



# FCC RADIO TEST REPORT

FCC ID : A4RG9S9B  
Equipment : Phone  
Model Name : G9S9B  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on May 27, 2021 and testing was started from Jun. 10, 2021 and completed on Jul. 09, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, 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 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.

Louis Wu

Approved by: Louis Wu

**Sporton International Inc. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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**Appendix A. Test Results of Conducted Test**

**Appendix B. Test Results of Radiated Test**



### History of this test report

| Report No.   | Version | Description             | Issued Date   |
|--------------|---------|-------------------------|---------------|
| FG0D2942-04A | 01      | Initial issue of report | Jul. 29, 2021 |
|              |         |                         |               |
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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)(5)                                      | Effective Radiated Power (GSM850) (WCDMA Band V)   |                    |  |
|               | §24.232 (c)   | Equivalent Isotropic Radiated Power (GSM1900) (WCDMA Band II)  |                    |  |
|               | §27.50 (d)(4)                                       | Equivalent Isotropic Radiated Power (WCDMA Band IV)  |                    |  |
| 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 (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)                   | Pass               | -  |
| 3.5           | §2.1051<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (g) | Band Edge Measurement (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)                | Pass               | -  |
| 3.6           | §2.1051<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (g) | Conducted Emission (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV)                   | Pass               | -  |
| 3.7           | §2.1055<br>§22.355<br>§24.235<br>§27.54             | Frequency Stability Temperature & Voltage  | Pass               | -  |
| 4.4           | §2.1053<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (h) | Field Strength of Spurious Radiation (GSM850) (WCDMA Band V) (GSM1900) (WCDMA Band II) (WCDMA Band IV) | Pass               | Under limit 12.60 dB at 2544.000 MHz for Primary Antenna<br>Under limit 17.65 dB at 5640.000 MHz for ASDIV Antenna |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: William Chen**

**Report Producer: Ruby Zou**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |   |
|---------------------------------|---|
| Equipment                       | Phone   |
| Model Name                      | G9S9B   |
| FCC ID                          | A4RG9S9B  |
| EUT supports Radios application | GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/NFC/<br>GNSS/WPC/WPT<br>WLAN 11b/g/n HT20<br>WLAN 11a/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80/VHT160<br>WLAN 11ax HE20/HE40/HE80/HE160<br>Bluetooth BR/EDR/LE |

Remark: The above EUT's information was declared by manufacturer.

| EUT Information List             |                                   |
|----------------------------------|-----------------------------------|
| S/N                              | Performed Test Item               |
| 14191FDF60001Y                   | Conducted Measurement<br>ERP/EIRP |
| 15211FDF600057<br>15201FDF60001W | Radiated Spurious Emission        |



## 1.2 Product Specification of Equipment Under Test

| Product Specification subjective to this standard |  |
|---|--|
| <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   |
| <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   |
| <b>Maximum Output Power to Antenna</b>            | <b>&lt;Primary Antenna&gt;</b><br><b>GSM/GPRS/EDGE:</b><br>850: 32.61 dBm<br>1900: 30.43 dBm<br><b>WCDMA:</b><br>Band V: 24.73 dBm<br>Band II: 24.82 dBm<br>Band IV: 24.63 dBm<br><b>&lt;ASDIV Antenna&gt;</b><br><b>GSM/GPRS/EDGE:</b><br>850: 32.68 dBm<br>1900: 29.98 dBm<br><b>WCDMA:</b><br>Band V: 24.58 dBm<br>Band II: 24.35 dBm<br>Band IV: 24.14 dBm |
| <b>Antenna Type</b>                               | <b>&lt;Primary Antenna&gt;</b><br><b>&lt;Ant. 0&gt;</b> : ILA Antenna type<br><b>&lt;Ant. 2&gt;</b> : ILA Antenna type<br><b>&lt;ASDIV Antenna&gt;</b><br><b>&lt;Ant. 0&gt;</b> : ILA Antenna type<br><b>&lt;Ant. 1&gt;</b> : ILA Antenna type   |
| <b>Type of Modulation</b>                         | GSM / GPRS: GMSK<br>EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK<br>WCDMA: QPSK (Uplink)<br>HSDPA: 64QAM (Downlink)<br>HSUPA: QPSK (Uplink)   |



<Primary Antenna>

| Radio Tech | Band Number | Antenna name | Gain |
|------------|-------------|--------------|------|
| GSM        | 850         | Ant 0        | -3.5 |
| GSM        | 1900        | Ant 2        | 0.3  |
| WCDMA      | B2          | Ant 2        | 0.3  |
| WCDMA      | B4          | Ant 2        | -1.3 |
| WCDMA      | B5          | Ant 0        | -3.5 |

<ASDIV Antenna>

| Radio Tech | Band Number | Antenna name | Gain |
|------------|-------------|--------------|------|
| GSM        | 850         | Ant 1        | -5.6 |
| GSM        | 1900        | Ant 0        | 0.8  |
| WCDMA      | B2          | Ant 0        | 0.8  |
| WCDMA      | B4          | Ant 0        | -0.3 |
| WCDMA      | B5          | Ant 1        | -5.6 |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

### 1.3 Modification of EUT

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



### 1.4 Testing Location

|                           |   |
|---------------------------|---|
| <b>Test Site</b>          | Sporton International Inc. EMC & Wireless Communications Laboratory   |
| <b>Test Site Location</b> | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City 333, 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   |
| <b>Test Engineer</b>      | Oscar Chi   |
| <b>Temperature</b>        | 21-24°C   |
| <b>Relative Humidity</b>  | 51-55%  |

|                           |  |
|---------------------------|--|
| <b>Test Site</b>          | Sporton International Inc. Wensan Laboratory   |
| <b>Test Site Location</b> | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>  |
|                           | 03CH12-HY (TAF Code: 3786)   |
| <b>Test Engineer</b>      | Jack Cheng, Lance Chiang and Chuan Chu   |
| <b>Temperature</b>        | 22.6~26.2°C  |
| <b>Relative Humidity</b>  | 56.6~68.2%   |
| <b>Remark</b>             | The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.  |

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

FCC Designation No.: TW1190 and TW3786





## **1.5 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
- ♦ FCC 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
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.



## 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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find <Primary Antenna>: Y Plane without Accessory for Cellular Band, Y Plane with Adapter for PCS Band and AWS Band; <ASDIV Antenna>: Y Plane without Accessory for Cellular Band, Z Plane with Adapter for PCS Band, X Plane with Adapter for AWS Band as worst plane

Radiated emissions were investigated as following frequency range:

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

All modes, data rates and positions were investigated.

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

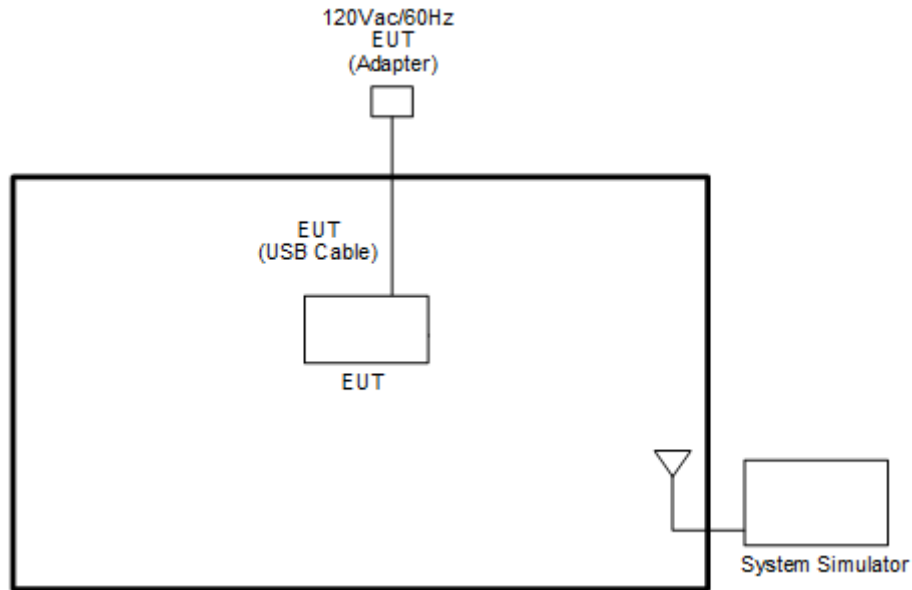
| Test Modes    |  |  |
|---------------|--|--|
| Band          | Radiated TCs   | Conducted TCs  |
| GSM850        | <ul style="list-style-type: none"> <li>■ GPRS Class 8 Link</li> <li>■ EDGE Class 8 Link</li> </ul> | <ul style="list-style-type: none"> <li>■ GPRS Class 8 Link</li> <li>■ EDGE Class 8 Link</li> </ul> |
| GSM1900       | <ul style="list-style-type: none"> <li>■ GPRS Class 8 Link</li> <li>■ EDGE Class 8 Link</li> </ul> | <ul style="list-style-type: none"> <li>■ GPRS Class 8 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>                              |

**Remark:**

1. During the preliminary test, both charging modes (Adapter mode and WPC Charging mode) were verified. It is determined that the adaptor mode is the worst case for official test.
2. All the radiated test cases were performed with Adapter 1 and USB Cable 2.

## 2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT without Accessory>



## 2.3 Support Unit used in test configuration

| Item | Equipment        | Brand 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.

Offset = RF cable loss + attenuator factor.

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

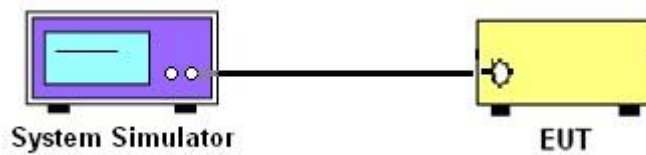
### 3 Conducted Test Result

#### 3.1 Measuring Instruments

See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

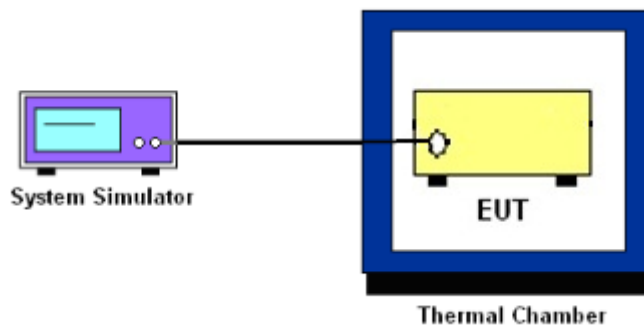
##### 3.1.2 Conducted Output Power



##### 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 the lowest, middle, and the 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 ANSI C63.26-2015 Section 5.2.6

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 ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

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 6.1.

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 6.1.

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

22.355

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.

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### 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.

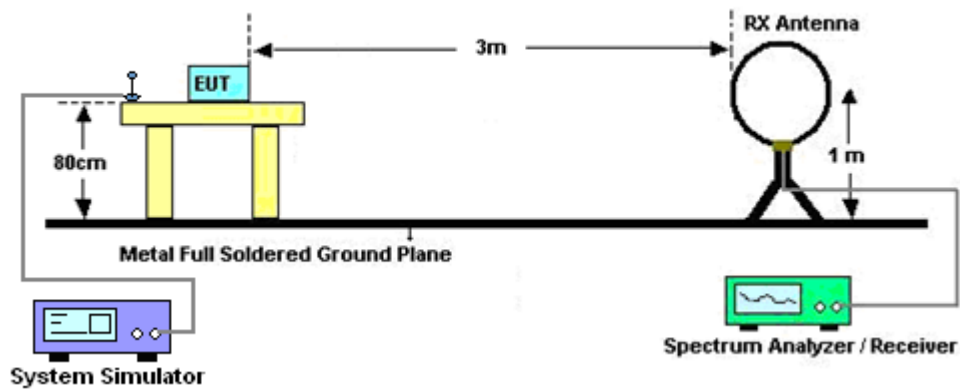
## 4 Radiated Test Items

### 4.1 Measuring Instruments

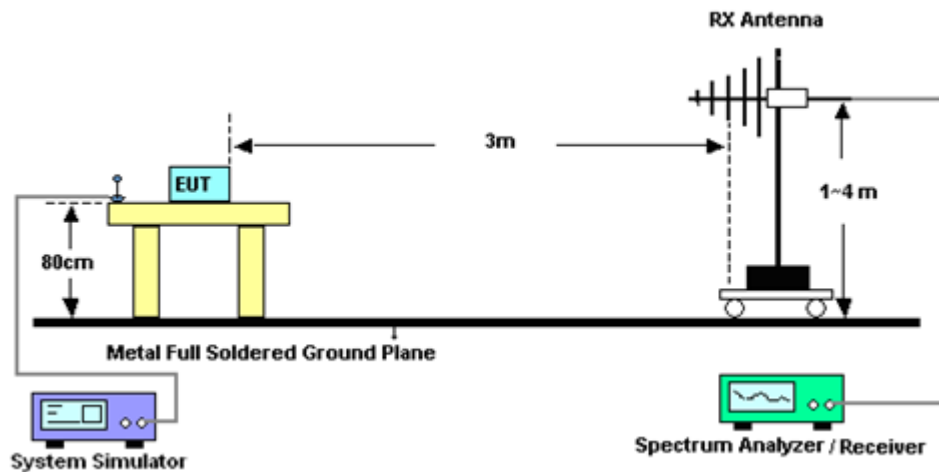
See list of measuring instruments of this test report.

