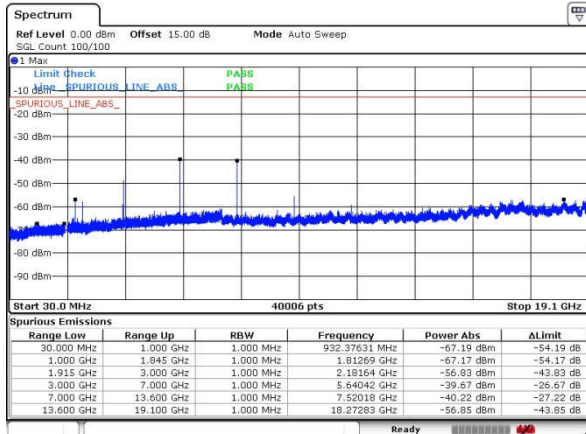
## GSM1900 (EDGE class 8)

## Lowest Channel



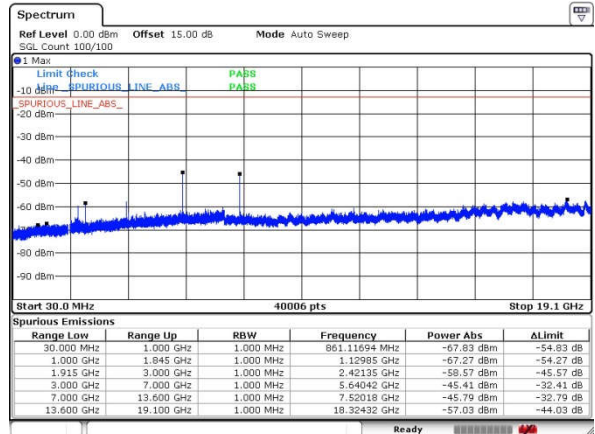
Date: 23.OCT.2015 22:57:10

## Middle Channel



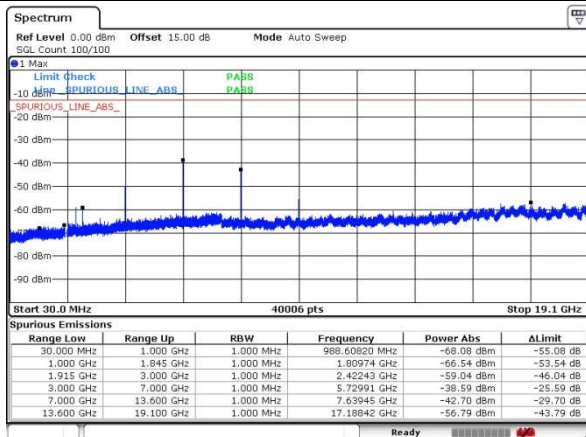
Date: 23.OCT.2015 22:44:03

## Middle Channel



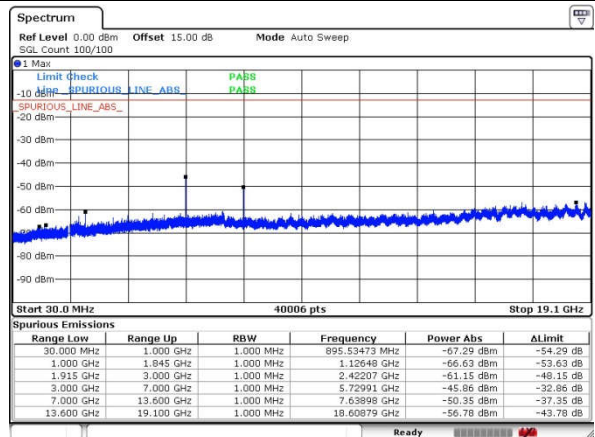
Date: 23.OCT.2015 22:58:17

## Highest Channel



Date: 23.OCT.2015 22:43:13

## Highest Channel

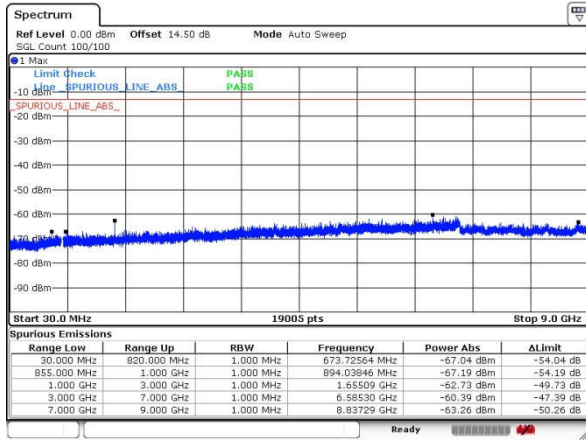


Date: 23.OCT.2015 22:59:04



## WCDMA Band V (RMC 12.2Kbps)

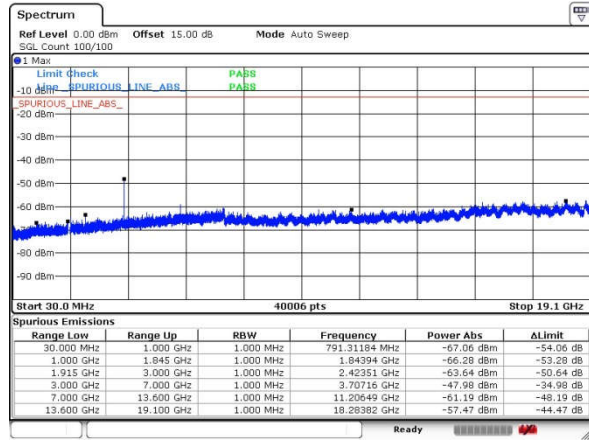
## Lowest Channel



Date: 23.OCT.2015 21:09:35

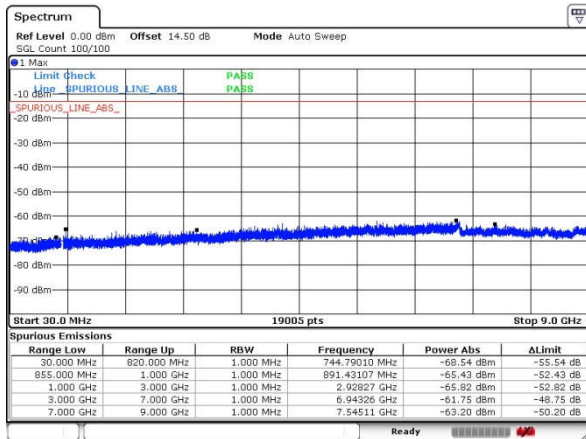
## WCDMA Band II (RMC 12.2Kbps)

