



# FCC RADIO TEST REPORT

FCC ID : A4RG013C  
Equipment : Smartphone  
Model Name : G013C  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was completed on Jul. 18, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

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### History of this test report

| Report No.   | Version | Description   | Issued Date   |
|--------------|---------|---|---------------|
| FG820502-02A | 01      | Initial issue of report                               | Jun. 27, 2018 |
| FG820502-02A | 02      | Revising test data in appendix a, b, and section 1.4. | Jul. 18, 2018 |
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### Summary of Test Result

| Report Clause | Ref Std. Clause                                     | Test Items                                   | Result (PASS/FAIL) | Remark                                    |
|---------------|---|--|--------------------|---|
| 3.2           | §2.1046   | Conducted Output Power                       | Pass               | -   |
|               | §22.913 (a)(2)                                      | Effective Radiated Power                     |                    |   |
|               | §24.232 (c)   | Equivalent Isotropic Radiated Power          |                    |   |
|               | §27.50 (d)(4)                                       | Equivalent Isotropic Radiated Power          |                    |   |
| 3.3           | §24.232 (d)   | Peak-to-Average Ratio                        | Pass               | -   |
| 3.4           | §2.1049<br>§22.917 (b)<br>§24.238 (b)<br>§27.53 (g) | Occupied Bandwidth                           | Pass               | -   |
| 3.5           | §2.1051<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (g) | Band Edge Measurement                        | Pass               | -   |
| 3.6           | §2.1051<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (g) | Conducted Emission                           | Pass               | -   |
| 3.7           | §2.1055<br>§22.355                                  | Frequency Stability<br>Temperature & Voltage | Pass               | -   |
|               | §2.1055<br>§24.235<br>§27.54                        |  |                    | -   |
| 4.4           | §2.1053<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (h) | Field Strength of Spurious Radiation         | Pass               | Under limit<br>6.54 dB at<br>2544.000 MHz |

Reviewed by: Joseph Lin

Report Producer: Yuping Lin



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |   |
|---------------------------------|---|
| Equipment                       | Smartphone  |
| Model Name                      | G013C   |
| FCC ID                          | A4RG013C  |
| EUT supports Radios application | CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/NFC/<br>GNSS/WPC<br>WLAN 11b/g/n HT20/VHT20<br>WLAN 11a/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE |
| EUT Stage                       | Identical Prototype   |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

| EUT Information List |           |
|----------------------|-----------|
| No.                  | S/N       |
| #1                   | 85LY009BE |
| #2                   | 85KY0092X |



## 1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification |  |
|---|--|
| <b>Tx Frequency</b>                     | <b>GSM/GPRS/EDGE:</b><br>850: 824.2 MHz ~ 848.8 MHz<br>1900: 1850.2 MHz ~ 1909.8 MHz<br><b>WCDMA:</b><br>Band V: 826.4 MHz ~ 846.6 MHz<br>Band II: 1852.4 MHz ~ 1907.6 MHz<br>Band IV: 1712.4 MHz ~ 1752.6 MHz<br><b>CDMA2000:</b><br>BC0: 824.70 MHz ~ 848.31 MHz<br>BC1: 1851.25 MHz ~ 1908.75 MHz |
| <b>Rx Frequency</b>                     | <b>GSM/GPRS/EDGE:</b><br>850: 869.2 MHz ~ 893.8 MHz<br>1900: 1930.2 MHz ~ 1989.8 MHz<br><b>WCDMA:</b><br>Band V: 871.4 MHz ~ 891.6 MHz<br>Band II: 1932.4 MHz ~ 1987.6 MHz<br>Band IV: 2112.4 MHz ~ 2152.6 MHz<br><b>CDMA2000:</b><br>BC0: 869.70 MHz ~ 893.31 MHz<br>BC1: 1931.25 MHz ~ 1988.75 MHz |
| <b>Maximum Output Power to Antenna</b>  | <b>GSM/GPRS/EDGE:</b><br>850: 32.26 dBm<br>1900: 29.28 dBm<br><b>WCDMA:</b><br>Band V: 23.89 dBm<br>Band II: 23.20 dBm<br>Band IV: 23.33 dBm<br><b>CDMA2000:</b><br>BC0: 24.45 dBm<br>BC1: 24.88 dBm   |

| Standards-related Product Specification |   |
|---|---|
| <b>Antenna Type / Gain</b>              | <p><b>&lt;For Main Antenna&gt;</b><br/>           Cellular Band:<br/>           integrated loop Antenna type with gain -1.60 dBi<br/>           PCS Band:<br/>           integrated loop Antenna type with gain 3.70 dBi<br/>           AWS Band:<br/>           integrated loop Antenna type with gain 3.70 dBi</p> <p><b>&lt;For Aux. Antenna&gt;</b><br/>           Cellular Band:<br/>           integrated monopole Antenna type with gain -3.00 dBi<br/>           PCS Band:<br/>           integrated monopole Antenna type with gain -0.50 dBi<br/>           AWS Band:<br/>           integrated monopole Antenna type with gain -0.50 dBi</p> |
| <b>Type of Modulation</b>               | GSM: GMSK<br>GPRS: GMSK<br>EDGE: GMSK / 8PSK<br>WCDMA: BPSK (Uplink)<br>HSDPA: 64QAM (Downlink)<br>HSUPA: QPSK (Uplink)<br>CDMA2000 1xRTT: QPSK<br>CDMA2000 1xEV-DO: QPSK/8PSK  |

### 1.3 Modification of EUT

No modifications are made to the EUT during all test items.



## 1.4 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

<For Main Antenna>

| FCC Rule | Frequency Range (MHz) | System                        | Type of Modulation | Maximum ERP/EIRP (W) | Frequency Tolerance (ppm) | Emission Designator |
|----------|-----------------------|-------------------------------|--------------------|----------------------|---------------------------|---------------------|
| Part 22  | 824.2 ~848.8          | GSM850<br>GPRS class 8        | GMSK               | 0.7096               | 0.0215 ppm                | 245KGXW             |
| Part 22  | 824.2 ~848.8          | GSM850<br>EDGE class 8        | 8PSK               | 0.2323               | 0.0048 ppm                | 251KG7W             |
| Part 22  | 826.4 ~846.6          | WCDMA Band V<br>RMC 12.2Kbps  | BPSK               | 0.1033               | 0.0179 ppm                | 4M13F9W             |
| Part 22  | 824.70 ~ 848.31       | CDMA2000 BC0<br>1xRTT         | QPSK               | 0.1140               | 0.0131 ppm                | 1M28F9W             |
| Part 22  | 824.70 ~ 848.31       | CDMA2000 BC0<br>1xEV-DO       | QPSK               | 0.1175               | 0.0131 ppm                | 1M28F9W             |
| Part 24  | 1850.2 ~1909.8        | GSM1900<br>GPRS class 8       | GMSK               | 1.9861               | 0.0117 ppm                | 241KGXW             |
| Part 24  | 1850.2 ~1909.8        | GSM1900<br>EDGE class 8       | 8PSK               | 0.9863               | 0.0027 ppm                | 255KG7W             |
| Part 24  | 1852.4 ~ 1907.6       | WCDMA Band II<br>RMC 12.2Kbps | BPSK               | 0.4898               | 0.0053 ppm                | 4M14F9W             |
| Part 24  | 1851.25 ~ 1908.75     | CDMA2000 BC1<br>1xRTT         | QPSK               | 0.7211               | 0.0149 ppm                | 1M28F9W             |
| Part 24  | 1851.25 ~ 1908.75     | CDMA2000 BC1<br>1xEV-DO       | QPSK               | 0.6839               | 0.0149 ppm                | 1M28F9W             |
| Part 27  | 1712.4 ~ 1752.6       | WCDMA Band IV<br>RMC 12.2Kbps | BPSK               | 0.5047               | 0.0058 ppm                | 4M14F9W             |





## &lt;For Aux. Antenna&gt;

| FCC Rule | Frequency Range (MHz) | System                        | Type of Modulation | Maximum ERP/EIRP (W) | Frequency Tolerance (ppm) | Emission Designator |
|----------|-----------------------|-------------------------------|--------------------|----------------------|---------------------------|---------------------|
| Part 22  | 824.2 ~848.8          | GSM850<br>GPRS class 8        | GMSK               | 0.5140               | -                         | -                   |
| Part 22  | 824.2 ~848.8          | GSM850<br>EDGE class 8        | 8PSK               | 0.1683               | -                         | -                   |
| Part 22  | 826.4 ~846.6          | WCDMA Band V<br>RMC 12.2Kbps  | BPSK               | 0.0748               | -                         | -                   |
| Part 22  | 824.70 ~ 848.31       | CDMA2000 BC0<br>1xRTT         | QPSK               | 0.0826               | -                         | -                   |
| Part 22  | 824.70 ~ 848.31       | CDMA2000 BC0<br>1xEV-DO       | QPSK               | 0.0851               | -                         | -                   |
| Part 24  | 1850.2 ~1909.8        | GSM1900<br>GPRS class 8       | GMSK               | 0.7551               | -                         | -                   |
| Part 24  | 1850.2 ~1909.8        | GSM1900<br>EDGE class 8       | 8PSK               | 0.3750               | -                         | -                   |
| Part 24  | 1852.4 ~ 1907.6       | WCDMA Band II<br>RMC 12.2Kbps | BPSK               | 0.1862               | -                         | -                   |
| Part 24  | 1851.25 ~ 1908.75     | CDMA2000 BC1<br>1xRTT         | QPSK               | 0.2742               | -                         | -                   |
| Part 24  | 1851.25 ~ 1908.75     | CDMA2000 BC1<br>1xEV-DO       | QPSK               | 0.2600               | -                         | -                   |
| Part 27  | 1712.4 ~ 1752.6       | WCDMA Band IV<br>RMC 12.2Kbps | BPSK               | 0.1919               | -                         | -                   |



### 1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

|                           |   |           |
|---------------------------|---|-----------|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC.  |           |
| <b>Test Site Location</b> | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |           |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>   |           |
|                           | TH03-HY   | 03CH07-HY |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

### 1.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ 47 CFR Part 2, 22(H), 24(E), 27(L)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane for Cellular Band and PCS Band, Y plane for AWS Band and Z plane for wpc charging mode ) were recorded in this report.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V and CDMA BC0.
2. 30 MHz to 18000 MHz for WCDMA Band IV.
3. 30 MHz to 19100 MHz for GSM1900 and WCDMA Band II and CDMA BC1.

All modes and data rates and positions were investigated.

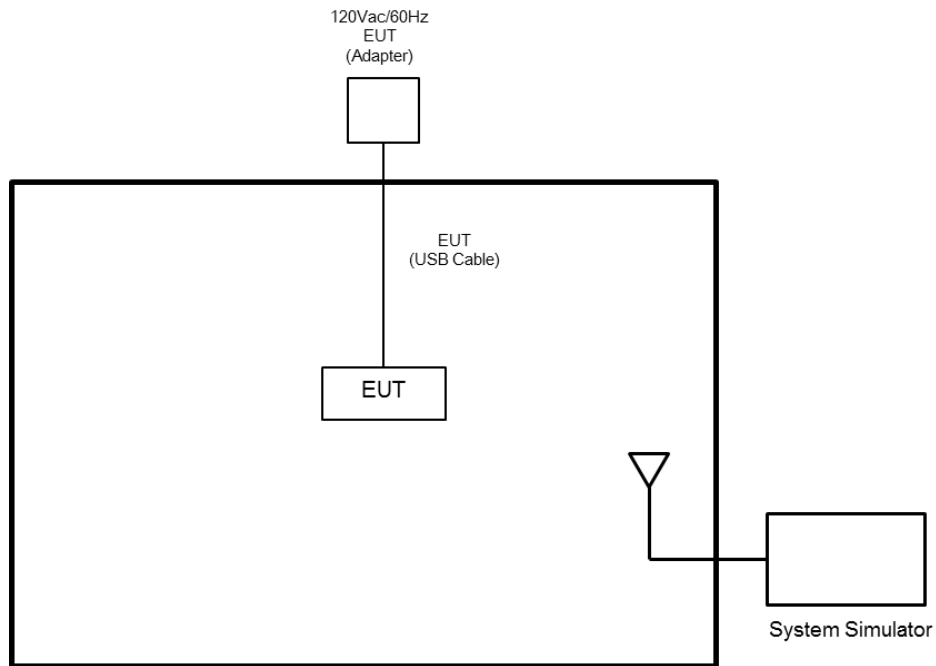
Test modes are chosen to be reported as the worst case configuration below:

| Test Modes    |   |   |
|---------------|---|---|
| Band          | Radiated TCs  | Conducted TCs   |
| GSM 850       | <ul style="list-style-type: none"> <li>■ GSM Link</li> <li>■ EDGE Class 8 Link</li> </ul>     | <ul style="list-style-type: none"> <li>■ GSM Link</li> <li>■ EDGE Class 8 Link</li> </ul>     |
| GSM 1900      | <ul style="list-style-type: none"> <li>■ GSM Link</li> <li>■ EDGE Class 8 Link</li> </ul>     | <ul style="list-style-type: none"> <li>■ GSM Link</li> <li>■ EDGE Class 8 Link</li> </ul>     |
| WCDMA Band V  | <ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>                         | <ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>                         |
| WCDMA Band II | <ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>                         | <ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>                         |
| WCDMA Band IV | <ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>                         | <ul style="list-style-type: none"> <li>■ RMC 12.2Kbps Link</li> </ul>                         |
| CDMA BC0      | <ul style="list-style-type: none"> <li>■ 1xRTT Link</li> <li>■ 1xEV-DO Rev. 0 Link</li> </ul> | <ul style="list-style-type: none"> <li>■ 1xRTT Link</li> <li>■ 1xEV-DO Rev. 0 Link</li> </ul> |
| CDMA BC1      | <ul style="list-style-type: none"> <li>■ 1xRTT Link</li> <li>■ 1xEV-DO Rev. 0 Link</li> </ul> | <ul style="list-style-type: none"> <li>■ 1xRTT Link</li> <li>■ 1xEV-DO Rev. 0 Link</li> </ul> |

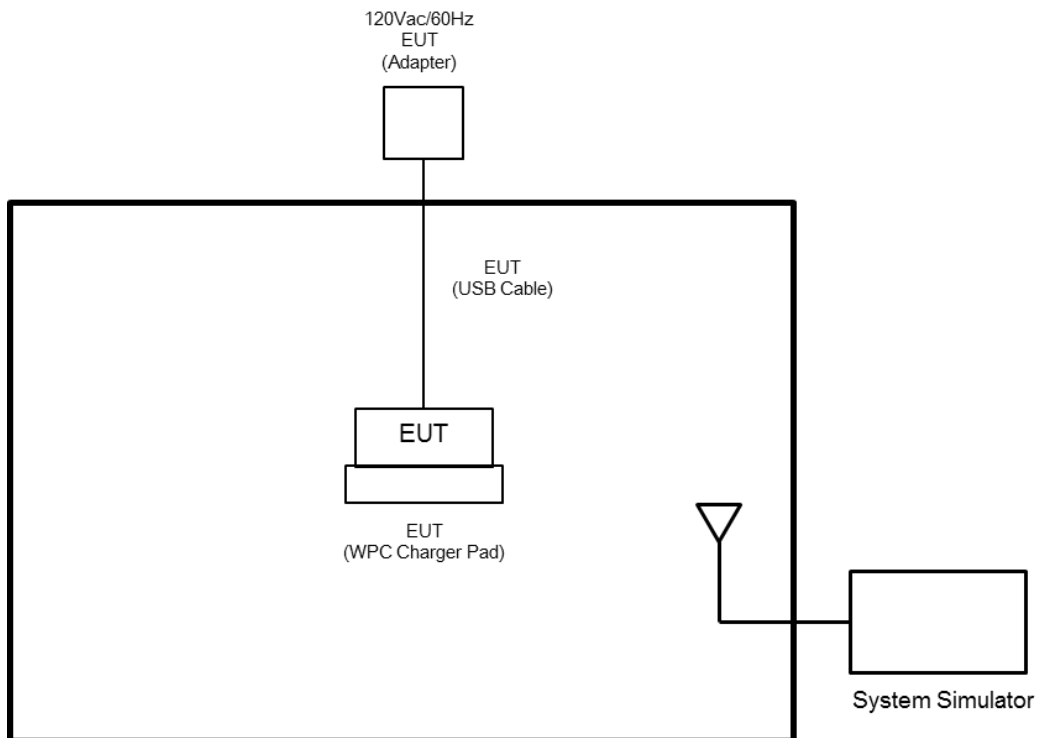
Remark: All the radiated test cases were performed with Adapter 1.

## 2.2 Connection Diagram of Test System

### <Radiated Test Mode>



### <For WPC Charging Mode>





### 2.3 Support Unit used in test configuration

| Item | Equipment        | Trade Name | Model No. | FCC ID | Data Cable | Power Cord        |
|------|------------------|------------|-----------|--------|------------|-------------------|
| 1.   | System Simulator | R&S        | CMU 200   | N/A    | N/A        | Unshielded, 1.8 m |

### 2.4 Measurement Results Explanation Example

**For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

The following shows an offset computation example with RF cable loss 4.2 dB and a 10dB attenuator.

Example:

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$

### 2.5 Frequency List of Low/Middle/High Channels

| Frequency List |                        |         |        |         |
|----------------|------------------------|---------|--------|---------|
| Band           | Channel/Frequency(MHz) | Lowest  | Middle | Highest |
| GSM850         | Channel                | 128     | 189    | 251     |
|                | Frequency              | 824.2   | 836.4  | 848.8   |
| WCDMA Band V   | Channel                | 4132    | 4182   | 4233    |
|                | Frequency              | 826.4   | 836.4  | 846.6   |
| GSM1900        | Channel                | 512     | 661    | 810     |
|                | Frequency              | 1850.2  | 1880.0 | 1909.8  |
| WCDMA Band II  | Channel                | 9262    | 9400   | 9538    |
|                | Frequency              | 1852.4  | 1880.0 | 1907.6  |
| WCDMA Band IV  | Channel                | 1312    | 1413   | 1513    |
|                | Frequency              | 1712.4  | 1732.6 | 1752.6  |
| CDMA2000 BC0   | Channel                | 1013    | 384    | 777     |
|                | Frequency              | 824.7   | 836.52 | 848.31  |
| CDMA2000 BC1   | Channel                | 25      | 600    | 1175    |
|                | Frequency              | 1851.25 | 1880.0 | 1908.75 |

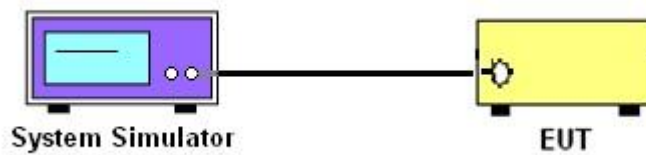
### 3 Conducted Test Result

#### 3.1 Measuring Instruments

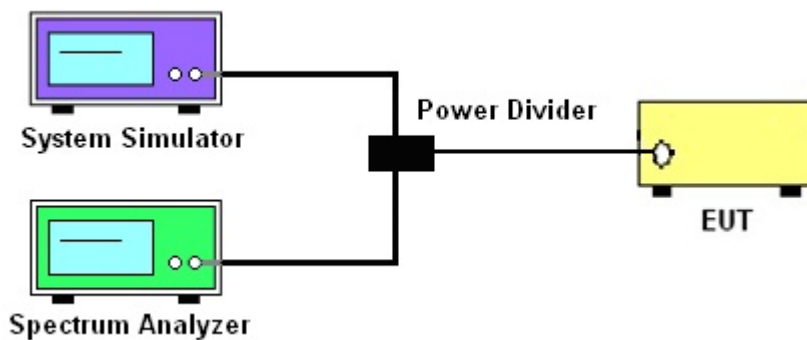
See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

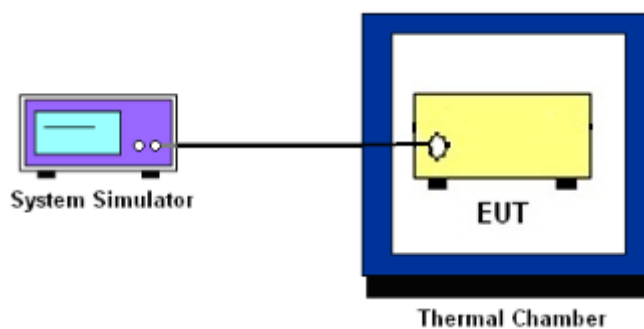
##### 3.1.2 Conducted Output Power



##### 3.1.3 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



##### 3.1.4 Frequency Stability



##### 3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



## 3.2 Conducted Output Power and ERP/EIRP

### 3.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for GSM850 and WCDMA Band V.

The EIRP of mobile transmitters must not exceed 2 Watts for GSM1900 and WCDMA Band II.

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

### 3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.



### **3.3 Peak-to-Average Ratio**

#### **3.3.1 Description of the PAR Measurement**

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

#### **3.3.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 5.7.1

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. Set EUT to transmit at maximum output power.
3. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.
4. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.
5. Record the maximum PAPR level associated with a probability of 0.1%.





### **3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement**

#### **3.4.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement**

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

#### **3.4.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 4.2

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.  
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



## **3.5 Conducted Band Edge**

### **3.5.1 Description of Conducted Band Edge Measurement**

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

### **3.5.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The band edges of low and high channels for the highest RF powers were measured.
4. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
5. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)



## **3.6 Conducted Spurious Emission**

### **3.6.1 Description of Conducted Spurious Emission Measurement**

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> harmonic.

### **3.6.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)



## **3.7 Frequency Stability**

### **3.7.1 Description of Frequency Stability Measurement**

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

### **3.7.2 Test Procedures for Temperature Variation**

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  steps up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

### **3.7.3 Test Procedures for Voltage Variation**

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

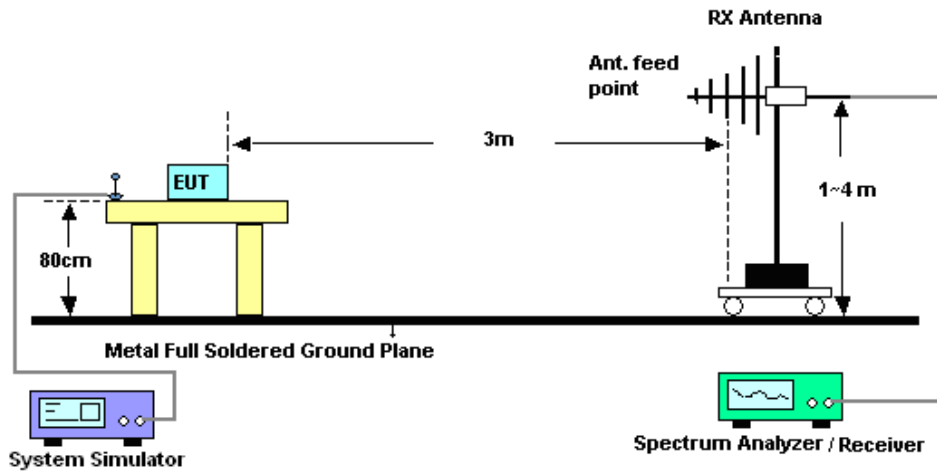
## 4 Radiated Test Items

### 4.1 Measuring Instruments

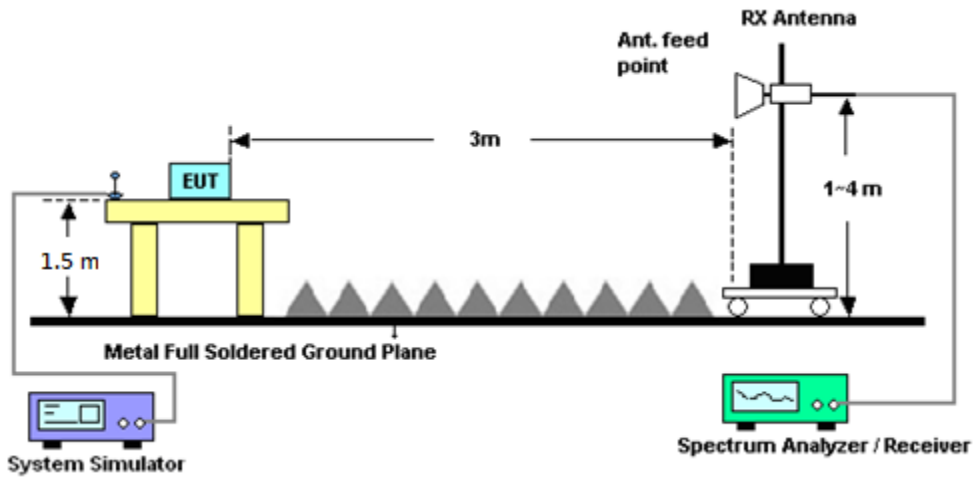
See list of measuring instruments of this test report.

### 4.2 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



### 4.3 Test Result of Radiated Test

Please refer to Appendix B.



## 4.4 Field Strength of Spurious Radiation Measurement

### 4.4.1 Description of Field Strength of Spurious Radiated Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 4.4.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz above the ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10.  $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11.  $ERP (dBm) = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)



## 5 List of Measuring Equipment

| Instrument                | Manufacturer    | Model No.                       | Serial No.       | Characteristics                 | Calibration Date | Test Date                       | Due Date      | Remark                |
|---------------------------|-----------------|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|---------------|-----------------------|
| Spectrum Analyzer         | Rohde & Schwarz | FSV40                           | 101397           | 10Hz~40GHz                      | Nov. 07, 2017    | Jun. 14, 2018~<br>Jul. 18, 2018 | Nov. 06, 2018 | Conducted (TH03-HY)   |
| Temperature Chamber       | ESPEC           | SU-641                          | 92013721         | -30°C ~70°C                     | Dec. 06, 2017    | Jun. 14, 2018~<br>Jul. 18, 2018 | Dec. 05, 2019 | Conducted (TH03-HY)   |
| Programmable Power Supply | GW Instek       | PSS-2005                        | EL883644         | Voltage:0~20V;<br>Current:0~5A  | Dec. 06, 2017    | Jun. 14, 2018~<br>Jul. 18, 2018 | Dec. 05, 2019 | Conducted (TH03-HY)   |
| Base Station (Measure)    | Rohde & Schwarz | CMU200                          | 117995           | GSM / GPRS /<br>WCDMA /<br>CDMA | Aug. 09, 2017    | Jun. 14, 2018~<br>Jul. 18, 2018 | Aug. 08, 2018 | Conducted (TH03-HY)   |
| Hygrometer                | Testo           | 608-H1                          | 34893241         | N/A                             | Mar. 06, 2018    | Jun. 14, 2018~<br>Jul. 18, 2018 | Mar. 05, 2019 | Conducted (TH03-HY)   |
| Bilog Antenna             | TESEQ           | CBL<br>6111D&0080<br>0N1D01N-06 | 35419&03         | 30MHz to 1GHz                   | Dec. 18, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Dec. 17, 2018 | Radiation (03CH07-HY) |
| Double Ridge Horn Antenna | ESCO            | 3117                            | 00075962         | 1GHz ~ 18GHz                    | Aug. 23, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Aug. 22, 2018 | Radiation (03CH07-HY) |
| Preamplifier              | COM-POWER       | PA-103A                         | 161241           | 10MHz-1GHz                      | May 21, 2018     | Jun. 07, 2018~<br>Jun. 11, 2018 | May 20, 2019  | Radiation (03CH07-HY) |
| Preamplifier              | Agilent         | 8449B                           | 3008A02362       | 1GHz~ 26.5GHz                   | Oct. 30, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Oct. 29, 2018 | Radiation (03CH07-HY) |
| Preamplifier              | EMEC            | EM18G40G                        | 060715           | 18GHz ~ 40GHz                   | Dec. 05, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Dec. 04, 2018 | Radiation (03CH07-HY) |
| Spectrum Analyzer         | Agilent         | N9010A                          | MY53470118       | 10Hz~44GHz                      | Apr. 17, 2018    | Jun. 07, 2018~<br>Jun. 11, 2018 | Apr. 16, 2019 | Radiation (03CH07-HY) |
| Controller                | ChainTek        | Chaintek<br>3000                | N/A              | Control Turn<br>table           | N/A              | Jun. 07, 2018~<br>Jun. 11, 2018 | N/A           | Radiation (03CH07-HY) |
| Controller                | Max-Full        | MF7802                          | MF78020836<br>8  | Control Ant<br>Mast             | N/A              | Jun. 07, 2018~<br>Jun. 11, 2018 | N/A           | Radiation (03CH07-HY) |
| Antenna Mast              | Max-Full        | MFA520BS                        | N/A              | 1m~4m                           | N/A              | Jun. 07, 2018~<br>Jun. 11, 2018 | N/A           | Radiation (03CH07-HY) |
| Turn Table                | ChainTek        | Chaintek<br>3000                | N/A              | 0~360 Degree                    | N/A              | Jun. 07, 2018~<br>Jun. 11, 2018 | N/A           | Radiation (03CH07-HY) |
| Signal Generator          | Anritsu         | MG3694C                         | 163401           | 0.1Hz~40GHz                     | Jan. 15, 2018    | Jun. 07, 2018~<br>Jun. 11, 2018 | Jan. 14, 2019 | Radiation (03CH07-HY) |
| SHF-EHF Horn Antenna      | SCHWARZBE<br>CK | BBHA 9170                       | BBHA917058<br>4  | 18GHz- 40GHz                    | Nov. 27, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Nov. 26, 2018 | Radiation (03CH07-HY) |
| Horn Antenna              | ESCO            | 3117                            | 00066584         | 1GHz~18GHz                      | Sep. 06, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Sep. 05, 2018 | Radiation (03CH07-HY) |
| Software                  | Audix           | E3 6.2009-8<br>-24              | 8050400465<br>6H | N/A                             | N/A              | Jun. 07, 2018~<br>Jun. 11, 2018 | N/A           | Radiation (03CH07-HY) |



| Instrument | Manufacturer      | Model No.       | Serial No.                            | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                   |
|------------|-------------------|-----------------|---------------------------------------|-----------------|------------------|---------------------------------|---------------|--------------------------|
| Filter     | Wainwright        | WLKS1200-8SS    | SN3                                   | 1.2G Low Pass   | Nov. 21, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Nov. 20, 2018 | Radiation<br>(03CH07-HY) |
| Filter     | Microwave         | H3G018G1        | SN477220                              | 3.0G High Pass  | Nov. 21, 2017    | Jun. 07, 2018~<br>Jun. 11, 2018 | Nov. 20, 2018 | Radiation<br>(03CH07-HY) |
| RF Cable   | HUBER +<br>SUHNER | SUCOFLEX<br>104 | MY24971/4,<br>MY28655/4               | 9KHz~30MHz      | Jan. 02, 2018    | Jun. 07, 2018~<br>Jun. 11, 2018 | Jan. 01, 2019 | Radiation<br>(03CH07-HY) |
| RF Cable   | HUBER +<br>SUHNER | SUCOFLEX<br>104 | MY28655/4,<br>MY24971/4,<br>MY15682/4 | 30MHz~1GHz      | Feb. 27, 2018    | Jun. 07, 2018~<br>Jun. 11, 2018 | Feb. 26, 2019 | Radiation<br>(03CH07-HY) |
| RF Cable   | HUBER +<br>SUHNER | SUCOFLEX<br>104 | MY28655/4,<br>MY24971/4,<br>MY15682/4 | 1GHz~18GHz      | Feb. 27, 2018    | Jun. 07, 2018~<br>Jun. 11, 2018 | Feb. 26, 2019 | Radiation<br>(03CH07-HY) |
| RF Cable   | HUBER +<br>SUHNER | SUCOFLEX<br>102 | MY2858/2                              | 1G~40GHz        | Jan. 02, 2018    | Jun. 07, 2018~<br>Jun. 11, 2018 | Jan. 01, 2019 | Radiation<br>(03CH07-HY) |





## 6 Uncertainty of Evaluation

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.05 |
|---|------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.44 |
|---|------|

### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

|   |      |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.95 |
|---|------|



## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power)

| Conducted Power (*Unit: dBm) |              |       |       |              |       |        |
|------------------------------|--------------|-------|-------|--------------|-------|--------|
| Band                         | GSM850       |       |       | GSM1900      |       |        |
| Channel                      | 128          | 189   | 251   | 512          | 661   | 810    |
| Frequency                    | 824.2        | 836.4 | 848.8 | 1850.2       | 1880  | 1909.8 |
| GSM                          | <b>32.26</b> | 32.18 | 32.20 | <b>29.28</b> | 29.16 | 29.26  |
| GPRS class 8                 | 32.25        | 32.16 | 32.19 | 29.26        | 29.17 | 29.27  |
| GPRS class 10                | 28.70        | 28.45 | 28.40 | 26.48        | 26.41 | 26.33  |
| GPRS class 11                | 27.49        | 26.99 | 26.75 | 26.27        | 26.21 | 26.12  |
| GPRS class 12                | 27.75        | 27.74 | 27.80 | 24.32        | 24.22 | 24.18  |
| EGPRS class 8                | <b>27.41</b> | 27.36 | 27.34 | <b>26.24</b> | 26.15 | 26.05  |
| EGPRS class 10               | 24.27        | 24.31 | 24.34 | 24.29        | 24.26 | 24.13  |
| EGPRS class 11               | 23.52        | 23.52 | 23.43 | 22.49        | 22.46 | 22.31  |
| EGPRS class 12               | 23.50        | 23.37 | 23.29 | 21.39        | 21.36 | 21.24  |

| Conducted Power (*Unit: dBm) |              |       |       |               |       |        |
|------------------------------|--------------|-------|-------|---------------|-------|--------|
| Band                         | WCDMA Band V |       |       | WCDMA Band II |       |        |
| Channel                      | 4132         | 4182  | 4233  | 9262          | 9400  | 9538   |
| Frequency                    | 826.4        | 836.4 | 846.6 | 1852.4        | 1880  | 1907.6 |
| RMC 12.2K                    | <b>23.89</b> | 23.75 | 23.83 | <b>23.20</b>  | 23.06 | 23.05  |
| HSDPA Subtest-1              | 22.92        | 22.77 | 22.71 | 22.16         | 22.07 | 22.07  |
| HSDPA Subtest-2              | 22.91        | 22.80 | 22.77 | 22.21         | 22.14 | 22.06  |
| HSDPA Subtest-3              | 22.45        | 22.31 | 22.27 | 21.75         | 21.60 | 21.57  |
| HSDPA Subtest-4              | 22.45        | 22.27 | 22.26 | 21.67         | 21.63 | 21.59  |
| HSUPA Subtest-1              | 22.81        | 22.72 | 22.69 | 22.15         | 22.05 | 22.02  |
| HSUPA Subtest-2              | 20.87        | 20.67 | 20.71 | 20.09         | 20.10 | 20.03  |
| HSUPA Subtest-3              | 21.91        | 21.77 | 21.69 | 21.15         | 21.04 | 21.02  |
| HSUPA Subtest-4              | 20.94        | 20.59 | 20.71 | 20.15         | 20.07 | 20.05  |
| HSUPA Subtest-5              | 22.90        | 22.80 | 22.60 | 22.20         | 22.10 | 22.05  |



| Conducted Power (*Unit: dBm) |               |        |        |
|------------------------------|---------------|--------|--------|
| Band                         | WCDMA Band IV |        |        |
| Channel                      | 1312          | 1413   | 1513   |
| Frequency                    | 1712.4        | 1732.6 | 1752.6 |
| RMC 12.2K                    | <b>23.33</b>  | 23.23  | 23.25  |
| HSDPA Subtest-1              | 22.31         | 22.22  | 22.15  |
| HSDPA Subtest-2              | 22.30         | 22.27  | 22.10  |
| HSDPA Subtest-3              | 21.82         | 21.71  | 21.61  |
| HSDPA Subtest-4              | 21.80         | 21.68  | 21.56  |
| HSUPA Subtest-1              | 22.25         | 22.22  | 22.19  |
| HSUPA Subtest-2              | 20.30         | 20.20  | 20.18  |
| HSUPA Subtest-3              | 21.28         | 21.20  | 21.20  |
| HSUPA Subtest-4              | 20.25         | 20.22  | 20.22  |
| HSUPA Subtest-5              | 22.30         | 22.20  | 22.11  |

| Conducted Power (*Unit: dBm) |               |              |        |               |              |         |
|------------------------------|---------------|--------------|--------|---------------|--------------|---------|
| Band                         | CDMA 2000 BC0 |              |        | CDMA 2000 BC1 |              |         |
| Channel                      | 1013          | 384          | 777    | 25            | 600          | 1175    |
| Frequency                    | 824.7         | 836.52       | 848.31 | 1851.25       | 1880         | 1908.75 |
| 1xRTT RC1 SO55               | 24.31         | <b>24.32</b> | 24.26  | 24.76         | 24.56        | 24.57   |
| 1xRTT RC3 SO55               | 24.30         | 24.26        | 24.26  | 24.68         | 24.47        | 24.40   |
| 1xRTT RC3 SO32 (+ F-SCH)     | 24.31         | 24.26        | 24.26  | <b>24.88</b>  | 24.66        | 24.64   |
| 1xRTT RC3 SO32 (+SCH)        | 24.29         | 24.23        | 24.25  | 24.70         | 24.45        | 24.38   |
| 1xEVDO RTAP 153.6Kbps        | <b>24.45</b>  | 24.36        | 24.36  | 24.62         | <b>24.65</b> | 24.52   |
| 1xEVDO RETAP 4096Bits        | 24.44         | 24.35        | 24.35  | 24.49         | 24.20        | 24.16   |

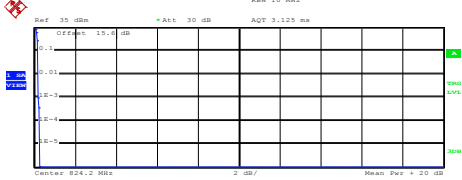
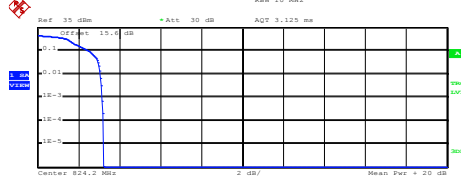
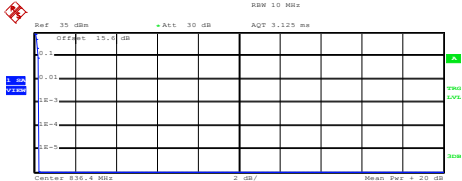
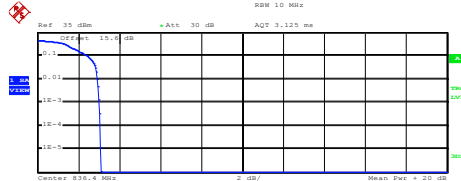
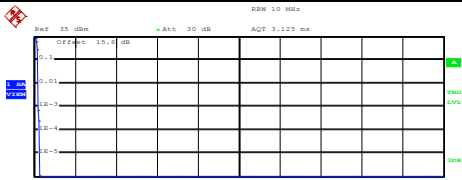
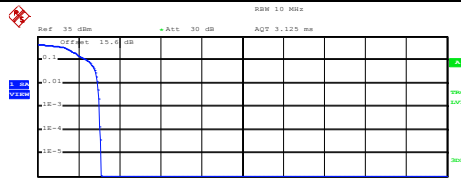


## A2. GSM

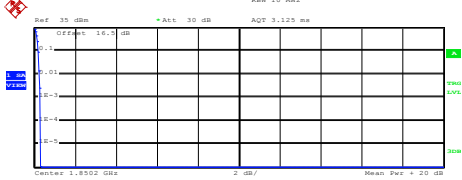
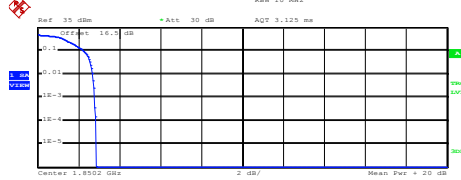
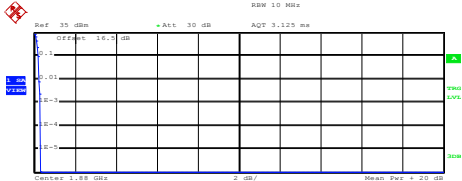
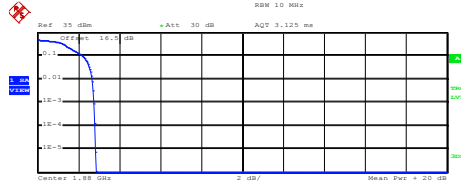
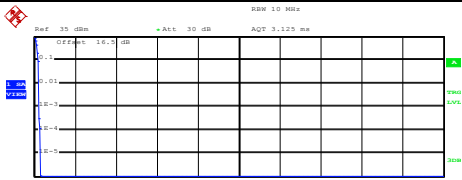
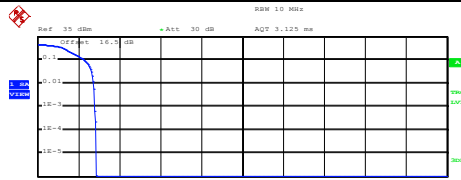
### Peak-to-Average Ratio

| Mode       | GSM850  |              | Limit: 13dB |
|------------|---------|--------------|-------------|
| Mod.       | GSM     | EDGE class 8 | Result      |
| Lowest CH  | 0.20    | 3.16         | PASS        |
| Middle CH  | 0.24    | 3.00         |             |
| Highest CH | 0.20    | 3.04         |             |
| Mode       | GSM1900 |              | Limit: 13dB |
| Mod.       | GSM     | EDGE class 8 | Result      |
| Lowest CH  | 0.32    | 2.80         | PASS        |
| Middle CH  | 0.32    | 2.76         |             |
| Highest CH | 0.24    | 2.80         |             |



| GSM850 (GSM)   | GSM850 (EDGE class 8) |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
|--|-----------------------|---------|-----|---------|------|---------|-------|---------|---|------|---------|-----|---------|------|---------|-------|---------|
| <p align="center"><b>Lowest Channel</b></p>  <p>Center 824.2 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 30.90 dBm<br/>Peak 31.16 dBm<br/>Crest 0.26 dB</p> <table border="1"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.20 dB</td></tr> <tr><td>.1 %</td><td>0.20 dB</td></tr> <tr><td>.01 %</td><td>0.28 dB</td></tr> </table> <p>Date: 14.JUN.2018 17:35:37</p>    | 10 %                  | 0.20 dB | 1 % | 0.20 dB | .1 % | 0.20 dB | .01 % | 0.28 dB | <p align="center"><b>Lowest Channel</b></p>  <p>Center 824.2 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 25.13 dBm<br/>Peak 28.34 dBm<br/>Crest 3.21 dB</p> <table border="1"> <tr><td>10 %</td><td>2.52 dB</td></tr> <tr><td>1 %</td><td>3.08 dB</td></tr> <tr><td>.1 %</td><td>3.16 dB</td></tr> <tr><td>.01 %</td><td>3.24 dB</td></tr> </table> <p>Date: 14.JUN.2018 18:59:48</p>    | 10 % | 2.52 dB | 1 % | 3.08 dB | .1 % | 3.16 dB | .01 % | 3.24 dB |
| 10 %   | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %  | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %   | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %  | 0.28 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 10 %   | 2.52 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %  | 3.08 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %   | 3.16 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %  | 3.24 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| <p align="center"><b>Middle Channel</b></p>  <p>Center 836.4 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 30.94 dBm<br/>Peak 31.16 dBm<br/>Crest 0.22 dB</p> <table border="1"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.24 dB</td></tr> <tr><td>.1 %</td><td>0.24 dB</td></tr> <tr><td>.01 %</td><td>0.24 dB</td></tr> </table> <p>Date: 14.JUN.2018 17:35:52</p>   | 10 %                  | 0.20 dB | 1 % | 0.24 dB | .1 % | 0.24 dB | .01 % | 0.24 dB | <p align="center"><b>Middle Channel</b></p>  <p>Center 836.4 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 25.22 dBm<br/>Peak 28.34 dBm<br/>Crest 3.12 dB</p> <table border="1"> <tr><td>10 %</td><td>2.44 dB</td></tr> <tr><td>1 %</td><td>2.92 dB</td></tr> <tr><td>.1 %</td><td>3.00 dB</td></tr> <tr><td>.01 %</td><td>3.08 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:00:29</p>   | 10 % | 2.44 dB | 1 % | 2.92 dB | .1 % | 3.00 dB | .01 % | 3.08 dB |
| 10 %   | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %  | 0.24 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %   | 0.24 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %  | 0.24 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 10 %   | 2.44 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %  | 2.92 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %   | 3.00 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %  | 3.08 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| <p align="center"><b>Highest Channel</b></p>  <p>Center 848.8 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 30.97 dBm<br/>Peak 31.23 dBm<br/>Crest 0.26 dB</p> <table border="1"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.20 dB</td></tr> <tr><td>.1 %</td><td>0.20 dB</td></tr> <tr><td>.01 %</td><td>0.28 dB</td></tr> </table> <p>Date: 14.JUN.2018 17:36:08</p> | 10 %                  | 0.20 dB | 1 % | 0.20 dB | .1 % | 0.20 dB | .01 % | 0.28 dB | <p align="center"><b>Highest Channel</b></p>  <p>Center 848.8 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 25.25 dBm<br/>Peak 28.34 dBm<br/>Crest 3.09 dB</p> <table border="1"> <tr><td>10 %</td><td>2.44 dB</td></tr> <tr><td>1 %</td><td>2.92 dB</td></tr> <tr><td>.1 %</td><td>3.04 dB</td></tr> <tr><td>.01 %</td><td>3.04 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:00:53</p> | 10 % | 2.44 dB | 1 % | 2.92 dB | .1 % | 3.04 dB | .01 % | 3.04 dB |
| 10 %   | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %  | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %   | 0.20 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %  | 0.28 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 10 %   | 2.44 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %  | 2.92 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %   | 3.04 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %  | 3.04 dB               |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |



| GSM1900 (GSM)   | GSM1900 (EDGE class 8) |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
|---|------------------------|---------|-----|---------|------|---------|-------|---------|--|------|---------|-----|---------|------|---------|-------|---------|
| <p align="center"><b>Lowest Channel</b></p>  <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 27.77 dBm<br/>Peak 28.06 dBm<br/>Crest 0.29 dB</p> <table border="1"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.24 dB</td></tr> <tr><td>.1 %</td><td>0.32 dB</td></tr> <tr><td>.01 %</td><td>0.32 dB</td></tr> </table> <p>Date: 14.JUN.2018 17:15:31</p>    | 10 %                   | 0.20 dB | 1 % | 0.24 dB | .1 % | 0.32 dB | .01 % | 0.32 dB | <p align="center"><b>Lowest Channel</b></p>  <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.36 dBm<br/>Peak 26.22 dBm<br/>Crest 2.86 dB</p> <table border="1"> <tr><td>10 %</td><td>2.24 dB</td></tr> <tr><td>1 %</td><td>2.68 dB</td></tr> <tr><td>.1 %</td><td>2.80 dB</td></tr> <tr><td>.01 %</td><td>2.84 dB</td></tr> </table> <p>Date: 14.JUN.2018 18:00:36</p>    | 10 % | 2.24 dB | 1 % | 2.68 dB | .1 % | 2.80 dB | .01 % | 2.84 dB |
| 10 %  | 0.20 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %   | 0.24 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %  | 0.32 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %   | 0.32 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %  | 2.24 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %   | 2.68 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %  | 2.80 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %   | 2.84 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| <p align="center"><b>Middle Channel</b></p>  <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 27.62 dBm<br/>Peak 27.92 dBm<br/>Crest 0.30 dB</p> <table border="1"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.24 dB</td></tr> <tr><td>.1 %</td><td>0.32 dB</td></tr> <tr><td>.01 %</td><td>0.32 dB</td></tr> </table> <p>Date: 14.JUN.2018 17:15:48</p>   | 10 %                   | 0.20 dB | 1 % | 0.24 dB | .1 % | 0.32 dB | .01 % | 0.32 dB | <p align="center"><b>Middle Channel</b></p>  <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.24 dBm<br/>Peak 26.08 dBm<br/>Crest 2.84 dB</p> <table border="1"> <tr><td>10 %</td><td>2.20 dB</td></tr> <tr><td>1 %</td><td>2.68 dB</td></tr> <tr><td>.1 %</td><td>2.76 dB</td></tr> <tr><td>.01 %</td><td>2.80 dB</td></tr> </table> <p>Date: 14.JUN.2018 18:00:52</p>   | 10 % | 2.20 dB | 1 % | 2.68 dB | .1 % | 2.76 dB | .01 % | 2.80 dB |
| 10 %  | 0.20 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %   | 0.24 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %  | 0.32 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %   | 0.32 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %  | 2.20 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %   | 2.68 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %  | 2.76 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %   | 2.80 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| <p align="center"><b>Highest Channel</b></p>  <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 27.47 dBm<br/>Peak 27.77 dBm<br/>Crest 0.30 dB</p> <table border="1"> <tr><td>10 %</td><td>0.20 dB</td></tr> <tr><td>1 %</td><td>0.24 dB</td></tr> <tr><td>.1 %</td><td>0.24 dB</td></tr> <tr><td>.01 %</td><td>0.28 dB</td></tr> </table> <p>Date: 14.JUN.2018 17:16:04</p> | 10 %                   | 0.20 dB | 1 % | 0.24 dB | .1 % | 0.24 dB | .01 % | 0.28 dB | <p align="center"><b>Highest Channel</b></p>  <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.00 dBm<br/>Peak 25.87 dBm<br/>Crest 2.87 dB</p> <table border="1"> <tr><td>10 %</td><td>2.28 dB</td></tr> <tr><td>1 %</td><td>2.72 dB</td></tr> <tr><td>.1 %</td><td>2.80 dB</td></tr> <tr><td>.01 %</td><td>2.88 dB</td></tr> </table> <p>Date: 14.JUN.2018 18:01:08</p> | 10 % | 2.28 dB | 1 % | 2.72 dB | .1 % | 2.80 dB | .01 % | 2.88 dB |
| 10 %  | 0.20 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %   | 0.24 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %  | 0.24 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %   | 0.28 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %  | 2.28 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %   | 2.72 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %  | 2.80 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %   | 2.88 dB                |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |



**26dB Bandwidth**

| Mode       | GSM850 : 26dB BW(MHz) |              |
|------------|-----------------------|--------------|
| Mod.       | GSM                   | EDGE class 8 |
| Lowest CH  | 0.292                 | 0.295        |
| Middle CH  | 0.285                 | 0.309        |
| Highest CH | 0.300                 | 0.311        |

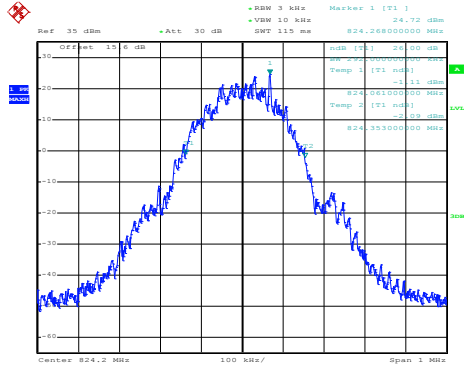
  

| Mode       | GSM1900 : 26dB BW(MHz) |              |
|------------|------------------------|--------------|
| Mod.       | GSM                    | EDGE class 8 |
| Lowest CH  | 0.300                  | 0.318        |
| Middle CH  | 0.279                  | 0.307        |
| Highest CH | 0.306                  | 0.316        |



GSM850 (GSM)

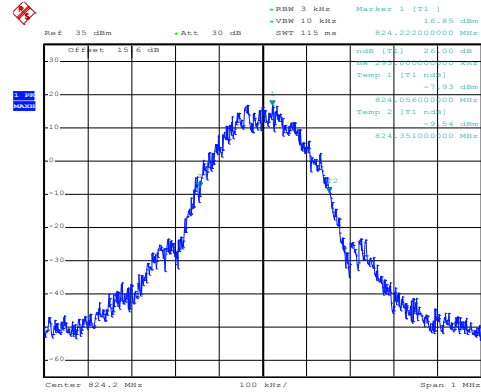
Lowest Channel



Date: 14.JUN.2018 17:32:23

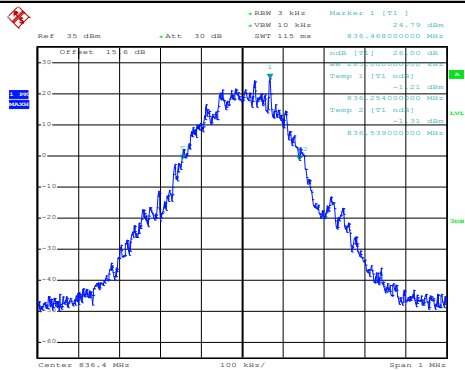
GSM850 (EDGE class 8)

Lowest Channel



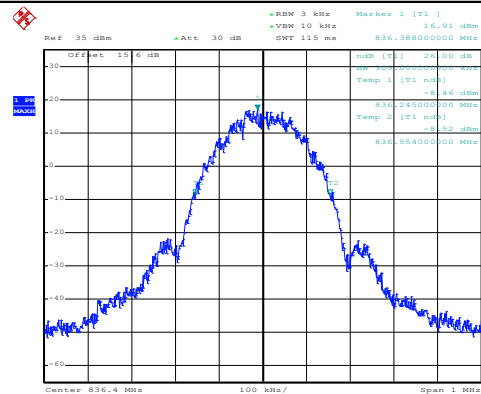
Date: 14.JUN.2018 18:50:23

Middle Channel



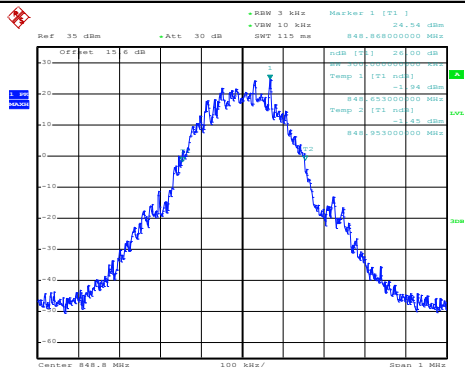
Date: 14.JUN.2018 17:32:55

Middle Channel



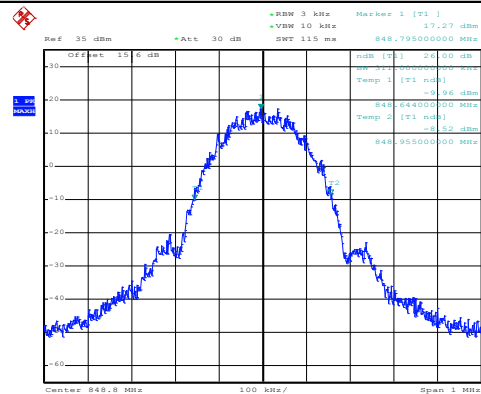
Date: 14.JUN.2018 18:51:58

Highest Channel



Date: 14.JUN.2018 17:33:28

Highest Channel



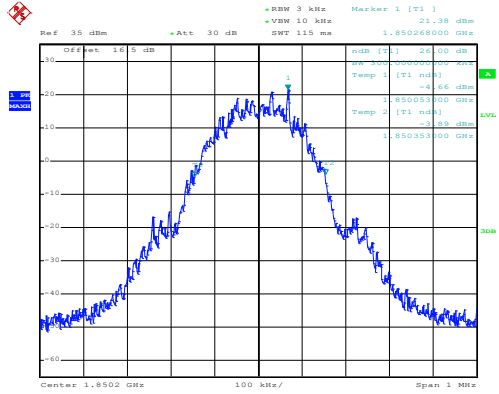
Date: 14.JUN.2018 18:52:33





GSM1900 (GSM)

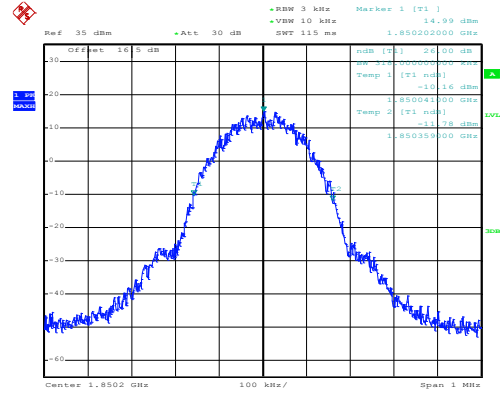
Lowest Channel



Date: 14.JUN.2018 17:09:05

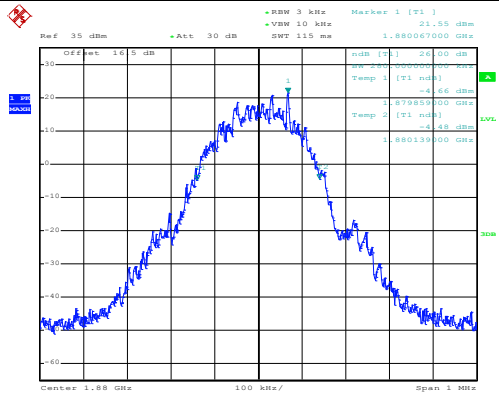
GSM1900 (EDGE class 8)

Lowest Channel



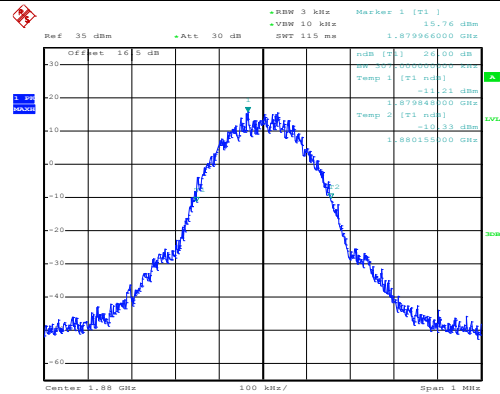
Date: 14.JUN.2018 17:52:48

Middle Channel



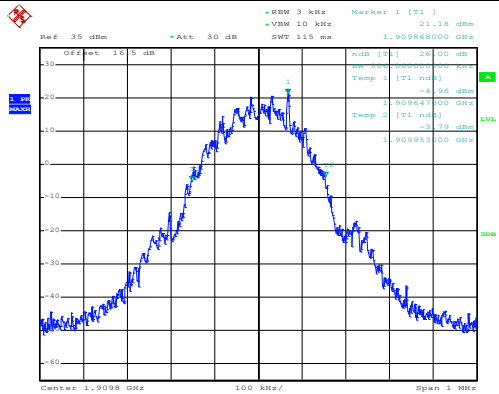
Date: 14.JUN.2018 17:09:38

Middle Channel



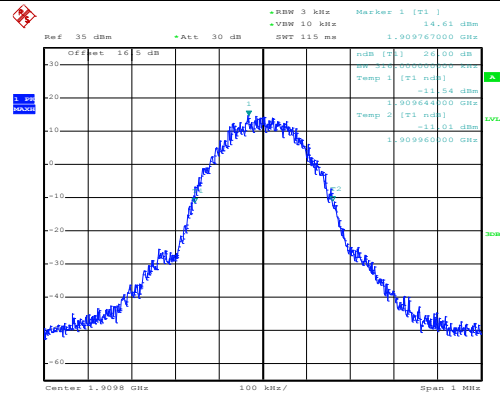
Date: 14.JUN.2018 17:53:26

Highest Channel



Date: 14.JUN.2018 17:10:10

Highest Channel



Date: 14.JUN.2018 17:54:02



**Occupied Bandwidth**

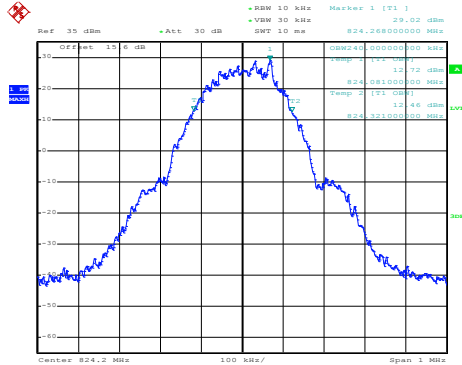
| Mode       | GSM850 : 99% OBW(MHz) |              |
|------------|-----------------------|--------------|
| Mod.       | GSM                   | EDGE class 8 |
| Lowest CH  | 0.240                 | 0.245        |
| Middle CH  | 0.240                 | 0.249        |
| Highest CH | 0.245                 | 0.251        |

| Mode       | GSM1900 : 99% OBW(MHz) |              |
|------------|------------------------|--------------|
| Mod.       | GSM                    | EDGE class 8 |
| Lowest CH  | 0.241                  | 0.252        |
| Middle CH  | 0.241                  | 0.250        |
| Highest CH | 0.239                  | 0.255        |



GSM850 (GSM)

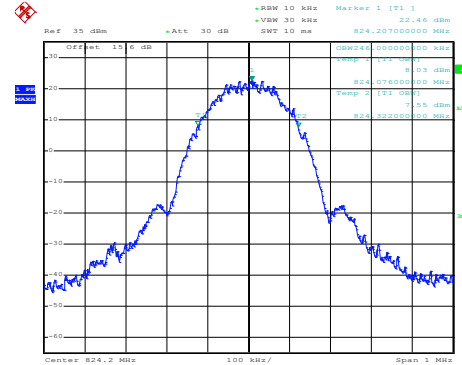
Lowest Channel



Date: 14.JUN.2018 17:34:07

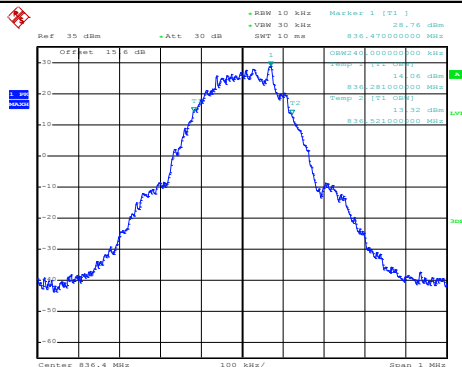
GSM850 (EDGE class 8)

Lowest Channel



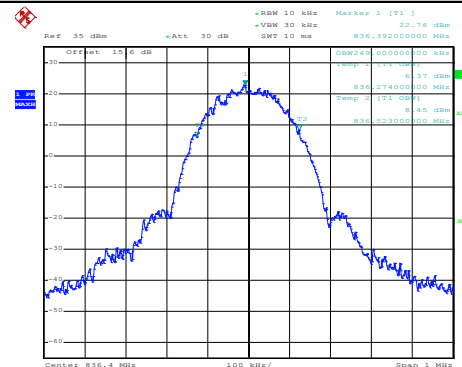
Date: 14.JUN.2018 18:57:55

Middle Channel



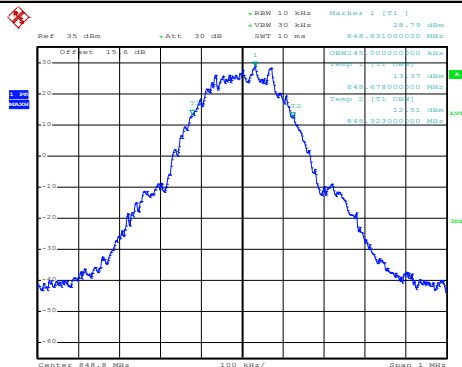
Date: 14.JUN.2018 17:34:39

Middle Channel



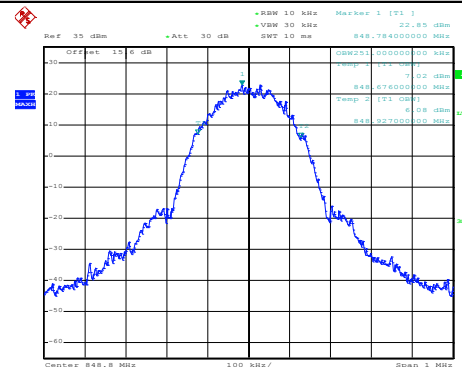
Date: 14.JUN.2018 18:58:34

Highest Channel



Date: 14.JUN.2018 17:35:11

Highest Channel



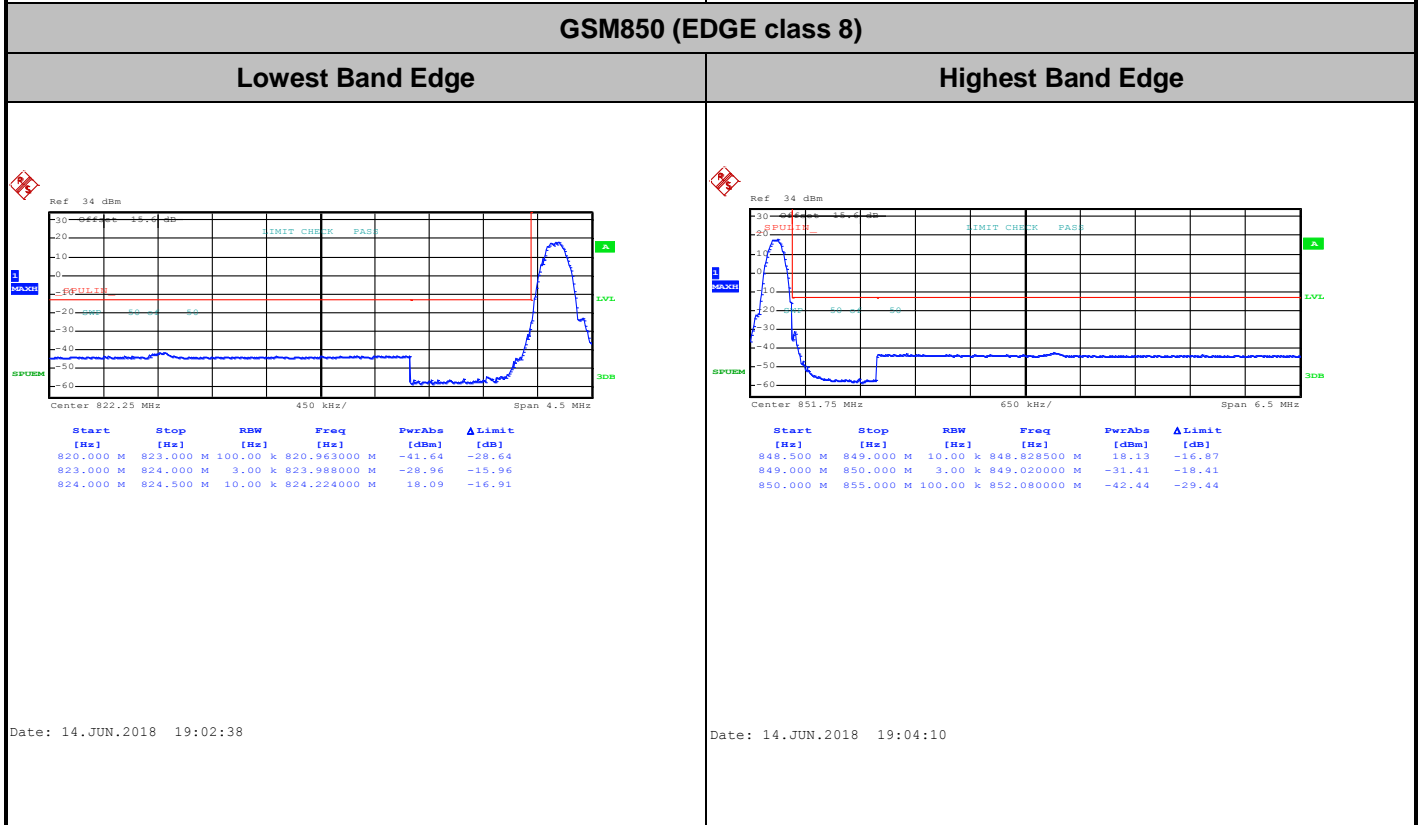
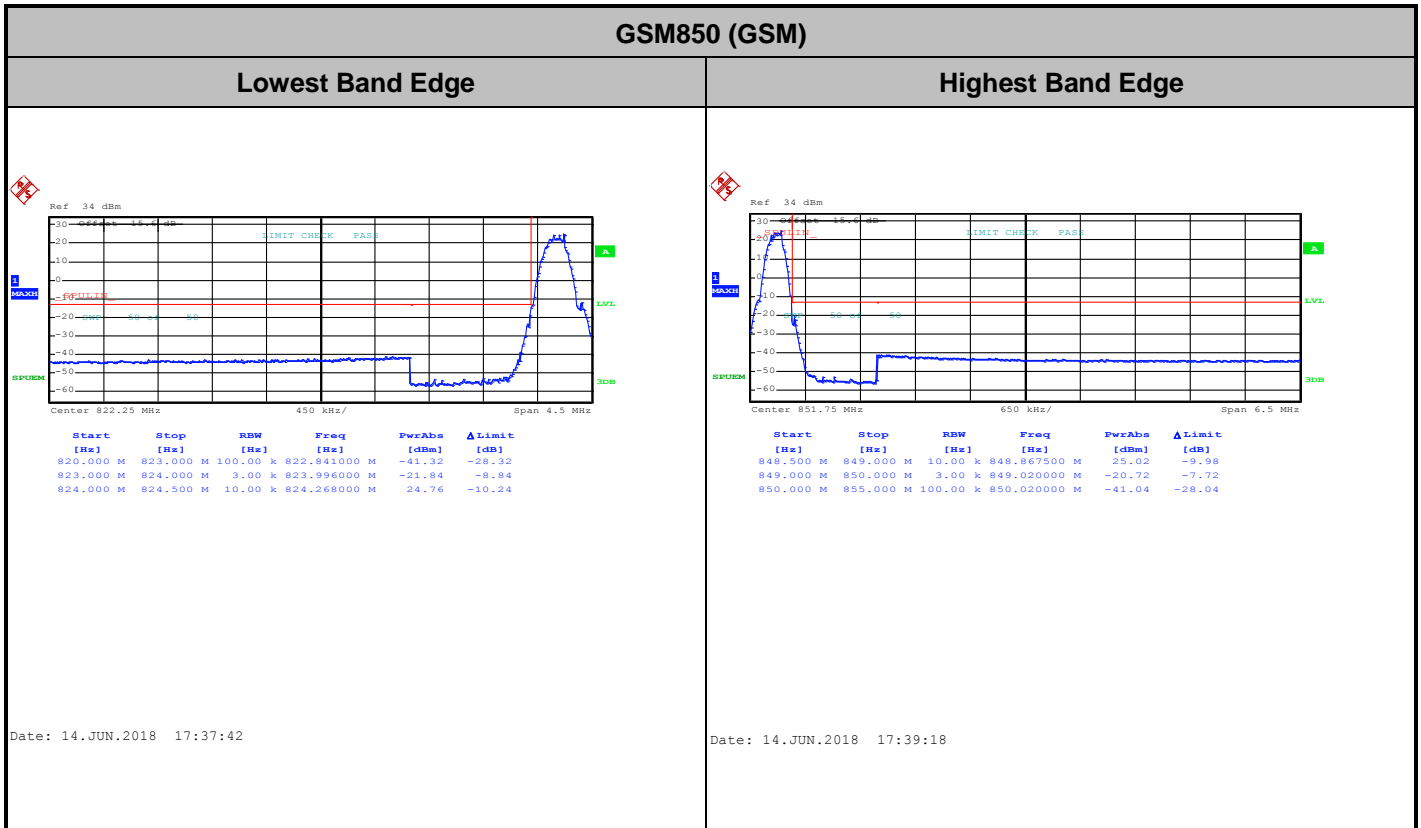
Date: 14.JUN.2018 18:59:10



| GSM1900 (GSM)   | GSM1900 (EDGE class 8)  |
|---|---|
| <p align="center"><b>Lowest Channel</b></p> <p align="center">Date: 14.JUN.2018 17:14:08</p>  | <p align="center"><b>Lowest Channel</b></p> <p align="center">Date: 14.JUN.2018 17:58:51</p>  |
| <p align="center"><b>Middle Channel</b></p> <p align="center">Date: 14.JUN.2018 17:14:40</p>  | <p align="center"><b>Middle Channel</b></p> <p align="center">Date: 14.JUN.2018 17:59:25</p>  |
| <p align="center"><b>Highest Channel</b></p> <p align="center">Date: 14.JUN.2018 17:15:12</p> | <p align="center"><b>Highest Channel</b></p> <p align="center">Date: 14.JUN.2018 18:00:00</p> |