### 4.2 Test Setup

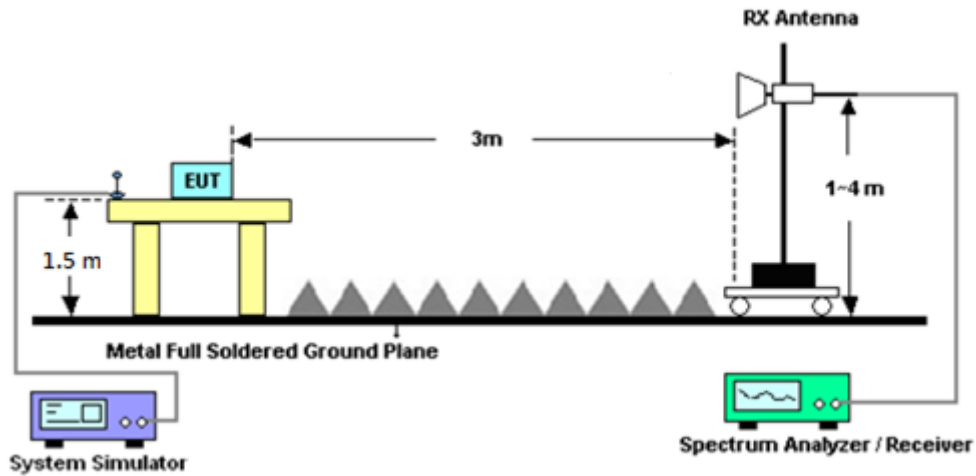
For radiated test below 30MHz



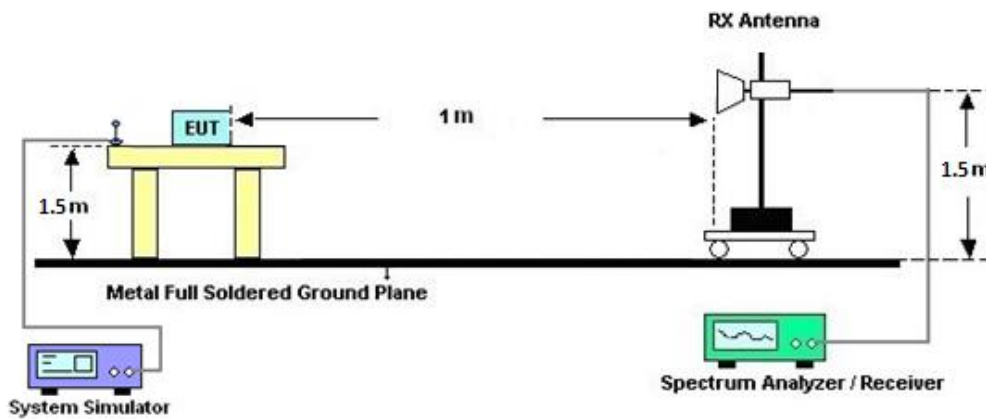
For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



For radiated test above 18GHz



### 4.3 Test Result of Radiated Test

Please refer to Appendix B.

**Note:**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



## 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 7 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 1 GHz and 1.5 meter for frequency above 1 GHz 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 = 1 MHz, VBW = 3 MHz, 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. Take the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11.  $ERP \text{ (dBm)} = EIRP - 2.15$
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              | Brand Name                 | Model No.                            | Serial No.      | Characteristics             | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-------------------------|----------------------------|--------------------------------------|-----------------|-----------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna            | Rohde & Schwarz            | HFH2-Z2                              | 100315          | 9 kHz~30 MHz                | Jan. 04, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Jan. 03, 2022 | Radiation<br>(03CH12-HY) |
| Bilog Antenna           | TESEQ                      | CBL 6111D &<br>00800N1D01N<br>-06    | 37059 & 01      | 30MHz~1GHz                  | Oct. 11, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Oct. 10, 2021 | Radiation<br>(03CH12-HY) |
| Horn Antenna            | SCHWARZBE<br>CK            | BBHA 9120 D                          | 9120D-1328      | 1GHz~18GHz                  | Nov. 23, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Nov. 22, 2021 | Radiation<br>(03CH12-HY) |
| Horn Antenna            | SCHWARZBE<br>CK            | BBHA 9120 D                          | 9120D-1212      | 1GHz~18GHz                  | May 05, 2021     | Jun. 16, 2021~<br>Jul. 09, 2021 | May 04, 2022  | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK            | BBHA 9170                            | 00993           | 18GHz~40GHz                 | Nov. 19, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Nov. 18, 2021 | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK            | BBHA 9170                            | BBHA917057<br>6 | 18GHz~40GHz                 | May 21, 2021     | Jun. 16, 2021~<br>Jul. 09, 2021 | May 20, 2022  | Radiation<br>(03CH12-HY) |
| Preamplifier            | COM-POWER                  | PA-103                               | 161075          | 10MHz~1GHz                  | Mar. 24, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Mar. 23, 2022 | Radiation<br>(03CH12-HY) |
| Preamplifier            | Keysight                   | 83017A                               | MY57280120      | 1GHz~26.5GHz                | Jul. 20, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Jul. 19, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | E-INSTRUME<br>NT TECH LTD. | ERA-100M-18<br>G-56-01-A70           | EC1900249       | 1GHz-18GHz                  | Dec. 05, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Dec. 04, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier            | EMEC                       | EM18G40G                             | 060715          | 18GHz~40GHz                 | Dec. 11, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Dec. 10, 2021 | Radiation<br>(03CH12-HY) |
| Spectrum<br>Analyzer    | Agilent                    | N9010A                               | MY53470118      | 10Hz~44GHz                  | Jan. 15, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Jan. 14, 2022 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER          | SUCOFLEX<br>104                      | MY9837/4PE      | 9kHz~30MHz                  | Mar. 11, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Mar. 10, 2022 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER          | SUCOFLEX<br>126E                     | 0058/126E       | 30MHz~18GHz                 | Dec. 11, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Dec. 10, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER          | SUCOFLEX<br>102                      | 505134/2        | 30MHz~40GHz                 | Feb. 22, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Feb. 21, 2022 | Radiation<br>(03CH12-HY) |
| RF Cable                | HUBER +<br>SUHNER          | SUCOFLEX<br>102                      | 800740/2        | 30MHz~40GHz                 | Feb. 22, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Feb. 21, 2022 | Radiation<br>(03CH12-HY) |
| Antenna Mast            | EMEC                       | AM-BS-4500-B                         | N/A             | 1m~4m                       | N/A              | Jun. 16, 2021~<br>Jul. 09, 2021 | N/A           | Radiation<br>(03CH12-HY) |
| Turn Table              | EMEC                       | TT2000                               | N/A             | 0~360 Degree                | N/A              | Jun. 16, 2021~<br>Jul. 09, 2021 | N/A           | Radiation<br>(03CH12-HY) |
| Software                | Audix                      | E3<br>6.2009-8-24                    | RK-000989       | N/A                         | N/A              | Jun. 16, 2021~<br>Jul. 09, 2021 | N/A           | Radiation<br>(03CH12-HY) |
| Filter                  | Wainwright                 | WLKS1200-12<br>SS                    | SN2             | 1.2GHz Low<br>Pass Filter   | Mar. 17, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Mar. 16, 2022 | Radiation<br>(03CH12-HY) |
| Filter                  | Wainwright                 | WHKX12-2700<br>-3000-18000-6<br>0ST  | SN2             | 3GHz High Pass<br>Filter    | Jul. 14, 2020    | Jun. 16, 2021~<br>Jul. 09, 2021 | Jul. 13, 2021 | Radiation<br>(03CH12-HY) |
| Filter                  | Wainwright                 | WHKX8-5872.<br>5-6750-18000-<br>40ST | SN2             | 6.75GHz High<br>Pass Filter | Mar. 17, 2021    | Jun. 16, 2021~<br>Jul. 09, 2021 | Mar. 16, 2022 | Radiation<br>(03CH12-HY) |



| Instrument                | Brand Name      | Model No.             | Serial No. | Characteristics                 | Calibration Date | Test Date                       | Due Date      | Remark                 |
|---------------------------|-----------------|-----------------------|------------|---------------------------------|------------------|---------------------------------|---------------|------------------------|
| Hygrometer                | Testo           | 608-H1                | 34893241   | N/A                             | Mar. 03, 2021    | Jun. 10, 2021~<br>Jun. 12, 2021 | Mar. 02, 2022 | Conducted<br>(TH03-HY) |
| Spectrum Analyzer         | Rohde & Schwarz | FSP30                 | 101329     | 9kHz~30GHz                      | Sep. 03, 2020    | Jun. 10, 2021~<br>Jun. 12, 2021 | Sep. 02, 2021 | Conducted<br>(TH03-HY) |
| Temperature Chamber       | ESPEC           | SH-641                | 92013720   | -40°C ~90°C                     | Sep. 14, 2020    | Jun. 10, 2021~<br>Jun. 12, 2021 | Sep. 13, 2021 | Conducted<br>(TH03-HY) |
| Programmable Power Supply | GW Instek       | PSS-2005              | EL890001   | 1V~20V<br>0.5A~4A               | Oct. 05, 2020    | Jun. 10, 2021~<br>Jun. 12, 2021 | Oct. 04, 2021 | Conducted<br>(TH03-HY) |
| Base Station (Measure)    | Rohde & Schwarz | CMU200                | 117995     | GSM / GPRS /<br>WCDMA /<br>CDMA | Sep. 07, 2020    | Jun. 10, 2021~<br>Jun. 12, 2021 | Sep. 06, 2021 | Conducted<br>(TH03-HY) |
| Power Divider             | Warison         | WCOU-0.4-26.<br>5S-20 | #A         | N/A                             | Nov. 03, 2020    | Jun. 10, 2021~<br>Jun. 12, 2021 | Nov. 02, 2021 | Conducted<br>(TH03-HY) |





## 6 Uncertainty of Evaluation

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

|   |         |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.10 dB |
|---|---------|

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

|   |         |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.39 dB |
|---|---------|

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

|   |         |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.34 dB |
|---|---------|



## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power) & ERP / EIRP

#### <Primary Antenna>

| GSM850 Maximum Average Power [dBm] (GT - LC = -3.5 dB) |          |       |       |           |         |
|--|----------|-------|-------|-----------|---------|
| Channel  | 128      | 189   | 251   | ERP (dBm) | ERP (W) |
| Frequency  | 824.2    | 836.4 | 848.8 |           |         |
| GSM  | 32.58    | 32.43 | 32.39 | 26.96     | 0.4966  |
| GPRS class 8   | 32.61    | 32.50 | 32.40 |           |         |
| GPRS class 10  | 32.28    | 32.05 | 31.83 |           |         |
| GPRS class 11  | 30.80    | 30.43 | 30.05 |           |         |
| GPRS class 12  | 29.75    | 29.83 | 29.53 |           |         |
| EGPRS class 8  | 27.47    | 27.56 | 27.26 | 21.91     | 0.1552  |
| EGPRS class 10   | 26.96    | 26.89 | 26.85 |           |         |
| EGPRS class 11   | 26.89    | 26.90 | 26.88 |           |         |
| EGPRS class 12   | 24.92    | 24.98 | 24.63 |           |         |
| Limit  | ERP < 7W |       |       |           |         |

| GSM1900 Maximum Average Power [dBm] (GT - LC = 0.3 dB) |           |       |        |            |          |
|--|-----------|-------|--------|------------|----------|
| Channel  | 512       | 661   | 810    | EIRP (dBm) | EIRP (W) |
| Frequency  | 1850.2    | 1880  | 1909.8 |            |          |
| GSM  | 30.38     | 30.33 | 30.21  | 30.73      | 1.1830   |
| GPRS class 8   | 30.43     | 30.39 | 30.23  |            |          |
| GPRS class 10  | 28.87     | 28.70 | 28.51  |            |          |
| GPRS class 11  | 28.15     | 28.07 | 28.10  |            |          |
| GPRS class 12  | 27.23     | 27.01 | 26.86  |            |          |
| EGPRS class 8  | 25.35     | 25.17 | 25.26  | 25.65      | 0.3673   |
| EGPRS class 10   | 24.36     | 23.98 | 24.14  |            |          |
| EGPRS class 11   | 24.09     | 23.92 | 23.92  |            |          |
| EGPRS class 12   | 22.94     | 22.34 | 22.52  |            |          |
| Limit  | EIRP < 2W |       |        |            |          |



| WCDMA Band V Maximum Average Power [dBm] (GT - LC = -3.5 dB) |          |       |       |           |         |
|--|----------|-------|-------|-----------|---------|
| Channel  | 4132     | 4182  | 4233  | ERP (dBm) | ERP (W) |
| Frequency  | 826.4    | 836.4 | 846.6 |           |         |
| RMC 12.2K  | 24.73    | 24.72 | 24.64 | 19.08     | 0.0809  |
| HSDPA Subtest-1  | 24.67    | 24.68 | 24.67 |           |         |
| HSDPA Subtest-2  | 24.65    | 24.71 | 24.70 |           |         |
| HSDPA Subtest-3  | 24.26    | 24.39 | 24.34 |           |         |
| HSDPA Subtest-4  | 24.25    | 24.38 | 24.30 |           |         |
| HSUPA Subtest-1  | 24.35    | 24.25 | 24.33 |           |         |
| HSUPA Subtest-2  | 23.51    | 23.52 | 23.51 |           |         |
| HSUPA Subtest-3  | 23.59    | 23.65 | 23.56 |           |         |
| HSUPA Subtest-4  | 23.55    | 23.56 | 23.53 |           |         |
| HSUPA Subtest-5  | 24.70    | 24.69 | 24.70 |           |         |
| Limit  | ERP < 7W |       |       |           |         |

| WCDMA Band II Maximum Average Power [dBm] (GT - LC = 0.3 dB) |           |       |        |            |          |
|--|-----------|-------|--------|------------|----------|
| Channel  | 9262      | 9400  | 9538   | EIRP (dBm) | EIRP (W) |
| Frequency  | 1852.4    | 1880  | 1907.6 |            |          |
| RMC 12.2K  | 24.82     | 24.65 | 24.75  | 25.12      | 0.3251   |
| HSDPA Subtest-1  | 24.81     | 24.81 | 24.53  |            |          |
| HSDPA Subtest-2  | 24.47     | 24.64 | 24.65  |            |          |
| HSDPA Subtest-3  | 24.35     | 24.33 | 24.81  |            |          |
| HSDPA Subtest-4  | 24.78     | 24.46 | 24.47  |            |          |
| HSUPA Subtest-1  | 23.77     | 23.61 | 23.67  |            |          |
| HSUPA Subtest-2  | 23.47     | 23.32 | 23.40  |            |          |
| HSUPA Subtest-3  | 23.82     | 23.65 | 23.73  |            |          |
| HSUPA Subtest-4  | 23.45     | 23.35 | 23.46  |            |          |
| HSUPA Subtest-5  | 24.70     | 24.60 | 24.60  |            |          |
| Limit  | EIRP < 2W |       |        |            |          |

| WCDMA Band IV Maximum Average Power [dBm] (GT - LC = -1.3 dB) |           |        |        |            |          |
|---|-----------|--------|--------|------------|----------|
| Channel   | 1312      | 1413   | 1513   | EIRP (dBm) | EIRP (W) |
| Frequency   | 1712.4    | 1732.6 | 1752.6 |            |          |
| RMC 12.2K   | 24.62     | 24.60  | 24.63  | 23.33      | 0.2153   |
| HSDPA Subtest-1   | 24.58     | 24.57  | 24.33  |            |          |
| HSDPA Subtest-2   | 24.28     | 24.59  | 24.55  |            |          |
| HSDPA Subtest-3   | 24.27     | 24.24  | 24.60  |            |          |
| HSDPA Subtest-4   | 24.60     | 24.34  | 24.38  |            |          |
| HSUPA Subtest-1   | 23.58     | 23.54  | 23.60  |            |          |
| HSUPA Subtest-2   | 23.33     | 23.24  | 23.33  |            |          |
| HSUPA Subtest-3   | 23.59     | 23.52  | 23.60  |            |          |
| HSUPA Subtest-4   | 23.36     | 23.26  | 23.34  |            |          |
| HSUPA Subtest-5   | 24.60     | 24.60  | 24.60  |            |          |
| Limit   | EIRP < 1W |        |        |            |          |