## Lowest Channel



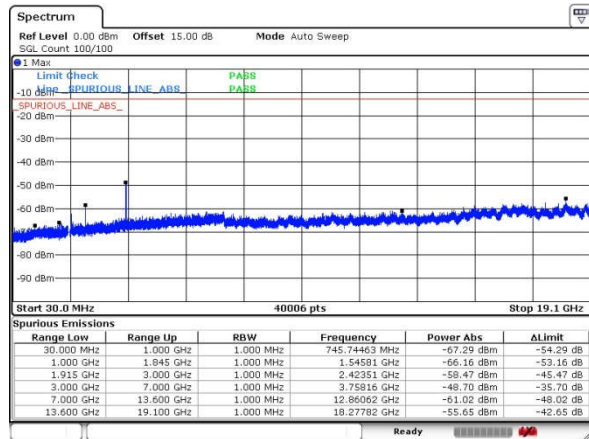
Date: 23.OCT.2015 21:13:41

## Middle Channel



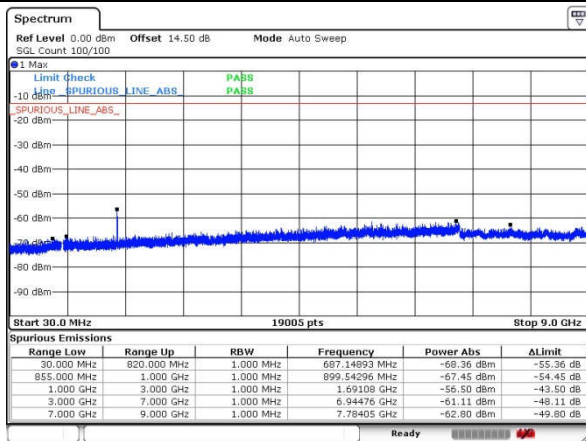
Date: 23.OCT.2015 21:10:57

## Middle Channel



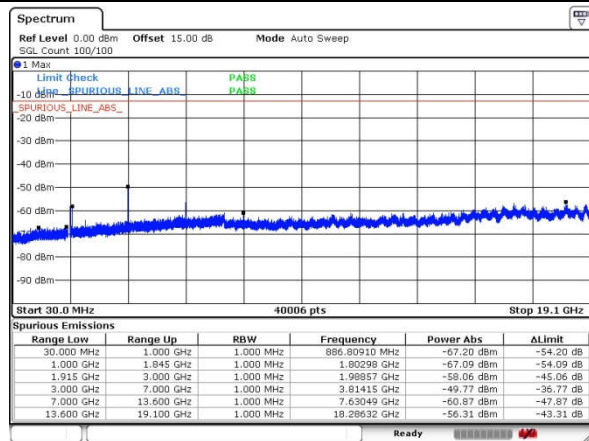
Date: 23.OCT.2015 21:13:51

## Highest Channel



Date: 23.OCT.2015 21:11:48

## Highest Channel



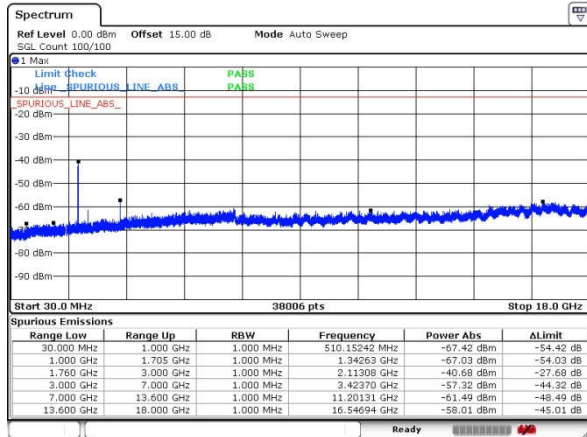
Date: 23.OCT.2015 21:13:48





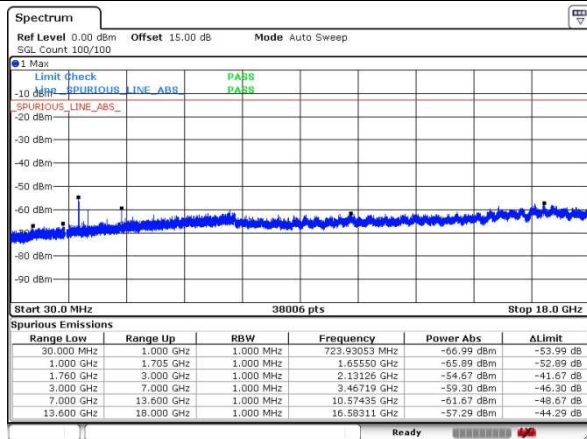
## WCDMA Band IV (RMC 12.2Kbps)

### Lowest Channel



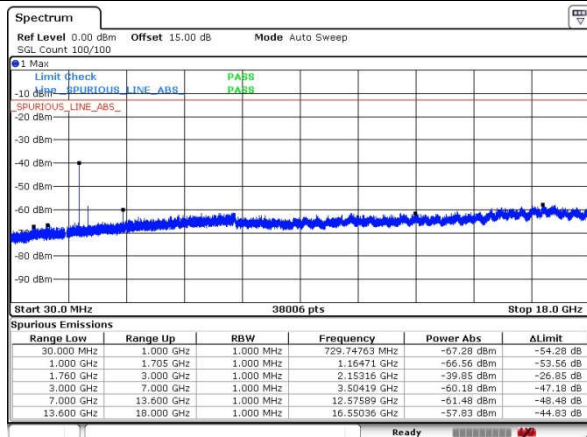
Date: 23.OCT.2015 21:42:19

### Middle Channel



Date: 23.OCT.2015 21:42:57

### Highest Channel



Date: 23.OCT.2015 21:46:26

**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    | 0.0395          | 0.0215                   | PASS            |
| 40               | Normal Voltage    | 0.0048          | 0.0155                   |                 |
| 30               | Normal Voltage    | 0.0024          | 0.0096                   |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000          | 0.0000                   |                 |
| 10               | Normal Voltage    | 0.0036          | 0.0024                   |                 |
| 0                | Normal Voltage    | 0.0347          | 0.0096                   |                 |
| -10              | Normal Voltage    | 0.0407          | 0.0155                   |                 |
| -20              | Normal Voltage    | 0.0383          | 0.0132                   |                 |
| -30              | Normal Voltage    | 0.0395          | 0.0143                   |                 |
| 20               | Maximum Voltage   | 0.0012          | 0.0036                   |                 |
| 20               | Normal Voltage    | 0.0000          | 0.0000                   |                 |
| 20               | Battery End Point | 0.0012          | 0.0060                   |                 |



| 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    | 0.0064           | 0.0069                    | PASS             |
| 40               | Normal Voltage    | 0.0027           | 0.0043                    |                  |
| 30               | Normal Voltage    | 0.0043           | 0.0016                    |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000           | 0.0000                    |                  |