Conducted Band Edge

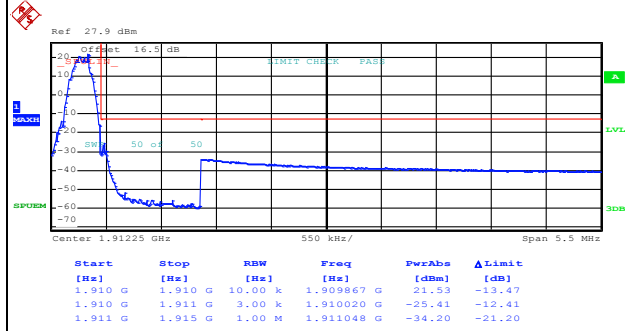
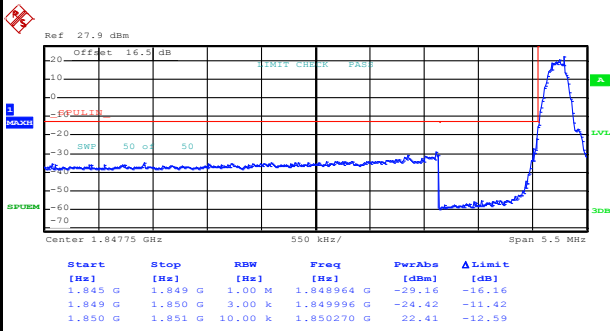




GSM1900 (GSM)

Lowest Band Edge

Highest Band Edge



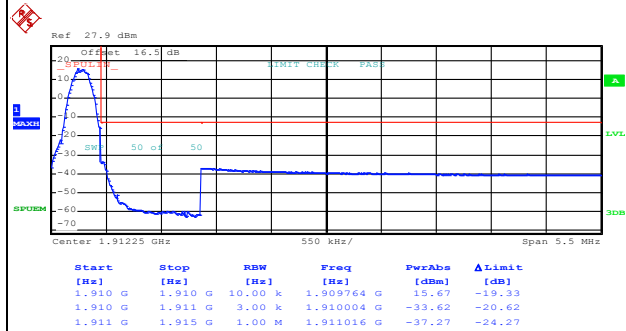
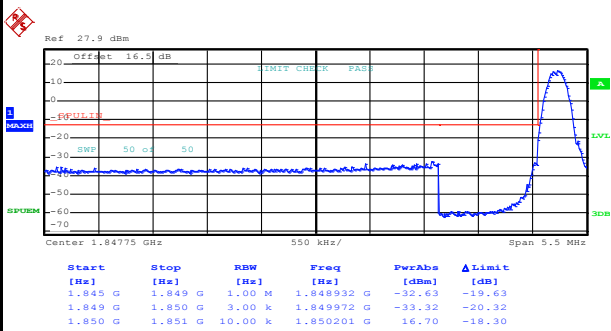
Date: 14.JUN.2018 17:17:37

Date: 14.JUN.2018 17:19:10

GSM1900 (EDGE class 8)

Lowest Band Edge

Highest Band Edge



Date: 14.JUN.2018 18:02:41

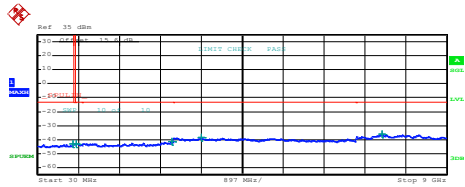
Date: 14.JUN.2018 18:08:28



# Conducted Spurious Emission

## GSM850 (GSM)

### Lowest Channel

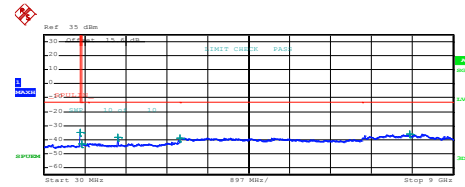


| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | Power [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|-------------|-------------|
| 35,000 M   | 820,000 M | 1,00 M   | 806,130000 M | -42.98      | -29.98      |
| 855,000 M  | 1,000 G   | 1,00 M   | 874,067500 M | -42.80      | -29.80      |
| 1,000 G    | 3,000 G   | 1,00 M   | 2,967000 G   | -42.08      | -28.08      |
| 3,000 G    | 7,000 G   | 1,00 M   | 3,611000 G   | -38.42      | -25.42      |
| 7,000 G    | 9,000 G   | 1,00 M   | 7,583000 G   | -36.21      | -23.21      |

Date: 14.JUN.2018 17:29:56

## GSM850 (EDGE class 8)

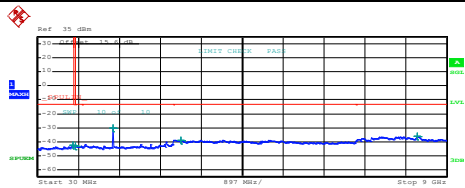
### Lowest Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | Power [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|-------------|-------------|
| 35,000 M   | 820,000 M | 1,00 M   | 819,802500 M | -39.64      | -23.64      |
| 855,000 M  | 1,000 G   | 1,00 M   | 860,111250 M | -42.90      | -29.90      |
| 1,000 G    | 3,000 G   | 1,00 M   | 1,648000 G   | -39.27      | -25.27      |
| 3,000 G    | 7,000 G   | 1,00 M   | 3,003000 G   | -38.74      | -25.74      |
| 7,000 G    | 9,000 G   | 1,00 M   | 8,047000 G   | -35.96      | -22.96      |

Date: 14.JUN.2018 18:55:12

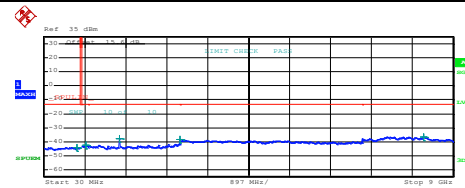
## Middle Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | Power [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|-------------|-------------|
| 35,000 M   | 820,000 M | 1,00 M   | 797,287500 M | -42.75      | -29.75      |
| 855,000 M  | 1,000 G   | 1,00 M   | 862,232500 M | -42.95      | -29.95      |
| 1,000 G    | 3,000 G   | 1,00 M   | 1,672000 G   | -30.03      | -17.03      |
| 3,000 G    | 7,000 G   | 1,00 M   | 3,177000 G   | -38.70      | -25.70      |
| 7,000 G    | 9,000 G   | 1,00 M   | 8,353000 G   | -36.91      | -23.91      |

Date: 14.JUN.2018 17:30:46

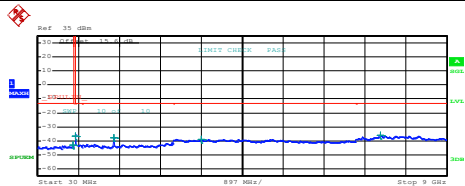
## Middle Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | Power [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|-------------|-------------|
| 35,000 M   | 820,000 M | 1,00 M   | 746,530000 M | -43.97      | -30.97      |
| 855,000 M  | 1,000 G   | 1,00 M   | 838,302500 M | -42.69      | -29.69      |
| 1,000 G    | 3,000 G   | 1,00 M   | 1,673000 G   | -37.56      | -24.56      |
| 3,000 G    | 7,000 G   | 1,00 M   | 3,016000 G   | -38.39      | -25.39      |
| 7,000 G    | 9,000 G   | 1,00 M   | 8,362000 G   | -36.49      | -23.49      |

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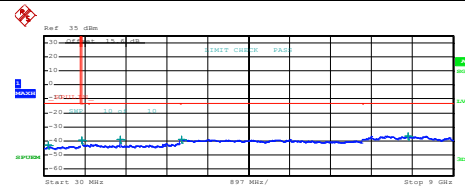
## Highest Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | Power [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|-------------|-------------|
| 35,000 M   | 820,000 M | 1,00 M   | 809,957000 M | -43.22      | -30.22      |
| 855,000 M  | 1,000 G   | 1,00 M   | 855,036250 M | -36.44      | -23.44      |
| 1,000 G    | 3,000 G   | 1,00 M   | 1,697000 G   | -38.02      | -25.02      |
| 3,000 G    | 7,000 G   | 1,00 M   | 3,619000 G   | -38.91      | -25.91      |
| 7,000 G    | 9,000 G   | 1,00 M   | 7,555000 G   | -36.05      | -23.05      |

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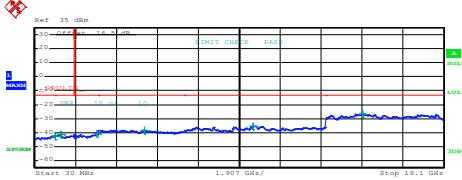
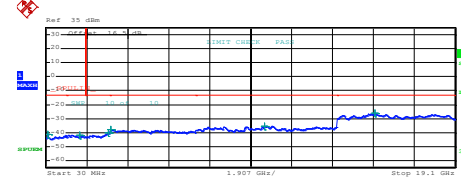
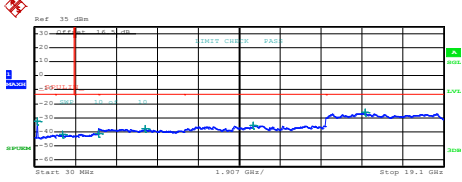
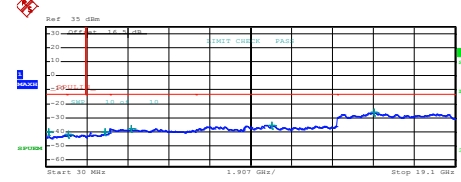
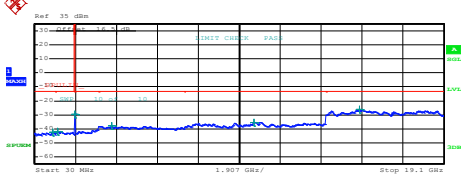
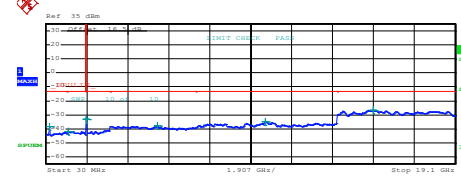
## Highest Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | Power [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|-------------|-------------|
| 35,000 M   | 820,000 M | 1,00 M   | 114,022500 M | -43.29      | -30.29      |
| 855,000 M  | 1,000 G   | 1,00 M   | 859,072500 M | -39.66      | -26.66      |
| 1,000 G    | 3,000 G   | 1,00 M   | 1,697500 G   | -38.79      | -25.79      |
| 3,000 G    | 7,000 G   | 1,00 M   | 3,049000 G   | -38.78      | -25.78      |
| 7,000 G    | 9,000 G   | 1,00 M   | 8,016500 G   | -36.53      | -23.53      |

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| GSM1900 (GSM)   | GSM1900 (EDGE class 8) |           |              |              |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|---|------------------------|-----------|--------------|--------------|--------------|-------------|----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|----------|---------|-------------|--------|--------|----------|----------|---------|-------------|--------|--------|---|------------|-----------|----------|-----------|--------------|-------------|----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|----------|---------|-------------|--------|--------|----------|----------|---------|-------------|--------|--------|
| Lowest Channel  | Lowest Channel         |           |              |              |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 571 638 672"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>990,240000 M</td><td>-42.93</td><td>-29.33</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,238924 G</td><td>-41.42</td><td>-28.42</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,928220 G</td><td>-40.95</td><td>-27.95</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,151000 G</td><td>-38.14</td><td>-25.14</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,224100 G</td><td>-35.28</td><td>-22.28</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,238000 G</td><td>-26.89</td><td>-13.89</td></tr> </tbody> </table> <p>Date: 14.JUN.2018 17:11:12</p>     | Start [Hz]             | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 990,240000 M | -42.93 | -29.33 | 1,000 G | 1,845 G | 1,000 M | 1,238924 G | -41.42 | -28.42 | 1,845 G | 3,000 G | 1,000 M | 2,928220 G | -40.95 | -27.95 | 3,000 G | 7,000 G | 1,000 M | 5,151000 G | -38.14 | -25.14 | 7,000 G | 13,600 G | 1,000 M | 10,224100 G | -35.28 | -22.28 | 13,600 G | 19,100 G | 1,000 M | 15,238000 G | -26.89 | -13.89 |  <table border="1" data-bbox="877 571 1276 672"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>111,920000 M</td><td>-41.49</td><td>-28.49</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,574811 G</td><td>-41.79</td><td>-28.79</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,923641 G</td><td>-40.33</td><td>-27.33</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,038000 G</td><td>-37.99</td><td>-24.99</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,212500 G</td><td>-35.29</td><td>-22.29</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,358543 G</td><td>-26.36</td><td>-13.36</td></tr> </tbody> </table> <p>Date: 14.JUN.2018 17:55:06</p>     | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 111,920000 M | -41.49 | -28.49 | 1,000 G | 1,845 G | 1,000 M | 1,574811 G | -41.79 | -28.79 | 1,845 G | 3,000 G | 1,000 M | 2,923641 G | -40.33 | -27.33 | 3,000 G | 7,000 G | 1,000 M | 5,038000 G | -37.99 | -24.99 | 7,000 G | 13,600 G | 1,000 M | 10,212500 G | -35.29 | -22.29 | 13,600 G | 19,100 G | 1,000 M | 15,358543 G | -26.36 | -13.36 |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 990,240000 M | -42.93       | -29.33       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,238924 G   | -41.42       | -28.42       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,928220 G   | -40.95       | -27.95       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 5,151000 G   | -38.14       | -25.14       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,224100 G  | -35.28       | -22.28       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,238000 G  | -26.89       | -13.89       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 111,920000 M | -41.49       | -28.49       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,574811 G   | -41.79       | -28.79       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,923641 G   | -40.33       | -27.33       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 5,038000 G   | -37.99       | -24.99       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,212500 G  | -35.29       | -22.29       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,358543 G  | -26.36       | -13.36       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Middle Channel  | Middle Channel         |           |              |              |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1093 638 1193"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>141,792500 M</td><td>-32.74</td><td>-19.74</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,337700 G</td><td>-41.90</td><td>-28.90</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,987251 G</td><td>-41.07</td><td>-28.07</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,169000 G</td><td>-38.01</td><td>-25.01</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,214200 G</td><td>-35.60</td><td>-22.60</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,437000 G</td><td>-26.28</td><td>-13.28</td></tr> </tbody> </table> <p>Date: 14.JUN.2018 17:12:23</p>  | Start [Hz]             | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 141,792500 M | -32.74 | -19.74 | 1,000 G | 1,845 G | 1,000 M | 1,337700 G | -41.90 | -28.90 | 1,845 G | 3,000 G | 1,000 M | 2,987251 G | -41.07 | -28.07 | 3,000 G | 7,000 G | 1,000 M | 5,169000 G | -38.01 | -25.01 | 7,000 G | 13,600 G | 1,000 M | 10,214200 G | -35.60 | -22.60 | 13,600 G | 19,100 G | 1,000 M | 15,437000 G | -26.28 | -13.28 |  <table border="1" data-bbox="877 1093 1276 1193"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>141,792500 M</td><td>-40.00</td><td>-27.00</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,086632 G</td><td>-42.01</td><td>-29.01</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,773778 G</td><td>-40.32</td><td>-27.32</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>4,013000 G</td><td>-37.77</td><td>-24.77</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,249900 G</td><td>-35.42</td><td>-22.42</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,313938 G</td><td>-26.21</td><td>-13.21</td></tr> </tbody> </table> <p>Date: 14.JUN.2018 17:55:58</p>  | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 141,792500 M | -40.00 | -27.00 | 1,000 G | 1,845 G | 1,000 M | 1,086632 G | -42.01 | -29.01 | 1,845 G | 3,000 G | 1,000 M | 2,773778 G | -40.32 | -27.32 | 3,000 G | 7,000 G | 1,000 M | 4,013000 G | -37.77 | -24.77 | 7,000 G | 13,600 G | 1,000 M | 10,249900 G | -35.42 | -22.42 | 13,600 G | 19,100 G | 1,000 M | 15,313938 G | -26.21 | -13.21 |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 141,792500 M | -32.74       | -19.74       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,337700 G   | -41.90       | -28.90       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,987251 G   | -41.07       | -28.07       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 5,169000 G   | -38.01       | -25.01       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,214200 G  | -35.60       | -22.60       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,437000 G  | -26.28       | -13.28       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 141,792500 M | -40.00       | -27.00       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,086632 G   | -42.01       | -29.01       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,773778 G   | -40.32       | -27.32       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 4,013000 G   | -37.77       | -24.77       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,249900 G  | -35.42       | -22.42       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,313938 G  | -26.21       | -13.21       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Highest Channel   | Highest Channel        |           |              |              |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1615 638 1715"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>878,730000 M</td><td>-42.42</td><td>-29.42</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,102034 G</td><td>-41.80</td><td>-28.80</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>1,932071 G</td><td>-39.89</td><td>-26.89</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>3,620000 G</td><td>-38.05</td><td>-25.05</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,257100 G</td><td>-35.23</td><td>-22.23</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,174625 G</td><td>-26.32</td><td>-13.32</td></tr> </tbody> </table> <p>Date: 14.JUN.2018 17:13:17</p> | Start [Hz]             | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 878,730000 M | -42.42 | -29.42 | 1,000 G | 1,845 G | 1,000 M | 1,102034 G | -41.80 | -28.80 | 1,845 G | 3,000 G | 1,000 M | 1,932071 G | -39.89 | -26.89 | 3,000 G | 7,000 G | 1,000 M | 3,620000 G | -38.05 | -25.05 | 7,000 G | 13,600 G | 1,000 M | 10,257100 G | -35.23 | -22.23 | 13,600 G | 19,100 G | 1,000 M | 15,174625 G | -26.32 | -13.32 |  <table border="1" data-bbox="877 1615 1276 1715"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>171,337000 M</td><td>-38.10</td><td>-25.10</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,053235 G</td><td>-41.82</td><td>-28.82</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>1,933271 G</td><td>-39.15</td><td>-26.15</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,199000 G</td><td>-38.05</td><td>-25.05</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,244725 G</td><td>-34.86</td><td>-21.86</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,289358 G</td><td>-26.79</td><td>-13.79</td></tr> </tbody> </table> <p>Date: 14.JUN.2018 17:57:38</p> | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 171,337000 M | -38.10 | -25.10 | 1,000 G | 1,845 G | 1,000 M | 1,053235 G | -41.82 | -28.82 | 1,845 G | 3,000 G | 1,000 M | 1,933271 G | -39.15 | -26.15 | 3,000 G | 7,000 G | 1,000 M | 5,199000 G | -38.05 | -25.05 | 7,000 G | 13,600 G | 1,000 M | 10,244725 G | -34.86 | -21.86 | 13,600 G | 19,100 G | 1,000 M | 15,289358 G | -26.79 | -13.79 |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 878,730000 M | -42.42       | -29.42       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,102034 G   | -41.80       | -28.80       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 1,932071 G   | -39.89       | -26.89       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 3,620000 G   | -38.05       | -25.05       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,257100 G  | -35.23       | -22.23       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,174625 G  | -26.32       | -13.32       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 171,337000 M | -38.10       | -25.10       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,053235 G   | -41.82       | -28.82       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 1,933271 G   | -39.15       | -26.15       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 5,199000 G   | -38.05       | -25.05       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,244725 G  | -34.86       | -21.86       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,289358 G  | -26.79       | -13.79       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |   |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |





**Frequency Stability**

| Test Conditions  | Middle Channel    | GSM850 (GSM)    | GSM850 (EDGE class 8) | Limit 2.5ppm |
|------------------|-------------------|-----------------|-----------------------|--------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm) |                       | Result       |
| 50               | Normal Voltage    | 0.0084          | 0.0048                | PASS         |
| 40               | Normal Voltage    | 0.0048          | 0.0012                |              |
| 30               | Normal Voltage    | 0.0000          | 0.0000                |              |
| 20(Ref.)         | Normal Voltage    | 0.0000          | 0.0000                |              |
| 10               | Normal Voltage    | 0.0000          | 0.0012                |              |
| 0                | Normal Voltage    | 0.0024          | 0.0024                |              |
| -10              | Normal Voltage    | 0.0072          | 0.0024                |              |
| -20              | Normal Voltage    | 0.0060          | 0.0036                |              |
| -30              | Normal Voltage    | 0.0060          | 0.0012                |              |
| 20               | Maximum Voltage   | 0.0179          | 0.0012                |              |
| 20               | Normal Voltage    | 0.0000          | 0.0000                |              |
| 20               | Battery End Point | 0.0215          | 0.0024                |              |

| Test Conditions  | Middle Channel    | GSM1900 (GSM)   | GSM1900 (EDGE class 8) | Limit Note 2. |
|------------------|-------------------|-----------------|------------------------|---------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm) |                        | Result        |
| 50               | Normal Voltage    | 0.0037          | 0.0005                 | PASS          |
| 40               | Normal Voltage    | 0.0021          | 0.0000                 |               |
| 30               | Normal Voltage    | 0.0021          | 0.0000                 |               |
| 20(Ref.)         | Normal Voltage    | 0.0000          | 0.0000                 |               |
| 10               | Normal Voltage    | 0.0011          | 0.0011                 |               |
| 0                | Normal Voltage    | 0.0021          | 0.0016                 |               |
| -10              | Normal Voltage    | 0.0027          | 0.0005                 |               |
| -20              | Normal Voltage    | 0.0032          | 0.0011                 |               |
| -30              | Normal Voltage    | 0.0032          | 0.0021                 |               |
| 20               | Maximum Voltage   | 0.0117          | 0.0027                 |               |
| 20               | Normal Voltage    | 0.0000          | 0.0000                 |               |
| 20               | Battery End Point | 0.0101          | 0.0011                 |               |

**Note:**

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block.

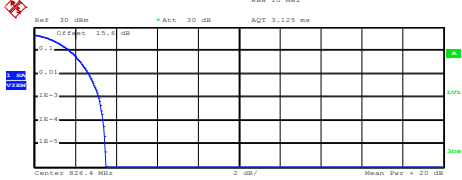
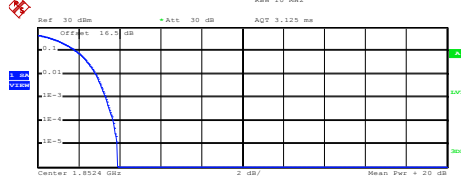
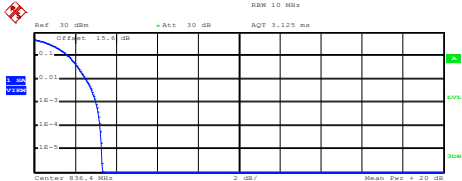
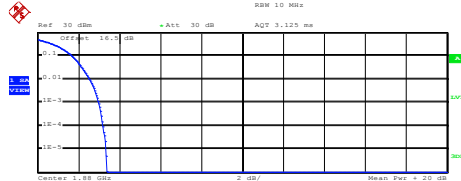
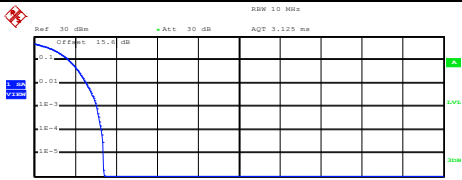
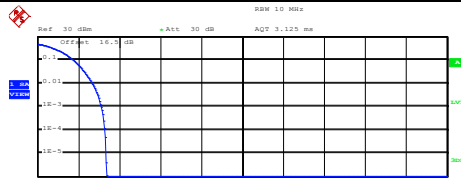


### A3. WCDMA

#### Peak-to-Average Ratio

| Mode       | WCDMA Band V | WCDMA Band II | WCDMA Band IV | Limit: 13dB |
|------------|--------------|---------------|---------------|-------------|
| Mod.       | RMC 12.2Kbps | RMC 12.2Kbps  | RMC 12.2Kbps  | Result      |
| Lowest CH  | 3.16         | 3.32          | 3.16          | <b>PASS</b> |
| Middle CH  | 3.00         | 3.00          | 2.88          |             |
| Highest CH | 3.08         | 3.12          | 3.16          |             |

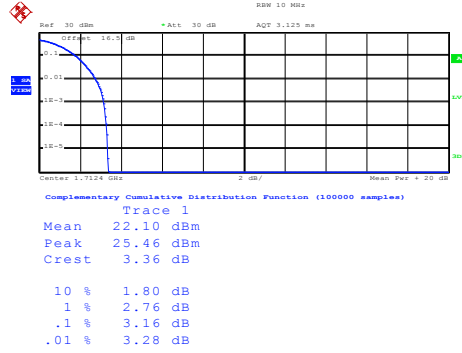


| WCDMA Band V (RMC 12.2Kbps)  | WCDMA Band II (RMC 12.2Kbps) |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
|--|------------------------------|---------|-----|---------|------|---------|-------|---------|--|------|---------|-----|---------|------|---------|-------|---------|
| <p align="center"><b>Lowest Channel</b></p>  <p>Center 826.4 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.24 dBm<br/>Peak 26.73 dBm<br/>Crest 3.48 dB</p> <table border="0"> <tr><td>10 %</td><td>1.72 dB</td></tr> <tr><td>1 %</td><td>2.68 dB</td></tr> <tr><td>.1 %</td><td>3.16 dB</td></tr> <tr><td>.01 %</td><td>3.36 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:46:30</p>    | 10 %                         | 1.72 dB | 1 % | 2.68 dB | .1 % | 3.16 dB | .01 % | 3.36 dB | <p align="center"><b>Lowest Channel</b></p>  <p>Center 1.8524 GHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean -3.51 dBm<br/>Peak 0.41 dBm<br/>Crest 3.92 dB</p> <table border="0"> <tr><td>10 %</td><td>1.88 dB</td></tr> <tr><td>1 %</td><td>2.84 dB</td></tr> <tr><td>.1 %</td><td>3.32 dB</td></tr> <tr><td>.01 %</td><td>3.72 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:13:26</p>     | 10 % | 1.88 dB | 1 % | 2.84 dB | .1 % | 3.32 dB | .01 % | 3.72 dB |
| 10 %   | 1.72 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 2.68 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.16 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.36 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %   | 1.88 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 2.84 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.32 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.72 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| <p align="center"><b>Middle Channel</b></p>  <p>Center 836.4 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.12 dBm<br/>Peak 26.44 dBm<br/>Crest 3.32 dB</p> <table border="0"> <tr><td>10 %</td><td>1.68 dB</td></tr> <tr><td>1 %</td><td>2.52 dB</td></tr> <tr><td>.1 %</td><td>3.00 dB</td></tr> <tr><td>.01 %</td><td>3.20 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:46:44</p>   | 10 %                         | 1.68 dB | 1 % | 2.52 dB | .1 % | 3.00 dB | .01 % | 3.20 dB | <p align="center"><b>Middle Channel</b></p>  <p>Center 1.88 GHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 21.81 dBm<br/>Peak 25.17 dBm<br/>Crest 3.37 dB</p> <table border="0"> <tr><td>10 %</td><td>1.68 dB</td></tr> <tr><td>1 %</td><td>2.56 dB</td></tr> <tr><td>.1 %</td><td>3.00 dB</td></tr> <tr><td>.01 %</td><td>3.20 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:13:40</p>     | 10 % | 1.68 dB | 1 % | 2.56 dB | .1 % | 3.00 dB | .01 % | 3.20 dB |
| 10 %   | 1.68 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 2.52 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.00 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.20 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %   | 1.68 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 2.56 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.00 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.20 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| <p align="center"><b>Highest Channel</b></p>  <p>Center 846.6 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.05 dBm<br/>Peak 26.44 dBm<br/>Crest 3.40 dB</p> <table border="0"> <tr><td>10 %</td><td>1.68 dB</td></tr> <tr><td>1 %</td><td>2.56 dB</td></tr> <tr><td>.1 %</td><td>3.08 dB</td></tr> <tr><td>.01 %</td><td>3.28 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:46:59</p> | 10 %                         | 1.68 dB | 1 % | 2.56 dB | .1 % | 3.08 dB | .01 % | 3.28 dB | <p align="center"><b>Highest Channel</b></p>  <p>Center 1.9076 GHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 21.53 dBm<br/>Peak 24.89 dBm<br/>Crest 3.36 dB</p> <table border="0"> <tr><td>10 %</td><td>1.76 dB</td></tr> <tr><td>1 %</td><td>2.68 dB</td></tr> <tr><td>.1 %</td><td>3.12 dB</td></tr> <tr><td>.01 %</td><td>3.28 dB</td></tr> </table> <p>Date: 14.JUN.2018 19:13:59</p> | 10 % | 1.76 dB | 1 % | 2.68 dB | .1 % | 3.12 dB | .01 % | 3.28 dB |
| 10 %   | 1.68 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 2.56 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.08 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.28 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %   | 1.76 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 2.68 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.12 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.28 dB                      |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |



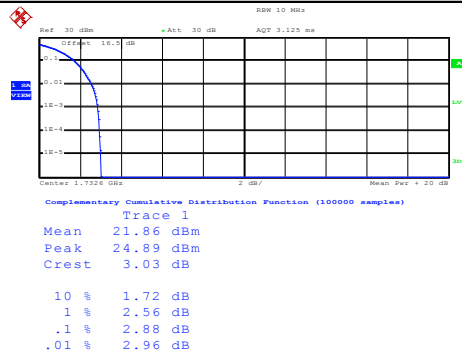
### WCDMA Band IV (RMC 12.2Kbps)