<ASDIV Antenna>

| GSM850 Maximum Average Power [dBm] (GT - LC = -5.6 dB) |          |       |       |           |         |
|--|----------|-------|-------|-----------|---------|
| Channel  | 128      | 189   | 251   | ERP (dBm) | ERP (W) |
| Frequency  | 824.2    | 836.4 | 848.8 |           |         |
| GSM  | 32.52    | 32.57 | 32.67 | 24.93     | 0.3112  |
| GPRS class 8   | 32.56    | 32.58 | 32.68 |           |         |
| GPRS class 10  | 31.72    | 31.53 | 31.36 |           |         |
| GPRS class 11  | 29.99    | 29.82 | 29.54 |           |         |
| GPRS class 12  | 29.16    | 28.69 | 28.42 |           |         |
| EGPRS class 8  | 26.87    | 26.78 | 26.70 | 19.12     | 0.0817  |
| EGPRS class 10   | 26.19    | 26.32 | 26.38 |           |         |
| EGPRS class 11   | 26.06    | 26.13 | 26.21 |           |         |
| EGPRS class 12   | 23.97    | 24.16 | 23.91 |           |         |
| Limit  | ERP < 7W |       |       | Result    | Pass    |

| GSM1900 Maximum Average Power [dBm] (GT - LC = 0.8 dB) |           |       |        |            |          |
|--|-----------|-------|--------|------------|----------|
| Channel  | 512       | 661   | 810    | EIRP (dBm) | EIRP (W) |
| Frequency  | 1850.2    | 1880  | 1909.8 |            |          |
| GSM  | 29.93     | 29.87 | 29.83  | 30.78      | 1.1967   |
| GPRS class 8   | 29.98     | 29.92 | 29.86  |            |          |
| GPRS class 10  | 28.24     | 28.34 | 28.37  |            |          |
| GPRS class 11  | 27.64     | 27.89 | 27.77  |            |          |
| GPRS class 12  | 26.71     | 26.78 | 26.60  |            |          |
| EGPRS class 8  | 24.99     | 24.96 | 25.09  | 25.89      | 0.3882   |
| EGPRS class 10   | 23.95     | 24.08 | 24.18  |            |          |
| EGPRS class 11   | 23.75     | 23.85 | 23.89  |            |          |
| EGPRS class 12   | 22.52     | 22.34 | 22.54  |            |          |
| Limit  | EIRP < 2W |       |        | Result     | Pass     |



| WCDMA Band V Maximum Average Power [dBm] (GT - LC = -5.6 dB) |          |       |       |           |         |
|--|----------|-------|-------|-----------|---------|
| Channel  | 4132     | 4182  | 4233  | ERP (dBm) | ERP (W) |
| Frequency  | 826.4    | 836.4 | 846.6 |           |         |
| RMC 12.2K  | 24.56    | 24.58 | 24.43 | 16.83     | 0.0482  |
| HSDPA Subtest-1  | 24.53    | 24.55 | 24.51 |           |         |
| HSDPA Subtest-2  | 24.47    | 24.56 | 24.48 |           |         |
| HSDPA Subtest-3  | 24.10    | 24.19 | 24.08 |           |         |
| HSDPA Subtest-4  | 23.58    | 23.71 | 23.60 |           |         |
| HSUPA Subtest-1  | 23.40    | 23.45 | 23.40 |           |         |
| HSUPA Subtest-2  | 22.53    | 22.53 | 22.52 |           |         |
| HSUPA Subtest-3  | 23.44    | 23.42 | 23.41 |           |         |
| HSUPA Subtest-4  | 22.45    | 22.47 | 22.44 |           |         |
| HSUPA Subtest-5  | 24.33    | 24.35 | 24.50 |           |         |
| Limit  | ERP < 7W |       |       |           |         |

| WCDMA Band II Maximum Average Power [dBm] (GT - LC = 0.8 dB) |           |       |        |            |          |
|--|-----------|-------|--------|------------|----------|
| Channel  | 9262      | 9400  | 9538   | EIRP (dBm) | EIRP (W) |
| Frequency  | 1852.4    | 1880  | 1907.6 |            |          |
| RMC 12.2K  | 24.35     | 24.25 | 24.34  | 25.15      | 0.3273   |
| HSDPA Subtest-1  | 24.28     | 24.27 | 24.31  |            |          |
| HSDPA Subtest-2  | 24.30     | 24.26 | 24.27  |            |          |
| HSDPA Subtest-3  | 24.07     | 23.99 | 24.02  |            |          |
| HSDPA Subtest-4  | 23.61     | 23.53 | 23.59  |            |          |
| HSUPA Subtest-1  | 23.39     | 23.19 | 23.28  |            |          |
| HSUPA Subtest-2  | 23.09     | 22.99 | 22.98  |            |          |
| HSUPA Subtest-3  | 23.45     | 23.25 | 23.33  |            |          |
| HSUPA Subtest-4  | 23.10     | 23.11 | 23.10  |            |          |
| HSUPA Subtest-5  | 24.00     | 24.01 | 23.92  |            |          |
| Limit  | EIRP < 2W |       |        |            |          |

| WCDMA Band IV Maximum Average Power [dBm] (GT - LC = -0.3 dB) |           |        |        |            |          |
|---|-----------|--------|--------|------------|----------|
| Channel   | 1312      | 1413   | 1513   | EIRP (dBm) | EIRP (W) |
| Frequency   | 1712.4    | 1732.6 | 1752.6 |            |          |
| RMC 12.2K   | 24.08     | 24.08  | 24.14  | 23.84      | 0.2421   |
| HSDPA Subtest-1   | 24.12     | 24.10  | 24.11  |            |          |
| HSDPA Subtest-2   | 22.90     | 24.04  | 24.10  |            |          |
| HSDPA Subtest-3   | 23.81     | 23.81  | 23.91  |            |          |
| HSDPA Subtest-4   | 22.90     | 23.85  | 23.91  |            |          |
| HSUPA Subtest-1   | 23.01     | 22.90  | 22.94  |            |          |
| HSUPA Subtest-2   | 22.90     | 22.81  | 22.84  |            |          |
| HSUPA Subtest-3   | 23.25     | 23.13  | 23.18  |            |          |
| HSUPA Subtest-4   | 22.92     | 22.94  | 22.91  |            |          |
| HSUPA Subtest-5   | 23.84     | 23.91  | 23.75  |            |          |
| Limit   | EIRP < 1W |        |        |            |          |



## A2. GSM

### Peak-to-Average Ratio

| Mode       | GSM850       |              | Limit: 13dB |
|------------|--------------|--------------|-------------|
| Mod.       | GPRS class 8 | EDGE class 8 | Result      |
| Lowest CH  | 0.28         | 2.96         | PASS        |
| Middle CH  | 0.28         | 3.08         |             |
| Highest CH | 0.28         | 3.00         |             |

| Mode       | GSM1900      |              | Limit: 13dB |
|------------|--------------|--------------|-------------|
| Mod.       | GPRS class 8 | EDGE class 8 | Result      |
| Lowest CH  | 0.40         | 3.52         | PASS        |
| Middle CH  | 0.40         | 3.32         |             |
| Highest CH | 0.44         | 3.28         |             |



| GSM850 (GPRS class 8)   | GSM850 (EDGE class 8)   |
|---|---|
| <p align="center"><b>Lowest Channel</b></p> <p align="center">Date: 10.JUN.2021 11:08:26</p>  | <p align="center"><b>Lowest Channel</b></p> <p align="center">Date: 10.JUN.2021 13:46:28</p>  |
| <p align="center"><b>Middle Channel</b></p> <p align="center">Date: 10.JUN.2021 11:08:47</p>  | <p align="center"><b>Middle Channel</b></p> <p align="center">Date: 10.JUN.2021 13:46:45</p>  |
| <p align="center"><b>Highest Channel</b></p> <p align="center">Date: 10.JUN.2021 11:09:04</p> | <p align="center"><b>Highest Channel</b></p> <p align="center">Date: 10.JUN.2021 13:47:03</p> |



| GSM1900 (GPRS class 8)  | GSM1900 (EDGE class 8)  |
|---|---|
| <p style="text-align: center;"><b>Lowest Channel</b></p> <p>Center 1.8502 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 29.91 dBm<br/>Peak 30.38 dBm<br/>Crest 0.47 dB</p> <p>10 % 0.28 dB<br/>1 % 0.36 dB<br/>.1 % 0.40 dB<br/>.01 % 0.44 dB</p> <p>Date: 10.JUN.2021 11:29:03</p>  | <p style="text-align: center;"><b>Lowest Channel</b></p> <p>Center 1.8502 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 24.46 dBm<br/>Peak 28.12 dBm<br/>Crest 3.66 dB</p> <p>10 % 2.68 dB<br/>1 % 3.36 dB<br/>.1 % 3.52 dB<br/>.01 % 3.64 dB</p> <p>Date: 10.JUN.2021 11:48:15</p>  |
| <p style="text-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)</p> <p>Trace 1</p> <p>Mean 29.85 dBm<br/>Peak 30.31 dBm<br/>Crest 0.46 dB</p> <p>10 % 0.28 dB<br/>1 % 0.36 dB<br/>.1 % 0.40 dB<br/>.01 % 0.44 dB</p> <p>Date: 10.JUN.2021 11:29:21</p>    | <p style="text-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)</p> <p>Trace 1</p> <p>Mean 24.81 dBm<br/>Peak 28.19 dBm<br/>Crest 3.38 dB</p> <p>10 % 2.72 dB<br/>1 % 3.24 dB<br/>.1 % 3.32 dB<br/>.01 % 3.40 dB</p> <p>Date: 10.JUN.2021 11:48:32</p>    |
| <p style="text-align: center;"><b>Highest Channel</b></p> <p>Center 1.9098 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 29.75 dBm<br/>Peak 30.17 dBm<br/>Crest 0.42 dB</p> <p>10 % 0.28 dB<br/>1 % 0.36 dB<br/>.1 % 0.44 dB<br/>.01 % 0.44 dB</p> <p>Date: 10.JUN.2021 11:29:38</p> | <p style="text-align: center;"><b>Highest Channel</b></p> <p>Center 1.9098 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 24.74 dBm<br/>Peak 28.12 dBm<br/>Crest 3.38 dB</p> <p>10 % 2.68 dB<br/>1 % 3.16 dB<br/>.1 % 3.28 dB<br/>.01 % 3.32 dB</p> <p>Date: 10.JUN.2021 11:48:51</p> |