| 10               | Normal Voltage    | 0.0021           | 0.0037                    |                  |
| 0                | Normal Voltage    | 0.0346           | 0.0027                    |                  |
| -10              | Normal Voltage    | 0.0367           | 0.0340                    |                  |
| -20              | Normal Voltage    | 0.0378           | 0.0420                    |                  |
| -30              | Normal Voltage    | 0.0005           | 0.0431                    |                  |
| 20               | Maximum Voltage   | 0.0011           | 0.0016                    |                  |
| 20               | Normal Voltage    | 0.0000           | 0.0000                    |                  |
| 20               | Battery End Point | 0.0011           | 0.0011                    |                  |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 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>Note 2. |
|------------------|-------------------|--------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                | Result           |
| 50               | Normal Voltage    | 0.0060                         | PASS             |
| 40               | Normal Voltage    | 0.0048                         |                  |
| 30               | Normal Voltage    | 0.0024                         |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                  |
| 10               | Normal Voltage    | 0.0084                         |                  |
| 0                | Normal Voltage    | 0.0024                         |                  |
| -10              | Normal Voltage    | 0.0072                         |                  |
| -20              | Normal Voltage    | 0.0096                         |                  |
| -30              | Normal Voltage    | 0.0108                         |                  |
| 20               | Maximum Voltage   | 0.0048                         |                  |
| 20               | Normal Voltage    | 0.0000                         |                  |
| 20               | Battery End Point | 0.0108                         |                  |