#### Lowest Channel



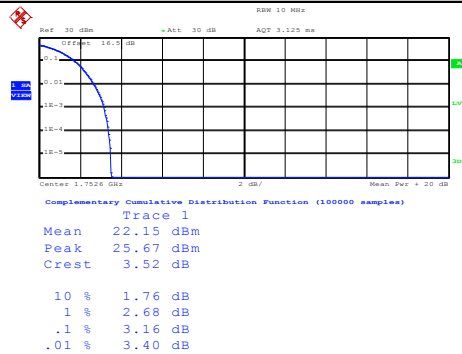
Date: 14.JUN.2018 19:30:55

#### Middle Channel



Date: 14.JUN.2018 19:31:43

#### Highest Channel

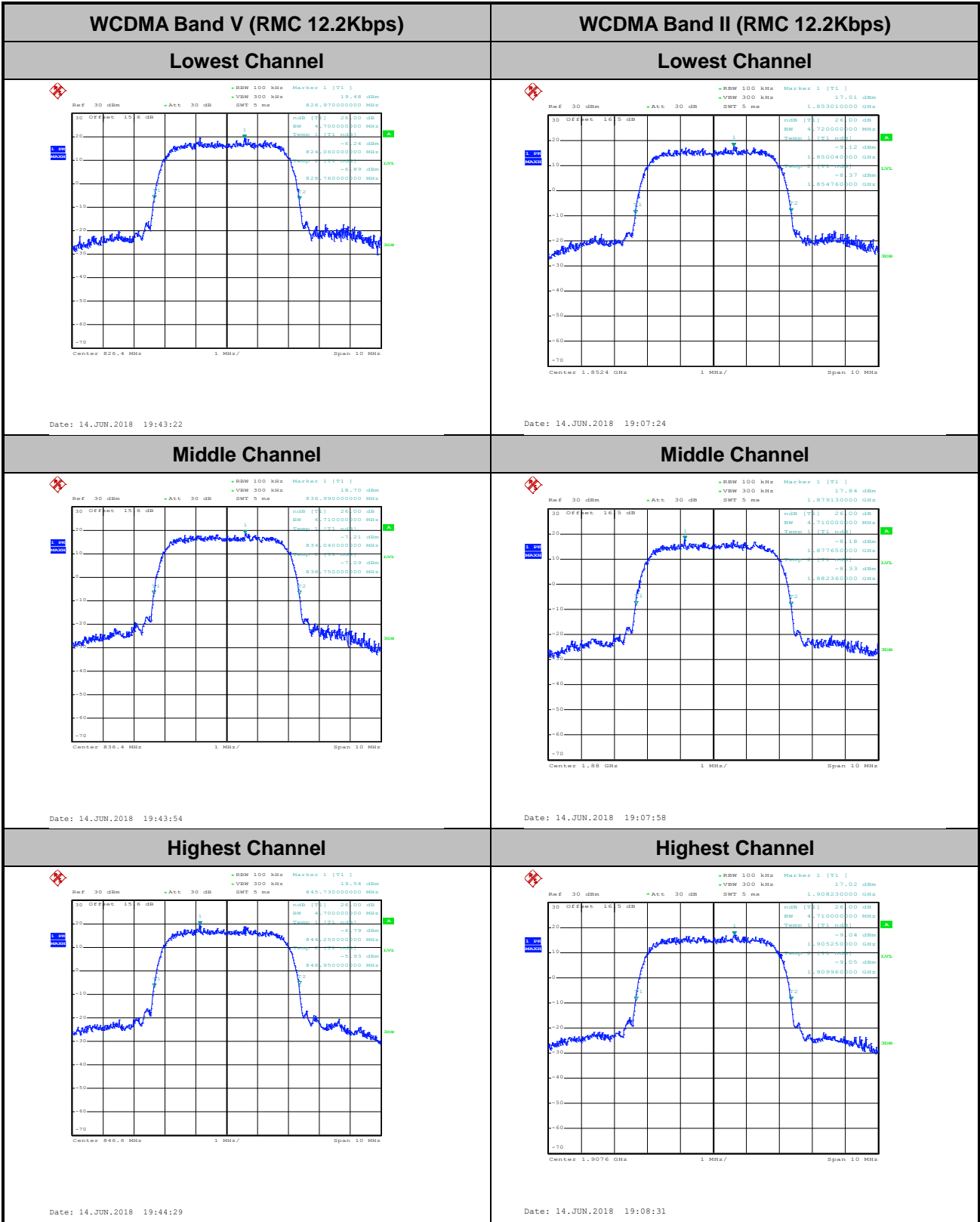


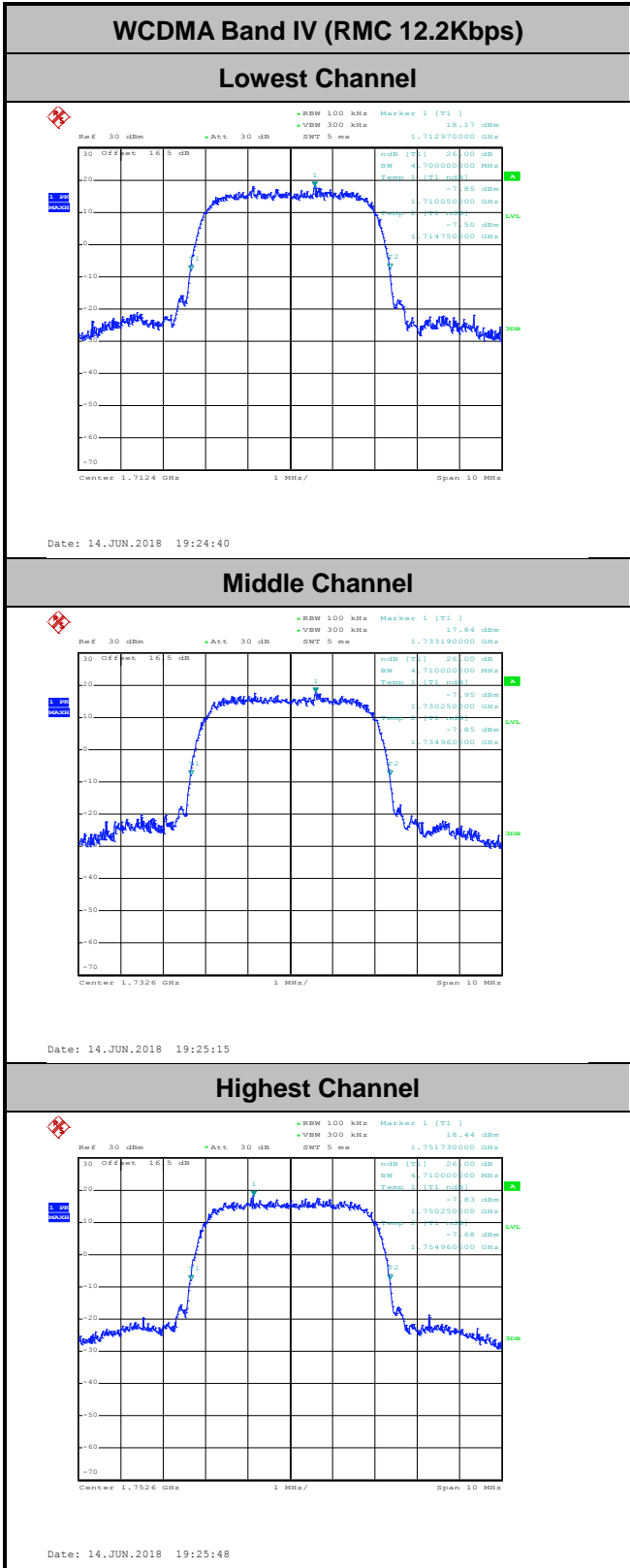
Date: 14.JUN.2018 19:32:03



**26dB Bandwidth**

| Mode       | WCDMA Band V<br>26dB BW(MHz) | WCDMA Band II<br>26dB BW(MHz) | WCDMA Band IV<br>26dB BW(MHz) |
|------------|------------------------------|-------------------------------|-------------------------------|
| Mod.       | RMC 12.2Kbps                 | RMC 12.2Kbps                  | RMC 12.2Kbps                  |
| Lowest CH  | 4.70                         | 4.72                          | 4.70                          |
| Middle CH  | 4.71                         | 4.71                          | 4.71                          |
| Highest CH | 4.70                         | 4.71                          | 4.71                          |





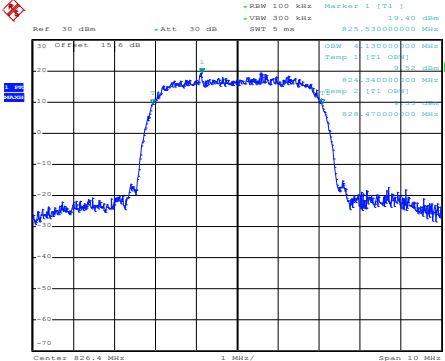
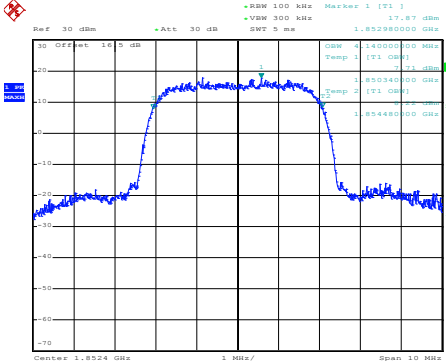
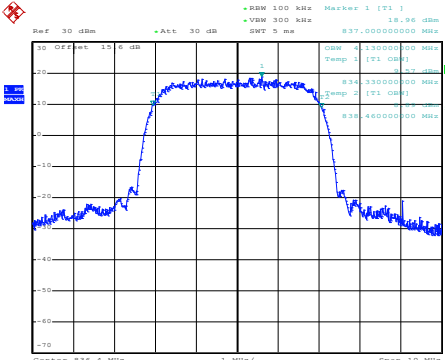
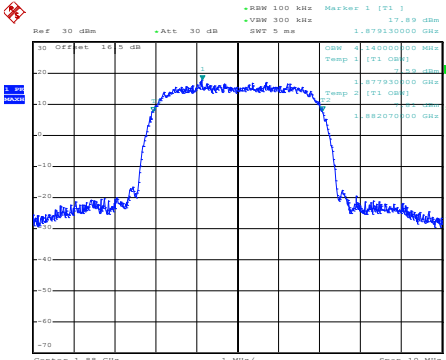
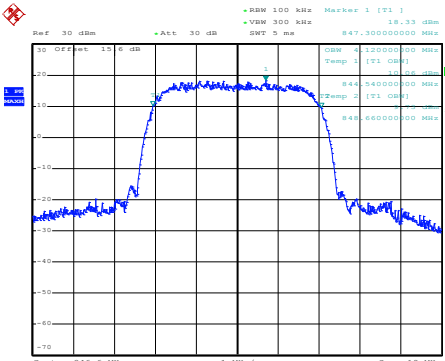
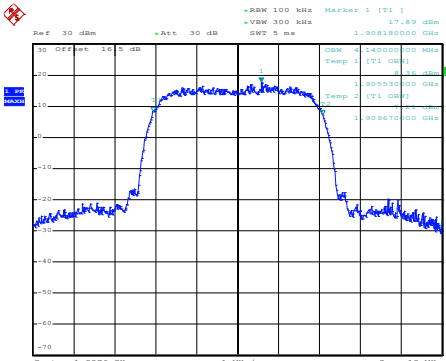


**Occupied Bandwidth**

| Mode       | WCDMA Band V<br>99% OBW(MHz) | WCDMA Band II<br>99% OBW(MHz) | WCDMA Band IV<br>99% OBW(MHz) |
|------------|------------------------------|-------------------------------|-------------------------------|
| Mod.       | RMC 12.2Kbps                 | RMC 12.2Kbps                  | RMC 12.2Kbps                  |
| Lowest CH  | 4.13                         | 4.14                          | 4.12                          |
| Middle CH  | 4.13                         | 4.14                          | 4.13                          |
| Highest CH | 4.12                         | 4.14                          | 4.14                          |



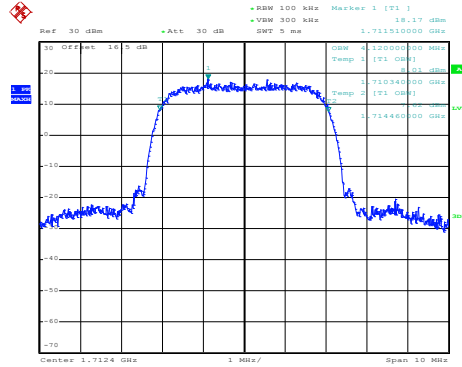


| WCDMA Band V (RMC 12.2Kbps)   | WCDMA Band II (RMC 12.2Kbps)  |
|---|---|
| <p data-bbox="368 344 572 376"><b>Lowest Channel</b></p>  <p data-bbox="209 831 387 846">Date: 14.JUN.2018 19:45:09</p>        | <p data-bbox="1018 344 1222 376"><b>Lowest Channel</b></p>  <p data-bbox="858 831 1037 846">Date: 14.JUN.2018 19:12:03</p>        |
| <p data-bbox="368 862 572 893"><b>Middle Channel</b></p>  <p data-bbox="209 1350 387 1366">Date: 14.JUN.2018 19:45:43</p>     | <p data-bbox="1018 862 1222 893"><b>Middle Channel</b></p>  <p data-bbox="858 1350 1037 1366">Date: 14.JUN.2018 19:12:36</p>     |
| <p data-bbox="368 1379 572 1411"><b>Highest Channel</b></p>  <p data-bbox="209 1868 387 1883">Date: 14.JUN.2018 19:46:15</p> | <p data-bbox="1018 1379 1222 1411"><b>Highest Channel</b></p>  <p data-bbox="858 1868 1037 1883">Date: 14.JUN.2018 19:13:11</p> |



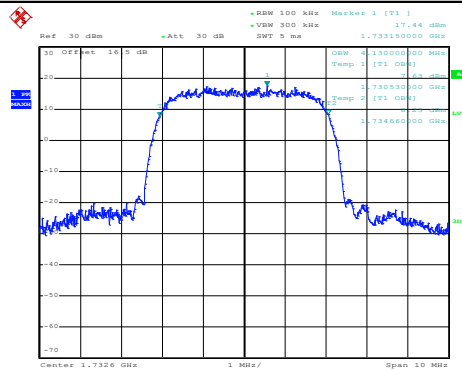
### WCDMA Band IV (RMC 12.2Kbps)

#### Lowest Channel



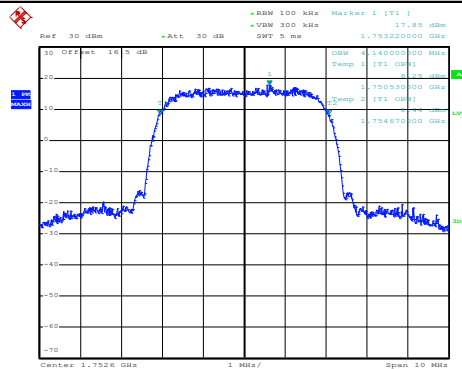
Date: 14.JUN.2018 19:29:07

#### Middle Channel



Date: 14.JUN.2018 19:29:46

#### Highest Channel



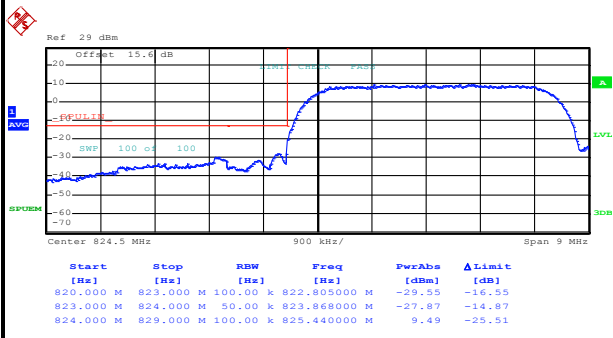
Date: 14.JUN.2018 19:30:18



**Conducted Band Edge**

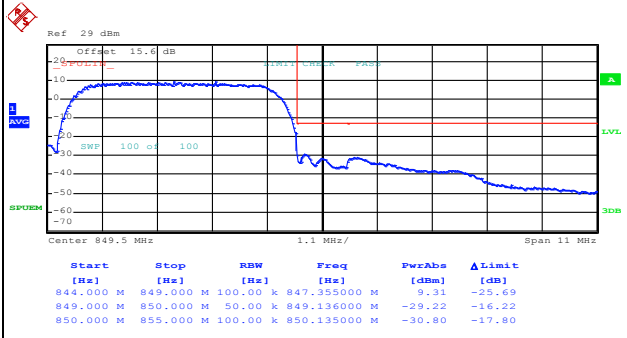
**WCDMA Band V (RMC 12.2Kbps)**

**Lowest Band Edge**



Date: 14.JUN.2018 19:49:49

**Highest Band Edge**



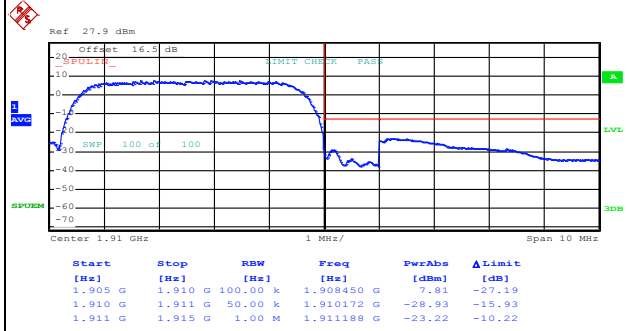
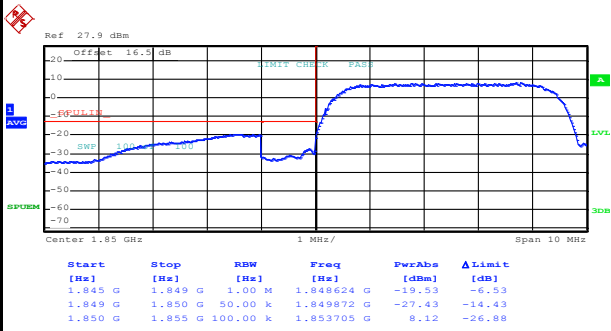
Date: 14.JUN.2018 19:52:36



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 14.JUN.2018 19:16:50

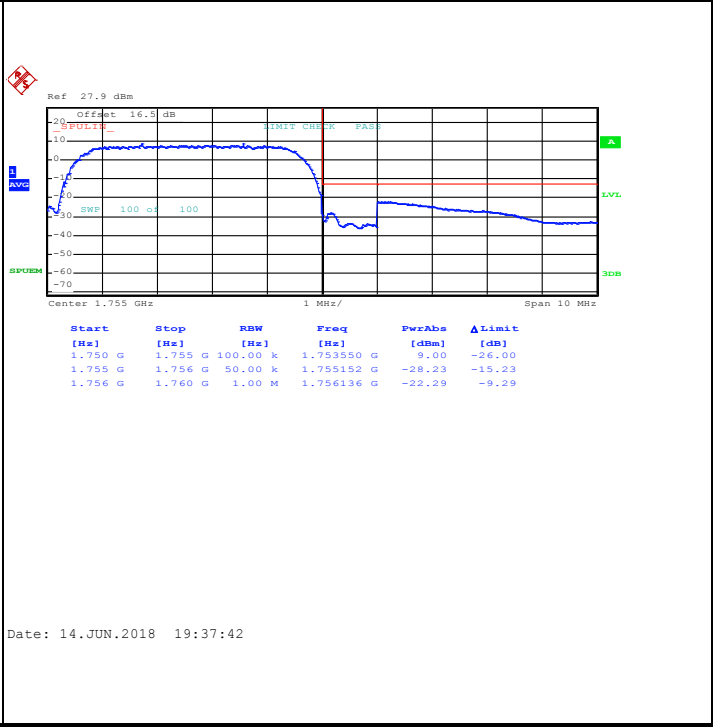
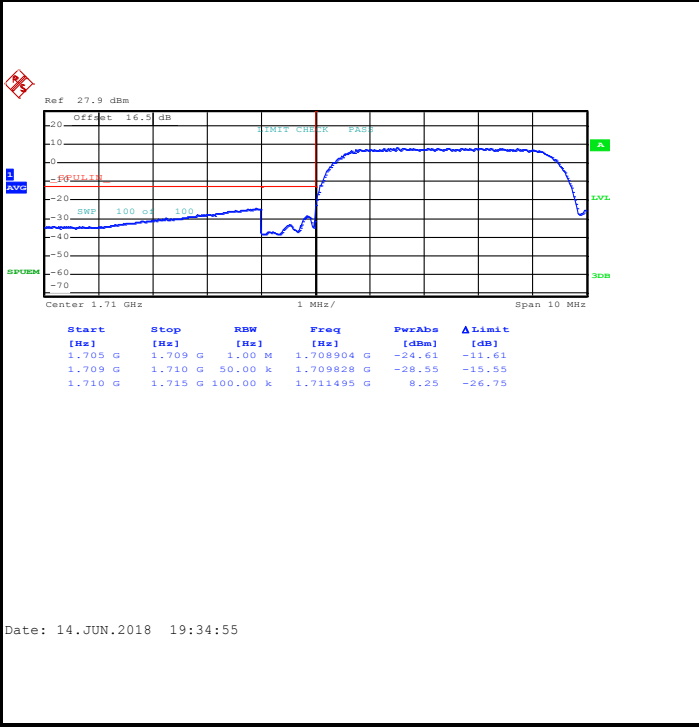
Date: 14.JUN.2018 19:22:32



WCDMA Band IV (RMC 12.2Kbps)

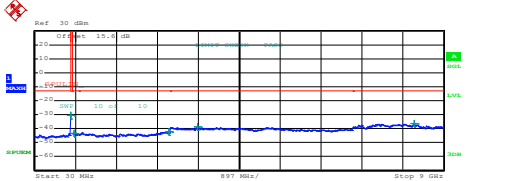
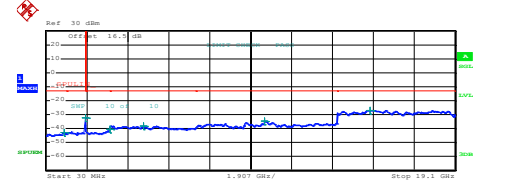
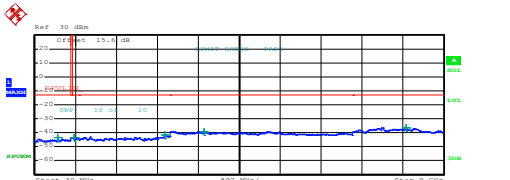
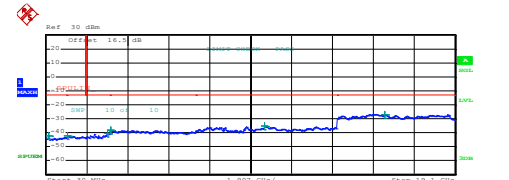
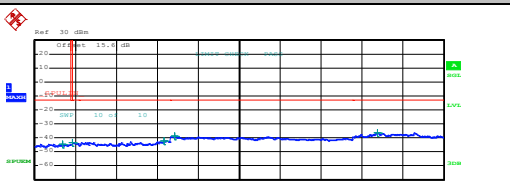
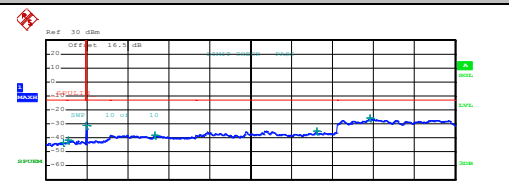
Lowest Band Edge

Highest Band Edge





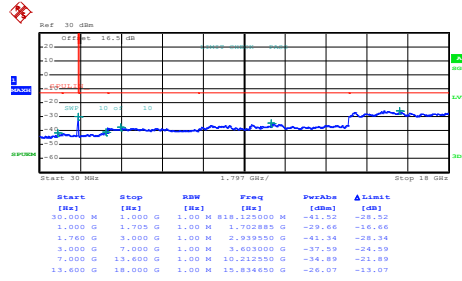
# Conducted Spurious Emission

| WCDMA Band V (RMC 12.2Kbps)   | WCDMA Band II (RMC 12.2Kbps) |        |              |        |        |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
|---|------------------------------|--------|--------------|--------|--------|--------|------|------|------|------|-------|------|----------|-----------|--------|--------------|--------|--------|-----------|---------|--------|--------------|--------|--------|---------|---------|--------|------------|--------|--------|---------|---------|--------|------------|--------|--------|---------|---------|--------|------------|--------|--------|---|-------|------|-----|------|--------|--------|------|------|------|------|-------|------|----------|---------|--------|--------------|--------|--------|---------|---------|--------|------------|--------|--------|---------|---------|--------|------------|--------|--------|---------|----------|--------|------------|--------|--------|----------|----------|--------|-------------|--------|--------|----------|----------|--------|-------------|--------|--------|
| Lowest Channel  | Lowest Channel               |        |              |        |        |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
|  <table border="1" data-bbox="239 660 686 739"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30.000 M</td> <td>820.000 M</td> <td>1.00 M</td> <td>816.802500 M</td> <td>-30.24</td> <td>-37.24</td> </tr> <tr> <td>855.000 M</td> <td>1.000 G</td> <td>1.00 M</td> <td>897.086253 M</td> <td>-43.49</td> <td>-30.49</td> </tr> <tr> <td>1.000 G</td> <td>3.000 G</td> <td>1.00 M</td> <td>2.979500 G</td> <td>-42.23</td> <td>-29.23</td> </tr> <tr> <td>3.000 G</td> <td>7.000 G</td> <td>1.00 M</td> <td>3.602000 G</td> <td>-38.72</td> <td>-25.72</td> </tr> <tr> <td>7.000 G</td> <td>9.000 G</td> <td>1.00 M</td> <td>8.353500 G</td> <td>-36.61</td> <td>-23.61</td> </tr> </tbody> </table> <p>Date: 14.JUN.2018 19:41:02</p>  | Start                        | Stop   | RBW          | Freq   | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30.000 M | 820.000 M | 1.00 M | 816.802500 M | -30.24 | -37.24 | 855.000 M | 1.000 G | 1.00 M | 897.086253 M | -43.49 | -30.49 | 1.000 G | 3.000 G | 1.00 M | 2.979500 G | -42.23 | -29.23 | 3.000 G | 7.000 G | 1.00 M | 3.602000 G | -38.72 | -25.72 | 7.000 G | 9.000 G | 1.00 M | 8.353500 G | -36.61 | -23.61 |  <table border="1" data-bbox="877 660 1324 739"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30.000 M</td> <td>1.000 G</td> <td>1.00 M</td> <td>855.227800 M</td> <td>-42.65</td> <td>-29.65</td> </tr> <tr> <td>1.000 G</td> <td>3.000 G</td> <td>1.00 M</td> <td>3.844789 G</td> <td>-32.36</td> <td>-19.36</td> </tr> <tr> <td>3.000 G</td> <td>7.000 G</td> <td>1.00 M</td> <td>2.990202 G</td> <td>-40.82</td> <td>-27.82</td> </tr> <tr> <td>7.000 G</td> <td>13.000 G</td> <td>1.00 M</td> <td>4.580000 G</td> <td>-37.99</td> <td>-24.99</td> </tr> <tr> <td>13.000 G</td> <td>19.100 G</td> <td>1.00 M</td> <td>10.209200 G</td> <td>-34.62</td> <td>-21.62</td> </tr> <tr> <td>19.100 G</td> <td>19.100 G</td> <td>1.00 M</td> <td>15.137938 G</td> <td>-26.92</td> <td>-13.92</td> </tr> </tbody> </table> <p>Date: 14.JUN.2018 19:09:35</p>  | Start | Stop | RBW | Freq | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30.000 M | 1.000 G | 1.00 M | 855.227800 M | -42.65 | -29.65 | 1.000 G | 3.000 G | 1.00 M | 3.844789 G | -32.36 | -19.36 | 3.000 G | 7.000 G | 1.00 M | 2.990202 G | -40.82 | -27.82 | 7.000 G | 13.000 G | 1.00 M | 4.580000 G | -37.99 | -24.99 | 13.000 G | 19.100 G | 1.00 M | 10.209200 G | -34.62 | -21.62 | 19.100 G | 19.100 G | 1.00 M | 15.137938 G | -26.92 | -13.92 |
| Start   | Stop                         | RBW    | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| [Hz]  | [Hz]                         | [Hz]   | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 30.000 M  | 820.000 M                    | 1.00 M | 816.802500 M | -30.24 | -37.24 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 855.000 M   | 1.000 G                      | 1.00 M | 897.086253 M | -43.49 | -30.49 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 1.000 G   | 3.000 G                      | 1.00 M | 2.979500 G   | -42.23 | -29.23 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 3.000 G   | 7.000 G                      | 1.00 M | 3.602000 G   | -38.72 | -25.72 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 7.000 G   | 9.000 G                      | 1.00 M | 8.353500 G   | -36.61 | -23.61 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| Start   | Stop                         | RBW    | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| [Hz]  | [Hz]                         | [Hz]   | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 30.000 M  | 1.000 G                      | 1.00 M | 855.227800 M | -42.65 | -29.65 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 1.000 G   | 3.000 G                      | 1.00 M | 3.844789 G   | -32.36 | -19.36 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 3.000 G   | 7.000 G                      | 1.00 M | 2.990202 G   | -40.82 | -27.82 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 7.000 G   | 13.000 G                     | 1.00 M | 4.580000 G   | -37.99 | -24.99 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 13.000 G  | 19.100 G                     | 1.00 M | 10.209200 G  | -34.62 | -21.62 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 19.100 G  | 19.100 G                     | 1.00 M | 15.137938 G  | -26.92 | -13.92 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| <h3 data-bbox="367 940 574 974">Middle Channel</h3>  <table border="1" data-bbox="239 1176 686 1254"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30.000 M</td> <td>820.000 M</td> <td>1.00 M</td> <td>523.355000 M</td> <td>-43.34</td> <td>-30.34</td> </tr> <tr> <td>855.000 M</td> <td>1.000 G</td> <td>1.00 M</td> <td>892.187000 M</td> <td>-43.36</td> <td>-30.36</td> </tr> <tr> <td>1.000 G</td> <td>3.000 G</td> <td>1.00 M</td> <td>2.891000 G</td> <td>-41.80</td> <td>-28.80</td> </tr> <tr> <td>3.000 G</td> <td>7.000 G</td> <td>1.00 M</td> <td>3.751000 G</td> <td>-39.06</td> <td>-26.06</td> </tr> <tr> <td>7.000 G</td> <td>9.000 G</td> <td>1.00 M</td> <td>8.176500 G</td> <td>-36.38</td> <td>-23.38</td> </tr> </tbody> </table> <p>Date: 14.JUN.2018 19:41:52</p>     | Start                        | Stop   | RBW          | Freq   | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30.000 M | 820.000 M | 1.00 M | 523.355000 M | -43.34 | -30.34 | 855.000 M | 1.000 G | 1.00 M | 892.187000 M | -43.36 | -30.36 | 1.000 G | 3.000 G | 1.00 M | 2.891000 G | -41.80 | -28.80 | 3.000 G | 7.000 G | 1.00 M | 3.751000 G | -39.06 | -26.06 | 7.000 G | 9.000 G | 1.00 M | 8.176500 G | -36.38 | -23.38 | <h3 data-bbox="1005 940 1212 974">Middle Channel</h3>  <table border="1" data-bbox="877 1176 1324 1254"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30.000 M</td> <td>1.000 G</td> <td>1.00 M</td> <td>141.065000 M</td> <td>-42.47</td> <td>-29.47</td> </tr> <tr> <td>1.000 G</td> <td>3.000 G</td> <td>1.00 M</td> <td>3.040000 G</td> <td>-42.39</td> <td>-29.39</td> </tr> <tr> <td>3.000 G</td> <td>7.000 G</td> <td>1.00 M</td> <td>2.903706 G</td> <td>-40.48</td> <td>-27.48</td> </tr> <tr> <td>7.000 G</td> <td>13.000 G</td> <td>1.00 M</td> <td>3.024000 G</td> <td>-38.33</td> <td>-25.33</td> </tr> <tr> <td>13.000 G</td> <td>19.100 G</td> <td>1.00 M</td> <td>10.215800 G</td> <td>-35.66</td> <td>-22.66</td> </tr> <tr> <td>19.100 G</td> <td>19.100 G</td> <td>1.00 M</td> <td>15.814438 G</td> <td>-26.86</td> <td>-13.86</td> </tr> </tbody> </table> <p>Date: 14.JUN.2018 19:10:26</p>     | Start | Stop | RBW | Freq | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30.000 M | 1.000 G | 1.00 M | 141.065000 M | -42.47 | -29.47 | 1.000 G | 3.000 G | 1.00 M | 3.040000 G | -42.39 | -29.39 | 3.000 G | 7.000 G | 1.00 M | 2.903706 G | -40.48 | -27.48 | 7.000 G | 13.000 G | 1.00 M | 3.024000 G | -38.33 | -25.33 | 13.000 G | 19.100 G | 1.00 M | 10.215800 G | -35.66 | -22.66 | 19.100 G | 19.100 G | 1.00 M | 15.814438 G | -26.86 | -13.86 |
| Start   | Stop                         | RBW    | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| [Hz]  | [Hz]                         | [Hz]   | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 30.000 M  | 820.000 M                    | 1.00 M | 523.355000 M | -43.34 | -30.34 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 855.000 M   | 1.000 G                      | 1.00 M | 892.187000 M | -43.36 | -30.36 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 1.000 G   | 3.000 G                      | 1.00 M | 2.891000 G   | -41.80 | -28.80 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 3.000 G   | 7.000 G                      | 1.00 M | 3.751000 G   | -39.06 | -26.06 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 7.000 G   | 9.000 G                      | 1.00 M | 8.176500 G   | -36.38 | -23.38 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| Start   | Stop                         | RBW    | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| [Hz]  | [Hz]                         | [Hz]   | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 30.000 M  | 1.000 G                      | 1.00 M | 141.065000 M | -42.47 | -29.47 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 1.000 G   | 3.000 G                      | 1.00 M | 3.040000 G   | -42.39 | -29.39 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 3.000 G   | 7.000 G                      | 1.00 M | 2.903706 G   | -40.48 | -27.48 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 7.000 G   | 13.000 G                     | 1.00 M | 3.024000 G   | -38.33 | -25.33 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 13.000 G  | 19.100 G                     | 1.00 M | 10.215800 G  | -35.66 | -22.66 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 19.100 G  | 19.100 G                     | 1.00 M | 15.814438 G  | -26.86 | -13.86 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| <h3 data-bbox="351 1456 590 1489">Highest Channel</h3>  <table border="1" data-bbox="239 1691 686 1769"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30.000 M</td> <td>820.000 M</td> <td>1.00 M</td> <td>634.952000 M</td> <td>-44.50</td> <td>-31.50</td> </tr> <tr> <td>855.000 M</td> <td>1.000 G</td> <td>1.00 M</td> <td>855.761200 M</td> <td>-43.38</td> <td>-30.38</td> </tr> <tr> <td>1.000 G</td> <td>3.000 G</td> <td>1.00 M</td> <td>2.862000 G</td> <td>-42.08</td> <td>-29.08</td> </tr> <tr> <td>3.000 G</td> <td>7.000 G</td> <td>1.00 M</td> <td>3.093000 G</td> <td>-38.98</td> <td>-25.98</td> </tr> <tr> <td>7.000 G</td> <td>9.000 G</td> <td>1.00 M</td> <td>7.539000 G</td> <td>-36.34</td> <td>-23.34</td> </tr> </tbody> </table> <p>Date: 14.JUN.2018 19:42:43</p> | Start                        | Stop   | RBW          | Freq   | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30.000 M | 820.000 M | 1.00 M | 634.952000 M | -44.50 | -31.50 | 855.000 M | 1.000 G | 1.00 M | 855.761200 M | -43.38 | -30.38 | 1.000 G | 3.000 G | 1.00 M | 2.862000 G | -42.08 | -29.08 | 3.000 G | 7.000 G | 1.00 M | 3.093000 G | -38.98 | -25.98 | 7.000 G | 9.000 G | 1.00 M | 7.539000 G | -36.34 | -23.34 | <h3 data-bbox="1005 1456 1228 1489">Highest Channel</h3>  <table border="1" data-bbox="877 1691 1324 1769"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30.000 M</td> <td>1.000 G</td> <td>1.00 M</td> <td>823.045000 M</td> <td>-43.21</td> <td>-30.21</td> </tr> <tr> <td>1.000 G</td> <td>3.000 G</td> <td>1.00 M</td> <td>3.051545 G</td> <td>-41.61</td> <td>-28.61</td> </tr> <tr> <td>3.000 G</td> <td>7.000 G</td> <td>1.00 M</td> <td>3.935042 G</td> <td>-33.34</td> <td>-20.34</td> </tr> <tr> <td>7.000 G</td> <td>13.000 G</td> <td>1.00 M</td> <td>5.105000 G</td> <td>-37.96</td> <td>-24.96</td> </tr> <tr> <td>13.000 G</td> <td>19.100 G</td> <td>1.00 M</td> <td>12.662800 G</td> <td>-35.32</td> <td>-22.32</td> </tr> <tr> <td>19.100 G</td> <td>19.100 G</td> <td>1.00 M</td> <td>15.136600 G</td> <td>-26.32</td> <td>-13.32</td> </tr> </tbody> </table> <p>Date: 14.JUN.2018 19:11:18</p> | Start | Stop | RBW | Freq | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30.000 M | 1.000 G | 1.00 M | 823.045000 M | -43.21 | -30.21 | 1.000 G | 3.000 G | 1.00 M | 3.051545 G | -41.61 | -28.61 | 3.000 G | 7.000 G | 1.00 M | 3.935042 G | -33.34 | -20.34 | 7.000 G | 13.000 G | 1.00 M | 5.105000 G | -37.96 | -24.96 | 13.000 G | 19.100 G | 1.00 M | 12.662800 G | -35.32 | -22.32 | 19.100 G | 19.100 G | 1.00 M | 15.136600 G | -26.32 | -13.32 |
| Start   | Stop                         | RBW    | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| [Hz]  | [Hz]                         | [Hz]   | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 30.000 M  | 820.000 M                    | 1.00 M | 634.952000 M | -44.50 | -31.50 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 855.000 M   | 1.000 G                      | 1.00 M | 855.761200 M | -43.38 | -30.38 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 1.000 G   | 3.000 G                      | 1.00 M | 2.862000 G   | -42.08 | -29.08 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 3.000 G   | 7.000 G                      | 1.00 M | 3.093000 G   | -38.98 | -25.98 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 7.000 G   | 9.000 G                      | 1.00 M | 7.539000 G   | -36.34 | -23.34 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| Start   | Stop                         | RBW    | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| [Hz]  | [Hz]                         | [Hz]   | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 30.000 M  | 1.000 G                      | 1.00 M | 823.045000 M | -43.21 | -30.21 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 1.000 G   | 3.000 G                      | 1.00 M | 3.051545 G   | -41.61 | -28.61 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 3.000 G   | 7.000 G                      | 1.00 M | 3.935042 G   | -33.34 | -20.34 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 7.000 G   | 13.000 G                     | 1.00 M | 5.105000 G   | -37.96 | -24.96 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 13.000 G  | 19.100 G                     | 1.00 M | 12.662800 G  | -35.32 | -22.32 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |
| 19.100 G  | 19.100 G                     | 1.00 M | 15.136600 G  | -26.32 | -13.32 |        |      |      |      |      |       |      |          |           |        |              |        |        |           |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |         |        |            |        |        |   |       |      |     |      |        |        |      |      |      |      |       |      |          |         |        |              |        |        |         |         |        |            |        |        |         |         |        |            |        |        |         |          |        |            |        |        |          |          |        |             |        |        |          |          |        |             |        |        |