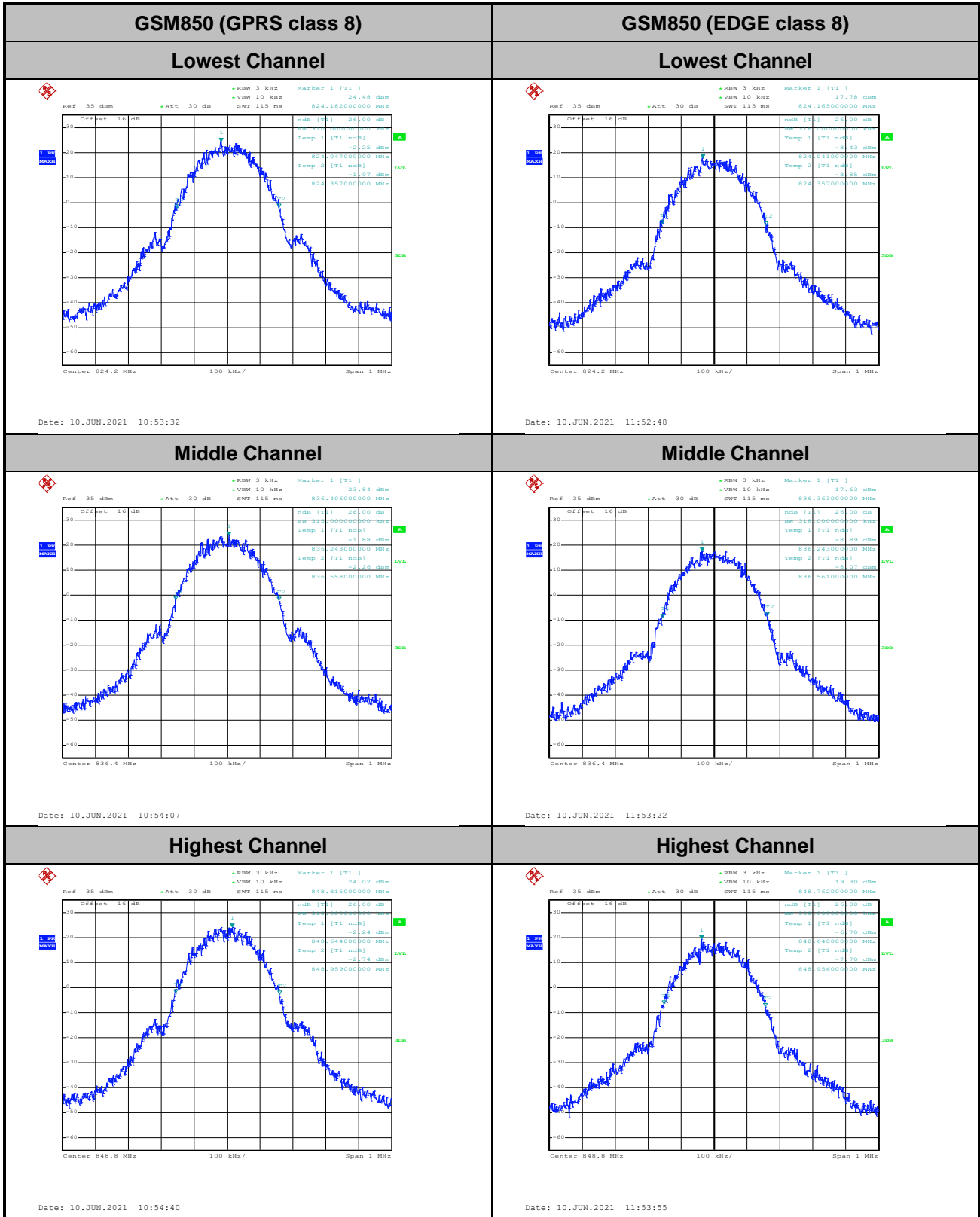


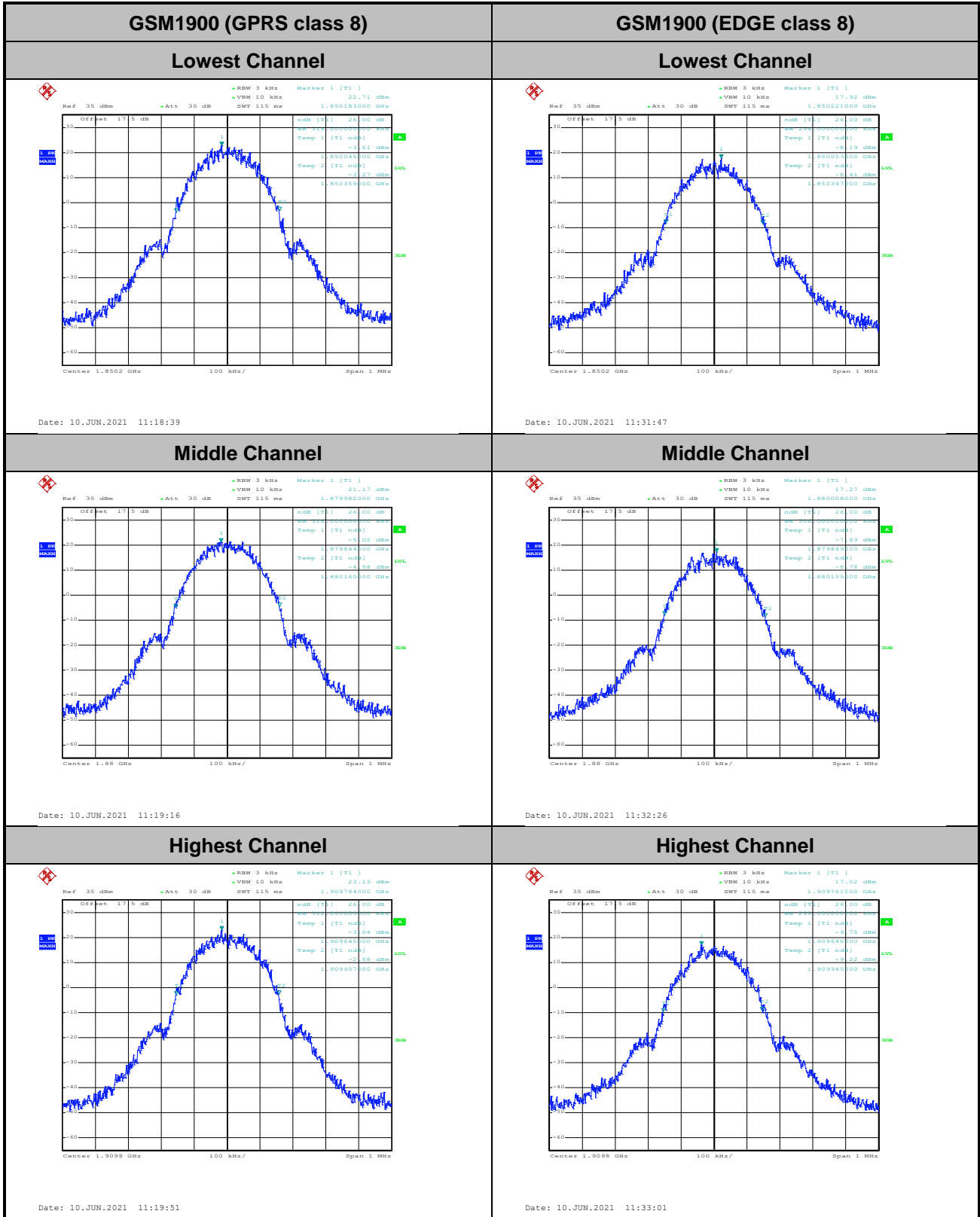


**26dB Bandwidth**

| Mode       | GSM850: 26dB BW(MHz) |              |
|------------|----------------------|--------------|
| Mod.       | GPRS class 8         | EDGE class 8 |
| Lowest CH  | 0.310                | 0.316        |
| Middle CH  | 0.315                | 0.318        |
| Highest CH | 0.315                | 0.308        |

| Mode       | GSM1900: 26dB BW(MHz) |              |
|------------|-----------------------|--------------|
| Mod.       | GPRS class 8          | EDGE class 8 |
| Lowest CH  | 0.314                 | 0.294        |
| Middle CH  | 0.316                 | 0.306        |
| Highest CH | 0.312                 | 0.299        |



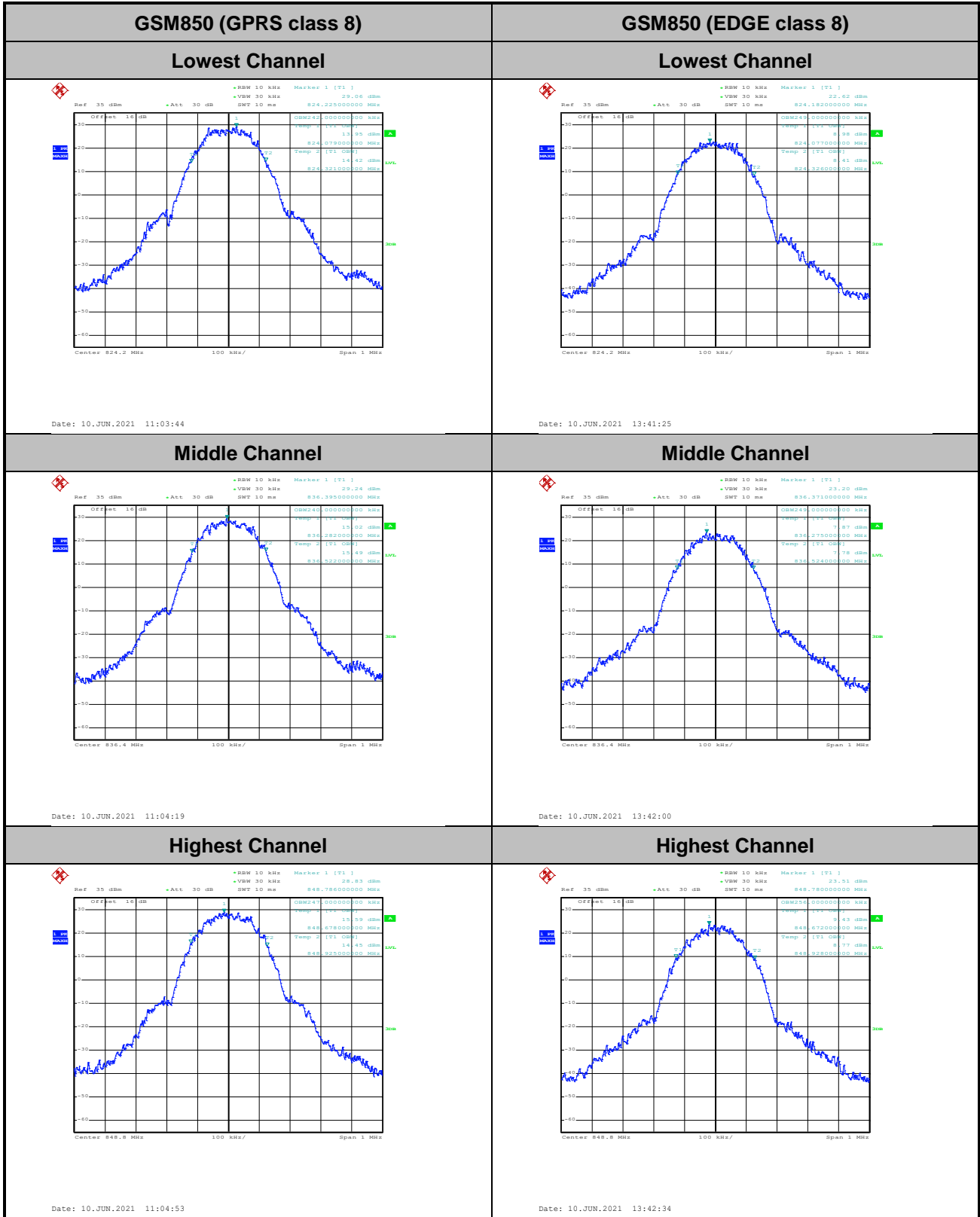


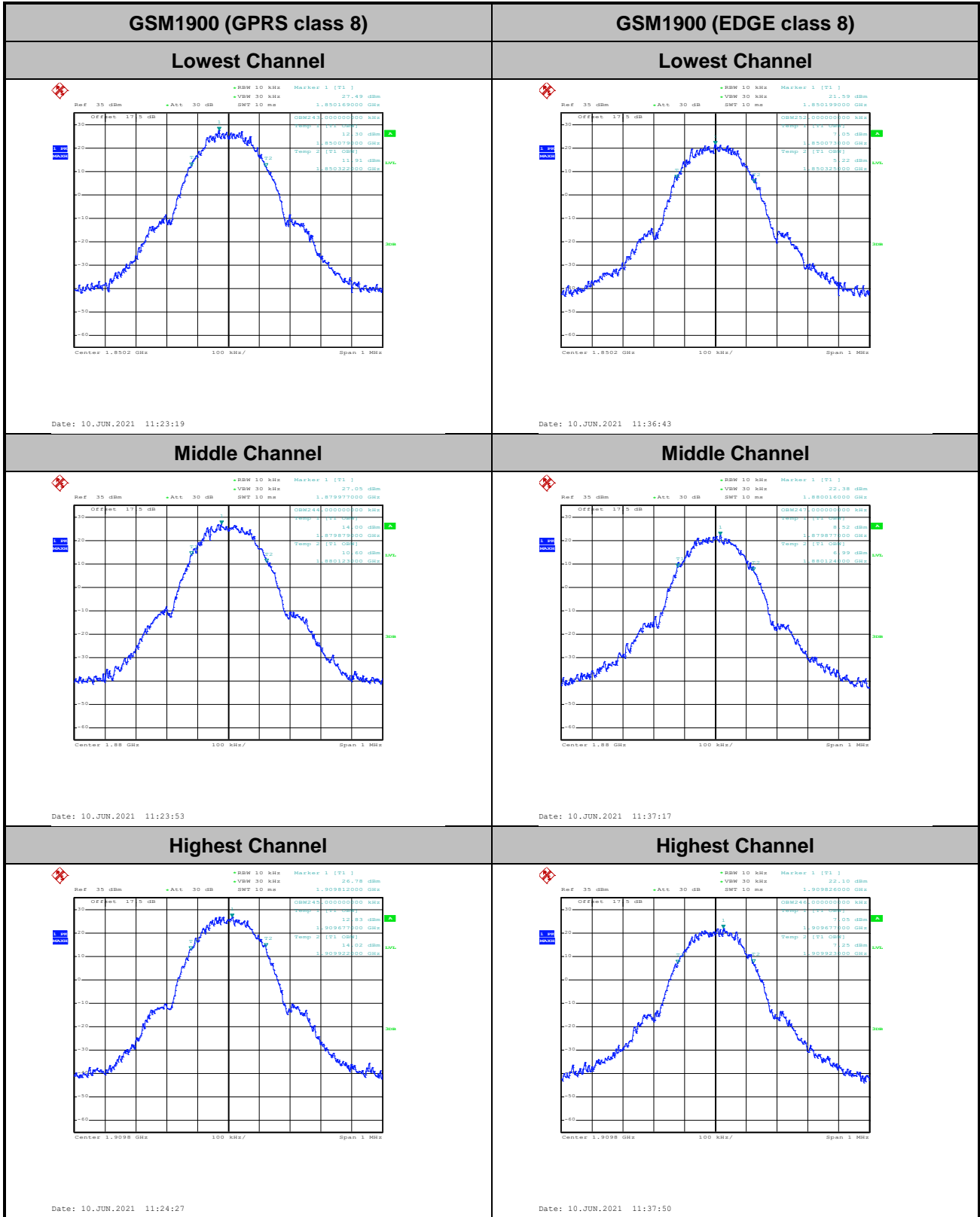


**Occupied Bandwidth**

| Mode       | GSM850: 99% OBW (MHz) |              |
|------------|-----------------------|--------------|
| Mod.       | GPRS class 8          | EDGE class 8 |
| Lowest CH  | 0.242                 | 0.249        |
| Middle CH  | 0.240                 | 0.249        |
| Highest CH | 0.247                 | 0.256        |