| 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    | 0.0016                          | PASS             |
| 40               | Normal Voltage    | 0.0027                          |                  |
| 30               | Normal Voltage    | 0.0021                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0011                          |                  |
| 0                | Normal Voltage    | 0.0005                          |                  |
| -10              | Normal Voltage    | 0.0037                          |                  |
| -20              | Normal Voltage    | 0.0043                          |                  |
| -30              | Normal Voltage    | 0.0032                          |                  |
| 20               | Maximum Voltage   | 0.0016                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0011                          |                  |



| 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    | 0.0040                          | PASS             |
| 40               | Normal Voltage    | 0.0029                          |                  |
| 30               | Normal Voltage    | 0.0012                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0012                          |                  |
| 0                | Normal Voltage    | 0.0023                          |                  |
| -10              | Normal Voltage    | 0.0098                          |                  |
| -20              | Normal Voltage    | 0.0110                          |                  |
| -30              | Normal Voltage    | 0.0127                          |                  |
| 20               | Maximum Voltage   | 0.0006                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0006                          |                  |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 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

### ERP/EIRP

| Channel | Mode                         | Horizontal |        | Vertical |        |
|---------|------------------------------|------------|--------|----------|--------|
|         |                              | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest  | GSM850<br>GSM                | 30.92      | 1.2359 | 30.85    | 1.2162 |
| Middle  |                              | 30.50      | 1.1220 | 29.76    | 0.9462 |
| Highest |                              | 30.77      | 1.1940 | 29.13    | 0.8185 |
| Lowest  | GSM850<br>EDGE class 8       | 21.44      | 0.1393 | 23.65    | 0.2317 |
| Middle  |                              | 21.90      | 0.1549 | 22.70    | 0.1862 |
| Highest |                              | 22.18      | 0.1652 | 22.64    | 0.1837 |
| Lowest  | WCDMA Band V<br>RMC 12.2Kbps | 20.07      | 0.1016 | 18.79    | 0.0757 |
| Middle  |                              | 20.74      | 0.1186 | 18.09    | 0.0644 |
| Highest |                              | 21.36      | 0.1368 | 17.81    | 0.0604 |
| Limit   | ERP < 7W                     | Result     |        | PASS     |        |



| Channel | Mode                          | Horizontal |         | Vertical  |         |
|---------|-------------------------------|------------|---------|-----------|---------|
|         |                               | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest  | GSM1900<br>GSM                | 28.83      | 0.7638  | 30.79     | 1.1995  |
| Middle  |                               | 30.76      | 1.1912  | 29.22     | 0.8356  |
| Highest |                               | 28.68      | 0.7379  | 30.67     | 1.1668  |
| Lowest  | GSM1900<br>EDGE class 8       | 26.23      | 0.4198  | 27.03     | 0.5047  |
| Middle  |                               | 27.20      | 0.5248  | 26.02     | 0.3999  |
| Highest |                               | 25.98      | 0.3963  | 27.41     | 0.5508  |
| Lowest  | WCDMA Band II<br>RMC 12.2Kbps | 20.65      | 0.1161  | 22.20     | 0.1660  |
| Middle  |                               | 22.65      | 0.1841  | 21.31     | 0.1352  |
| Highest |                               | 21.99      | 0.1581  | 23.57     | 0.2275  |
| Limit   | EIRP < 2W                     | Result     |         | PASS      |         |

| Channel | Mode                          | Horizontal |         | Vertical  |         |
|---------|-------------------------------|------------|---------|-----------|---------|
|         |                               | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest  | WCDMA Band IV<br>RMC 12.2Kbps | 21.28      | 0.1343  | 20.27     | 0.1064  |
| Middle  |                               | 21.83      | 0.1524  | 24.00     | 0.2512  |
| Highest |                               | 20.95      | 0.1245  | 23.38     | 0.2178  |
| Limit   | EIRP < 1W                     | Result     |         | PASS      |         |