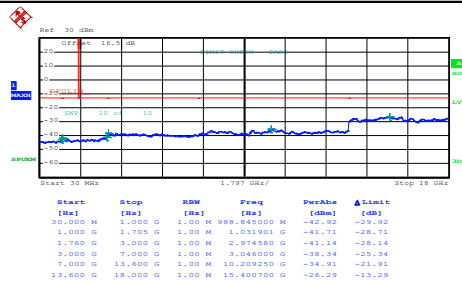
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



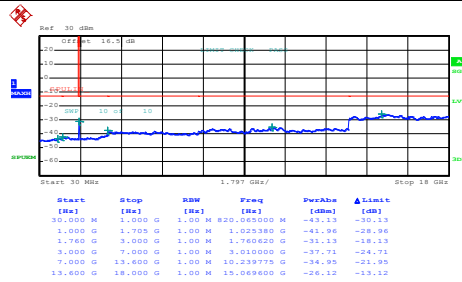
Date: 14.JUN.2018 19:26:47

Middle Channel



Date: 14.JUN.2018 19:27:36

Highest Channel



Date: 14.JUN.2018 19:28:26



Frequency Stability

| Test Conditions  | Middle Channel    | WCDMA Band V<br>(RMC 12.2Kbps) | Limit<br>2.5ppm |
|------------------|-------------------|--------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                | Result          |
| 50               | Normal Voltage    | 0.0024                         | PASS            |
| 40               | Normal Voltage    | 0.0024                         |                 |
| 30               | Normal Voltage    | 0.0000                         |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                 |
| 10               | Normal Voltage    | 0.0000                         |                 |
| 0                | Normal Voltage    | 0.0036                         |                 |
| -10              | Normal Voltage    | 0.0012                         |                 |
| -20              | Normal Voltage    | 0.0012                         |                 |
| -30              | Normal Voltage    | 0.0012                         |                 |
| 20               | Maximum Voltage   | 0.0179                         |                 |
| 20               | Normal Voltage    | 0.0000                         |                 |
| 20               | Battery End Point | 0.0179                         |                 |

| 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    | 0.0053                          | PASS             |
| 40               | Normal Voltage    | 0.0021                          |                  |
| 30               | Normal Voltage    | 0.0021                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0000                          |                  |
| 0                | Normal Voltage    | 0.0000                          |                  |
| -10              | Normal Voltage    | 0.0016                          |                  |
| -20              | Normal Voltage    | 0.0021                          |                  |
| -30              | Normal Voltage    | 0.0043                          |                  |
| 20               | Maximum Voltage   | 0.0027                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0016                          |                  |





| 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    | 0.0023                          | PASS             |
| 40               | Normal Voltage    | 0.0017                          |                  |
| 30               | Normal Voltage    | 0.0000                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0000                          |                  |
| 0                | Normal Voltage    | 0.0012                          |                  |
| -10              | Normal Voltage    | 0.0012                          |                  |
| -20              | Normal Voltage    | 0.0006                          |                  |
| -30              | Normal Voltage    | 0.0006                          |                  |
| 20               | Maximum Voltage   | 0.0052                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0058                          |                  |

**Note:**

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 V
- 2. The frequency fundamental emissions stay within the authorized frequency block



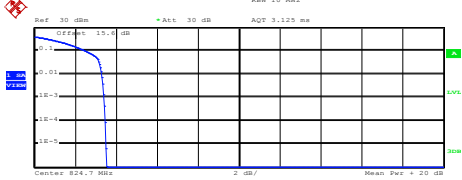
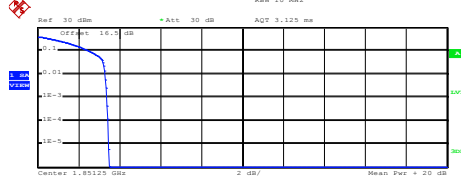
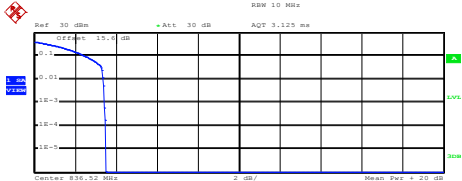
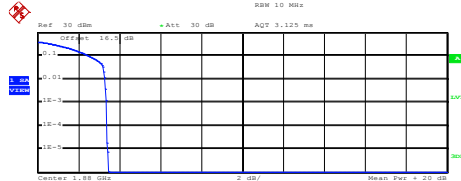
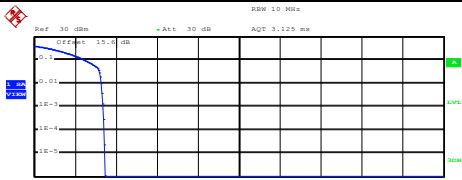
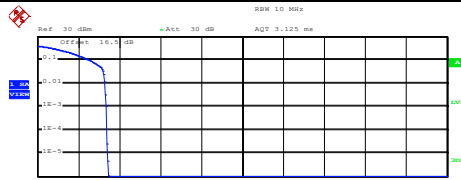
## A4. CDMA

### Peak-to-Average Ratio

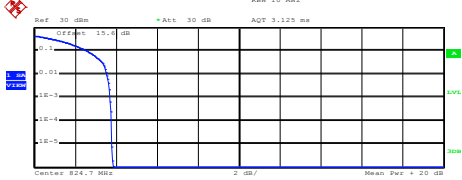
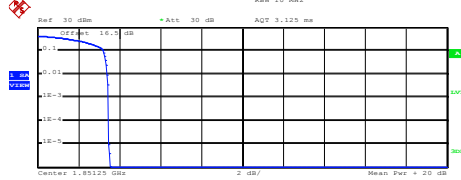
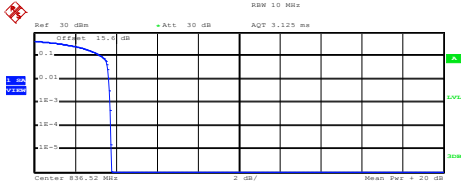
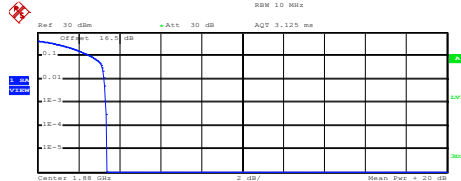
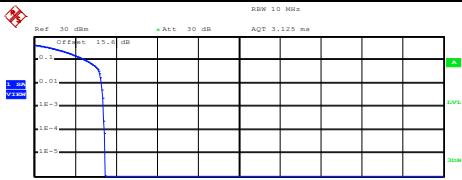
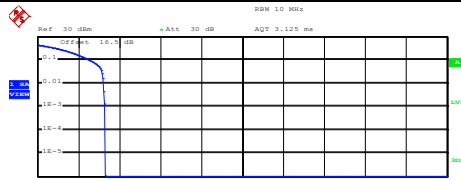
| Mode       | CDMA BC0 | CDMA BC1 | Limit: 13dB |
|------------|----------|----------|-------------|
| Mod.       | 1xRTT    | 1xRTT    | Result      |
| Lowest CH  | 3.40     | 3.40     | PASS        |
| Middle CH  | 3.44     | 3.36     |             |
| Highest CH | 3.36     | 3.36     |             |

| Mode       | CDMA BC0       | CDMA BC1       | Limit: 13dB |
|------------|----------------|----------------|-------------|
| Mod.       | 1xEV-DO Rev. 0 | 1xEV-DO Rev. 0 | Result      |
| Lowest CH  | 3.72           | 3.48           | PASS        |
| Middle CH  | 3.72           | 3.32           |             |
| Highest CH | 3.40           | 3.28           |             |



| CDMA BC0 (1xRTT)   | CDMA BC1 (1xRTT) |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
|--|------------------|---------|-----|---------|------|---------|-------|---------|--|------|---------|-----|---------|------|---------|-------|---------|
| <p align="center"><b>Lowest Channel</b></p>  <p>Center 824.7 MHz</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 24.06 dBm<br/>Peak 27.57 dBm<br/>Crest 3.52 dB</p> <table border="1"> <tr><td>10 %</td><td>2.56 dB</td></tr> <tr><td>1 %</td><td>3.32 dB</td></tr> <tr><td>.1 %</td><td>3.40 dB</td></tr> <tr><td>.01 %</td><td>3.48 dB</td></tr> </table> <p>Date: 15.JUN.2018 12:42:32</p>     | 10 %             | 2.56 dB | 1 % | 3.32 dB | .1 % | 3.40 dB | .01 % | 3.48 dB | <p align="center"><b>Lowest Channel</b></p>  <p>Center 1.85123 GHz</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 22.78 dBm<br/>Peak 26.30 dBm<br/>Crest 3.52 dB</p> <table border="1"> <tr><td>10 %</td><td>2.56 dB</td></tr> <tr><td>1 %</td><td>3.32 dB</td></tr> <tr><td>.1 %</td><td>3.40 dB</td></tr> <tr><td>.01 %</td><td>3.44 dB</td></tr> </table> <p>Date: 15.JUN.2018 12:29:29</p>    | 10 % | 2.56 dB | 1 % | 3.32 dB | .1 % | 3.40 dB | .01 % | 3.44 dB |
| 10 %   | 2.56 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 3.32 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.40 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.48 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %   | 2.56 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 3.32 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.40 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.44 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| <p align="center"><b>Middle Channel</b></p>  <p>Center 836.52 MHz</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.92 dBm<br/>Peak 27.43 dBm<br/>Crest 3.51 dB</p> <table border="1"> <tr><td>10 %</td><td>2.52 dB</td></tr> <tr><td>1 %</td><td>3.36 dB</td></tr> <tr><td>.1 %</td><td>3.44 dB</td></tr> <tr><td>.01 %</td><td>3.48 dB</td></tr> </table> <p>Date: 15.JUN.2018 12:42:53</p>   | 10 %             | 2.52 dB | 1 % | 3.36 dB | .1 % | 3.44 dB | .01 % | 3.48 dB | <p align="center"><b>Middle Channel</b></p>  <p>Center 1.88 GHz</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 21.92 dBm<br/>Peak 25.38 dBm<br/>Crest 3.46 dB</p> <table border="1"> <tr><td>10 %</td><td>2.56 dB</td></tr> <tr><td>1 %</td><td>3.28 dB</td></tr> <tr><td>.1 %</td><td>3.36 dB</td></tr> <tr><td>.01 %</td><td>3.40 dB</td></tr> </table> <p>Date: 15.JUN.2018 12:29:42</p>      | 10 % | 2.56 dB | 1 % | 3.28 dB | .1 % | 3.36 dB | .01 % | 3.40 dB |
| 10 %   | 2.52 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 3.36 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.44 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.48 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %   | 2.56 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 3.28 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.36 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.40 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| <p align="center"><b>Highest Channel</b></p>  <p>Center 848.31 MHz</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.64 dBm<br/>Peak 27.08 dBm<br/>Crest 3.44 dB</p> <table border="1"> <tr><td>10 %</td><td>2.52 dB</td></tr> <tr><td>1 %</td><td>3.28 dB</td></tr> <tr><td>.1 %</td><td>3.36 dB</td></tr> <tr><td>.01 %</td><td>3.44 dB</td></tr> </table> <p>Date: 15.JUN.2018 12:43:07</p> | 10 %             | 2.52 dB | 1 % | 3.28 dB | .1 % | 3.36 dB | .01 % | 3.44 dB | <p align="center"><b>Highest Channel</b></p>  <p>Center 1.90875 GHz</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.00 dBm<br/>Peak 26.44 dBm<br/>Crest 3.44 dB</p> <table border="1"> <tr><td>10 %</td><td>2.56 dB</td></tr> <tr><td>1 %</td><td>3.28 dB</td></tr> <tr><td>.1 %</td><td>3.36 dB</td></tr> <tr><td>.01 %</td><td>3.40 dB</td></tr> </table> <p>Date: 15.JUN.2018 12:29:55</p> | 10 % | 2.56 dB | 1 % | 3.28 dB | .1 % | 3.36 dB | .01 % | 3.40 dB |
| 10 %   | 2.52 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 3.28 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.36 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.44 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 10 %   | 2.56 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| 1 %  | 3.28 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .1 %   | 3.36 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |
| .01 %  | 3.40 dB          |         |     |         |      |         |       |         |  |      |         |     |         |      |         |       |         |



| CDMA BC0 (1xEV-DO Rev. 0)   | CDMA BC1 (1xEV-DO Rev. 0) |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
|---|---------------------------|---------|-----|---------|------|---------|-------|---------|---|------|---------|-----|---------|------|---------|-------|---------|
| <p align="center"><b>Lowest Channel</b></p>  <p>Center 824.7 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 24.12 dBm<br/>Peak 27.96 dBm<br/>Crest 3.85 dB</p> <table border="1"> <tr><td>10 %</td><td>2.60 dB</td></tr> <tr><td>1 %</td><td>3.56 dB</td></tr> <tr><td>.1 %</td><td>3.72 dB</td></tr> <tr><td>.01 %</td><td>3.80 dB</td></tr> </table> <p>Date: 26.JUN.2018 22:06:42</p>     | 10 %                      | 2.60 dB | 1 % | 3.56 dB | .1 % | 3.72 dB | .01 % | 3.80 dB | <p align="center"><b>Lowest Channel</b></p>  <p>Center 1.85123 GHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 24.14 dBm<br/>Peak 27.68 dBm<br/>Crest 3.54 dB</p> <table border="1"> <tr><td>10 %</td><td>3.20 dB</td></tr> <tr><td>1 %</td><td>3.40 dB</td></tr> <tr><td>.1 %</td><td>3.48 dB</td></tr> <tr><td>.01 %</td><td>3.48 dB</td></tr> </table> <p>Date: 26.JUN.2018 22:20:21</p>    | 10 % | 3.20 dB | 1 % | 3.40 dB | .1 % | 3.48 dB | .01 % | 3.48 dB |
| 10 %  | 2.60 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %   | 3.56 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %  | 3.72 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %   | 3.80 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 10 %  | 3.20 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %   | 3.40 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %  | 3.48 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %   | 3.48 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| <p align="center"><b>Middle Channel</b></p>  <p>Center 836.52 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 24.03 dBm<br/>Peak 27.82 dBm<br/>Crest 3.79 dB</p> <table border="1"> <tr><td>10 %</td><td>3.28 dB</td></tr> <tr><td>1 %</td><td>3.64 dB</td></tr> <tr><td>.1 %</td><td>3.72 dB</td></tr> <tr><td>.01 %</td><td>3.76 dB</td></tr> </table> <p>Date: 26.JUN.2018 22:06:54</p>   | 10 %                      | 3.28 dB | 1 % | 3.64 dB | .1 % | 3.72 dB | .01 % | 3.76 dB | <p align="center"><b>Middle Channel</b></p>  <p>Center 1.88 GHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 24.59 dBm<br/>Peak 27.96 dBm<br/>Crest 3.37 dB</p> <table border="1"> <tr><td>10 %</td><td>2.60 dB</td></tr> <tr><td>1 %</td><td>3.24 dB</td></tr> <tr><td>.1 %</td><td>3.32 dB</td></tr> <tr><td>.01 %</td><td>3.40 dB</td></tr> </table> <p>Date: 26.JUN.2018 22:20:34</p>      | 10 % | 2.60 dB | 1 % | 3.24 dB | .1 % | 3.32 dB | .01 % | 3.40 dB |
| 10 %  | 3.28 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %   | 3.64 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %  | 3.72 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %   | 3.76 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 10 %  | 2.60 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %   | 3.24 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %  | 3.32 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %   | 3.40 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| <p align="center"><b>Highest Channel</b></p>  <p>Center 848.31 MHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 23.93 dBm<br/>Peak 27.40 dBm<br/>Crest 3.47 dB</p> <table border="1"> <tr><td>10 %</td><td>2.52 dB</td></tr> <tr><td>1 %</td><td>3.28 dB</td></tr> <tr><td>.1 %</td><td>3.40 dB</td></tr> <tr><td>.01 %</td><td>3.44 dB</td></tr> </table> <p>Date: 26.JUN.2018 22:07:06</p> | 10 %                      | 2.52 dB | 1 % | 3.28 dB | .1 % | 3.40 dB | .01 % | 3.44 dB | <p align="center"><b>Highest Channel</b></p>  <p>Center 1.92875 GHz      2 dB/      Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)<br/>Trace 1<br/>Mean 24.23 dBm<br/>Peak 27.54 dBm<br/>Crest 3.31 dB</p> <table border="1"> <tr><td>10 %</td><td>2.60 dB</td></tr> <tr><td>1 %</td><td>3.24 dB</td></tr> <tr><td>.1 %</td><td>3.28 dB</td></tr> <tr><td>.01 %</td><td>3.32 dB</td></tr> </table> <p>Date: 26.JUN.2018 22:20:48</p> | 10 % | 2.60 dB | 1 % | 3.24 dB | .1 % | 3.28 dB | .01 % | 3.32 dB |
| 10 %  | 2.52 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %   | 3.28 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %  | 3.40 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %   | 3.44 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 10 %  | 2.60 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| 1 %   | 3.24 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .1 %  | 3.28 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |
| .01 %   | 3.32 dB                   |         |     |         |      |         |       |         |   |      |         |     |         |      |         |       |         |



**26dB Bandwidth**

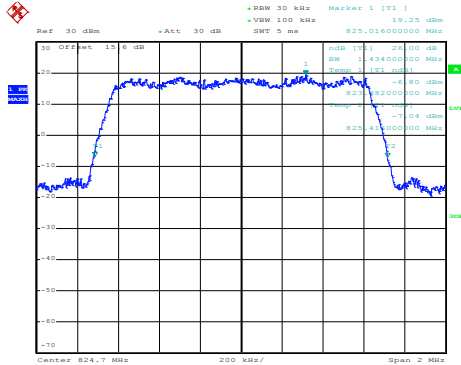
| Mode       | CDMA BC0<br>26dB BW(MHz) | CDMA BC1<br>26dB BW(MHz) |
|------------|--------------------------|--------------------------|
| Mod.       | 1xRTT                    | 1xRTT                    |
| Lowest CH  | 1.43                     | 1.43                     |
| Middle CH  | 1.43                     | 1.43                     |
| Highest CH | 1.44                     | 1.44                     |

| Mode       | CDMA BC0<br>26dB BW(MHz) | CDMA BC1<br>26dB BW(MHz) |
|------------|--------------------------|--------------------------|
| Mod.       | 1xEV-DO Rev. 0           | 1xEV-DO Rev. 0           |
| Lowest CH  | 1.43                     | 1.43                     |
| Middle CH  | 1.43                     | 1.43                     |
| Highest CH | 1.44                     | 1.43                     |



CDMA BC0 (1xRTT)

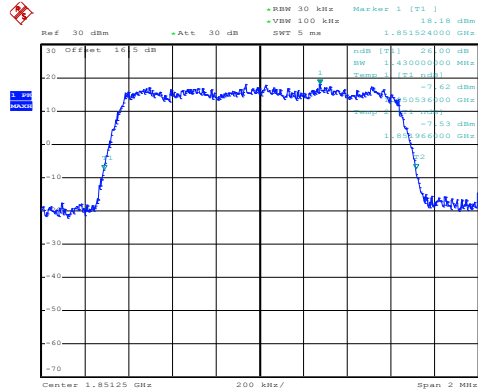
Lowest Channel



Date: 15.JUN.2018 12:41:04

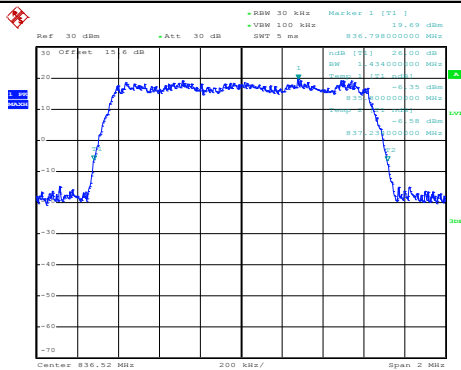
CDMA BC1 (1xRTT)

Lowest Channel



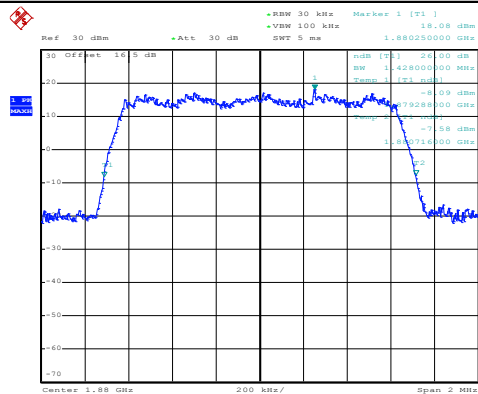
Date: 15.JUN.2018 12:04:50

Middle Channel



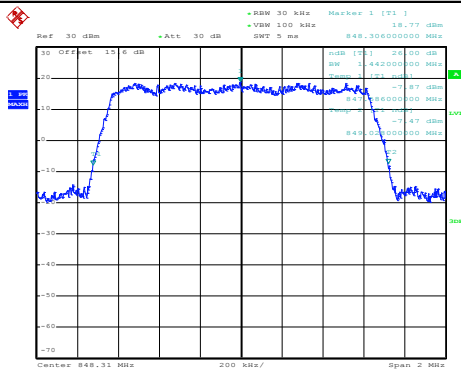
Date: 15.JUN.2018 12:41:39

Middle Channel



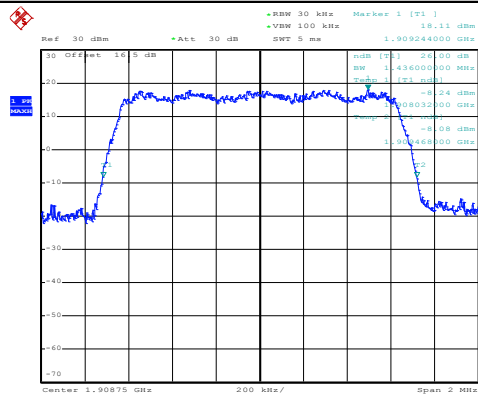
Date: 15.JUN.2018 12:05:26

Highest Channel

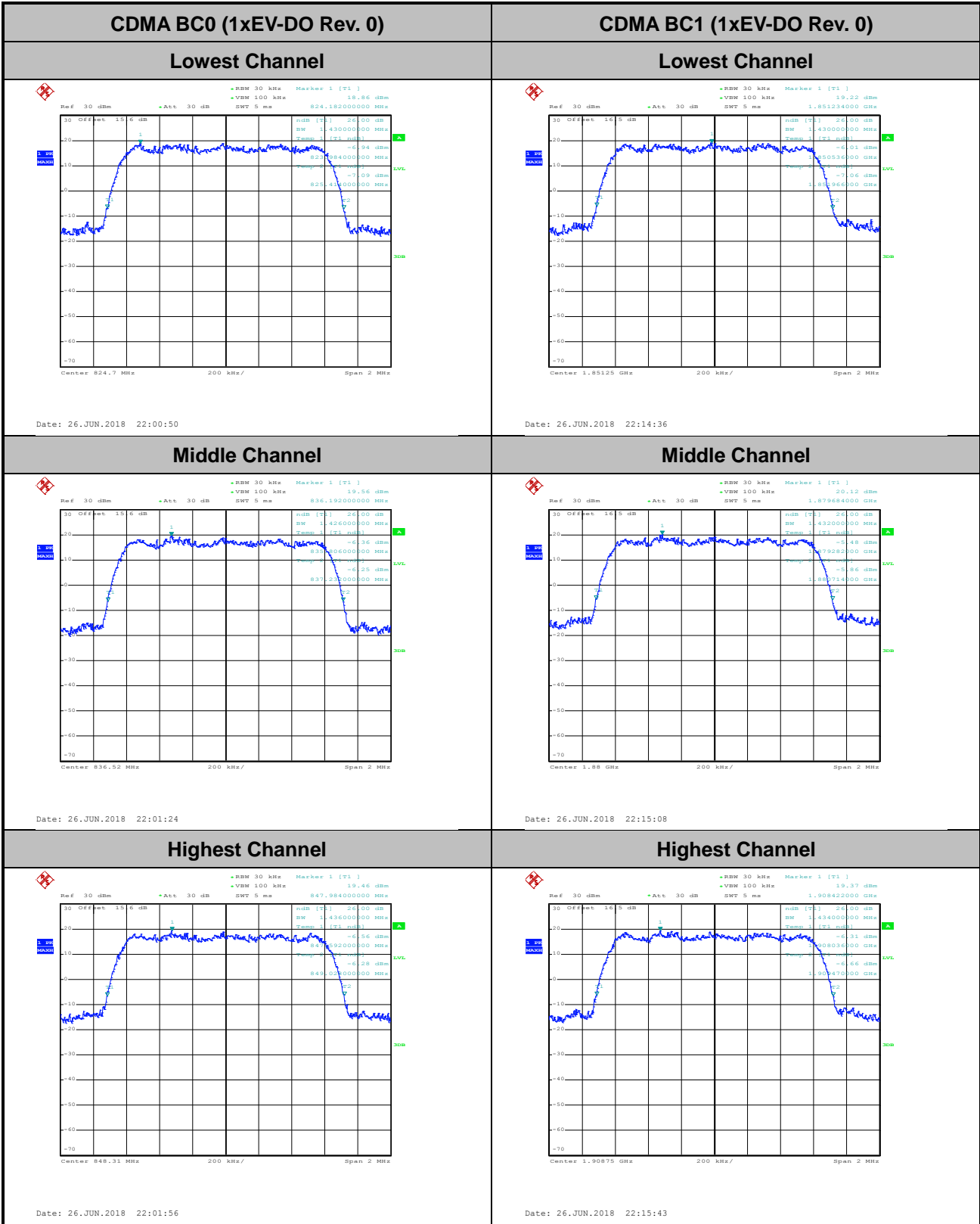


Date: 15.JUN.2018 12:42:11

Highest Channel



Date: 15.JUN.2018 12:05:59





**Occupied Bandwidth**

| Mode       | CDMA BC0<br>99% OBW(MHz) | CDMA BC1<br>99% OBW(MHz) |
|------------|--------------------------|--------------------------|
| Mod.       | 1xRTT                    | 1xRTT                    |
| Lowest CH  | 1.28                     | 1.28                     |
| Middle CH  | 1.28                     | 1.28                     |
| Highest CH | 1.28                     | 1.28                     |

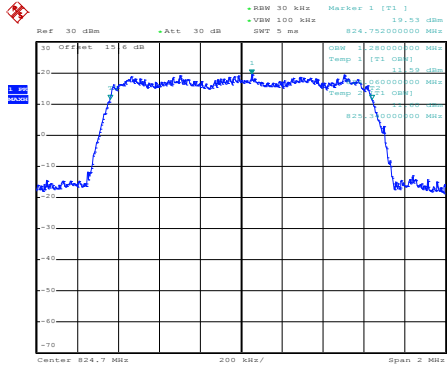
| Mode       | CDMA BC0<br>99% OBW(MHz) | CDMA BC1<br>99% OBW(MHz) |
|------------|--------------------------|--------------------------|
| Mod.       | 1xEV-DO Rev. 0           | 1xEV-DO Rev. 0           |
| Lowest CH  | 1.27                     | 1.28                     |
| Middle CH  | 1.28                     | 1.28                     |
| Highest CH | 1.28                     | 1.28                     |





CDMA BC0 (1xRTT)

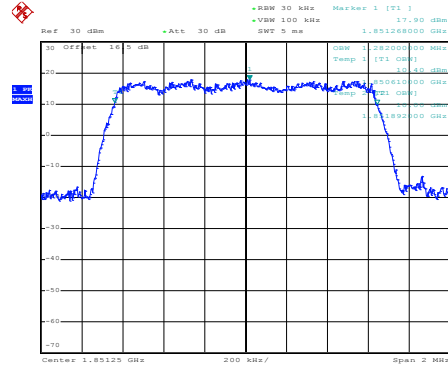
Lowest Channel



Date: 15.JUN.2018 12:43:44

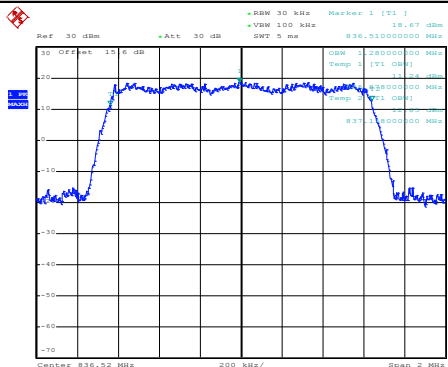
CDMA BC1 (1xRTT)