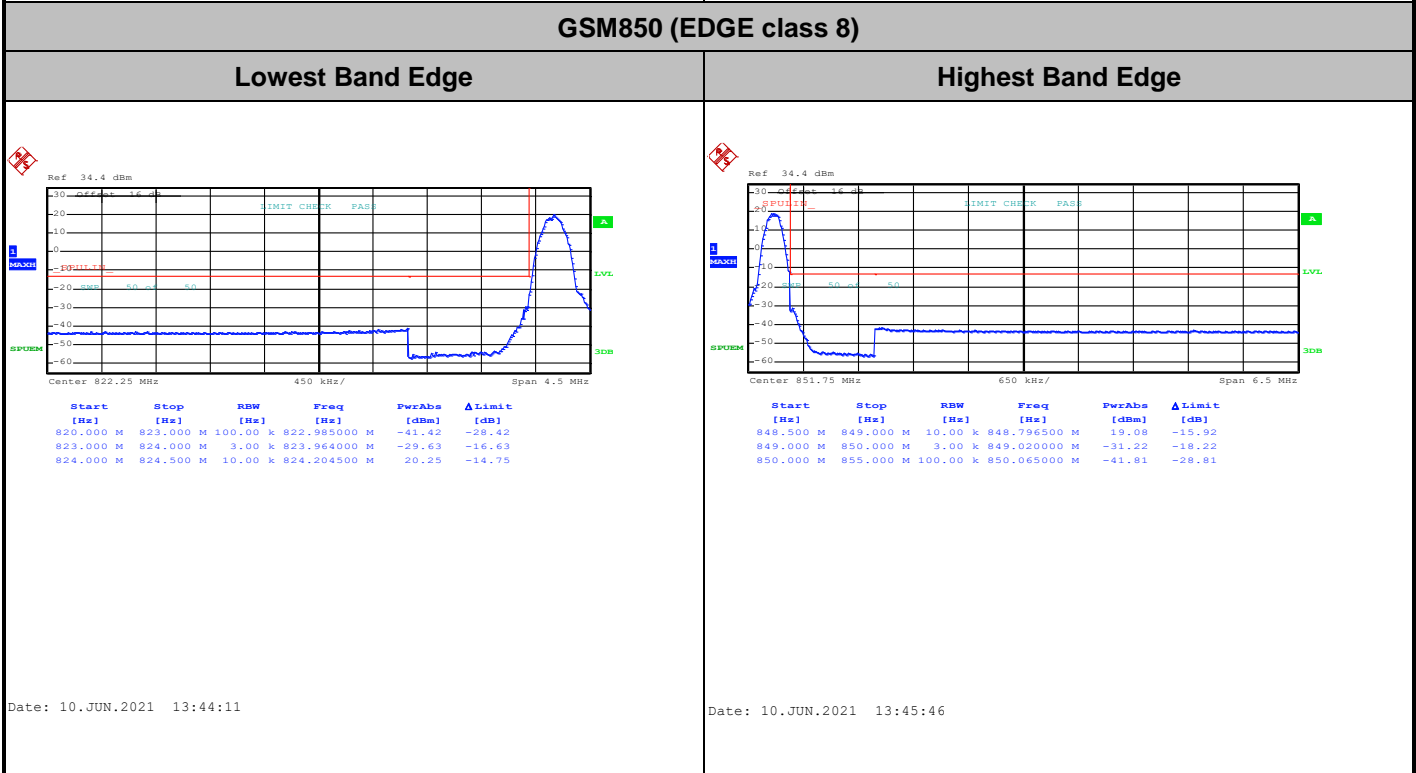
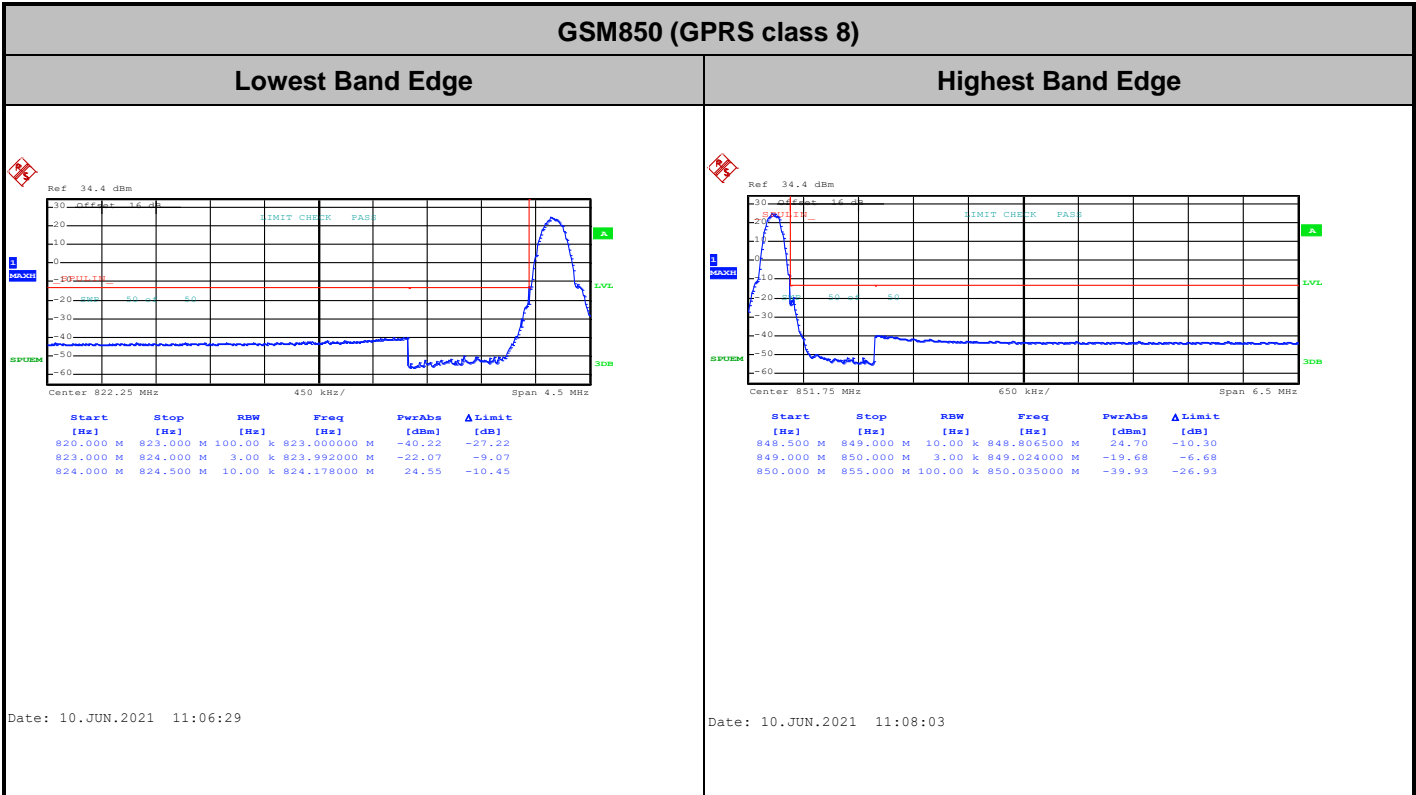
| Mode       | GSM1900: 99% OBW (MHz) |              |
|------------|------------------------|--------------|
| Mod.       | GPRS class 8           | EDGE class 8 |
| Lowest CH  | 0.243                  | 0.252        |
| Middle CH  | 0.244                  | 0.247        |
| Highest CH | 0.245                  | 0.246        |







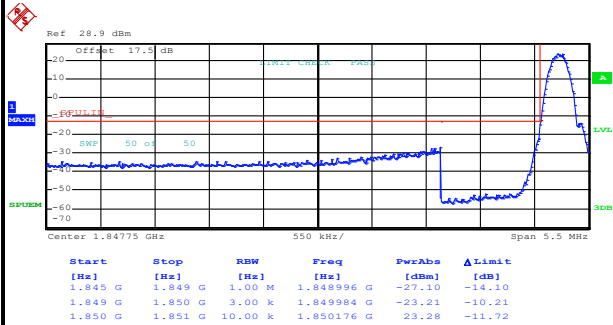
# Conducted Band Edge





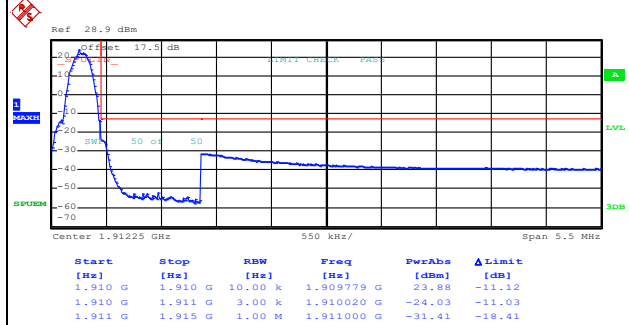
GSM1900 (GPRS class 8)

Lowest Band Edge



Date: 10.JUN.2021 11:26:04

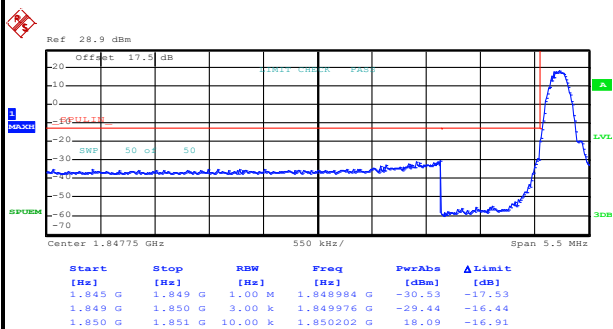
Highest Band Edge



Date: 10.JUN.2021 11:27:37

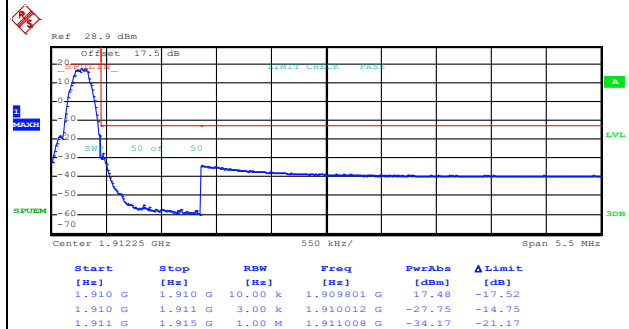
GSM1900 (EDGE class 8)

Lowest Band Edge



Date: 10.JUN.2021 11:39:36

Highest Band Edge

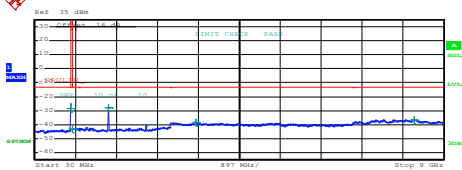
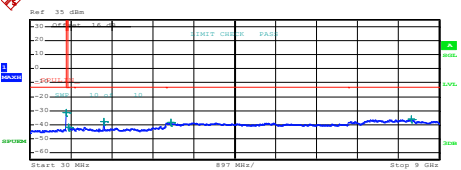
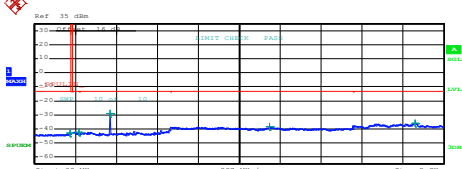
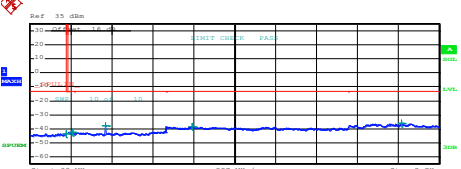
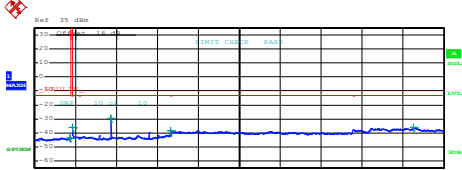
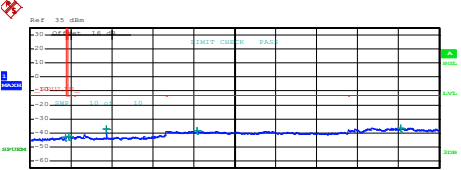