**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) |
| Lowest       | 1648.4               | -36.76         | -13              | -23.76                  | -48.36                  | -43.44                   | 0.57                       | 9.40                        | H                     |
|              | 2472.6               | -38.75         | -13              | -25.75                  | -54.85                  | -46.46                   | 0.74                       | 10.60                       | H                     |
|              | 3296.8               | -44.32         | -13              | -31.32                  | -61.27                  | -53.92                   | 0.85                       | 12.60                       | H                     |
|              | 1648.4               | -32.16         | -13              | -19.16                  | -43.32                  | -38.84                   | 0.57                       | 9.40                        | V                     |
|              | 2472.6               | -38.02         | -13              | -25.02                  | -54.57                  | -45.73                   | 0.74                       | 10.60                       | V                     |
|              | 3296.8               | -46.94         | -13              | -33.94                  | -62.39                  | -56.54                   | 0.85                       | 12.60                       | V                     |
| Middle       | 1672                 | -39.02         | -13              | -26.02                  | -50.36                  | -45.70                   | 0.57                       | 9.40                        | H                     |
|              | 2510                 | -42.37         | -13              | -29.37                  | -57.79                  | -50.08                   | 0.74                       | 10.60                       | H                     |
|              | 3346                 | -51.03         | -13              | -38.03                  | -66.63                  | -60.63                   | 0.85                       | 12.60                       | H                     |
|              | 1672                 | -39.99         | -13              | -26.99                  | -50.72                  | -46.67                   | 0.57                       | 9.40                        | V                     |
|              | 2510                 | -49.57         | -13              | -36.57                  | -62.81                  | -57.28                   | 0.74                       | 10.60                       | V                     |
|              | 3346                 | -54.07         | -13              | -41.07                  | -68.68                  | -63.67                   | 0.85                       | 12.60                       | V                     |
| Highest      | 1697.6               | -47.23         | -13              | -34.23                  | -57.10                  | -53.91                   | 0.57                       | 9.40                        | H                     |
|              | 2546.4               | -52.61         | -13              | -39.61                  | -64.89                  | -60.32                   | 0.74                       | 10.60                       | H                     |
|              | 3395.2               | -52.84         | -13              | -39.84                  | -68.44                  | -62.44                   | 0.85                       | 12.60                       | H                     |
|              | 1697.6               | -54.72         | -13              | -41.72                  | -61.66                  | -61.40                   | 0.57                       | 9.40                        | V                     |
|              | 2546.4               | -58.14         | -13              | -45.14                  | -69.64                  | -65.85                   | 0.74                       | 10.60                       | V                     |
|              | 3395.2               | -53.47         | -13              | -40.47                  | -68.08                  | -63.07                   | 0.85                       | 12.60                       | 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) |
| Lowest                | 1648.4               | -43.77         | -13              | -30.77                  | -54.49                  | -50.45                   | 0.57                       | 9.40                        | H                     |
|                       | 2472.6               | -51.38         | -13              | -38.38                  | -63.90                  | -59.09                   | 0.74                       | 10.60                       | H                     |
|                       | 3296.8               | -54.24         | -13              | -41.24                  | -69.84                  | -63.84                   | 0.85                       | 12.60                       | H                     |
|                       | 1648.4               | -42.54         | -13              | -29.54                  | -52.86                  | -49.22                   | 0.57                       | 9.40                        | V                     |
|                       | 2472.6               | -52.24         | -13              | -39.24                  | -64.28                  | -59.95                   | 0.74                       | 10.60                       | V                     |
|                       | 3296.8               | -56.42         | -13              | -43.42                  | -71.03                  | -66.02                   | 0.85                       | 12.60                       | V                     |
| Middle                | 1672                 | -52.23         | -13              | -39.23                  | -60.39                  | -58.91                   | 0.57                       | 9.40                        | H                     |
|                       | 2510                 | -55.30         | -13              | -42.30                  | -67.58                  | -63.01                   | 0.74                       | 10.60                       | H                     |
|                       | 3346                 | -53.31         | -13              | -40.31                  | -68.91                  | -62.91                   | 0.85                       | 12.60                       | H                     |
|                       | 1672                 | -54.47         | -13              | -41.47                  | -61.51                  | -61.15                   | 0.57                       | 9.40                        | V                     |
|                       | 2510                 | -57.58         | -13              | -44.58                  | -69.08                  | -65.29                   | 0.74                       | 10.60                       | V                     |
|                       | 3346                 | -54.23         | -13              | -41.23                  | -68.84                  | -63.83                   | 0.85                       | 12.60                       | V                     |
| Highest               | 1697.6               | -58.98         | -13              | -45.98                  | -66.55                  | -65.66                   | 0.57                       | 9.40                        | H                     |
|                       | 2546.4               | -57.32         | -13              | -44.32                  | -69.60                  | -65.03                   | 0.74                       | 10.60                       | H                     |
|                       | 3395.2               | -55.55         | -13              | -42.55                  | -71.15                  | -65.15                   | 0.85                       | 12.60                       | H                     |
|                       | 1697.6               | -61.10         | -13              | -48.10                  | -67.93                  | -67.78                   | 0.57                       | 9.40                        | V                     |
|                       | 2546.4               | -58.71         | -13              | -45.71                  | -70.21                  | -66.42                   | 0.74                       | 10.60                       | V                     |
|                       | 3395.2               | -57.15         | -13              | -44.15                  | -71.76                  | -66.75                   | 0.85                       | 12.60                       | V                     |