Lowest Channel



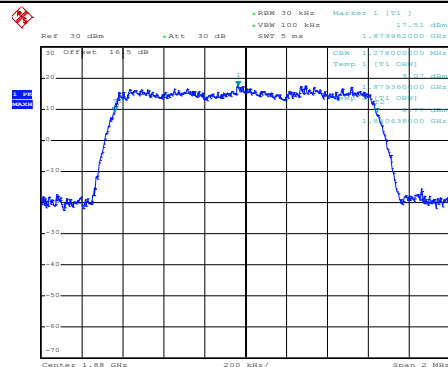
Date: 15.JUN.2018 12:21:01

Middle Channel



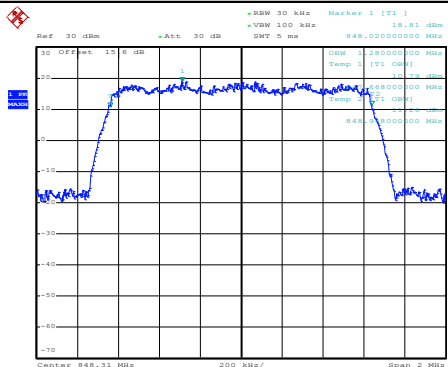
Date: 15.JUN.2018 12:44:23

Middle Channel



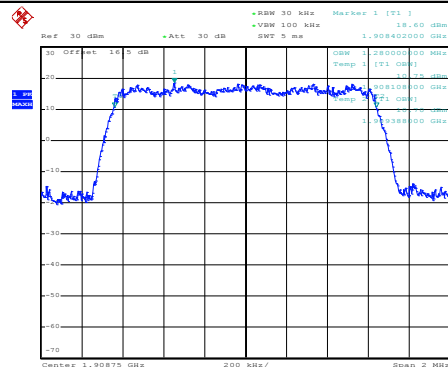
Date: 15.JUN.2018 12:22:22

Highest Channel

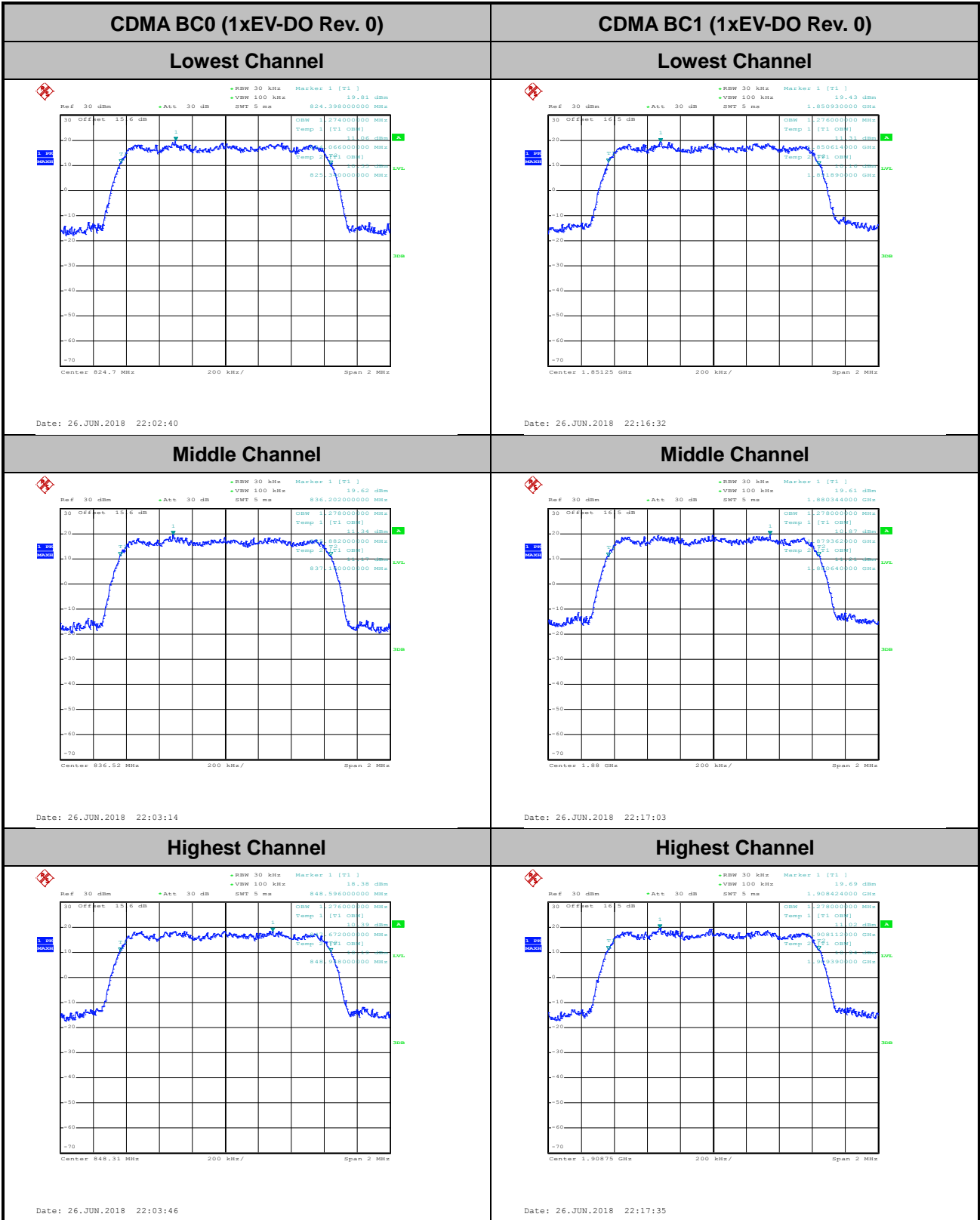


Date: 15.JUN.2018 12:44:55

Highest Channel



Date: 15.JUN.2018 12:29:16

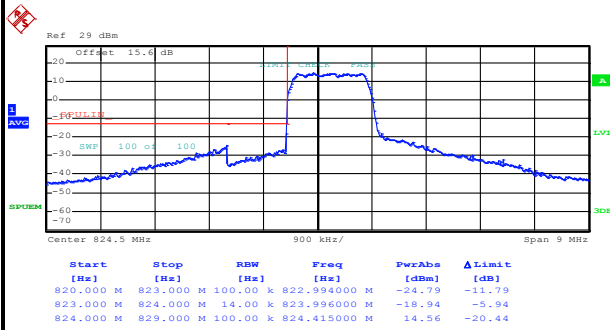




# Conducted Band Edge

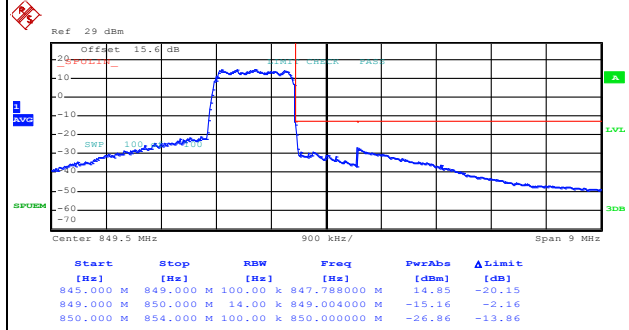
## CDMA BC0 (1xRTT)

### Lowest Band Edge



Date: 15.JUN.2018 12:48:00

### Highest Band Edge



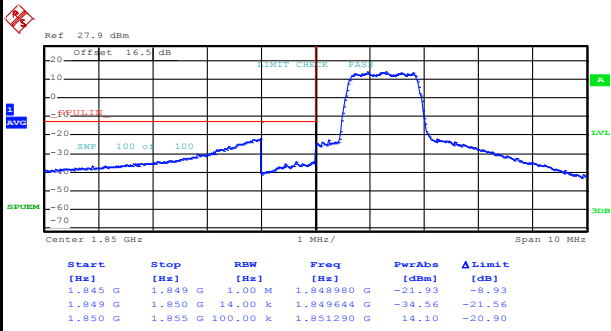
Date: 15.JUN.2018 12:50:47



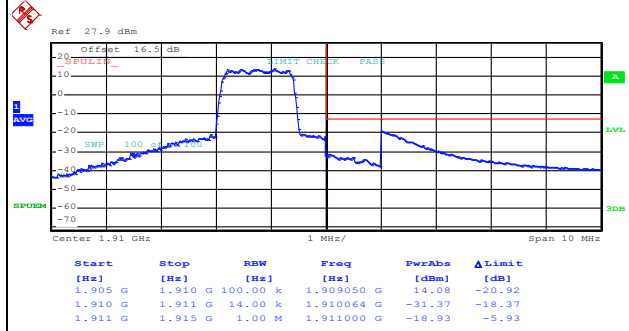
CDMA BC1 (1xRTT)

Lowest Band Edge

Highest Band Edge



Date: 15.JUN.2018 12:32:43



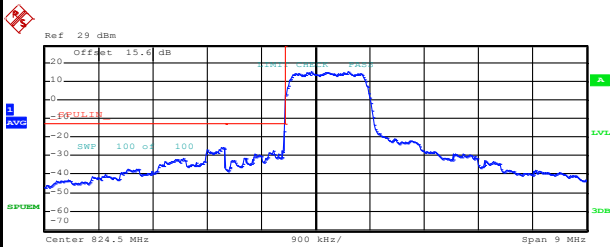
Date: 15.JUN.2018 12:35:54



CDMA BC0 (1xEV-DO Rev. 0)

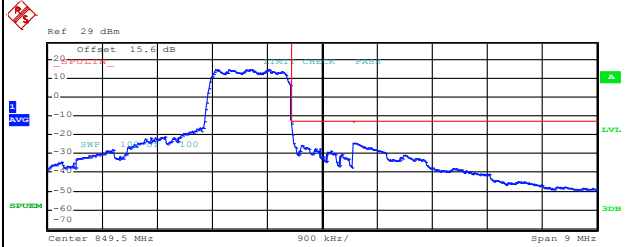
Lowest Band Edge

Highest Band Edge



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 820.000 M  | 823.000 M | 100.00 k | 822.961000 M | -25.76       | -12.76      |
| 823.000 M  | 824.000 M | 14.00 k  | 823.996000 M | -19.06       | -6.06       |
| 824.000 M  | 829.000 M | 100.00 k | 824.415000 M | 15.11        | -19.89      |

Date: 26.JUN.2018 22:10:01



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 845.000 M  | 849.000 M | 100.00 k | 848.312000 M | 14.87        | -20.13      |
| 849.000 M  | 850.000 M | 14.00 k  | 849.008000 M | -14.30       | -11.30      |
| 850.000 M  | 854.000 M | 100.00 k | 850.004000 M | -24.24       | -11.24      |

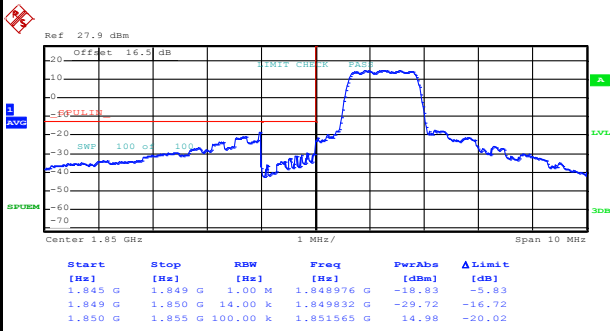
Date: 26.JUN.2018 22:12:48



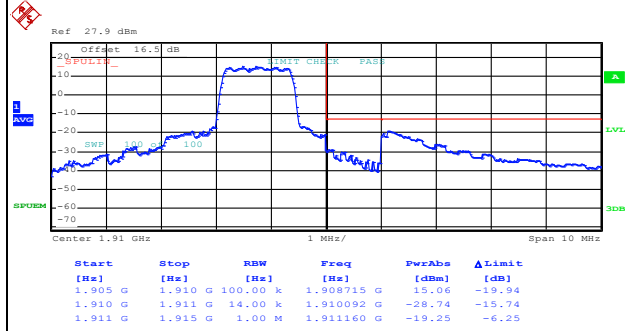
CDMA BC1 (1xEV-DO Rev. 0)

Lowest Band Edge

Highest Band Edge



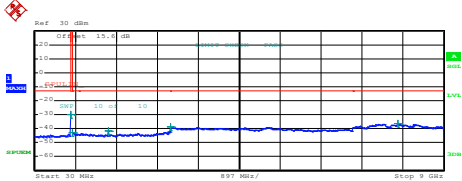
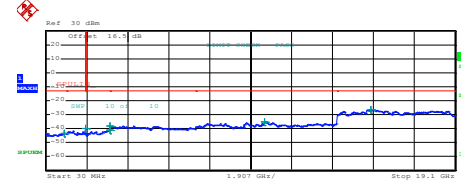
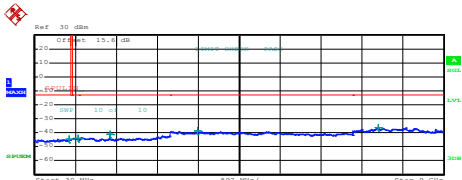
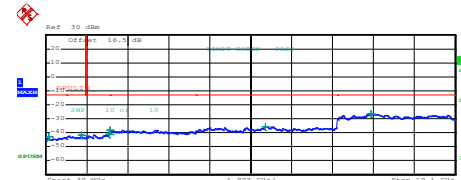
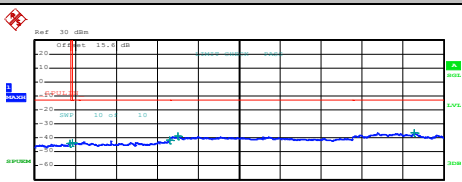
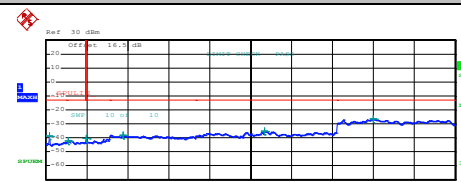
Date: 26.JUN.2018 22:23:36



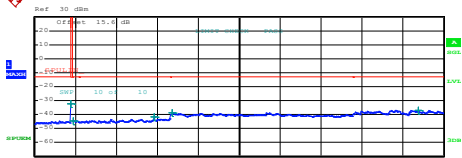
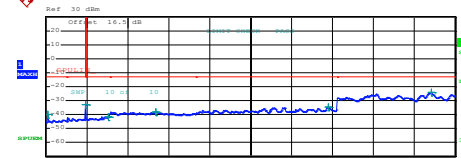
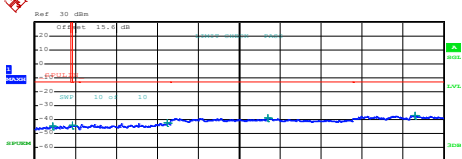
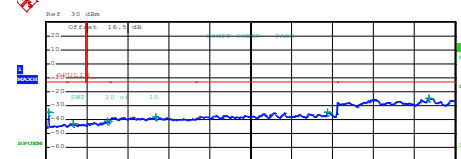
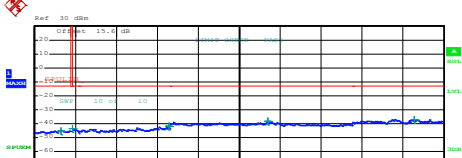
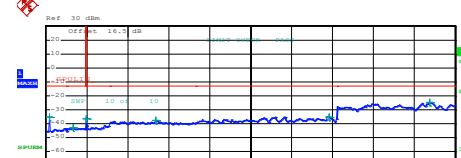
Date: 26.JUN.2018 22:26:24



# Conducted Spurious Emission

| CDMA BC0 (1xRTT)  | CDMA BC1 (1xRTT) |         |              |        |        |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|---|------------------|---------|--------------|--------|--------|-------|------|------|------|------|-------|------|----------|-----------|---------|--------------|--------|--------|-----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|--|-------|------|-----|------|-------|-------|------|------|------|------|-------|------|----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|----------|---------|-------------|--------|--------|----------|----------|---------|-------------|--------|--------|
| Lowest Channel  | Lowest Channel   |         |              |        |        |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 660 654 739"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>Power</th> <th>Limit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>816,407500 M</td> <td>-29.65</td> <td>-30.55</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 G</td> <td>856,987500 M</td> <td>-42.93</td> <td>-29.93</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,600000 G</td> <td>-42.56</td> <td>-28.50</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,003000 G</td> <td>-38.90</td> <td>-25.90</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>7,998000 G</td> <td>-36.64</td> <td>-23.64</td> </tr> </tbody> </table> <p>Date: 15.JUN.2018 12:38:34</p>     | Start            | Stop    | RBW          | Freq   | Power  | Limit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 820,000 M | 1,000 M | 816,407500 M | -29.65 | -30.55 | 855,000 M | 1,000 G | 1,000 G | 856,987500 M | -42.93 | -29.93 | 1,000 G | 3,000 G | 1,000 M | 1,600000 G | -42.56 | -28.50 | 3,000 G | 7,000 G | 1,000 M | 3,003000 G | -38.90 | -25.90 | 7,000 G | 9,000 G | 1,000 M | 7,998000 G | -36.64 | -23.64 |  <table border="1" data-bbox="877 660 1292 739"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>Power</th> <th>Limit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>855,655000 M</td> <td>-43.17</td> <td>-30.17</td> </tr> <tr> <td>1,000 G</td> <td>3,945 G</td> <td>1,000 M</td> <td>1,843733 G</td> <td>-39.71</td> <td>-26.71</td> </tr> <tr> <td>1,915 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,992660 G</td> <td>-41.30</td> <td>-28.30</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,003000 G</td> <td>-38.17</td> <td>-25.17</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,210990 G</td> <td>-35.44</td> <td>-22.44</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>15,108875 G</td> <td>-26.40</td> <td>-13.40</td> </tr> </tbody> </table> <p>Date: 15.JUN.2018 12:06:54</p>     | Start | Stop | RBW | Freq | Power | Limit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 1,000 G | 1,000 M | 855,655000 M | -43.17 | -30.17 | 1,000 G | 3,945 G | 1,000 M | 1,843733 G | -39.71 | -26.71 | 1,915 G | 3,000 G | 1,000 M | 2,992660 G | -41.30 | -28.30 | 3,000 G | 7,000 G | 1,000 M | 3,003000 G | -38.17 | -25.17 | 7,000 G | 13,600 G | 1,000 M | 10,210990 G | -35.44 | -22.44 | 13,600 G | 19,100 G | 1,000 M | 15,108875 G | -26.40 | -13.40 |
| Start   | Stop             | RBW     | Freq         | Power  | Limit  |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]  | [Hz]             | [Hz]    | [Hz]         | [dBm]  | [dB]   |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 820,000 M        | 1,000 M | 816,407500 M | -29.65 | -30.55 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M   | 1,000 G          | 1,000 G | 856,987500 M | -42.93 | -29.93 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,000 G          | 1,000 M | 1,600000 G   | -42.56 | -28.50 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G          | 1,000 M | 3,003000 G   | -38.90 | -25.90 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 9,000 G          | 1,000 M | 7,998000 G   | -36.64 | -23.64 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start   | Stop             | RBW     | Freq         | Power  | Limit  |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]  | [Hz]             | [Hz]    | [Hz]         | [dBm]  | [dB]   |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G          | 1,000 M | 855,655000 M | -43.17 | -30.17 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,945 G          | 1,000 M | 1,843733 G   | -39.71 | -26.71 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,915 G   | 3,000 G          | 1,000 M | 2,992660 G   | -41.30 | -28.30 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G          | 1,000 M | 3,003000 G   | -38.17 | -25.17 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G         | 1,000 M | 10,210990 G  | -35.44 | -22.44 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G         | 1,000 M | 15,108875 G  | -26.40 | -13.40 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Middle Channel  | Middle Channel   |         |              |        |        |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1176 654 1254"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>Power</th> <th>Limit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>790,770000 M</td> <td>-44.31</td> <td>-31.31</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>987,132000 M</td> <td>-43.90</td> <td>-30.90</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,673500 G</td> <td>-41.08</td> <td>-28.08</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,029000 G</td> <td>-38.97</td> <td>-25.97</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>7,962500 G</td> <td>-36.23</td> <td>-23.23</td> </tr> </tbody> </table> <p>Date: 15.JUN.2018 12:39:24</p>  | Start            | Stop    | RBW          | Freq   | Power  | Limit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 820,000 M | 1,000 M | 790,770000 M | -44.31 | -31.31 | 855,000 M | 1,000 G | 1,000 M | 987,132000 M | -43.90 | -30.90 | 1,000 G | 3,000 G | 1,000 M | 1,673500 G | -41.08 | -28.08 | 3,000 G | 7,000 G | 1,000 M | 3,029000 G | -38.97 | -25.97 | 7,000 G | 9,000 G | 1,000 M | 7,962500 G | -36.23 | -23.23 |  <table border="1" data-bbox="877 1176 1292 1254"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>Power</th> <th>Limit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>141,550000 M</td> <td>-42.64</td> <td>-29.64</td> </tr> <tr> <td>1,000 G</td> <td>3,845 G</td> <td>1,000 M</td> <td>1,673200 G</td> <td>-41.36</td> <td>-28.36</td> </tr> <tr> <td>1,915 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,978842 G</td> <td>-41.14</td> <td>-28.14</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,020000 G</td> <td>-37.97</td> <td>-24.97</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,241400 G</td> <td>-35.50</td> <td>-22.50</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>15,154438 G</td> <td>-26.40</td> <td>-13.60</td> </tr> </tbody> </table> <p>Date: 15.JUN.2018 12:07:47</p>  | Start | Stop | RBW | Freq | Power | Limit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 1,000 G | 1,000 M | 141,550000 M | -42.64 | -29.64 | 1,000 G | 3,845 G | 1,000 M | 1,673200 G | -41.36 | -28.36 | 1,915 G | 3,000 G | 1,000 M | 2,978842 G | -41.14 | -28.14 | 3,000 G | 7,000 G | 1,000 M | 3,020000 G | -37.97 | -24.97 | 7,000 G | 13,600 G | 1,000 M | 10,241400 G | -35.50 | -22.50 | 13,600 G | 19,100 G | 1,000 M | 15,154438 G | -26.40 | -13.60 |
| Start   | Stop             | RBW     | Freq         | Power  | Limit  |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]  | [Hz]             | [Hz]    | [Hz]         | [dBm]  | [dB]   |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 820,000 M        | 1,000 M | 790,770000 M | -44.31 | -31.31 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M   | 1,000 G          | 1,000 M | 987,132000 M | -43.90 | -30.90 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,000 G          | 1,000 M | 1,673500 G   | -41.08 | -28.08 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G          | 1,000 M | 3,029000 G   | -38.97 | -25.97 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 9,000 G          | 1,000 M | 7,962500 G   | -36.23 | -23.23 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start   | Stop             | RBW     | Freq         | Power  | Limit  |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]  | [Hz]             | [Hz]    | [Hz]         | [dBm]  | [dB]   |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G          | 1,000 M | 141,550000 M | -42.64 | -29.64 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,845 G          | 1,000 M | 1,673200 G   | -41.36 | -28.36 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,915 G   | 3,000 G          | 1,000 M | 2,978842 G   | -41.14 | -28.14 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G          | 1,000 M | 3,020000 G   | -37.97 | -24.97 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G         | 1,000 M | 10,241400 G  | -35.50 | -22.50 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G         | 1,000 M | 15,154438 G  | -26.40 | -13.60 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Highest Channel   | Highest Channel  |         |              |        |        |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1691 654 1769"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>Power</th> <th>Limit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>808,150000 M</td> <td>-43.93</td> <td>-30.93</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>855,036250 M</td> <td>-43.13</td> <td>-30.13</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,999000 G</td> <td>-42.89</td> <td>-28.89</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,165000 G</td> <td>-38.96</td> <td>-25.96</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,349500 G</td> <td>-36.42</td> <td>-23.42</td> </tr> </tbody> </table> <p>Date: 15.JUN.2018 12:40:16</p> | Start            | Stop    | RBW          | Freq   | Power  | Limit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 820,000 M | 1,000 M | 808,150000 M | -43.93 | -30.93 | 855,000 M | 1,000 G | 1,000 M | 855,036250 M | -43.13 | -30.13 | 1,000 G | 3,000 G | 1,000 M | 2,999000 G | -42.89 | -28.89 | 3,000 G | 7,000 G | 1,000 M | 3,165000 G | -38.96 | -25.96 | 7,000 G | 9,000 G | 1,000 M | 8,349500 G | -36.42 | -23.42 |  <table border="1" data-bbox="877 1691 1292 1769"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>Power</th> <th>Limit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>170,165000 M</td> <td>-38.59</td> <td>-25.59</td> </tr> <tr> <td>1,000 G</td> <td>3,845 G</td> <td>1,000 M</td> <td>1,069079 G</td> <td>-42.30</td> <td>-29.30</td> </tr> <tr> <td>1,915 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,916200 G</td> <td>-40.29</td> <td>-27.29</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,621000 G</td> <td>-38.14</td> <td>-25.14</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,212550 G</td> <td>-35.41</td> <td>-22.41</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>15,202625 G</td> <td>-26.31</td> <td>-13.31</td> </tr> </tbody> </table> <p>Date: 15.JUN.2018 12:08:42</p> | Start | Stop | RBW | Freq | Power | Limit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 1,000 G | 1,000 M | 170,165000 M | -38.59 | -25.59 | 1,000 G | 3,845 G | 1,000 M | 1,069079 G | -42.30 | -29.30 | 1,915 G | 3,000 G | 1,000 M | 1,916200 G | -40.29 | -27.29 | 3,000 G | 7,000 G | 1,000 M | 3,621000 G | -38.14 | -25.14 | 7,000 G | 13,600 G | 1,000 M | 10,212550 G | -35.41 | -22.41 | 13,600 G | 19,100 G | 1,000 M | 15,202625 G | -26.31 | -13.31 |
| Start   | Stop             | RBW     | Freq         | Power  | Limit  |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]  | [Hz]             | [Hz]    | [Hz]         | [dBm]  | [dB]   |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 820,000 M        | 1,000 M | 808,150000 M | -43.93 | -30.93 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M   | 1,000 G          | 1,000 M | 855,036250 M | -43.13 | -30.13 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,000 G          | 1,000 M | 2,999000 G   | -42.89 | -28.89 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G          | 1,000 M | 3,165000 G   | -38.96 | -25.96 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 9,000 G          | 1,000 M | 8,349500 G   | -36.42 | -23.42 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start   | Stop             | RBW     | Freq         | Power  | Limit  |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]  | [Hz]             | [Hz]    | [Hz]         | [dBm]  | [dB]   |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G          | 1,000 M | 170,165000 M | -38.59 | -25.59 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,845 G          | 1,000 M | 1,069079 G   | -42.30 | -29.30 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,915 G   | 3,000 G          | 1,000 M | 1,916200 G   | -40.29 | -27.29 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G          | 1,000 M | 3,621000 G   | -38.14 | -25.14 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G         | 1,000 M | 10,212550 G  | -35.41 | -22.41 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G         | 1,000 M | 15,202625 G  | -26.31 | -13.31 |       |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |  |       |      |     |      |       |       |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |



| CDMA BC0 (1xEV-DO Rev. 0)  | CDMA BC1 (1xEV-DO Rev. 0) |           |              |              |              |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|--|---------------------------|-----------|--------------|--------------|--------------|-------------|----------|-----------|---------|--------------|--------|--------|-----------|---------|---------|--------------|--------|--------|---------|---------|---------|-------------|--------|--------|---------|---------|---------|-------------|--------|--------|---------|---------|---------|-------------|--------|--------|--|------------|-----------|----------|-----------|--------------|-------------|----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|----------|---------|-------------|--------|--------|----------|----------|---------|-------------|--------|--------|
| Lowest Channel   | Lowest Channel            |           |              |              |              |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 571 638 660"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAve [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>820,000 M</td><td>1,000 M</td><td>810,012500 M</td><td>-32.45</td><td>-31.45</td></tr> <tr><td>855,000 M</td><td>1,000 G</td><td>1,000 M</td><td>876,713751 M</td><td>-44.33</td><td>-31.31</td></tr> <tr><td>1,000 G</td><td>3,000 G</td><td>1,000 M</td><td>2,0303000 G</td><td>-42.50</td><td>-28.50</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,0306000 G</td><td>-38.58</td><td>-25.58</td></tr> <tr><td>7,000 G</td><td>9,000 G</td><td>1,000 M</td><td>8,4445000 G</td><td>-36.87</td><td>-23.87</td></tr> </tbody> </table> <p>Date: 26.JUN.2018 22:04:42</p>   | Start [Hz]                | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 820,000 M | 1,000 M | 810,012500 M | -32.45 | -31.45 | 855,000 M | 1,000 G | 1,000 M | 876,713751 M | -44.33 | -31.31 | 1,000 G | 3,000 G | 1,000 M | 2,0303000 G | -42.50 | -28.50 | 3,000 G | 7,000 G | 1,000 M | 5,0306000 G | -38.58 | -25.58 | 7,000 G | 9,000 G | 1,000 M | 8,4445000 G | -36.87 | -23.87 |  <table border="1" data-bbox="877 571 1276 660"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAve [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>112,652500 M</td><td>-39.60</td><td>-26.60</td></tr> <tr><td>1,000 G</td><td>3,000 G</td><td>1,000 M</td><td>1,844789 G</td><td>-33.06</td><td>-20.06</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,122000 G</td><td>-37.85</td><td>-24.85</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>13,171000 G</td><td>-34.71</td><td>-21.71</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>18,001375 G</td><td>-24.38</td><td>-11.38</td></tr> </tbody> </table> <p>Date: 26.JUN.2018 22:18:25</p>     | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 112,652500 M | -39.60 | -26.60 | 1,000 G | 3,000 G | 1,000 M | 1,844789 G | -33.06 | -20.06 | 3,000 G | 7,000 G | 1,000 M | 5,122000 G | -37.85 | -24.85 | 7,000 G | 13,600 G | 1,000 M | 13,171000 G | -34.71 | -21.71 | 13,600 G | 19,100 G | 1,000 M | 18,001375 G | -24.38 | -11.38 |
| Start [Hz]   | Stop [Hz]                 | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 820,000 M                 | 1,000 M   | 810,012500 M | -32.45       | -31.45       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M  | 1,000 G                   | 1,000 M   | 876,713751 M | -44.33       | -31.31       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                   | 1,000 M   | 2,0303000 G  | -42.50       | -28.50       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                   | 1,000 M   | 5,0306000 G  | -38.58       | -25.58       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 9,000 G                   | 1,000 M   | 8,4445000 G  | -36.87       | -23.87       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]   | Stop [Hz]                 | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 1,000 G                   | 1,000 M   | 112,652500 M | -39.60       | -26.60       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                   | 1,000 M   | 1,844789 G   | -33.06       | -20.06       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                   | 1,000 M   | 5,122000 G   | -37.85       | -24.85       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 13,600 G                  | 1,000 M   | 13,171000 G  | -34.71       | -21.71       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G   | 19,100 G                  | 1,000 M   | 18,001375 G  | -24.38       | -11.38       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Middle Channel   | Middle Channel            |           |              |              |              |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1086 638 1176"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAve [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>820,000 M</td><td>1,000 M</td><td>426,975000 M</td><td>-44.55</td><td>-31.55</td></tr> <tr><td>855,000 M</td><td>1,000 G</td><td>1,000 M</td><td>861,432500 M</td><td>-43.75</td><td>-30.75</td></tr> <tr><td>1,000 G</td><td>3,000 G</td><td>1,000 M</td><td>2,939000 G</td><td>-42.09</td><td>-29.09</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,115000 G</td><td>-38.78</td><td>-25.78</td></tr> <tr><td>7,000 G</td><td>9,000 G</td><td>1,000 M</td><td>8,374000 G</td><td>-37.03</td><td>-24.03</td></tr> </tbody> </table> <p>Date: 26.JUN.2018 22:05:34</p>   | Start [Hz]                | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 820,000 M | 1,000 M | 426,975000 M | -44.55 | -31.55 | 855,000 M | 1,000 G | 1,000 M | 861,432500 M | -43.75 | -30.75 | 1,000 G | 3,000 G | 1,000 M | 2,939000 G  | -42.09 | -29.09 | 3,000 G | 7,000 G | 1,000 M | 5,115000 G  | -38.78 | -25.78 | 7,000 G | 9,000 G | 1,000 M | 8,374000 G  | -37.03 | -24.03 |  <table border="1" data-bbox="877 1086 1276 1176"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAve [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>142,035000 M</td><td>-34.40</td><td>-21.40</td></tr> <tr><td>1,000 G</td><td>3,000 G</td><td>1,000 M</td><td>3,283075 G</td><td>-42.57</td><td>-29.57</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,155000 G</td><td>-37.91</td><td>-24.91</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>13,158625 G</td><td>-34.57</td><td>-21.57</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>17,894125 G</td><td>-24.77</td><td>-11.77</td></tr> </tbody> </table> <p>Date: 26.JUN.2018 22:19:15</p>  | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 142,035000 M | -34.40 | -21.40 | 1,000 G | 3,000 G | 1,000 M | 3,283075 G | -42.57 | -29.57 | 3,000 G | 7,000 G | 1,000 M | 5,155000 G | -37.91 | -24.91 | 7,000 G | 13,600 G | 1,000 M | 13,158625 G | -34.57 | -21.57 | 13,600 G | 19,100 G | 1,000 M | 17,894125 G | -24.77 | -11.77 |
| Start [Hz]   | Stop [Hz]                 | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 820,000 M                 | 1,000 M   | 426,975000 M | -44.55       | -31.55       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M  | 1,000 G                   | 1,000 M   | 861,432500 M | -43.75       | -30.75       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                   | 1,000 M   | 2,939000 G   | -42.09       | -29.09       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                   | 1,000 M   | 5,115000 G   | -38.78       | -25.78       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 9,000 G                   | 1,000 M   | 8,374000 G   | -37.03       | -24.03       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]   | Stop [Hz]                 | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 1,000 G                   | 1,000 M   | 142,035000 M | -34.40       | -21.40       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                   | 1,000 M   | 3,283075 G   | -42.57       | -29.57       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                   | 1,000 M   | 5,155000 G   | -37.91       | -24.91       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 13,600 G                  | 1,000 M   | 13,158625 G  | -34.57       | -21.57       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G   | 19,100 G                  | 1,000 M   | 17,894125 G  | -24.77       | -11.77       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Highest Channel  | Highest Channel           |           |              |              |              |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1601 638 1691"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAve [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>820,000 M</td><td>1,000 M</td><td>597,417500 M</td><td>-44.96</td><td>-31.96</td></tr> <tr><td>855,000 M</td><td>1,000 G</td><td>1,000 M</td><td>855,290000 M</td><td>-43.37</td><td>-30.37</td></tr> <tr><td>1,000 G</td><td>3,000 G</td><td>1,000 M</td><td>2,9003000 G</td><td>-42.60</td><td>-28.60</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,149000 G</td><td>-38.26</td><td>-25.26</td></tr> <tr><td>7,000 G</td><td>9,000 G</td><td>1,000 M</td><td>8,352000 G</td><td>-36.86</td><td>-23.86</td></tr> </tbody> </table> <p>Date: 26.JUN.2018 22:06:28</p> | Start [Hz]                | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 820,000 M | 1,000 M | 597,417500 M | -44.96 | -31.96 | 855,000 M | 1,000 G | 1,000 M | 855,290000 M | -43.37 | -30.37 | 1,000 G | 3,000 G | 1,000 M | 2,9003000 G | -42.60 | -28.60 | 3,000 G | 7,000 G | 1,000 M | 5,149000 G  | -38.26 | -25.26 | 7,000 G | 9,000 G | 1,000 M | 8,352000 G  | -36.86 | -23.86 |  <table border="1" data-bbox="877 1601 1276 1691"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAve [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr><td>30,000 M</td><td>1,000 G</td><td>1,000 M</td><td>170,852500 M</td><td>-35.29</td><td>-22.29</td></tr> <tr><td>1,000 G</td><td>3,000 G</td><td>1,000 M</td><td>1,276104 G</td><td>-42.63</td><td>-29.63</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,193271 G</td><td>-36.81</td><td>-23.81</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>13,222975 G</td><td>-34.99</td><td>-21.99</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>17,916125 G</td><td>-24.84</td><td>-11.84</td></tr> </tbody> </table> <p>Date: 26.JUN.2018 22:20:05</p> | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 170,852500 M | -35.29 | -22.29 | 1,000 G | 3,000 G | 1,000 M | 1,276104 G | -42.63 | -29.63 | 3,000 G | 7,000 G | 1,000 M | 5,193271 G | -36.81 | -23.81 | 7,000 G | 13,600 G | 1,000 M | 13,222975 G | -34.99 | -21.99 | 13,600 G | 19,100 G | 1,000 M | 17,916125 G | -24.84 | -11.84 |
| Start [Hz]   | Stop [Hz]                 | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 820,000 M                 | 1,000 M   | 597,417500 M | -44.96       | -31.96       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M  | 1,000 G                   | 1,000 M   | 855,290000 M | -43.37       | -30.37       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                   | 1,000 M   | 2,9003000 G  | -42.60       | -28.60       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                   | 1,000 M   | 5,149000 G   | -38.26       | -25.26       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 9,000 G                   | 1,000 M   | 8,352000 G   | -36.86       | -23.86       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]   | Stop [Hz]                 | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 1,000 G                   | 1,000 M   | 170,852500 M | -35.29       | -22.29       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                   | 1,000 M   | 1,276104 G   | -42.63       | -29.63       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                   | 1,000 M   | 5,193271 G   | -36.81       | -23.81       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 13,600 G                  | 1,000 M   | 13,222975 G  | -34.99       | -21.99       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G   | 19,100 G                  | 1,000 M   | 17,916125 G  | -24.84       | -11.84       |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |             |        |        |         |         |         |             |        |        |         |         |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |