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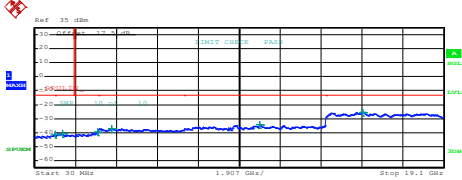
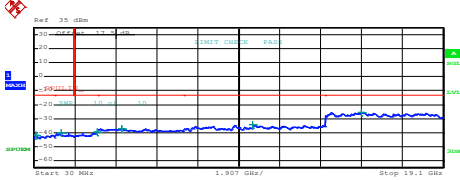
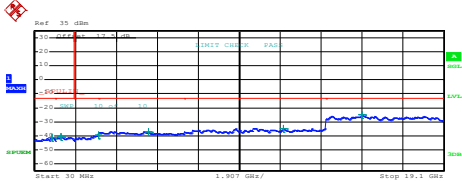
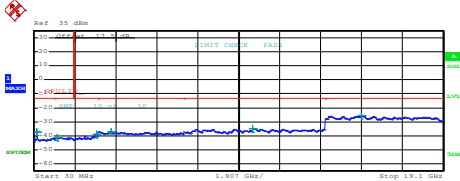
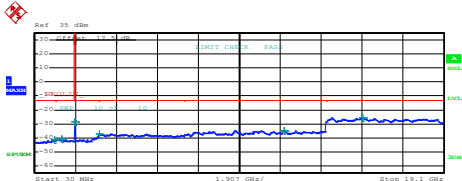
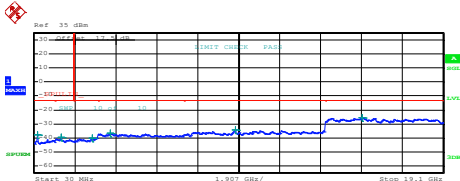




# Conducted Spurious Emission

| GSM850 (GPRS class 8)   | GSM850 (EDGE class 8) |           |              |             |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
|---|-----------------------|-----------|--------------|-------------|-------------|-------------|----------|-----------|---------|--------------|--------|--------|-----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---|------------|-----------|----------|-----------|-------------|-------------|----------|-----------|---------|--------------|--------|--------|-----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|
| Lowest Channel  | Lowest Channel        |           |              |             |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
|  <table border="1" data-bbox="239 660 654 739"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>816,800000 M</td> <td>-28.54</td> <td>-25.24</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>859,640000 M</td> <td>-42.92</td> <td>-29.92</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,648000 G</td> <td>-28.05</td> <td>-25.05</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,558000 G</td> <td>-38.56</td> <td>-25.56</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,347000 G</td> <td>-36.39</td> <td>-23.39</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 11:01:19</p>     | Start [Hz]            | Stop [Hz] | RBW [Hz]     | Freq [Hz]   | Power [dBm] | Limit [dBm] | 35,000 M | 820,000 M | 1,000 M | 816,800000 M | -28.54 | -25.24 | 855,000 M | 1,000 G | 1,000 M | 859,640000 M | -42.92 | -29.92 | 1,000 G | 3,000 G | 1,000 M | 1,648000 G | -28.05 | -25.05 | 3,000 G | 7,000 G | 1,000 M | 3,558000 G | -38.56 | -25.56 | 7,000 G | 9,000 G | 1,000 M | 8,347000 G | -36.39 | -23.39 |  <table border="1" data-bbox="893 660 1308 739"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>819,800000 M</td> <td>-31.55</td> <td>-28.25</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>868,992501 M</td> <td>-42.13</td> <td>-29.13</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,648000 G</td> <td>-27.86</td> <td>-24.86</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,123000 G</td> <td>-38.63</td> <td>-25.63</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,387500 G</td> <td>-36.23</td> <td>-23.23</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 11:54:58</p>     | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | Power [dBm] | Limit [dBm] | 35,000 M | 820,000 M | 1,000 M | 819,800000 M | -31.55 | -28.25 | 855,000 M | 1,000 G | 1,000 M | 868,992501 M | -42.13 | -29.13 | 1,000 G | 3,000 G | 1,000 M | 1,648000 G | -27.86 | -24.86 | 3,000 G | 7,000 G | 1,000 M | 3,123000 G | -38.63 | -25.63 | 7,000 G | 9,000 G | 1,000 M | 8,387500 G | -36.23 | -23.23 |
| Start [Hz]  | Stop [Hz]             | RBW [Hz]  | Freq [Hz]    | Power [dBm] | Limit [dBm] |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 35,000 M  | 820,000 M             | 1,000 M   | 816,800000 M | -28.54      | -25.24      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 855,000 M   | 1,000 G               | 1,000 M   | 859,640000 M | -42.92      | -29.92      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 1,000 G   | 3,000 G               | 1,000 M   | 1,648000 G   | -28.05      | -25.05      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 3,000 G   | 7,000 G               | 1,000 M   | 3,558000 G   | -38.56      | -25.56      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 7,000 G   | 9,000 G               | 1,000 M   | 8,347000 G   | -36.39      | -23.39      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| Start [Hz]  | Stop [Hz]             | RBW [Hz]  | Freq [Hz]    | Power [dBm] | Limit [dBm] |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 35,000 M  | 820,000 M             | 1,000 M   | 819,800000 M | -31.55      | -28.25      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 855,000 M   | 1,000 G               | 1,000 M   | 868,992501 M | -42.13      | -29.13      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 1,000 G   | 3,000 G               | 1,000 M   | 1,648000 G   | -27.86      | -24.86      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 3,000 G   | 7,000 G               | 1,000 M   | 3,123000 G   | -38.63      | -25.63      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 7,000 G   | 9,000 G               | 1,000 M   | 8,387500 G   | -36.23      | -23.23      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| Middle Channel  | Middle Channel        |           |              |             |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
|  <table border="1" data-bbox="239 1176 654 1254"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>793,140000 M</td> <td>-42.92</td> <td>-29.92</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>992,209200 M</td> <td>-42.45</td> <td>-29.45</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,673000 G</td> <td>-29.12</td> <td>-16.12</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,183000 G</td> <td>-38.61</td> <td>-25.61</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,378000 G</td> <td>-36.10</td> <td>-23.10</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 11:02:12</p>  | Start [Hz]            | Stop [Hz] | RBW [Hz]     | Freq [Hz]   | Power [dBm] | Limit [dBm] | 35,000 M | 820,000 M | 1,000 M | 793,140000 M | -42.92 | -29.92 | 855,000 M | 1,000 G | 1,000 M | 992,209200 M | -42.45 | -29.45 | 1,000 G | 3,000 G | 1,000 M | 1,673000 G | -29.12 | -16.12 | 3,000 G | 7,000 G | 1,000 M | 3,183000 G | -38.61 | -25.61 | 7,000 G | 9,000 G | 1,000 M | 8,378000 G | -36.10 | -23.10 |  <table border="1" data-bbox="893 1176 1308 1254"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>811,122500 M</td> <td>-45.53</td> <td>-30.53</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>806,733207 M</td> <td>-42.41</td> <td>-29.41</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,673000 G</td> <td>-38.01</td> <td>-25.01</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,581000 G</td> <td>-38.40</td> <td>-25.40</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,149000 G</td> <td>-36.24</td> <td>-23.24</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 11:55:49</p>  | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | Power [dBm] | Limit [dBm] | 35,000 M | 820,000 M | 1,000 M | 811,122500 M | -45.53 | -30.53 | 855,000 M | 1,000 G | 1,000 M | 806,733207 M | -42.41 | -29.41 | 1,000 G | 3,000 G | 1,000 M | 1,673000 G | -38.01 | -25.01 | 3,000 G | 7,000 G | 1,000 M | 3,581000 G | -38.40 | -25.40 | 7,000 G | 9,000 G | 1,000 M | 8,149000 G | -36.24 | -23.24 |
| Start [Hz]  | Stop [Hz]             | RBW [Hz]  | Freq [Hz]    | Power [dBm] | Limit [dBm] |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 35,000 M  | 820,000 M             | 1,000 M   | 793,140000 M | -42.92      | -29.92      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 855,000 M   | 1,000 G               | 1,000 M   | 992,209200 M | -42.45      | -29.45      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 1,000 G   | 3,000 G               | 1,000 M   | 1,673000 G   | -29.12      | -16.12      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 3,000 G   | 7,000 G               | 1,000 M   | 3,183000 G   | -38.61      | -25.61      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 7,000 G   | 9,000 G               | 1,000 M   | 8,378000 G   | -36.10      | -23.10      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| Start [Hz]  | Stop [Hz]             | RBW [Hz]  | Freq [Hz]    | Power [dBm] | Limit [dBm] |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 35,000 M  | 820,000 M             | 1,000 M   | 811,122500 M | -45.53      | -30.53      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 855,000 M   | 1,000 G               | 1,000 M   | 806,733207 M | -42.41      | -29.41      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 1,000 G   | 3,000 G               | 1,000 M   | 1,673000 G   | -38.01      | -25.01      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 3,000 G   | 7,000 G               | 1,000 M   | 3,581000 G   | -38.40      | -25.40      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 7,000 G   | 9,000 G               | 1,000 M   | 8,149000 G   | -36.24      | -23.24      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| Highest Channel   | Highest Channel       |           |              |             |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
|  <table border="1" data-bbox="239 1691 654 1769"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>808,347000 M</td> <td>-43.42</td> <td>-30.42</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>850,036200 M</td> <td>-35.91</td> <td>-22.91</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,697000 G</td> <td>-29.47</td> <td>-16.47</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,000000 G</td> <td>-38.22</td> <td>-25.22</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,332000 G</td> <td>-35.99</td> <td>-22.99</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 11:03:03</p> | Start [Hz]            | Stop [Hz] | RBW [Hz]     | Freq [Hz]   | Power [dBm] | Limit [dBm] | 35,000 M | 820,000 M | 1,000 M | 808,347000 M | -43.42 | -30.42 | 855,000 M | 1,000 G | 1,000 M | 850,036200 M | -35.91 | -22.91 | 1,000 G | 3,000 G | 1,000 M | 1,697000 G | -29.47 | -16.47 | 3,000 G | 7,000 G | 1,000 M | 3,000000 G | -38.22 | -25.22 | 7,000 G | 9,000 G | 1,000 M | 8,332000 G | -35.99 | -22.99 |  <table border="1" data-bbox="893 1691 1308 1769"> <thead> <tr> <th>Start [Hz]</th> <th>Stop [Hz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>Power [dBm]</th> <th>Limit [dBm]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>809,121500 M</td> <td>-45.17</td> <td>-30.17</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>880,628752 M</td> <td>-42.77</td> <td>-29.77</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,698000 G</td> <td>-37.39</td> <td>-24.39</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,698000 G</td> <td>-38.60</td> <td>-25.60</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,158500 G</td> <td>-36.44</td> <td>-23.44</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 11:56:40</p> | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | Power [dBm] | Limit [dBm] | 35,000 M | 820,000 M | 1,000 M | 809,121500 M | -45.17 | -30.17 | 855,000 M | 1,000 G | 1,000 M | 880,628752 M | -42.77 | -29.77 | 1,000 G | 3,000 G | 1,000 M | 1,698000 G | -37.39 | -24.39 | 3,000 G | 7,000 G | 1,000 M | 3,698000 G | -38.60 | -25.60 | 7,000 G | 9,000 G | 1,000 M | 8,158500 G | -36.44 | -23.44 |
| Start [Hz]  | Stop [Hz]             | RBW [Hz]  | Freq [Hz]    | Power [dBm] | Limit [dBm] |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 35,000 M  | 820,000 M             | 1,000 M   | 808,347000 M | -43.42      | -30.42      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 855,000 M   | 1,000 G               | 1,000 M   | 850,036200 M | -35.91      | -22.91      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 1,000 G   | 3,000 G               | 1,000 M   | 1,697000 G   | -29.47      | -16.47      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 3,000 G   | 7,000 G               | 1,000 M   | 3,000000 G   | -38.22      | -25.22      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 7,000 G   | 9,000 G               | 1,000 M   | 8,332000 G   | -35.99      | -22.99      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| Start [Hz]  | Stop [Hz]             | RBW [Hz]  | Freq [Hz]    | Power [dBm] | Limit [dBm] |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 35,000 M  | 820,000 M             | 1,000 M   | 809,121500 M | -45.17      | -30.17      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 855,000 M   | 1,000 G               | 1,000 M   | 880,628752 M | -42.77      | -29.77      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 1,000 G   | 3,000 G               | 1,000 M   | 1,698000 G   | -37.39      | -24.39      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 3,000 G   | 7,000 G               | 1,000 M   | 3,698000 G   | -38.60      | -25.60      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |
| 7,000 G   | 9,000 G               | 1,000 M   | 8,158500 G   | -36.44      | -23.44      |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |   |            |           |          |           |             |             |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |



| GSM1900 (GPRS class 8)  | 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>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>992,720000 M</td><td>-43.33</td><td>-28.33</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,330819 G</td><td>-40.49</td><td>-27.49</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,393032 G</td><td>-39.82</td><td>-26.82</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>3,620000 G</td><td>-37.16</td><td>-24.16</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,530375 G</td><td>-34.49</td><td>-21.49</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,335250 G</td><td>-25.33</td><td>-12.33</td></tr> </tbody> </table> <p>Date: 10.JUN.2021 11:20:53</p>     | Start [Hz]             | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 992,720000 M | -43.33 | -28.33 | 1,000 G | 1,845 G | 1,000 M | 1,330819 G | -40.49 | -27.49 | 1,845 G | 3,000 G | 1,000 M | 2,393032 G | -39.82 | -26.82 | 3,000 G | 7,000 G | 1,000 M | 3,620000 G | -37.16 | -24.16 | 7,000 G | 13,600 G | 1,000 M | 10,530375 G | -34.49 | -21.49 | 13,600 G | 19,100 G | 1,000 M | 15,335250 G | -25.33 | -12.33 |  <table border="1" data-bbox="888 571 1287 672"> <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>111,722500 M</td><td>-41.60</td><td>-28.60</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,275893 G</td><td>-40.35</td><td>-27.35</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,398806 G</td><td>-39.84</td><td>-26.84</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>4,092000 G</td><td>-37.26</td><td>-24.26</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,224925 G</td><td>-34.47</td><td>-21.47</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,276125 G</td><td>-25.33</td><td>-12.33</td></tr> </tbody> </table> <p>Date: 10.JUN.2021 11:34:08</p>    | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 111,722500 M | -41.60 | -28.60 | 1,000 G | 1,845 G | 1,000 M | 1,275893 G | -40.35 | -27.35 | 1,845 G | 3,000 G | 1,000 M | 2,398806 G | -39.84 | -26.84 | 3,000 G | 7,000 G | 1,000 M | 4,092000 G | -37.26 | -24.26 | 7,000 G | 13,600 G | 1,000 M | 10,224925 G | -34.47 | -21.47 | 13,600 G | 19,100 G | 1,000 M | 15,276125 G | -25.33 | -12.33 |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 992,720000 M | -43.33       | -28.33       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,330819 G   | -40.49       | -27.49       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,393032 G   | -39.82       | -26.82       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 3,620000 G   | -37.16       | -24.16       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,530375 G  | -34.49       | -21.49       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,335250 G  | -25.33       | -12.33       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 111,722500 M | -41.60       | -28.60       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,275893 G   | -40.35       | -27.35       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,398806 G   | -39.84       | -26.84       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 4,092000 G   | -37.26       | -24.26       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,224925 G  | -34.47       | -21.47       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,276125 G  | -25.33       | -12.33       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Middle Channel  | Middle Channel         |           |              |              |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1088 638 1189"> <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>832,190000 M</td><td>-41.13</td><td>-28.13</td></tr> <tr><td>1,000 G</td><td>3,845 G</td><td>1,000 M</td><td>1,260139 G</td><td>-40.61</td><td>-27.61</td></tr> <tr><td>1,915 G</td><td>3,000 G</td><td>1,000 M</td><td>2,991049 G</td><td>-39.68</td><td>-26.68</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>5,339000 G</td><td>-37.22</td><td>-24.22</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>11,620825 G</td><td>-34.78</td><td>-21.78</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,288500 G</td><td>-25.20</td><td>-12.20</td></tr> </tbody> </table> <p>Date: 10.JUN.2021 11:21:47</p>  | Start [Hz]             | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 832,190000 M | -41.13 | -28.13 | 1,000 G | 3,845 G | 1,000 M | 1,260139 G | -40.61 | -27.61 | 1,915 G | 3,000 G | 1,000 M | 2,991049 G | -39.68 | -26.68 | 3,000 G | 7,000 G | 1,000 M | 5,339000 G | -37.22 | -24.22 | 7,000 G | 13,600 G | 1,000 M | 11,620825 G | -34.78 | -21.78 | 13,600 G | 19,100 G | 1,000 M | 15,288500 G | -25.20 | -12.20 |  <table border="1" data-bbox="888 1088 1287 1189"> <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>141,792500 M</td><td>-37.00</td><td>-24.00</td></tr> <tr><td>1,000 G</td><td>3,845 G</td><td>1,000 M</td><td>1,038643 G</td><td>-43.24</td><td>-30.24</td></tr> <tr><td>1,915 G</td><td>3,000 G</td><td>1,000 M</td><td>2,915641 G</td><td>-39.18</td><td>-26.18</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>3,620000 G</td><td>-37.06</td><td>-24.06</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>10,229875 G</td><td>-34.68</td><td>-21.68</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,277500 G</td><td>-25.81</td><td>-12.81</td></tr> </tbody> </table> <p>Date: 10.JUN.2021 11:35:06</p> | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 141,792500 M | -37.00 | -24.00 | 1,000 G | 3,845 G | 1,000 M | 1,038643 G | -43.24 | -30.24 | 1,915 G | 3,000 G | 1,000 M | 2,915641 G | -39.18 | -26.18 | 3,000 G | 7,000 G | 1,000 M | 3,620000 G | -37.06 | -24.06 | 7,000 G | 13,600 G | 1,000 M | 10,229875 G | -34.68 | -21.68 | 13,600 G | 19,100 G | 1,000 M | 15,277500 G | -25.81 | -12.81 |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 832,190000 M | -41.13       | -28.13       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,845 G                | 1,000 M   | 1,260139 G   | -40.61       | -27.61       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,915 G   | 3,000 G                | 1,000 M   | 2,991049 G   | -39.68       | -26.68       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 5,339000 G   | -37.22       | -24.22       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 11,620825 G  | -34.78       | -21.78       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,288500 G  | -25.20       | -12.20       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 141,792500 M | -37.00       | -24.00       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 3,845 G                | 1,000 M   | 1,038643 G   | -43.24       | -30.24       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,915 G   | 3,000 G                | 1,000 M   | 2,915641 G   | -39.18       | -26.18       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 3,620000 G   | -37.06       | -24.06       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 10,229875 G  | -34.68       | -21.68       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,277500 G  | -25.81       | -12.81       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Highest Channel   | Highest Channel        |           |              |              |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1606 638 1706"> <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>928,220000 M</td><td>-42.43</td><td>-29.43</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,304623 G</td><td>-40.97</td><td>-27.97</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>1,932071 G</td><td>-38.40</td><td>-25.40</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>3,030000 G</td><td>-37.10</td><td>-24.10</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>11,653825 G</td><td>-34.78</td><td>-21.78</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,335250 G</td><td>-25.49</td><td>-12.49</td></tr> </tbody> </table> <p>Date: 10.JUN.2021 11:22:38</p> | Start [Hz]             | Stop [Hz] | RBW [Hz]     | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 928,220000 M | -42.43 | -29.43 | 1,000 G | 1,845 G | 1,000 M | 1,304623 G | -40.97 | -27.97 | 1,845 G | 3,000 G | 1,000 M | 1,932071 G | -38.40 | -25.40 | 3,000 G | 7,000 G | 1,000 M | 3,030000 G | -37.10 | -24.10 | 7,000 G | 13,600 G | 1,000 M | 11,653825 G | -34.78 | -21.78 | 13,600 G | 19,100 G | 1,000 M | 15,335250 G | -25.49 | -12.49 |  <table border="1" data-bbox="888 1606 1287 1706"> <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>171,337500 M</td><td>-37.00</td><td>-24.00</td></tr> <tr><td>1,000 G</td><td>1,845 G</td><td>1,000 M</td><td>1,305679 G</td><td>-39.51</td><td>-26.51</td></tr> <tr><td>1,845 G</td><td>3,000 G</td><td>1,000 M</td><td>2,747737 G</td><td>-40.05</td><td>-27.05</td></tr> <tr><td>3,000 G</td><td>7,000 G</td><td>1,000 M</td><td>3,588000 G</td><td>-36.71</td><td>-23.71</td></tr> <tr><td>7,000 G</td><td>13,600 G</td><td>1,000 M</td><td>9,412300 G</td><td>-34.22</td><td>-21.22</td></tr> <tr><td>13,600 G</td><td>19,100 G</td><td>1,000 M</td><td>15,332500 G</td><td>-25.42</td><td>-12.42</td></tr> </tbody> </table> <p>Date: 10.JUN.2021 11:36:04</p> | Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAve [dBm] | ΔLimit [dB] | 30,000 M | 1,000 G | 1,000 M | 171,337500 M | -37.00 | -24.00 | 1,000 G | 1,845 G | 1,000 M | 1,305679 G | -39.51 | -26.51 | 1,845 G | 3,000 G | 1,000 M | 2,747737 G | -40.05 | -27.05 | 3,000 G | 7,000 G | 1,000 M | 3,588000 G | -36.71 | -23.71 | 7,000 G | 13,600 G | 1,000 M | 9,412300 G  | -34.22 | -21.22 | 13,600 G | 19,100 G | 1,000 M | 15,332500 G | -25.42 | -12.42 |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 928,220000 M | -42.43       | -29.43       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,304623 G   | -40.97       | -27.97       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 1,932071 G   | -38.40       | -25.40       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 3,030000 G   | -37.10       | -24.10       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 11,653825 G  | -34.78       | -21.78       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,335250 G  | -25.49       | -12.49       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start [Hz]  | Stop [Hz]              | RBW [Hz]  | Freq [Hz]    | PwrAve [dBm] | ΔLimit [dB]  |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M  | 1,000 G                | 1,000 M   | 171,337500 M | -37.00       | -24.00       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G   | 1,845 G                | 1,000 M   | 1,305679 G   | -39.51       | -26.51       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,845 G   | 3,000 G                | 1,000 M   | 2,747737 G   | -40.05       | -27.05       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G   | 7,000 G                | 1,000 M   | 3,588000 G   | -36.71       | -23.71       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G   | 13,600 G               | 1,000 M   | 9,412300 G   | -34.22       | -21.22       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G  | 19,100 G               | 1,000 M   | 15,332500 G  | -25.42       | -12.42       |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |  |            |           |          |           |              |             |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |



**Frequency Stability**

| Test Conditions  | Middle Channel    | GSM850<br>(GPRS class 8) | GSM850<br>(EDGE class 8) | Limit<br>2.5ppm |
|------------------|-------------------|--------------------------|--------------------------|-----------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)          |                          | Result          |
| 50               | Normal Voltage    | 0.0048                   | 0.0024                   | PASS            |
| 40               | Normal Voltage    | 0.0048                   | 0.0012                   |                 |
| 30               | Normal Voltage    | 0.0024                   | 0.0000                   |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                   | 0.0000                   |                 |
| 10               | Normal Voltage    | 0.0012                   | 0.0012                   |                 |
| 0                | Normal Voltage    | 0.0191                   | 0.0036                   |                 |
| -10              | Normal Voltage    | 0.0215                   | 0.0060                   |                 |
| -20              | Normal Voltage    | 0.0239                   | 0.0096                   |                 |
| -30              | Normal Voltage    | 0.0239                   | 0.0096                   |                 |
| 20               | Maximum Voltage   | 0.0048                   | 0.0048                   |                 |
| 20               | Normal Voltage    | 0.0000                   | 0.0000                   |                 |
| 20               | Battery End Point | 0.0024                   | 0.0024                   |                 |



| Test Conditions  | Middle Channel    | GSM1900<br>(GPRS class 8) | GSM1900<br>(EDGE class 8) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------|---------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)           |                           | Result           |
| 50               | Normal Voltage    | 0.0011                    | 0.0032                    | PASS             |
| 40               | Normal Voltage    | 0.0005                    | 0.0027                    |                  |
| 30               | Normal Voltage    | 0.0005                    | 0.0011                    |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                    | 0.0000                    |                  |
| 10               | Normal Voltage    | 0.0005                    | 0.0000                    |                  |
| 0                | Normal Voltage    | 0.0027                    | 0.0027                    |                  |
| -10              | Normal Voltage    | 0.0027                    | 0.0032                    |                  |
| -20              | Normal Voltage    | 0.0011                    | 0.0074                    |                  |
| -30              | Normal Voltage    | 0.0011                    | 0.0096                    |                  |
| 20               | Maximum Voltage   | 0.0016                    | 0.0011                    |                  |
| 20               | Normal Voltage    | 0.0000                    | 0.0000                    |                  |
| 20               | Battery End Point | 0.0021                    | 0.0021                    |                  |

**Note:**

1. Normal Voltage = 3.86V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block..

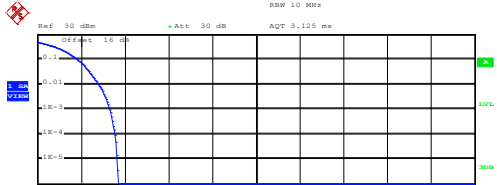
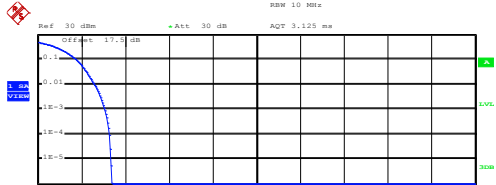
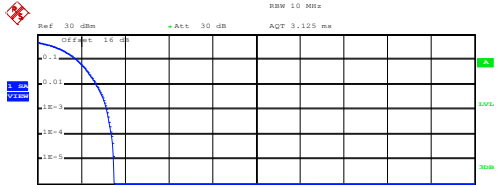
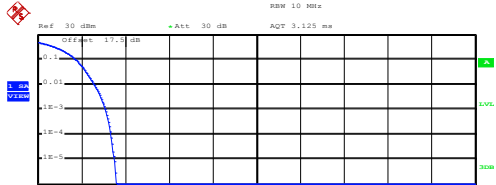
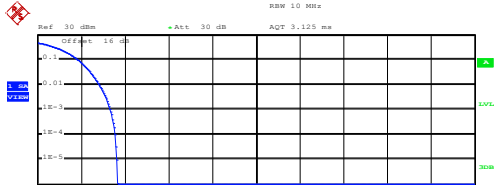
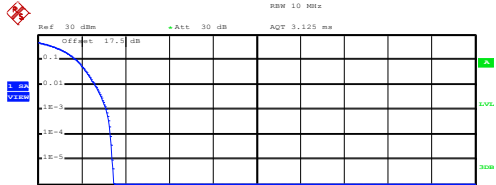