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





| GSM1900 (GSM) |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel       | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest        | 3700.4               | -44.92          | -13              | -31.92                  | -65.25                  | -56.65                   | 0.87                       | 12.60                       | H                     |
|               | 5550.6               | -44.07          | -13              | -31.07                  | -66.94                  | -56.10                   | 1.07                       | 13.10                       | H                     |
|               | 7400.8               | -50.61          | -13              | -37.61                  | -75.74                  | -60.22                   | 1.69                       | 11.30                       | H                     |
|               | 3700.4               | -44.34          | -13              | -31.34                  | -65.9                   | -56.07                   | 0.87                       | 12.6                        | V                     |
|               | 5550.6               | -41.62          | -13              | -28.62                  | -64.37                  | -53.65                   | 1.07                       | 13.1                        | V                     |
|               | 7400.8               | -48.63          | -13              | -35.63                  | -73.54                  | -58.06                   | 1.87                       | 11.3                        | V                     |
| Middle        | 3760                 | -37.93          | -13              | -24.93                  | -59.75                  | -49.66                   | 0.87                       | 12.60                       | H                     |
|               | 5640                 | -42.21          | -13              | -29.21                  | -65.08                  | -54.24                   | 1.07                       | 13.10                       | H                     |
|               | 7520                 | -50.84          | -13              | -37.84                  | -75.97                  | -60.45                   | 1.69                       | 11.30                       | H                     |
|               | 3760                 | -39.10          | -13              | -26.10                  | -61.8                   | -50.83                   | 0.87                       | 12.6                        | V                     |
|               | 5640                 | -43.55          | -13              | -30.55                  | -66.3                   | -55.58                   | 1.07                       | 13.1                        | V                     |
|               | 7520                 | -49.11          | -13              | -36.11                  | -74.02                  | -58.54                   | 1.87                       | 11.3                        | V                     |
| Highest       | 3819.6               | -37.36          | -13              | -24.36                  | -59.34                  | -49.09                   | 0.87                       | 12.60                       | H                     |
|               | 5729.4               | -44.70          | -13              | -31.70                  | -67.57                  | -56.73                   | 1.07                       | 13.10                       | H                     |
|               | 7639.2               | -50.14          | -13              | -37.14                  | -75.27                  | -59.75                   | 1.69                       | 11.30                       | H                     |
|               | 3819.6               | -44.40          | -13              | -31.40                  | -65.96                  | -56.13                   | 0.87                       | 12.6                        | V                     |
|               | 5729.4               | -44.54          | -13              | -31.54                  | -67.29                  | -56.57                   | 1.07                       | 13.1                        | V                     |
|               | 7639.2               | -50.73          | -13              | -37.73                  | -75.64                  | -60.16                   | 1.87                       | 11.3                        | V                     |