Frequency Stability

| Test Conditions  | Middle Channel    | CDMA BC0<br>(1xRTT) | Limit<br>2.5ppm |
|------------------|-------------------|---------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)     | Result          |
| 50               | Normal Voltage    | 0.0000              | PASS            |
| 40               | Normal Voltage    | 0.0000              |                 |
| 30               | Normal Voltage    | 0.0000              |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000              |                 |
| 10               | Normal Voltage    | 0.0084              |                 |
| 0                | Normal Voltage    | 0.0084              |                 |
| -10              | Normal Voltage    | 0.0108              |                 |
| -20              | Normal Voltage    | 0.0131              |                 |
| -30              | Normal Voltage    | 0.0084              |                 |
| 20               | Maximum Voltage   | 0.0012              |                 |
| 20               | Normal Voltage    | 0.0000              |                 |
| 20               | Battery End Point | 0.0084              |                 |

| Test Conditions  | Middle Channel    | CDMA BC1<br>(1xRTT) | Limit<br>Note 2. |
|------------------|-------------------|---------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)     | Result           |
| 50               | Normal Voltage    | 0.0037              | PASS             |
| 40               | Normal Voltage    | 0.0011              |                  |
| 30               | Normal Voltage    | 0.0011              |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000              |                  |
| 10               | Normal Voltage    | 0.0000              |                  |
| 0                | Normal Voltage    | 0.0000              |                  |
| -10              | Normal Voltage    | 0.0037              |                  |
| -20              | Normal Voltage    | 0.0101              |                  |
| -30              | Normal Voltage    | 0.0106              |                  |
| 20               | Maximum Voltage   | 0.0144              |                  |
| 20               | Normal Voltage    | 0.0000              |                  |
| 20               | Battery End Point | 0.0149              |                  |



| Test Conditions  | Middle Channel    | CDMA BC0<br>(1xEV-DO Rev. 0) | Limit<br>2.5ppm |
|------------------|-------------------|------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)              | Result          |
| 50               | Normal Voltage    | 0.0000                       | PASS            |
| 40               | Normal Voltage    | 0.0000                       |                 |
| 30               | Normal Voltage    | 0.0000                       |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                       |                 |
| 10               | Normal Voltage    | 0.0084                       |                 |
| 0                | Normal Voltage    | 0.0084                       |                 |
| -10              | Normal Voltage    | 0.0108                       |                 |
| -20              | Normal Voltage    | 0.0131                       |                 |
| -30              | Normal Voltage    | 0.0084                       |                 |
| 20               | Maximum Voltage   | 0.0012                       |                 |
| 20               | Normal Voltage    | 0.0000                       |                 |
| 20               | Battery End Point | 0.0084                       |                 |

| Test Conditions  | Middle Channel    | CDMA BC1<br>(1xEV-DO Rev. 0) | Limit<br>Note 2. |
|------------------|-------------------|------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)              | Result           |
| 50               | Normal Voltage    | 0.0037                       | PASS             |
| 40               | Normal Voltage    | 0.0011                       |                  |
| 30               | Normal Voltage    | 0.0011                       |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                       |                  |
| 10               | Normal Voltage    | 0.0000                       |                  |
| 0                | Normal Voltage    | 0.0000                       |                  |
| -10              | Normal Voltage    | 0.0037                       |                  |
| -20              | Normal Voltage    | 0.0101                       |                  |
| -30              | Normal Voltage    | 0.0106                       |                  |
| 20               | Maximum Voltage   | 0.0144                       |                  |
| 20               | Normal Voltage    | 0.0000                       |                  |
| 20               | Battery End Point | 0.0149                       |                  |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of ERP/EIRP and Radiated Test

### ERP/EIRP

<For Main Antenna>

| Channel | Mode                | Conducted   |               | ERP      |        |
|---------|---------------------|-------------|---------------|----------|--------|
|         |                     | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest  | GSM850              | 32.26       | 1.6827        | 28.51    | 0.7096 |
| Middle  | GSM                 | 32.18       | 1.6520        | 28.43    | 0.6966 |
| Highest | (GT - LC = -1.6 dB) | 32.20       | 1.6596        | 28.45    | 0.6998 |
| Lowest  | GSM850              | 27.41       | 0.5508        | 23.66    | 0.2323 |
| Middle  | EDGE class 8        | 27.36       | 0.5445        | 23.61    | 0.2296 |
| Highest | (GT - LC = -1.6 dB) | 27.34       | 0.5420        | 23.59    | 0.2286 |
| Lowest  | WCDMA Band V        | 23.89       | 0.2449        | 20.14    | 0.1033 |
| Middle  | RMC 12.2Kbps        | 23.75       | 0.2371        | 20.00    | 0.1000 |
| Highest | (GT - LC = -1.6 dB) | 23.83       | 0.2415        | 20.08    | 0.1019 |
| Lowest  | CDMA BC0            | 24.31       | 0.2698        | 20.56    | 0.1138 |
| Middle  | 1xRTT               | 24.32       | 0.2704        | 20.57    | 0.1140 |
| Highest | (GT - LC = -1.6 dB) | 24.26       | 0.2667        | 20.51    | 0.1125 |
| Lowest  | CDMA BC0            | 24.45       | 0.2786        | 20.70    | 0.1175 |
| Middle  | 1xEV-DO             | 24.36       | 0.2729        | 20.61    | 0.1151 |
| Highest | (GT - LC = -1.6 dB) | 24.36       | 0.2729        | 20.61    | 0.1151 |
| Limit   | ERP < 7W            | Result      |               | PASS     |        |

| Channel | Mode               | Conducted   |               | EIRP      |         |
|---------|--------------------|-------------|---------------|-----------|---------|
|         |                    | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest  | GSM1900            | 29.28       | 0.8472        | 32.98     | 1.9861  |
| Middle  | GSM                | 29.16       | 0.8241        | 32.86     | 1.9320  |
| Highest | (GT - LC = 3.7 dB) | 29.26       | 0.8433        | 32.96     | 1.9770  |
| Lowest  | GSM1900            | 26.24       | 0.4207        | 29.94     | 0.9863  |
| Middle  | EDGE class 8       | 26.15       | 0.4121        | 29.85     | 0.9661  |
| Highest | (GT - LC = 3.7 dB) | 26.05       | 0.4027        | 29.75     | 0.9441  |
| Lowest  | WCDMA Band II      | 23.20       | 0.2089        | 26.90     | 0.4898  |
| Middle  | RMC 12.2Kbps       | 23.06       | 0.2023        | 26.76     | 0.4742  |
| Highest | (GT - LC = 3.7 dB) | 23.05       | 0.2018        | 26.75     | 0.4732  |
| Lowest  | CDMA BC1           | 24.88       | 0.3076        | 28.58     | 0.7211  |
| Middle  | 1xRTT              | 24.66       | 0.2924        | 28.36     | 0.6855  |
| Highest | (GT - LC = 3.7 dB) | 24.64       | 0.2911        | 28.34     | 0.6823  |
| Lowest  | CDMA BC1           | 24.62       | 0.2897        | 28.32     | 0.6792  |
| Middle  | 1xEV-DO            | 24.65       | 0.2917        | 28.35     | 0.6839  |
| Highest | (GT - LC = 3.7 dB) | 24.52       | 0.2831        | 28.22     | 0.6637  |
| Limit   | EIRP < 2W          | Result      |               | PASS      |         |



| Channel | Mode               | Conducted   |               | EIRP      |         |
|---------|--------------------|-------------|---------------|-----------|---------|
|         |                    | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest  | WCDMA Band IV      | 23.33       | 0.2153        | 27.03     | 0.5047  |
| Middle  | RMC 12.2Kbps       | 23.23       | 0.2104        | 26.93     | 0.4932  |
| Highest | (GT - LC = 3.7 dB) | 23.25       | 0.2113        | 26.95     | 0.4955  |
| Limit   | EIRP < 1W          | Result      |               | PASS      |         |



**<For Aux. Antenna>**

| Channel | Mode              | Conducted   |               | ERP      |        |
|---------|-------------------|-------------|---------------|----------|--------|
|         |                   | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest  | GSM850            | 32.26       | 1.6827        | 27.11    | 0.5140 |
| Middle  | GSM               | 32.18       | 1.6520        | 27.03    | 0.5047 |
| Highest | (GT - LC = -3 dB) | 32.20       | 1.6596        | 27.05    | 0.5070 |
| Lowest  | GSM850            | 27.41       | 0.5508        | 22.26    | 0.1683 |
| Middle  | EDGE class 8      | 27.36       | 0.5445        | 22.21    | 0.1663 |
| Highest | (GT - LC = -3 dB) | 27.34       | 0.5420        | 22.19    | 0.1656 |
| Lowest  | WCDMA Band V      | 23.89       | 0.2449        | 18.74    | 0.0748 |
| Middle  | RMC 12.2Kbps      | 23.75       | 0.2371        | 18.60    | 0.0724 |
| Highest | (GT - LC = -3 dB) | 23.83       | 0.2415        | 18.68    | 0.0738 |
| Lowest  | CDMA BC0          | 24.31       | 0.2698        | 19.16    | 0.0824 |
| Middle  | 1xRTT             | 24.32       | 0.2704        | 19.17    | 0.0826 |
| Highest | (GT - LC = -3 dB) | 24.26       | 0.2667        | 19.11    | 0.0815 |
| Lowest  | CDMA BC0          | 24.45       | 0.2786        | 19.30    | 0.0851 |
| Middle  | 1xEV-DO           | 24.36       | 0.2729        | 19.21    | 0.0834 |
| Highest | (GT - LC = -3 dB) | 24.36       | 0.2729        | 19.21    | 0.0834 |
| Limit   | ERP < 7W          | Result      |               | PASS     |        |

| Channel | Mode                | Conducted   |               | EIRP      |         |
|---------|---------------------|-------------|---------------|-----------|---------|
|         |                     | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest  | GSM1900             | 29.28       | 0.8472        | 28.78     | 0.7551  |
| Middle  | GSM                 | 29.16       | 0.8241        | 28.66     | 0.7345  |
| Highest | (GT - LC = -0.5 dB) | 29.26       | 0.8433        | 28.76     | 0.7516  |
| Lowest  | GSM1900             | 26.24       | 0.4207        | 25.74     | 0.3750  |
| Middle  | EDGE class 8        | 26.15       | 0.4121        | 25.65     | 0.3673  |
| Highest | (GT - LC = -0.5 dB) | 26.05       | 0.4027        | 25.55     | 0.3589  |
| Lowest  | WCDMA Band II       | 23.20       | 0.2089        | 22.70     | 0.1862  |
| Middle  | RMC 12.2Kbps        | 23.06       | 0.2023        | 22.56     | 0.1803  |
| Highest | (GT - LC = -0.5 dB) | 23.05       | 0.2018        | 22.55     | 0.1799  |
| Lowest  | CDMA BC1            | 24.88       | 0.3076        | 24.38     | 0.2742  |
| Middle  | 1xRTT               | 24.66       | 0.2924        | 24.16     | 0.2606  |
| Highest | (GT - LC = -0.5 dB) | 24.64       | 0.2911        | 24.14     | 0.2594  |
| Lowest  | CDMA BC1            | 24.62       | 0.2897        | 24.12     | 0.2582  |
| Middle  | 1xEV-DO             | 24.65       | 0.2917        | 24.15     | 0.2600  |
| Highest | (GT - LC = -0.5 dB) | 24.52       | 0.2831        | 24.02     | 0.2523  |
| Limit   | EIRP < 2W           | Result      |               | PASS      |         |

| Channel | Mode                | Conducted   |               | EIRP      |         |
|---------|---------------------|-------------|---------------|-----------|---------|
|         |                     | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest  | WCDMA Band IV       | 23.33       | 0.2153        | 22.83     | 0.1919  |
| Middle  | RMC 12.2Kbps        | 23.23       | 0.2104        | 22.73     | 0.1875  |
| Highest | (GT - LC = -0.5 dB) | 23.25       | 0.2113        | 22.75     | 0.1884  |
| Limit   | EIRP < 1W           | Result      |               | PASS      |         |



**Radiated Spurious Emission**

<Main Antenna>

<For Adapter Mode>

**GPRS850**

| GPRS 850 |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest   | 1648              | -54.11      | -13           | -41.11            | -66.51            | -55.87             | 0.98                 | 4.89                  | H                  |
|          | 2472              | -30.16      | -13           | -17.16            | -47.66            | -32.04             | 1.28                 | 5.32                  | H                  |
|          | 3296              | -55.56      | -13           | -42.56            | -75.08            | -58.97             | 1.54                 | 7.10                  | H                  |
|          | 4120              | -41.37      | -13           | -28.37            | -62.3             | -46.01             | 1.83                 | 8.62                  | H                  |
|          | 5768              | -49.28      | -13           | -36.28            | -74.89            | -54.16             | 2.78                 | 9.81                  | H                  |
|          | 7416              | -42.36      | -13           | -29.36            | -69.77            | -49.39             | 2.46                 | 11.63                 | H                  |
|          | 1648              | -57.89      | -13           | -44.89            | -70.81            | -59.65             | 0.98                 | 4.89                  | V                  |
|          | 2472              | -33.24      | -13           | -20.24            | -51.2             | -35.12             | 1.28                 | 5.32                  | V                  |
|          | 3296              | -53.55      | -13           | -40.55            | -73.39            | -56.96             | 1.54                 | 7.10                  | V                  |
|          | 4120              | -40.44      | -13           | -27.44            | -61.63            | -45.08             | 1.83                 | 8.62                  | V                  |
|          | 5768              | -49.64      | -13           | -36.64            | -75.16            | -54.52             | 2.78                 | 9.81                  | V                  |
|          | 7416              | -42.28      | -13           | -29.28            | -69.9             | -49.31             | 2.46                 | 11.63                 | V                  |
| Middle   | 1672              | -60.86      | -13           | -47.86            | -73.42            | -62.54             | 0.99                 | 4.82                  | H                  |
|          | 2512              | -29.61      | -13           | -16.61            | -47.16            | -31.58             | 1.29                 | 5.41                  | H                  |
|          | 3344              | -56.56      | -13           | -43.56            | -76.43            | -60.17             | 1.56                 | 7.31                  | H                  |
|          | 4184              | -35.73      | -13           | -22.73            | -56.76            | -40.35             | 1.87                 | 8.64                  | H                  |
|          | 5856              | -40.15      | -13           | -27.15            | -66.02            | -45.01             | 2.83                 | 9.84                  | H                  |
|          | 7528              | -45.86      | -13           | -32.86            | -73.27            | -53.11             | 2.42                 | 11.82                 | H                  |
|          | 1672              | -60.63      | -13           | -47.63            | -73.63            | -62.31             | 0.99                 | 4.82                  | V                  |
|          | 2512              | -30.15      | -13           | -17.15            | -48.19            | -32.12             | 1.29                 | 5.41                  | V                  |
|          | 3344              | -56.27      | -13           | -43.27            | -76.34            | -59.88             | 1.56                 | 7.31                  | V                  |
|          | 4184              | -35.92      | -13           | -22.92            | -57.04            | -40.54             | 1.87                 | 8.64                  | V                  |
|          | 5856              | -39.52      | -13           | -26.52            | -65.34            | -44.38             | 2.83                 | 9.84                  | V                  |
|          | 7528              | -42.97      | -13           | -29.97            | -70.63            | -50.22             | 2.42                 | 11.82                 | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1696 | -56.47 | -13 | -43.47 | -69.25 | -58.07 | 1.00 | 4.75  | H |
|         | 2544 | -31.87 | -13 | -18.87 | -49.5  | -33.85 | 1.30 | 5.44  | H |
|         | 3392 | -53.21 | -13 | -40.21 | -73.35 | -57.01 | 1.57 | 7.52  | H |
|         | 4248 | -39.44 | -13 | -26.44 | -60.72 | -44.04 | 1.90 | 8.65  | H |
|         | 5944 | -42.27 | -13 | -29.27 | -68.35 | -47.12 | 2.88 | 9.88  | H |
|         | 7640 | -39.62 | -13 | -26.62 | -67.19 | -46.97 | 2.38 | 11.88 | H |
|         | 1696 | -55.29 | -13 | -42.29 | -68.56 | -56.89 | 1.00 | 4.75  | V |
|         | 2544 | -19.71 | -13 | -6.71  | -37.81 | -21.69 | 1.30 | 5.44  | V |
|         | 3392 | -55.55 | -13 | -42.55 | -75.78 | -59.35 | 1.57 | 7.52  | V |
|         | 4248 | -39.43 | -13 | -26.43 | -60.73 | -44.03 | 1.90 | 8.65  | V |
|         | 5944 | -43.62 | -13 | -30.62 | -69.72 | -48.47 | 2.88 | 9.88  | V |
|         | 7640 | -43.01 | -13 | -30.01 | -70.96 | -50.36 | 2.38 | 11.88 | V |

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



**EDGE 850**

| EDGE 850 |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest   | 1648              | -62.22      | -13           | -49.22            | -74.57            | -63.98             | 0.98                 | 4.89                  | H                  |
|          | 2472              | -48.79      | -13           | -35.79            | -66.33            | -50.67             | 1.28                 | 5.32                  | H                  |
|          | 3296              | -58.13      | -13           | -45.13            | -77.6             | -61.54             | 1.54                 | 7.10                  | H                  |
|          | 4120              | -34.37      | -13           | -21.37            | -55.3             | -39.01             | 1.83                 | 8.62                  | H                  |
|          | 1648              | -60.78      | -13           | -47.78            | -73.58            | -62.54             | 0.98                 | 4.89                  | V                  |
|          | 2472              | -46.67      | -13           | -33.67            | -64.6             | -48.55             | 1.28                 | 5.32                  | V                  |
|          | 3296              | -54.08      | -13           | -41.08            | -74.08            | -57.49             | 1.54                 | 7.10                  | V                  |
|          | 4120              | -41.52      | -13           | -28.52            | -62.73            | -46.16             | 1.83                 | 8.62                  | V                  |
| Middle   | 1672              | -62.94      | -13           | -49.94            | -75.62            | -64.62             | 0.99                 | 4.82                  | H                  |
|          | 2512              | -51.46      | -13           | -38.46            | -69.04            | -53.43             | 1.29                 | 5.41                  | H                  |
|          | 3344              | -56.53      | -13           | -43.53            | -76.39            | -60.14             | 1.56                 | 7.31                  | H                  |
|          | 4184              | -34.97      | -13           | -21.97            | -56.01            | -39.59             | 1.87                 | 8.64                  | H                  |
|          | 1672              | -61.09      | -13           | -48.09            | -74.15            | -62.77             | 0.99                 | 4.82                  | V                  |
|          | 2512              | -49.61      | -13           | -36.61            | -67.64            | -51.58             | 1.29                 | 5.41                  | V                  |
|          | 3344              | -57.21      | -13           | -44.21            | -77.2             | -60.82             | 1.56                 | 7.31                  | V                  |
|          | 4184              | -34.74      | -13           | -21.74            | -55.93            | -39.36             | 1.87                 | 8.64                  | V                  |
| Highest  | 1696              | -58.92      | -13           | -45.92            | -71.7             | -60.52             | 1.00                 | 4.75                  | H                  |
|          | 2544              | -54.86      | -13           | -41.86            | -72.47            | -56.84             | 1.30                 | 5.44                  | H                  |
|          | 3392              | -57.63      | -13           | -44.63            | -77.78            | -61.43             | 1.57                 | 7.52                  | H                  |
|          | 4248              | -46.16      | -13           | -33.16            | -67.44            | -50.76             | 1.90                 | 8.65                  | H                  |
|          | 1696              | -59.03      | -13           | -46.03            | -72.25            | -60.63             | 1.00                 | 4.75                  | V                  |
|          | 2544              | -53.54      | -13           | -40.54            | -71.65            | -55.52             | 1.30                 | 5.44                  | V                  |
|          | 3392              | -57.94      | -13           | -44.94            | -78.13            | -61.74             | 1.57                 | 7.52                  | V                  |
|          | 4248              | -41.65      | -13           | -28.65            | -63.25            | -46.25             | 1.90                 | 8.65                  | V                  |

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





### WCDMA 850

| WCDMA 850 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest    | 1656              | -61.91      | -13           | -48.91            | -74.36            | -63.64             | 0.98                 | 4.86                  | H                  |
|           | 2480              | -55.98      | -13           | -42.98            | -73.49            | -57.89             | 1.28                 | 5.34                  | H                  |
|           | 3312              | -57.48      | -13           | -44.48            | -77.14            | -60.96             | 1.55                 | 7.17                  | H                  |
|           | 1656              | -60.24      | -13           | -47.24            | -73.06            | -61.97             | 0.98                 | 4.86                  | V                  |
|           | 2480              | -57.11      | -13           | -44.11            | -75.02            | -59.02             | 1.28                 | 5.34                  | V                  |
|           | 3312              | -57.04      | -13           | -44.04            | -76.99            | -60.52             | 1.55                 | 7.17                  | V                  |
| Middle    | 1672              | -62.51      | -13           | -49.51            | -75.15            | -64.19             | 0.99                 | 4.82                  | H                  |
|           | 2512              | -57.78      | -13           | -44.78            | -75.38            | -59.75             | 1.29                 | 5.41                  | H                  |
|           | 3344              | -57.74      | -13           | -44.74            | -77.55            | -61.35             | 1.56                 | 7.31                  | H                  |
|           | 1672              | -60.86      | -13           | -47.86            | -73.94            | -62.54             | 0.99                 | 4.82                  | V                  |
|           | 2512              | -57.69      | -13           | -44.69            | -75.73            | -59.66             | 1.29                 | 5.41                  | V                  |
|           | 3344              | -57.95      | -13           | -44.95            | -77.95            | -61.56             | 1.56                 | 7.31                  | V                  |
| Highest   | 1688              | -62.48      | -13           | -49.48            | -75.11            | -64.11             | 1.00                 | 4.77                  | H                  |
|           | 2536              | -57.08      | -13           | -44.08            | -74.7             | -59.06             | 1.30                 | 5.43                  | H                  |
|           | 3376              | -57.88      | -13           | -44.88            | -77.87            | -61.62             | 1.57                 | 7.45                  | H                  |
|           | 1688              | -59.74      | -13           | -46.74            | -72.71            | -61.37             | 1.00                 | 4.77                  | V                  |
|           | 2536              | -58.37      | -13           | -45.37            | -76.46            | -60.35             | 1.30                 | 5.43                  | V                  |
|           | 3376              | -57.98      | -13           | -44.98            | -78.11            | -61.72             | 1.57                 | 7.45                  | V                  |

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



**CDMABC0**

| CDMA2000 BC0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel      | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest       | 1648              | -61.52      | -13           | -48.52            | -73.92            | -63.28             | 0.98                 | 4.89                  | H                  |
|              | 2472              | -55.26      | -13           | -42.26            | -72.8             | -57.14             | 1.28                 | 5.32                  | H                  |
|              | 3296              | -57.65      | -13           | -44.65            | -77.25            | -61.06             | 1.54                 | 7.10                  | H                  |
|              | 1648              | -56.53      | -13           | -43.53            | -69.37            | -58.29             | 0.98                 | 4.89                  | V                  |
|              | 2472              | -55.45      | -13           | -42.45            | -73.41            | -57.33             | 1.28                 | 5.32                  | V                  |
|              | 3296              | -57.61      | -13           | -44.61            | -77.48            | -61.02             | 1.54                 | 7.10                  | V                  |
| Middle       | 1672              | -63.14      | -13           | -50.14            | -75.75            | -64.82             | 0.99                 | 4.82                  | H                  |
|              | 2512              | -54.37      | -13           | -41.37            | -71.94            | -56.34             | 1.29                 | 5.41                  | H                  |
|              | 3344              | -58.27      | -13           | -45.27            | -78.09            | -61.88             | 1.56                 | 7.31                  | H                  |
|              | 1672              | -59.44      | -13           | -46.44            | -72.51            | -61.12             | 0.99                 | 4.82                  | V                  |
|              | 2512              | -57.65      | -13           | -44.65            | -75.74            | -59.62             | 1.29                 | 5.41                  | V                  |
|              | 3344              | -58.05      | -13           | -45.05            | -78.15            | -61.66             | 1.56                 | 7.31                  | V                  |
| Highest      | 1696              | -62.84      | -13           | -49.84            | -75.42            | -64.44             | 1.00                 | 4.75                  | H                  |
|              | 2544              | -59.04      | -13           | -46.04            | -76.63            | -61.02             | 1.30                 | 5.44                  | H                  |
|              | 3392              | -57.49      | -13           | -44.49            | -77.63            | -61.29             | 1.57                 | 7.52                  | H                  |
|              | 1696              | -58.83      | -13           | -45.83            | -72.05            | -60.43             | 1.00                 | 4.75                  | V                  |
|              | 2544              | -58.84      | -13           | -45.84            | -77.02            | -60.82             | 1.30                 | 5.44                  | V                  |
|              | 3392              | -57.82      | -13           | -44.82            | -78.04            | -61.62             | 1.57                 | 7.52                  | V                  |

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



WCDMA 1700

| WCDMA 1700 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest     | 3426              | -55.86       | -13           | -42.86            | -76.56            | -61.95             | 1.58                 | 7.67                  | H                  |
|            | 5142              | -43.08       | -13           | -30.08            | -67.47            | -50.36             | 2.42                 | 9.70                  | H                  |
|            | 6852              | -51.37       | -13           | -38.37            | -78.16            | -59.35             | 2.64                 | 10.62                 | H                  |
|            | 3426              | -50.28       | -13           | -37.28            | -71.05            | -56.37             | 1.58                 | 7.67                  | V                  |
|            | 5142              | -45.69       | -13           | -32.69            | -69.91            | -52.97             | 2.42                 | 9.70                  | V                  |
|            | 6852              | -50.85       | -13           | -37.85            | -77.54            | -58.83             | 2.64                 | 10.62                 | V                  |
| Middle     | 3462              | -53.98       | -13           | -40.98            | -74.86            | -60.22             | 1.59                 | 7.83                  | H                  |
|            | 5196              | -41.74       | -13           | -28.74            | -66.26            | -48.99             | 2.45                 | 9.70                  | H                  |
|            | 6930              | -50.36       | -13           | -37.36            | -77.18            | -58.46             | 2.61                 | 10.72                 | H                  |
|            | 3462              | -49.69       | -13           | -36.69            | -70.42            | -55.93             | 1.59                 | 7.83                  | V                  |
|            | 5196              | -45.51       | -13           | -32.51            | -69.94            | -52.76             | 2.45                 | 9.70                  | V                  |
|            | 6930              | -49.01       | -13           | -36.01            | -75.82            | -57.11             | 2.61                 | 10.72                 | V                  |
| Highest    | 3504              | -53.61       | -13           | -40.61            | -74.59            | -60.01             | 1.61                 | 8.00                  | H                  |
|            | 5262              | -45.66       | -13           | -32.66            | -70.38            | -52.87             | 2.49                 | 9.70                  | H                  |
|            | 7008              | -49.25       | -13           | -36.25            | -76.14            | -57.48             | 2.59                 | 10.82                 | H                  |
|            | 3504              | -52.43       | -13           | -39.43            | -73.11            | -58.83             | 1.61                 | 8.00                  | V                  |
|            | 5262              | -48.26       | -13           | -35.26            | -72.9             | -55.47             | 2.49                 | 9.70                  | V                  |
|            | 7008              | -49.69       | -13           | -36.69            | -76.57            | -57.92             | 2.59                 | 10.82                 | V                  |

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



**GSM 1900**

| GSM 1900 |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest   | 3702              | -43.02       | -13           | -30.02            | -64               | -49.59             | 1.67                 | 8.24                  | H                  |
|          | 5550              | -29.19       | -13           | -16.19            | -54.74            | -36.26             | 2.65                 | 9.72                  | H                  |
|          | 7404              | -33.31       | -13           | -20.31            | -60.33            | -42.46             | 2.46                 | 11.61                 | H                  |
|          | 9252              | -38.71       | -13           | -25.71            | -69.06            | -48.77             | 2.54                 | 12.60                 | H                  |
|          | 3702              | -39.58       | -13           | -26.58            | -60.5             | -46.15             | 1.67                 | 8.24                  | V                  |
|          | 5550              | -31.49       | -13           | -18.49            | -57.11            | -38.56             | 2.65                 | 9.72                  | V                  |
|          | 7404              | -36.63       | -13           | -23.63            | -63.9             | -45.78             | 2.46                 | 11.61                 | V                  |
|          | 9252              | -40.61       | -13           | -27.61            | -71.38            | -50.67             | 2.54                 | 12.60                 | V                  |
| Middle   | 3762              | -41.58       | -13           | -28.58            | -62.5             | -48.21             | 1.69                 | 8.31                  | H                  |
|          | 5640              | -25.73       | -13           | -12.73            | -51.46            | -32.78             | 2.71                 | 9.76                  | H                  |
|          | 7518              | -33.43       | -13           | -20.43            | -60.57            | -42.82             | 2.42                 | 11.81                 | H                  |
|          | 9399              | -38.91       | -13           | -25.91            | -69.68            | -48.88             | 2.57                 | 12.54                 | H                  |
|          | 3762              | -40.19       | -13           | -27.19            | -61.48            | -46.82             | 1.69                 | 8.31                  | V                  |
|          | 5640              | -31.64       | -13           | -18.64            | -57.39            | -38.69             | 2.71                 | 9.76                  | V                  |
|          | 7518              | -34.02       | -13           | -21.02            | -61.48            | -43.41             | 2.42                 | 11.81                 | V                  |
|          | 9399              | -39.22       | -13           | -26.22            | -70.39            | -49.19             | 2.57                 | 12.54                 | V                  |
| Highest  | 3822              | -36.59       | -13           | -23.59            | -57.38            | -43.27             | 1.71                 | 8.39                  | H                  |
|          | 5730              | -26.29       | -13           | -13.29            | -52.2             | -33.32             | 2.76                 | 9.79                  | H                  |
|          | 7638              | -35.71       | -13           | -22.71            | -63.18            | -45.21             | 2.38                 | 11.88                 | H                  |
|          | 9546              | -44.26       | -13           | -31.26            | -75.35            | -54.13             | 2.60                 | 12.47                 | H                  |
|          | 3822              | -34.16       | -13           | -21.16            | -55.07            | -40.84             | 1.71                 | 8.39                  | V                  |
|          | 5730              | -31.68       | -13           | -18.68            | -57.62            | -38.71             | 2.76                 | 9.79                  | V                  |
|          | 7638              | -35.03       | -13           | -22.03            | -62.76            | -44.53             | 2.38                 | 11.88                 | V                  |
|          | 9546              | -41.56       | -13           | -28.56            | -73.01            | -51.43             | 2.60                 | 12.47                 | V                  |

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



## EDGE1900

| EDGE 1900 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest    | 3702              | -49.46       | -13           | -36.46            | -70.42            | -56.03             | 1.67                 | 8.24                  | H                  |
|           | 5550              | -33.74       | -13           | -20.74            | -59.39            | -40.81             | 2.65                 | 9.72                  | H                  |
|           | 7404              | -38.27       | -13           | -25.27            | -65.34            | -47.42             | 2.46                 | 11.61                 | H                  |
|           | 9252              | -40.19       | -13           | -27.19            | -70.54            | -50.25             | 2.54                 | 12.60                 | H                  |
|           | 3702              | -47.12       | -13           | -34.12            | -68.02            | -53.69             | 1.67                 | 8.24                  | V                  |
|           | 5550              | -37.96       | -13           | -24.96            | -63.51            | -45.03             | 2.65                 | 9.72                  | V                  |
|           | 7404              | -36.12       | -13           | -23.12            | -63.45            | -45.27             | 2.46                 | 11.61                 | V                  |
|           | 9252              | -43.95       | -13           | -30.95            | -74.63            | -54.01             | 2.54                 | 12.60                 | V                  |
| Middle    | 3762              | -41.69       | -13           | -28.69            | -62.52            | -48.32             | 1.69                 | 8.31                  | H                  |
|           | 5640              | -31.63       | -13           | -18.63            | -57.4             | -38.68             | 2.71                 | 9.76                  | H                  |
|           | 7518              | -36.92       | -13           | -23.92            | -64.1             | -46.31             | 2.42                 | 11.81                 | H                  |
|           | 9399              | -38.92       | -13           | -25.92            | -69.71            | -48.89             | 2.57                 | 12.54                 | H                  |
|           | 3762              | -47.91       | -13           | -34.91            | -68.86            | -54.54             | 1.69                 | 8.31                  | V                  |
|           | 5640              | -34.01       | -13           | -21.01            | -59.83            | -41.06             | 2.71                 | 9.76                  | V                  |
|           | 7518              | -43.08       | -13           | -30.08            | -70.42            | -52.47             | 2.42                 | 11.81                 | V                  |
|           | 9399              | -43.05       | -13           | -30.05            | -74.25            | -53.02             | 2.57                 | 12.54                 | V                  |
| Highest   | 3822              | -40.38       | -13           | -27.38            | -61.32            | -47.06             | 1.71                 | 8.39                  | H                  |
|           | 5730              | -35.34       | -13           | -22.34            | -61.24            | -42.37             | 2.76                 | 9.79                  | H                  |
|           | 7638              | -35.73       | -13           | -22.73            | -63.18            | -45.23             | 2.38                 | 11.88                 | H                  |
|           | 9546              | -47.67       | -13           | -34.67            | -78.77            | -57.54             | 2.60                 | 12.47                 | H                  |
|           | 3822              | -38.35       | -13           | -25.35            | -59.3             | -45.03             | 1.71                 | 8.39                  | V                  |
|           | 5730              | -37.64       | -13           | -24.64            | -63.51            | -44.67             | 2.76                 | 9.79                  | V                  |
|           | 7638              | -38.83       | -13           | -25.83            | -66.56            | -48.33             | 2.38                 | 11.88                 | V                  |
|           | 9546              | -46.51       | -13           | -33.51            | -78.02            | -56.38             | 2.60                 | 12.47                 | V                  |

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



### WCDMA 1900

| WCDMA 1900 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest     | 3708              | -45.58       | -13           | -32.58            | -66.53            | -52.16             | 1.67                 | 8.25                  | H                  |
|            | 5562              | -49.32       | -13           | -36.32            | -74.9             | -56.38             | 2.66                 | 9.72                  | H                  |
|            | 7410              | -49.51       | -13           | -36.51            | -76.67            | -58.67             | 2.46                 | 11.62                 | H                  |
|            | 3708              | -43.03       | -13           | -30.03            | -63.94            | -49.61             | 1.67                 | 8.25                  | V                  |
|            | 5562              | -51.18       | -13           | -38.18            | -76.69            | -58.24             | 2.66                 | 9.72                  | V                  |
|            | 7410              | -50.16       | -13           | -37.16            | -77.43            | -59.32             | 2.46                 | 11.62                 | V                  |
| Middle     | 3762              | -54.89       | -13           | -41.89            | -75.83            | -61.52             | 1.69                 | 8.31                  | H                  |
|            | 5640              | -43.32       | -13           | -30.32            | -69.13            | -50.37             | 2.71                 | 9.76                  | H                  |
|            | 7518              | -48.72       | -13           | -35.72            | -75.88            | -58.11             | 2.42                 | 11.81                 | H                  |
|            | 3762              | -53.72       | -13           | -40.72            | -74.63            | -60.35             | 1.69                 | 8.31                  | V                  |
|            | 5640              | -47.74       | -13           | -34.74            | -73.53            | -54.79             | 2.71                 | 9.76                  | V                  |
|            | 7518              | -49.63       | -13           | -36.63            | -77.04            | -59.02             | 2.42                 | 11.81                 | V                  |
| Highest    | 3816              | -46.35       | -13           | -33.35            | -67.15            | -53.03             | 1.70                 | 8.38                  | H                  |
|            | 5724              | -44.92       | -13           | -31.92            | -70.76            | -51.96             | 2.75                 | 9.79                  | H                  |
|            | 7632              | -47.65       | -13           | -34.65            | -75.1             | -57.14             | 2.39                 | 11.88                 | H                  |
|            | 3816              | -45.21       | -13           | -32.21            | -66.14            | -51.89             | 1.70                 | 8.38                  | V                  |
|            | 5724              | -48.98       | -13           | -35.98            | -74.89            | -56.02             | 2.75                 | 9.79                  | V                  |
|            | 7632              | -48.18       | -13           | -35.18            | -75.91            | -57.67             | 2.39                 | 11.88                 | V                  |

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



**CDMABC1**

| CDMA2000 BC1 |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel      | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest       | 3702              | -41.76      | -13           | -28.76            | -62.4             | -48.33             | 1.67                 | 8.24                  | H                  |
|              | 5556              | -34.28      | -13           | -21.28            | -59.59            | -41.35             | 2.66                 | 9.72                  | H                  |
|              | 7404              | -46.78      | -13           | -33.78            | -73.6             | -55.93             | 2.46                 | 11.61                 | H                  |
|              | 9252              | -42.32      | -13           | -29.32            | -72.33            | -52.38             | 2.54                 | 12.60                 | H                  |
|              | 3702              | -46.84      | -13           | -33.84            | -67.5             | -53.41             | 1.67                 | 8.24                  | V                  |
|              | 5556              | -33.96      | -13           | -20.96            | -59.27            | -41.03             | 2.66                 | 9.72                  | V                  |
|              | 7404              | -36.58      | -13           | -23.58            | -63.64            | -45.73             | 2.46                 | 11.61                 | V                  |
|              | 9252              | -45.62      | -13           | -32.62            | -76.05            | -55.68             | 2.54                 | 12.60                 | V                  |
| Middle       | 3762              | -47.24      | -13           | -34.24            | -67.82            | -53.87             | 1.69                 | 8.31                  | H                  |
|              | 5640              | -33.29      | -13           | -20.29            | -58.77            | -40.34             | 2.71                 | 9.76                  | H                  |
|              | 7520              | -46.08      | -13           | -33.08            | -73.03            | -55.47             | 2.42                 | 11.81                 | H                  |
|              | 9400              | -43.97      | -13           | -30.97            | -74.52            | -53.94             | 2.57                 | 12.54                 | H                  |
|              | 3762              | -47.06      | -13           | -34.06            | -67.75            | -53.69             | 1.69                 | 8.31                  | V                  |
|              | 5640              | -32.73      | -13           | -19.73            | -58.18            | -39.78             | 2.71                 | 9.76                  | V                  |
|              | 7520              | -39.33      | -13           | -26.33            | -66.52            | -48.72             | 2.42                 | 11.81                 | V                  |
|              | 9400              | -45.84      | -13           | -32.84            | -76.76            | -55.81             | 2.57                 | 12.54                 | V                  |
| Highest      | 3816              | -48.07      | -13           | -35.07            | -68.69            | -54.75             | 1.70                 | 8.38                  | H                  |
|              | 5724              | -36.98      | -13           | -23.98            | -62.61            | -44.02             | 2.75                 | 9.79                  | H                  |
|              | 7638              | -46.54      | -13           | -33.54            | -73.76            | -56.04             | 2.38                 | 11.88                 | H                  |
|              | 3816              | -48.68      | -13           | -35.68            | -69.39            | -55.36             | 1.70                 | 8.38                  | V                  |
|              | 5724              | -33.77      | -13           | -20.77            | -59.39            | -40.81             | 2.75                 | 9.79                  | V                  |
|              | 7638              | -42.12      | -13           | -29.12            | -69.58            | -51.62             | 2.38                 | 11.88                 | V                  |

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



<Aux Antenna>

<For Adapter Mode>

**GPRS850**

| GPRS 850 |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest   | 1648              | -61.72      | -13           | -48.72            | -74.13            | -63.48             | 0.98                 | 4.89                  | H                  |
|          | 2472              | -28.93      | -13           | -15.93            | -46.47            | -30.81             | 1.28                 | 5.32                  | H                  |
|          | 3296              | -56.41      | -13           | -43.41            | -75.97            | -59.82             | 1.54                 | 7.10                  | H                  |
|          | 4120              | -39.39      | -13           | -26.39            | -60.37            | -44.03             | 1.83                 | 8.62                  | H                  |
|          | 5768              | -48.58      | -13           | -35.58            | -74.08            | -53.46             | 2.78                 | 9.81                  | H                  |
|          | 7416              | -42.29      | -13           | -29.29            | -69.66            | -49.32             | 2.46                 | 11.63                 | H                  |
|          | 1648              | -58.88      | -13           | -45.88            | -71.7             | -60.64             | 0.98                 | 4.89                  | V                  |
|          | 2472              | -30.96      | -13           | -17.96            | -48.76            | -32.84             | 1.28                 | 5.32                  | V                  |
|          | 3296              | -53.81      | -13           | -40.81            | -73.64            | -57.22             | 1.54                 | 7.10                  | V                  |
|          | 4120              | -39.98      | -13           | -26.98            | -61.04            | -44.62             | 1.83                 | 8.62                  | V                  |
|          | 5768              | -49.17      | -13           | -36.17            | -74.75            | -54.05             | 2.78                 | 9.81                  | V                  |
|          | 7416              | -44.36      | -13           | -31.36            | -72.01            | -51.39             | 2.46                 | 11.63                 | V                  |
| Middle   | 1672              | -61.45      | -13           | -48.45            | -74.11            | -63.13             | 0.99                 | 4.82                  | H                  |
|          | 2512              | -30.18      | -13           | -17.18            | -47.76            | -32.15             | 1.29                 | 5.41                  | H                  |
|          | 3344              | -57.45      | -13           | -44.45            | -77.33            | -61.06             | 1.56                 | 7.31                  | H                  |
|          | 4184              | -35.95      | -13           | -22.95            | -57.06            | -40.57             | 1.87                 | 8.64                  | H                  |
|          | 5856              | -42.22      | -13           | -29.22            | -68.04            | -47.08             | 2.83                 | 9.84                  | H                  |
|          | 7528              | -48.51      | -13           | -35.51            | -75.96            | -55.76             | 2.42                 | 11.82                 | H                  |
|          | 1672              | -56.95      | -13           | -43.95            | -69.98            | -58.63             | 0.99                 | 4.82                  | V                  |
|          | 2512              | -29.59      | -13           | -16.59            | -47.63            | -31.56             | 1.29                 | 5.41                  | V                  |
|          | 3344              | -55.94      | -13           | -42.94            | -76.01            | -59.55             | 1.56                 | 7.31                  | V                  |
|          | 4184              | -37.07      | -13           | -24.07            | -58.32            | -41.69             | 1.87                 | 8.64                  | V                  |
|          | 5856              | -38.18      | -13           | -25.18            | -64.02            | -43.04             | 2.83                 | 9.84                  | V                  |
|          | 7528              | -44.75      | -13           | -31.75            | -72.45            | -52                | 2.42                 | 11.82                 | V                  |





|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1696 | -60.86 | -13 | -47.86 | -73.64 | -62.46 | 1.00 | 4.75  | H |
|         | 2544 | -19.54 | -13 | -6.54  | -37.15 | -21.52 | 1.30 | 5.44  | H |
|         | 3392 | -56.01 | -13 | -43.01 | -76.15 | -59.81 | 1.57 | 7.52  | H |
|         | 4248 | -38.83 | -13 | -25.83 | -60.11 | -43.43 | 1.90 | 8.65  | H |
|         | 5944 | -48.14 | -13 | -35.14 | -74.08 | -52.99 | 2.88 | 9.88  | H |
|         | 7640 | -39.79 | -13 | -26.79 | -67.47 | -47.14 | 2.38 | 11.88 | H |
|         | 1696 | -56.44 | -13 | -43.44 | -69.66 | -58.04 | 1.00 | 4.75  | V |
|         | 2544 | -18.45 | -13 | -5.45  | -36.53 | -20.43 | 1.30 | 5.44  | V |
|         | 3392 | -55.37 | -13 | -42.37 | -75.6  | -59.17 | 1.57 | 7.52  | V |
|         | 4248 | -40.42 | -13 | -27.42 | -61.74 | -45.02 | 1.90 | 8.65  | V |
|         | 5944 | -48.68 | -13 | -35.68 | -74.75 | -53.53 | 2.88 | 9.88  | V |
|         | 7640 | -39.01 | -13 | -26.01 | -66.95 | -46.36 | 2.38 | 11.88 | V |

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



**EDGE 850**

| EDGE 850 |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest   | 1648              | -60.06      | -13           | -47.06            | -72.39            | -61.82             | 0.98                 | 4.89                  | H                  |
|          | 2472              | -49.18      | -13           | -36.18            | -66.7             | -51.06             | 1.28                 | 5.32                  | H                  |
|          | 3296              | -57.73      | -13           | -44.73            | -77.45            | -61.14             | 1.54                 | 7.10                  | H                  |
|          | 4120              | -53.52      | -13           | -40.52            | -74.51            | -58.16             | 1.83                 | 8.62                  | H                  |
|          | 1648              | -57.63      | -13           | -44.63            | -70.44            | -59.39             | 0.98                 | 4.89                  | V                  |
|          | 2472              | -50.16      | -13           | -37.16            | -68.18            | -52.04             | 1.28                 | 5.32                  | V                  |
|          | 3296              | -56.61      | -13           | -43.61            | -76.43            | -60.02             | 1.54                 | 7.10                  | V                  |
|          | 4120              | -55.47      | -13           | -42.47            | -76.53            | -60.11             | 1.83                 | 8.62                  | V                  |
| Middle   | 1672              | -58.86      | -13           | -45.86            | -71.51            | -60.54             | 0.99                 | 4.82                  | H                  |
|          | 2512              | -48.27      | -13           | -35.27            | -65.85            | -50.24             | 1.29                 | 5.41                  | H                  |
|          | 3344              | -53.44      | -13           | -40.44            | -73.34            | -57.05             | 1.56                 | 7.31                  | H                  |
|          | 4184              | -56.57      | -13           | -43.57            | -77.69            | -61.19             | 1.87                 | 8.64                  | H                  |
|          | 1672              | -62.11      | -13           | -49.11            | -75.1             | -63.79             | 0.99                 | 4.82                  | V                  |
|          | 2512              | -49.01      | -13           | -36.01            | -67.07            | -50.98             | 1.29                 | 5.41                  | V                  |
|          | 3344              | -56.91      | -13           | -43.91            | -76.89            | -60.52             | 1.56                 | 7.31                  | V                  |
|          | 4184              | -52.26      | -13           | -39.26            | -73.45            | -56.88             | 1.87                 | 8.64                  | V                  |
| Highest  | 1696              | -59.49      | -13           | -46.49            | -72.27            | -61.09             | 1.00                 | 4.75                  | H                  |
|          | 2544              | -50.28      | -13           | -37.28            | -67.93            | -52.26             | 1.30                 | 5.44                  | H                  |
|          | 3392              | -57.74      | -13           | -44.74            | -77.89            | -61.54             | 1.57                 | 7.52                  | H                  |
|          | 4240              | -56.03      | -13           | -43.03            | -77.34            | -60.63             | 1.90                 | 8.65                  | H                  |
|          | 1696              | -56.34      | -13           | -43.34            | -69.53            | -57.94             | 1.00                 | 4.75                  | V                  |
|          | 2544              | -50.33      | -13           | -37.33            | -68.44            | -52.31             | 1.30                 | 5.44                  | V                  |
|          | 3392              | -55.96      | -13           | -42.96            | -76.17            | -59.76             | 1.57                 | 7.52                  | V                  |
|          | 4240              | -56.36      | -13           | -43.36            | -77.73            | -60.96             | 1.90                 | 8.65                  | V                  |

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



### WCDMA 850

| WCDMA 850 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest    | 1656              | -62.78      | -13           | -49.78            | -75.04            | -64.51             | 0.98                 | 4.86                  | H                  |
|           | 2479              | -55.38      | -13           | -42.38            | -72.62            | -57.28             | 1.28                 | 5.34                  | H                  |
|           | 3305              | -58.06      | -13           | -45.06            | -77.5             | -61.51             | 1.54                 | 7.14                  | H                  |
|           | 4132              | -53.92      | -13           | -40.92            | -74.59            | -58.56             | 1.84                 | 8.63                  | H                  |
|           | 1656              | -61.98      | -13           | -48.98            | -74.7             | -63.71             | 0.98                 | 4.86                  | V                  |
|           | 2479              | -54.76      | -13           | -41.76            | -72.43            | -56.66             | 1.28                 | 5.34                  | V                  |
|           | 3305              | -57.37      | -13           | -44.37            | -77.06            | -60.82             | 1.54                 | 7.14                  | V                  |
|           | 4132              | -53.38      | -13           | -40.38            | -74.16            | -58.02             | 1.84                 | 8.63                  | V                  |
| Middle    | 1672              | -62.94      | -13           | -49.94            | -75.34            | -64.62             | 0.99                 | 4.82                  | H                  |
|           | 2504              | -50.56      | -13           | -37.56            | -67.83            | -52.52             | 1.29                 | 5.40                  | H                  |
|           | 3345              | -58.24      | -13           | -45.24            | -77.84            | -61.85             | 1.56                 | 7.32                  | H                  |
|           | 4176              | -54.37      | -13           | -41.37            | -75.21            | -58.99             | 1.86                 | 8.64                  | H                  |
|           | 1672              | -62.48      | -13           | -49.48            | -75.32            | -64.16             | 0.99                 | 4.82                  | V                  |
|           | 2504              | -57.96      | -13           | -44.96            | -75.71            | -59.92             | 1.29                 | 5.40                  | V                  |
|           | 3345              | -58.13      | -13           | -45.13            | -77.93            | -61.74             | 1.56                 | 7.32                  | V                  |
|           | 4176              | -55.06      | -13           | -42.06            | -76.04            | -59.68             | 1.86                 | 8.64                  | V                  |
| Highest   | 1696              | -63.44      | -13           | -50.44            | -75.94            | -65.04             | 1.00                 | 4.75                  | H                  |
|           | 2539              | -58.43      | -13           | -45.43            | -75.78            | -60.41             | 1.30                 | 5.43                  | H                  |
|           | 3386              | -57.88      | -13           | -44.88            | -77.66            | -61.66             | 1.57                 | 7.50                  | H                  |
|           | 1696              | -61.43      | -13           | -48.43            | -74.4             | -63.03             | 1.00                 | 4.75                  | V                  |
|           | 2539              | -57.38      | -13           | -44.38            | -75.27            | -59.36             | 1.30                 | 5.43                  | V                  |
|           | 3386              | -57.66      | -13           | -44.66            | -77.6             | -61.44             | 1.57                 | 7.50                  | V                  |

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



**CDMABC0**

| CDMA2000 BC0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel      | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest       | 1648              | -62.89      | -13           | -49.89            | -75.31            | -64.65             | 0.98                 | 4.89                  | H                  |
|              | 2472              | -56.79      | -13           | -43.79            | -74.34            | -58.67             | 1.28                 | 5.32                  | H                  |
|              | 4120              | -44.24      | -13           | -31.24            | -65.24            | -48.88             | 1.83                 | 8.62                  | H                  |
|              | 1648              | -62.26      | -13           | -49.26            | -75.08            | -64.02             | 0.98                 | 4.89                  | V                  |
|              | 2472              | -55.18      | -13           | -42.18            | -73.14            | -57.06             | 1.28                 | 5.32                  | V                  |
|              | 4120              | -46.61      | -13           | -33.61            | -67.77            | -51.25             | 1.83                 | 8.62                  | V                  |
| Middle       | 1672              | -63.34      | -13           | -50.34            | -75.97            | -65.02             | 0.99                 | 4.82                  | H                  |
|              | 2512              | -58.17      | -13           | -45.17            | -75.75            | -60.14             | 1.29                 | 5.41                  | H                  |
|              | 4184              | -48.97      | -13           | -35.97            | -69.95            | -53.59             | 1.87                 | 8.64                  | H                  |
|              | 1672              | -59.96      | -13           | -46.96            | -73.07            | -61.64             | 0.99                 | 4.82                  | V                  |
|              | 2512              | -56.47      | -13           | -43.47            | -74.51            | -58.44             | 1.29                 | 5.41                  | V                  |
|              | 4184              | -49.76      | -13           | -36.76            | -70.96            | -54.38             | 1.87                 | 8.64                  | V                  |
| Highest      | 1696              | -63.27      | -13           | -50.27            | -76.04            | -64.87             | 1.00                 | 4.75                  | H                  |
|              | 2544              | -58.07      | -13           | -45.07            | -75.7             | -60.05             | 1.30                 | 5.44                  | H                  |
|              | 4240              | -51.65      | -13           | -38.65            | -72.93            | -56.25             | 1.90                 | 8.65                  | H                  |
|              | 1696              | -62.88      | -13           | -49.88            | -76.1             | -64.48             | 1.00                 | 4.75                  | V                  |
|              | 2544              | -56.71      | -13           | -43.71            | -74.82            | -58.69             | 1.30                 | 5.44                  | V                  |
|              | 4240              | -52.41      | -13           | -39.41            | -73.72            | -57.01             | 1.90                 | 8.65                  | V                  |

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



**WCDMA 1700**

| WCDMA 1700 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest     | 3426              | -55.32       | -13           | -42.32            | -76.07            | -61.41             | 1.58                 | 7.67                  | H                  |
|            | 5142              | -42.46       | -13           | -29.46            | -66.63            | -49.74             | 2.42                 | 9.70                  | H                  |
|            | 6852              | -50.98       | -13           | -37.98            | -77.72            | -58.96             | 2.64                 | 10.62                 | H                  |
|            | 3426              | -50.37       | -13           | -37.37            | -71.02            | -56.46             | 1.58                 | 7.67                  | V                  |
|            | 5142              | -44.83       | -13           | -31.83            | -69.16            | -52.11             | 2.42                 | 9.70                  | V                  |
|            | 6852              | -50.83       | -13           | -37.83            | -77.52            | -58.81             | 2.64                 | 10.62                 | V                  |
| Middle     | 3462              | -54.52       | -13           | -41.52            | -75.39            | -60.76             | 1.59                 | 7.83                  | H                  |
|            | 5196              | -40.89       | -13           | -27.89            | -65.49            | -48.14             | 2.45                 | 9.70                  | H                  |
|            | 6930              | -50.68       | -13           | -37.68            | -77.42            | -58.78             | 2.61                 | 10.72                 | H                  |
|            | 3462              | -49.54       | -13           | -36.54            | -70.3             | -55.78             | 1.59                 | 7.83                  | V                  |
|            | 5196              | -44.91       | -13           | -31.91            | -69.32            | -52.16             | 2.45                 | 9.70                  | V                  |
|            | 6930              | -50.28       | -13           | -37.28            | -77.1             | -58.38             | 2.61                 | 10.72                 | V                  |
| Highest    | 3504              | -54.07       | -13           | -41.07            | -75.1             | -60.47             | 1.61                 | 8.00                  | H                  |
|            | 5262              | -44.42       | -13           | -31.42            | -69.14            | -51.63             | 2.49                 | 9.70                  | H                  |
|            | 7008              | -50.54       | -13           | -37.54            | -77.28            | -58.77             | 2.59                 | 10.82                 | H                  |
|            | 3504              | -51.74       | -13           | -38.74            | -72.62            | -58.14             | 1.61                 | 8.00                  | V                  |
|            | 5262              | -47.37       | -13           | -34.37            | -72.03            | -54.58             | 2.49                 | 9.70                  | V                  |
|            | 7008              | -49.73       | -13           | -36.73            | -76.52            | -57.96             | 2.59                 | 10.82                 | V                  |

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



**GSM 1900**

| GSM 1900 |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest   | 3702              | -59.31       | -13           | -46.31            | -60.04            | -65.88             | 1.67                 | 8.24                  | H                  |
|          | 5550              | -20.64       | -13           | -7.64             | -45.94            | -27.71             | 2.65                 | 9.72                  | H                  |
|          | 7404              | -33.84       | -13           | -20.84            | -60.65            | -42.99             | 2.46                 | 11.61                 | H                  |
|          | 9252              | -30.78       | -13           | -17.78            | -60.83            | -40.84             | 2.54                 | 12.60                 | H                  |
|          | 11100             | -37.32       | -13           | -24.32            | -71.77            | -47.09             | 2.69                 | 12.46                 | H                  |
|          | 3702              | -38.18       | -13           | -25.18            | -58.86            | -44.75             | 1.67                 | 8.24                  | V                  |
|          | 5550              | -21.86       | -13           | -8.86             | -47.12            | -28.93             | 2.65                 | 9.72                  | V                  |
|          | 7404              | -26.34       | -13           | -13.34            | -53.4             | -35.49             | 2.46                 | 11.61                 | V                  |
|          | 9252              | -33.27       | -13           | -20.27            | -63.67            | -43.33             | 2.54                 | 12.60                 | V                  |
|          | 11100             | -41.88       | -13           | -28.88            | -76.1             | -51.65             | 2.69                 | 12.46                 | V                  |
| Middle   | 3762              | -38.26       | -13           | -25.26            | -58.84            | -44.89             | 1.69                 | 8.31                  | H                  |
|          | 5640              | -21.07       | -13           | -8.07             | -46.6             | -28.12             | 2.71                 | 9.76                  | H                  |
|          | 7518              | -34.96       | -13           | -21.96            | -61.88            | -44.35             | 2.42                 | 11.81                 | H                  |
|          | 9400              | -31.31       | -13           | -18.31            | -61.84            | -41.28             | 2.57                 | 12.54                 | H                  |
|          | 11280             | -40.96       | -13           | -27.96            | -75.48            | -50.66             | 2.68                 | 12.39                 | H                  |
|          | 3762              | -40.58       | -13           | -27.58            | -61.26            | -47.21             | 1.69                 | 8.31                  | V                  |
|          | 5640              | -20.14       | -13           | -7.14             | -45.33            | -27.19             | 2.71                 | 9.76                  | V                  |
|          | 7518              | -28.57       | -13           | -15.57            | -55.73            | -37.96             | 2.42                 | 11.81                 | V                  |
|          | 9400              | -35.94       | -13           | -22.94            | -66.87            | -45.91             | 2.57                 | 12.54                 | V                  |
|          | 11280             | -41.38       | -13           | -28.38            | -75.8             | -51.08             | 2.68                 | 12.39                 | V                  |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3822  | -41.58 | -13 | -28.58 | -62.2  | -48.26 | 1.71 | 8.39  | H |
|         | 5730  | -21.26 | -13 | -8.26  | -46.91 | -28.29 | 2.76 | 9.79  | H |
|         | 7638  | -35.22 | -13 | -22.22 | -62.42 | -44.72 | 2.38 | 11.88 | H |
|         | 9546  | -37.04 | -13 | -24.04 | -67.9  | -46.91 | 2.60 | 12.47 | H |
|         | 11457 | -41.76 | -13 | -28.76 | -76.49 | -51.39 | 2.68 | 12.32 | H |
|         | 3822  | -41.47 | -13 | -28.47 | -62.13 | -48.15 | 1.71 | 8.39  | V |
|         | 5730  | -20.26 | -13 | -7.26  | -45.84 | -27.29 | 2.76 | 9.79  | V |
|         | 7638  | -30.18 | -13 | -17.18 | -57.61 | -39.68 | 2.38 | 11.88 | V |
|         | 9546  | -38.28 | -13 | -25.28 | -69.45 | -48.15 | 2.60 | 12.47 | V |
|         | 11457 | -44.78 | -13 | -31.78 | -79.5  | -54.41 | 2.68 | 12.32 | V |

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



## EDGE1900

| EDGE 1900 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest    | 3702              | -45.96       | -13           | -32.96            | -66.65            | -52.53             | 1.67                 | 8.24                  | H                  |
|           | 5550              | -28.26       | -13           | -15.26            | -53.61            | -35.33             | 2.65                 | 9.72                  | H                  |
|           | 7398              | -38.18       | -13           | -25.18            | -65.01            | -47.31             | 2.46                 | 11.60                 | H                  |
|           | 9252              | -37.16       | -13           | -24.16            | -67.18            | -47.22             | 2.54                 | 12.60                 | H                  |
|           | 11100             | -43.21       | -13           | -30.21            | -77.58            | -52.98             | 2.69                 | 12.46                 | H                  |
|           | 3702              | -45.94       | -13           | -32.94            | -64.17            | -52.51             | 1.67                 | 8.24                  | V                  |
|           | 5550              | -28.26       | -13           | -15.26            | -52.88            | -35.33             | 2.65                 | 9.72                  | V                  |
|           | 7398              | -38.15       | -13           | -25.15            | -55.45            | -47.28             | 2.46                 | 11.60                 | V                  |
|           | 9252              | -37.13       | -13           | -24.13            | -68.13            | -47.19             | 2.54                 | 12.60                 | V                  |
|           | 11100             | -43.28       | -13           | -30.28            | -77.35            | -53.05             | 2.69                 | 12.46                 | V                  |
| Middle    | 3762              | -43.58       | -13           | -30.58            | -64.22            | -50.21             | 1.69                 | 8.31                  | H                  |
|           | 5640              | -27.22       | -13           | -14.22            | -52.69            | -34.27             | 2.71                 | 9.76                  | H                  |
|           | 7518              | -40.84       | -13           | -27.84            | -67.77            | -50.23             | 2.42                 | 11.81                 | H                  |
|           | 9400              | -36.64       | -13           | -23.64            | -67.17            | -46.61             | 2.57                 | 12.54                 | H                  |
|           | 3762              | -41.33       | -13           | -28.33            | -62.01            | -47.96             | 1.69                 | 8.31                  | V                  |
|           | 5640              | -25.24       | -13           | -12.24            | -50.73            | -32.29             | 2.71                 | 9.76                  | V                  |
|           | 7518              | -33.54       | -13           | -20.54            | -60.7             | -42.93             | 2.42                 | 11.81                 | V                  |
|           | 9400              | -38.56       | -13           | -25.56            | -69.5             | -48.53             | 2.57                 | 12.54                 | V                  |
| Highest   | 3822              | -42.28       | -13           | -29.28            | -62.89            | -48.96             | 1.71                 | 8.39                  | H                  |
|           | 5730              | -27.63       | -13           | -14.63            | -53.32            | -34.66             | 2.76                 | 9.79                  | H                  |
|           | 7638              | -42.68       | -13           | -29.68            | -69.9             | -52.18             | 2.38                 | 11.88                 | H                  |
|           | 9546              | -38.45       | -13           | -25.45            | -69.24            | -48.32             | 2.60                 | 12.47                 | H                  |
|           | 3822              | -39.56       | -13           | -26.56            | -60.29            | -46.24             | 1.71                 | 8.39                  | V                  |
|           | 5730              | -26.89       | -13           | -13.89            | -52.56            | -33.92             | 2.76                 | 9.79                  | V                  |
|           | 7638              | -33.82       | -13           | -20.82            | -61.28            | -43.32             | 2.38                 | 11.88                 | V                  |
|           | 9546              | -40.32       | -13           | -27.32            | -71.49            | -50.19             | 2.60                 | 12.47                 | V                  |

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





WCDMA 1900

| WCDMA 1900 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest     | 3708              | -51.16       | -13           | -38.16            | -71.83            | -57.74             | 1.67                 | 8.25                  | H                  |
|            | 5562              | -39.18       | -13           | -26.18            | -64.51            | -46.24             | 2.66                 | 9.72                  | H                  |
|            | 7410              | -49.35       | -13           | -36.35            | -76.18            | -58.51             | 2.46                 | 11.62                 | H                  |
|            | 3708              | -49.28       | -13           | -36.28            | -69.87            | -55.86             | 1.67                 | 8.25                  | V                  |
|            | 5562              | -36.36       | -13           | -23.36            | -61.66            | -43.42             | 2.66                 | 9.72                  | V                  |
|            | 7410              | -43.98       | -13           | -30.98            | -71.05            | -53.14             | 2.46                 | 11.62                 | V                  |
| Middle     | 3756              | -49.32       | -13           | -36.32            | -69.95            | -55.94             | 1.68                 | 8.31                  | H                  |
|            | 5640              | -38.26       | -13           | -25.26            | -63.68            | -45.31             | 2.71                 | 9.76                  | H                  |
|            | 7518              | -49.77       | -13           | -36.77            | -76.73            | -59.16             | 2.42                 | 11.81                 | H                  |
|            | 3756              | -49.96       | -13           | -36.96            | -70.63            | -56.58             | 1.68                 | 8.31                  | V                  |
|            | 5640              | -37.04       | -13           | -24.04            | -62.52            | -44.09             | 2.71                 | 9.76                  | V                  |
|            | 7518              | -44.87       | -13           | -31.87            | -72.02            | -54.26             | 2.42                 | 11.81                 | V                  |
| Highest    | 3816              | -47.86       | -13           | -34.86            | -68.58            | -54.54             | 1.70                 | 8.38                  | H                  |
|            | 5724              | -37.53       | -13           | -24.53            | -63.38            | -44.57             | 2.75                 | 9.79                  | H                  |
|            | 7632              | -48.83       | -13           | -35.83            | -76.28            | -58.32             | 2.39                 | 11.88                 | H                  |
|            | 3816              | -47.19       | -13           | -34.19            | -68.06            | -53.87             | 1.70                 | 8.38                  | V                  |
|            | 5724              | -35.37       | -13           | -22.37            | -61.32            | -42.41             | 2.75                 | 9.79                  | V                  |
|            | 7632              | -45.02       | -13           | -32.02            | -72.8             | -54.51             | 2.39                 | 11.88                 | V                  |

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



**CDMABC1**

| CDMA2000 BC1 |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel      | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest       | 3702              | -47.66      | -13           | -34.66            | -68.34            | -54.23             | 1.67                 | 8.24                  | H                  |
|              | 5556              | -35.41      | -13           | -22.41            | -60.74            | -42.48             | 2.66                 | 9.72                  | H                  |
|              | 7404              | -47.54      | -13           | -34.54            | -74.33            | -56.69             | 2.46                 | 11.61                 | H                  |
|              | 9252              | -43.78      | -13           | -30.78            | -73.84            | -53.84             | 2.54                 | 12.60                 | H                  |
|              | 3702              | -51.57      | -13           | -38.57            | -72.27            | -58.14             | 1.67                 | 8.24                  | V                  |
|              | 5556              | -32.26      | -13           | -19.26            | -57.48            | -39.33             | 2.66                 | 9.72                  | V                  |
|              | 7404              | -38.58      | -13           | -25.58            | -65.62            | -47.73             | 2.46                 | 11.61                 | V                  |
|              | 9252              | -44.86      | -13           | -31.86            | -75.32            | -54.92             | 2.54                 | 12.60                 | V                  |
| Middle       | 3762              | -47.43      | -13           | -34.43            | -68.08            | -54.06             | 1.69                 | 8.31                  | H                  |
|              | 5640              | -34.06      | -13           | -21.06            | -59.58            | -41.11             | 2.71                 | 9.76                  | H                  |
|              | 7520              | -39.94      | -13           | -26.94            | -66.88            | -49.33             | 2.42                 | 11.81                 | H                  |
|              | 9400              | -42.96      | -13           | -29.96            | -73.48            | -52.93             | 2.57                 | 12.54                 | H                  |
|              | 3762              | -46.79      | -13           | -33.79            | -67.45            | -53.42             | 1.69                 | 8.31                  | V                  |
|              | 5640              | -33.31      | -13           | -20.31            | -58.76            | -40.36             | 2.71                 | 9.76                  | V                  |
|              | 7520              | -38.22      | -13           | -25.22            | -65.41            | -47.61             | 2.42                 | 11.81                 | V                  |
|              | 9400              | -45.84      | -13           | -32.84            | -76.76            | -55.81             | 2.57                 | 12.54                 | V                  |
| Highest      | 3816              | -49.54      | -13           | -36.54            | -70.13            | -56.22             | 1.70                 | 8.38                  | H                  |
|              | 5724              | -34.27      | -13           | -21.27            | -59.84            | -41.31             | 2.75                 | 9.79                  | H                  |
|              | 7632              | -48.88      | -13           | -35.88            | -76.12            | -58.37             | 2.39                 | 11.88                 | H                  |
|              | 3816              | -49.26      | -13           | -36.26            | -69.79            | -55.94             | 1.70                 | 8.38                  | V                  |
|              | 5724              | -34.78      | -13           | -21.78            | -60.41            | -41.82             | 2.75                 | 9.79                  | V                  |
|              | 7632              | -44.47      | -13           | -31.47            | -71.92            | -53.96             | 2.39                 | 11.88                 | V                  |

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