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



| GSM1900 (EDGE class 8) |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                 | 3700.4               | -41.70          | -13              | -28.70                  | -62.16                  | -53.43                   | 0.87                       | 12.60                       | H                     |
|                        | 5550.6               | -45.56          | -13              | -32.56                  | -68.43                  | -57.59                   | 1.07                       | 13.10                       | H                     |
|                        | 7400.8               | -50.23          | -13              | -37.23                  | -75.36                  | -59.84                   | 1.69                       | 11.30                       | H                     |
|                        | 3700.4               | -41.49          | -13              | -28.49                  | -63.17                  | -53.22                   | 0.87                       | 12.6                        | V                     |
|                        | 5550.6               | -47.16          | -13              | -34.16                  | -69.91                  | -59.19                   | 1.07                       | 13.1                        | V                     |
|                        | 7400.8               | -51.02          | -13              | -38.02                  | -75.93                  | -60.45                   | 1.87                       | 11.3                        | V                     |
| Middle                 | 3760                 | -39.69          | -13              | -26.69                  | -61.14                  | -51.42                   | 0.87                       | 12.60                       | H                     |
|                        | 5640                 | -48.36          | -13              | -35.36                  | -71.23                  | -60.39                   | 1.07                       | 13.10                       | H                     |
|                        | 7520                 | -50.74          | -13              | -37.74                  | -75.87                  | -60.35                   | 1.69                       | 11.30                       | H                     |
|                        | 3760                 | -42.51          | -13              | -29.51                  | -64.07                  | -54.24                   | 0.87                       | 12.6                        | V                     |
|                        | 5640                 | -44.85          | -13              | -31.85                  | -67.6                   | -56.88                   | 1.07                       | 13.1                        | V                     |
|                        | 7520                 | -50.40          | -13              | -37.40                  | -75.31                  | -59.83                   | 1.87                       | 11.3                        | V                     |
| Highest                | 3819.6               | -43.44          | -13              | -30.44                  | -63.77                  | -55.17                   | 0.87                       | 12.60                       | H                     |
|                        | 5729.4               | -48.88          | -13              | -35.88                  | -71.75                  | -60.91                   | 1.07                       | 13.10                       | H                     |
|                        | 7639.2               | -50.80          | -13              | -37.80                  | -75.93                  | -60.41                   | 1.69                       | 11.30                       | H                     |
|                        | 3819.6               | -45.84          | -13              | -32.84                  | -67.4                   | -57.57                   | 0.87                       | 12.6                        | V                     |
|                        | 5729.4               | -45.51          | -13              | -32.51                  | -68.26                  | -57.54                   | 1.07                       | 13.1                        | V                     |
|                        | 7639.2               | -50.33          | -13              | -37.33                  | -75.24                  | -59.76                   | 1.87                       | 11.3                        | 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) |
| Lowest                     | 1648.4               | -56.88         | -13              | -43.88                  | -64.45                  | -63.56                   | 0.57                       | 9.40                        | H                     |
|                            | 2472.6               | -55.66         | -13              | -42.66                  | -67.94                  | -63.37                   | 0.74                       | 10.60                       | H                     |
|                            | 3296.8               | -55.56         | -13              | -42.56                  | -71.16                  | -65.16                   | 0.85                       | 12.60                       | H                     |
|                            | 1648.4               | -60.65         | -13              | -47.65                  | -67.48                  | -67.33                   | 0.57                       | 9.40                        | V                     |
|                            | 2472.6               | -58.64         | -13              | -45.64                  | -70.14                  | -66.35                   | 0.74                       | 10.60                       | V                     |
|                            | 3296.8               | -56.91         | -13              | -43.91                  | -71.52                  | -66.51                   | 0.85                       | 12.60                       | V                     |
| Middle                     | 1672                 | -56.92         | -13              | -43.92                  | -64.49                  | -63.60                   | 0.57                       | 9.40                        | H                     |
|                            | 2510                 | -57.59         | -13              | -44.59                  | -69.87                  | -65.30                   | 0.74                       | 10.60                       | H                     |
|                            | 3346                 | -55.83         | -13              | -42.83                  | -71.43                  | -65.43                   | 0.85                       | 12.60                       | H                     |
|                            | 1672                 | -60.85         | -13              | -47.85                  | -67.68                  | -67.53                   | 0.57                       | 9.40                        | V                     |
|                            | 2510                 | -58.51         | -13              | -45.51                  | -70.01                  | -66.22                   | 0.74                       | 10.60                       | V                     |
|                            | 3346                 | -57.13         | -13              | -44.13                  | -71.74                  | -66.73                   | 0.85                       | 12.60                       | V                     |
| Highest                    | 1693.2               | -58.46         | -13              | -45.46                  | -66.03                  | -65.14                   | 0.57                       | 9.40                        | H                     |
|                            | 2539.8               | -58.27         | -13              | -45.27                  | -70.55                  | -65.98                   | 0.74                       | 10.60                       | H                     |
|                            | 3386.4               | -56.16         | -13              | -43.16                  | -71.76                  | -65.76                   | 0.85                       | 12.60                       | H                     |
|                            | 1693.2               | -62.53         | -13              | -49.53                  | -69.36                  | -69.21                   | 0.57                       | 9.40                        | V                     |
|                            | 2539.8               | -59.24         | -13              | -46.24                  | -70.74                  | -66.95                   | 0.74                       | 10.60                       | V                     |
|                            | 3386.4               | -56.83         | -13              | -43.83                  | -71.44                  | -66.43                   | 0.85                       | 12.60                       | 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) |
| Lowest                      | 3704.8               | -51.70          | -13              | -38.70                  | -72.03                  | -63.43                   | 0.87                       | 12.60                       | H                     |
|                             | 5557.2               | -50.29          | -13              | -37.29                  | -73.16                  | -62.32                   | 1.07                       | 13.10                       | H                     |
|                             | 7409.6               | -50.40          | -13              | -37.40                  | -75.53                  | -60.01                   | 1.69                       | 11.30                       | H                     |
|                             | 3704.8               | -51.09          | -13              | -38.09                  | -72.65                  | -62.82                   | 0.87                       | 12.6                        | V                     |
|                             | 5557.2               | -50.17          | -13              | -37.17                  | -72.92                  | -62.20                   | 1.07                       | 13.1                        | V                     |
|                             | 7409.6               | -50.70          | -13              | -37.70                  | -75.61                  | -60.13                   | 1.87                       | 11.3                        | V                     |
| Middle                      | 3760                 | -51.44          | -13              | -38.44                  | -71.77                  | -63.17                   | 0.87                       | 12.60                       | H                     |
|                             | 5640                 | -50.12          | -13              | -37.12                  | -72.99                  | -62.15                   | 1.07                       | 13.10                       | H                     |
|                             | 7520                 | -50.79          | -13              | -37.79                  | -75.92                  | -60.40                   | 1.69                       | 11.30                       | H                     |
|                             | 3760                 | -51.17          | -13              | -38.17                  | -72.73                  | -62.90                   | 0.87                       | 12.6                        | V                     |
|                             | 5640                 | -48.95          | -13              | -35.95                  | -71.7                   | -60.98                   | 1.07                       | 13.1                        | V                     |
|                             | 7520                 | -51.37          | -13              | -38.37                  | -76.28                  | -60.80                   | 1.87                       | 11.3                        | V                     |
| Highest                     | 3815.2               | -51.62          | -13              | -38.62                  | -71.95                  | -63.35                   | 0.87                       | 12.60                       | H                     |
|                             | 5722.8               | -49.20          | -13              | -36.20                  | -72.07                  | -61.23                   | 1.07                       | 13.10                       | H                     |
|                             | 7630.4               | -49.97          | -13              | -36.97                  | -75.10                  | -59.58                   | 1.69                       | 11.30                       | H                     |
|                             | 3815.2               | -51.02          | -13              | -38.02                  | -72.58                  | -62.75                   | 0.87                       | 12.6                        | V                     |
|                             | 5722.8               | -47.48          | -13              | -34.48                  | -70.23                  | -59.51                   | 1.07                       | 13.1                        | V                     |
|                             | 7630.4               | -49.88          | -13              | -36.88                  | -74.79                  | -59.31                   | 1.87                       | 11.3                        | 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) |
| Lowest                      | 3424.8               | -51.70          | -13              | -38.70                  | -70.48                  | -63.45                   | 0.85                       | 12.60                       | H                     |
|                             | 5137.2               | -49.55          | -13              | -36.55                  | -72.84                  | -61.30                   | 0.95                       | 12.70                       | H                     |
|                             | 6849.6               | -50.89          | -13              | -37.89                  | -75.27                  | -61.41                   | 1.18                       | 11.70                       | H                     |
|                             | 3424.8               | -49.94          | -13              | -36.94                  | -71.03                  | -61.69                   | 0.85                       | 12.6                        | V                     |
|                             | 5137.2               | -53.36          | -13              | -40.36                  | -72.59                  | -65.11                   | 0.95                       | 12.7                        | V                     |
|                             | 6849.6               | -50.59          | -13              | -37.59                  | -74.9                   | -61.11                   | 1.18                       | 11.7                        | V                     |
| Middle                      | 3465.2               | -52.66          | -13              | -39.66                  | -71.44                  | -64.41                   | 0.85                       | 12.60                       | H                     |
|                             | 5197.8               | -48.92          | -13              | -35.92                  | -72.21                  | -60.67                   | 0.95                       | 12.70                       | H                     |
|                             | 6930.4               | -50.36          | -13              | -37.36                  | -74.74                  | -60.88                   | 1.18                       | 11.70                       | H                     |
|                             | 3465.2               | -49.90          | -13              | -36.90                  | -70.99                  | -61.65                   | 0.85                       | 12.6                        | V                     |
|                             | 5197.8               | -52.81          | -13              | -39.81                  | -72.04                  | -64.56                   | 0.95                       | 12.7                        | V                     |
|                             | 6930.4               | -50.60          | -13              | -37.60                  | -74.91                  | -61.12                   | 1.18                       | 11.7                        | V                     |
| Highest                     | 3505.2               | -52.15          | -13              | -39.15                  | -70.93                  | -63.90                   | 0.85                       | 12.60                       | H                     |
|                             | 5257.8               | -49.88          | -13              | -36.88                  | -73.17                  | -61.63                   | 0.95                       | 12.70                       | H                     |
|                             | 7010.4               | -50.70          | -13              | -37.70                  | -75.08                  | -61.22                   | 1.18                       | 11.70                       | H                     |
|                             | 3505.2               | -49.06          | -13              | -36.06                  | -70.15                  | -60.81                   | 0.85                       | 12.6                        | V                     |
|                             | 5257.8               | -53.73          | -13              | -40.73                  | -72.96                  | -65.48                   | 0.95                       | 12.7                        | V                     |
|                             | 7010.4               | -50.76          | -13              | -37.76                  | -75.07                  | -61.28                   | 1.18                       | 11.7                        | V                     |

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



## **Appendix C. Test Setup Photographs**