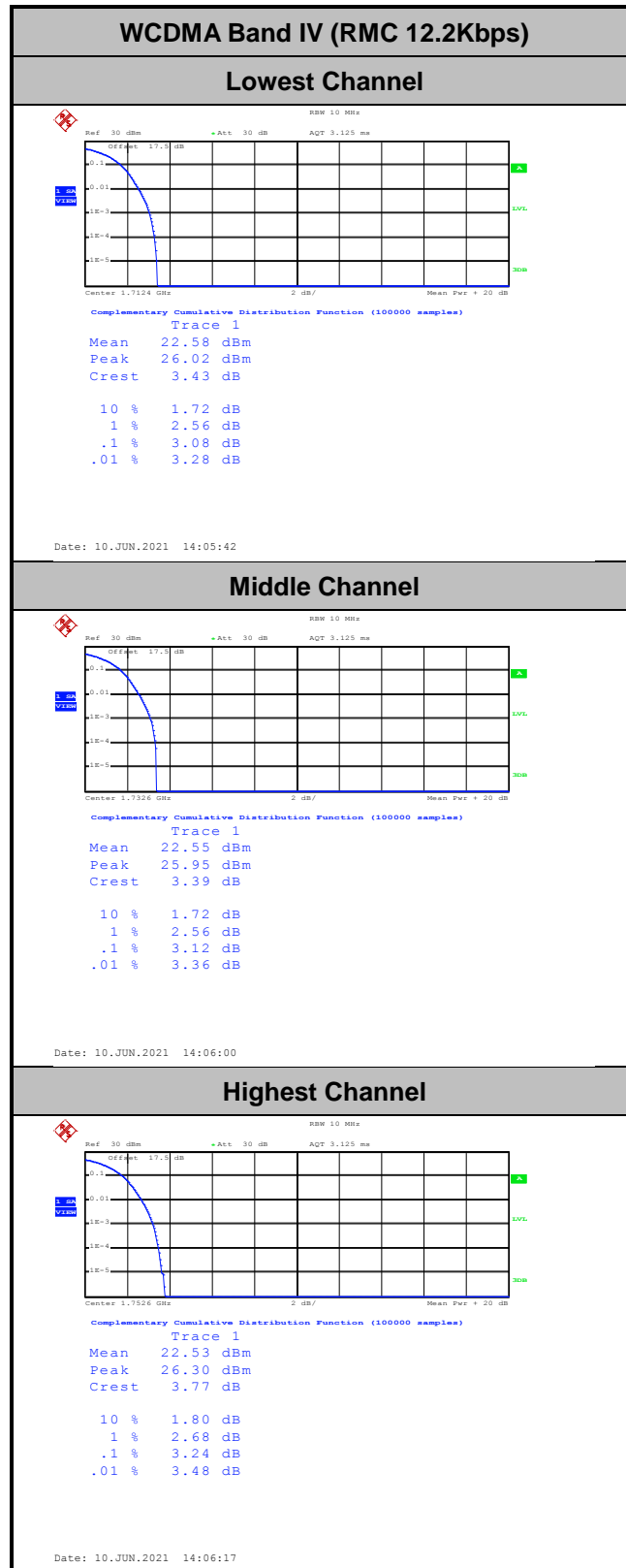
### A3. WCDMA

#### 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  | 3.32         | 3.08          | 3.08          | <b>PASS</b> |
| Middle CH  | 3.16         | 3.08          | 3.12          |             |
| Highest CH | 3.32         | 3.12          | 3.24          |             |



| WCDMA Band V (RMC 12.2Kbps)   | WCDMA Band II (RMC 12.2Kbps)  |
|---|---|
| <p style="text-align: center;"><b>Lowest Channel</b></p>  <p>Center 826.4 MHz      RBW 10 MHz      AQT 3.125 ms</p> <p>Ref 30 dBm      +Att 30 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 22.19 dBm<br/>Peak 25.88 dBm<br/>Crest 3.69 dB</p> <p>10 % 1.84 dB<br/>1 % 2.80 dB<br/>.1 % 3.32 dB<br/>.01 % 3.56 dB</p> <p>Date: 10.JUN.2021 16:01:04</p>    | <p style="text-align: center;"><b>Lowest Channel</b></p>  <p>Center 1.8524 GHz      RBW 10 MHz      AQT 3.125 ms</p> <p>Ref 30 dBm      +Att 30 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.40 dBm<br/>Peak 26.79 dBm<br/>Crest 3.39 dB</p> <p>10 % 1.76 dB<br/>1 % 2.60 dB<br/>.1 % 3.08 dB<br/>.01 % 3.28 dB</p> <p>Date: 10.JUN.2021 15:44:13</p>    |
| <p style="text-align: center;"><b>Middle Channel</b></p>  <p>Center 836.6 MHz      RBW 10 MHz      AQT 3.125 ms</p> <p>Ref 30 dBm      +Att 30 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 22.03 dBm<br/>Peak 25.52 dBm<br/>Crest 3.49 dB</p> <p>10 % 1.80 dB<br/>1 % 2.68 dB<br/>.1 % 3.16 dB<br/>.01 % 3.40 dB</p> <p>Date: 10.JUN.2021 16:01:19</p>   | <p style="text-align: center;"><b>Middle Channel</b></p>  <p>Center 1.88 GHz      RBW 10 MHz      AQT 3.125 ms</p> <p>Ref 30 dBm      +Att 30 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.57 dBm<br/>Peak 27.15 dBm<br/>Crest 3.57 dB</p> <p>10 % 1.76 dB<br/>1 % 2.60 dB<br/>.1 % 3.08 dB<br/>.01 % 3.36 dB</p> <p>Date: 10.JUN.2021 15:44:29</p>     |
| <p style="text-align: center;"><b>Highest Channel</b></p>  <p>Center 846.8 MHz      RBW 10 MHz      AQT 3.125 ms</p> <p>Ref 30 dBm      +Att 30 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 22.01 dBm<br/>Peak 25.66 dBm<br/>Crest 3.65 dB</p> <p>10 % 1.88 dB<br/>1 % 2.84 dB<br/>.1 % 3.32 dB<br/>.01 % 3.56 dB</p> <p>Date: 10.JUN.2021 16:01:35</p> | <p style="text-align: center;"><b>Highest Channel</b></p>  <p>Center 1.9076 GHz      RBW 10 MHz      AQT 3.125 ms</p> <p>Ref 30 dBm      +Att 30 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.40 dBm<br/>Peak 26.86 dBm<br/>Crest 3.46 dB</p> <p>10 % 1.76 dB<br/>1 % 2.60 dB<br/>.1 % 3.12 dB<br/>.01 % 3.32 dB</p> <p>Date: 10.JUN.2021 15:44:46</p> |





**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  | 4.71                          | 4.73                           | 4.76                           |
| Middle CH  | 4.76                          | 4.74                           | 4.74                           |
| Highest CH | 4.71                          | 4.74                           | 4.73                           |



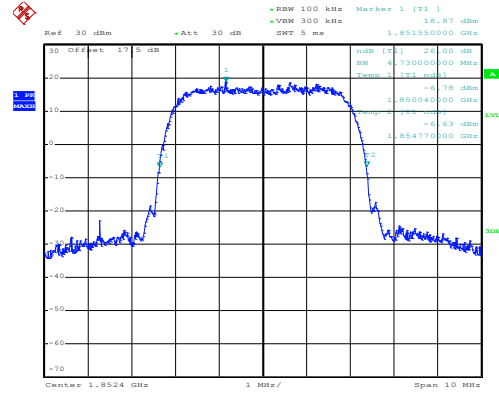
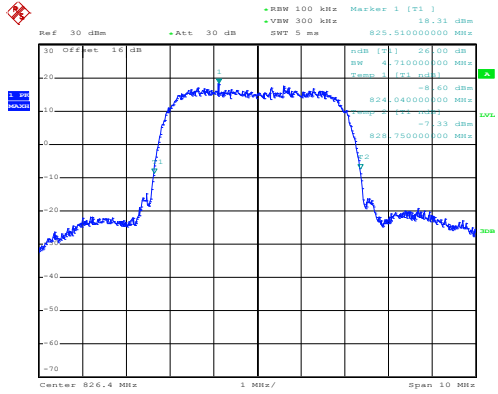


WCDMA Band V (RMC 12.2Kbps)

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

Lowest Channel

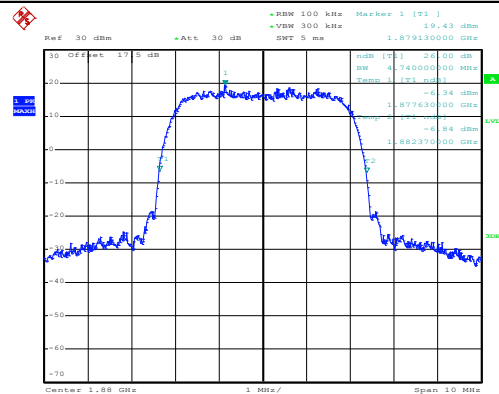
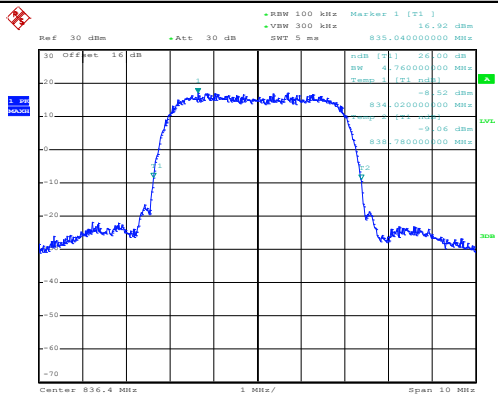


Date: 10.JUN.2021 15:47:33

Date: 10.JUN.2021 15:31:51

Middle Channel

Middle Channel

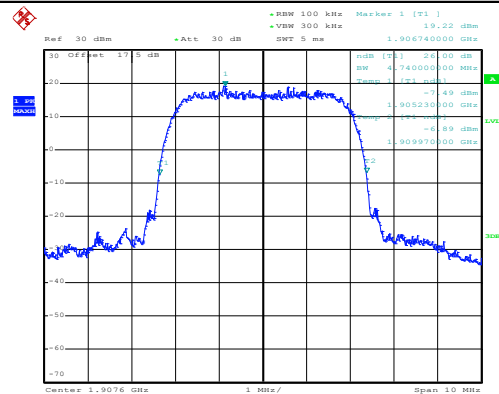
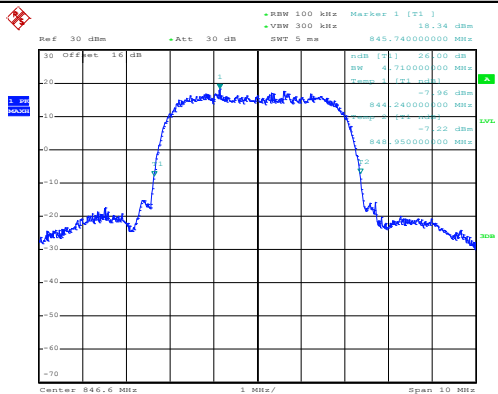


Date: 10.JUN.2021 15:48:09

Date: 10.JUN.2021 15:32:29

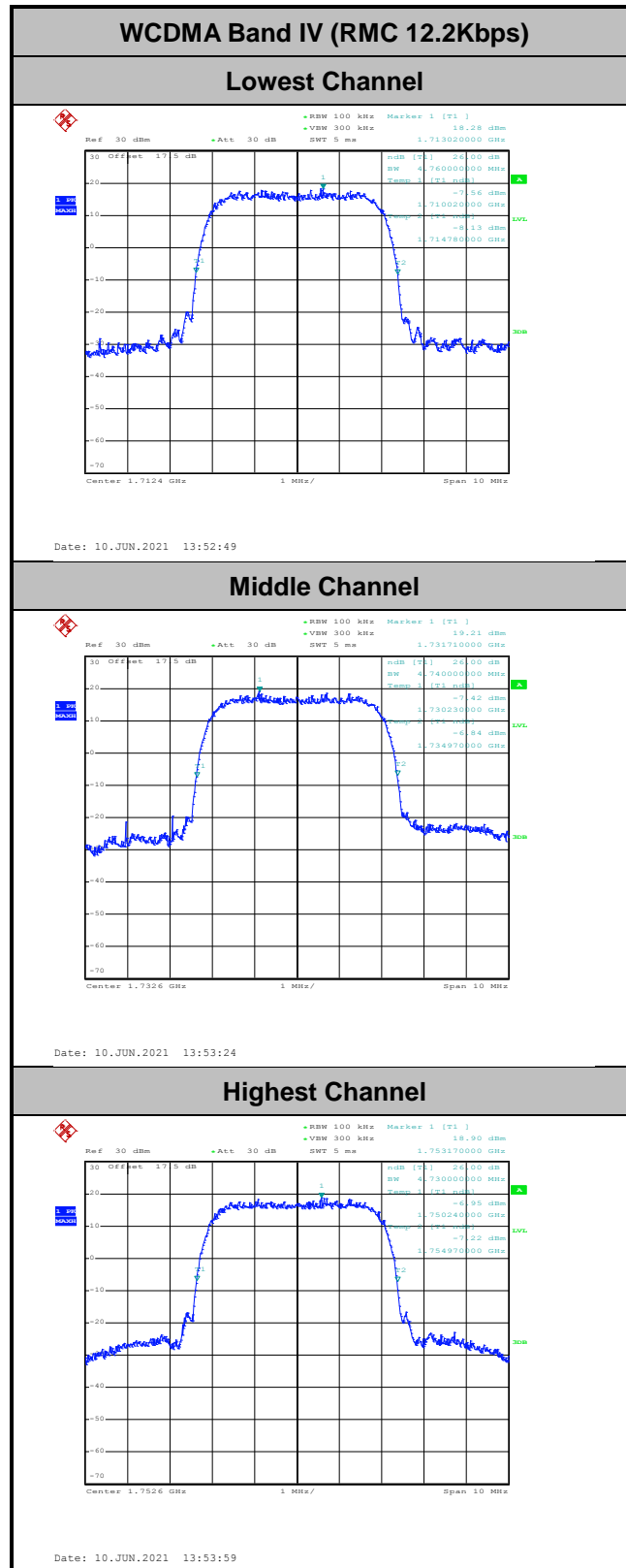
Highest Channel

Highest Channel



Date: 10.JUN.2021 15:48:54

Date: 10.JUN.2021 15:33:07

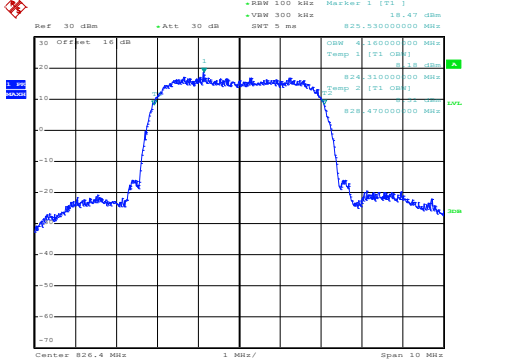
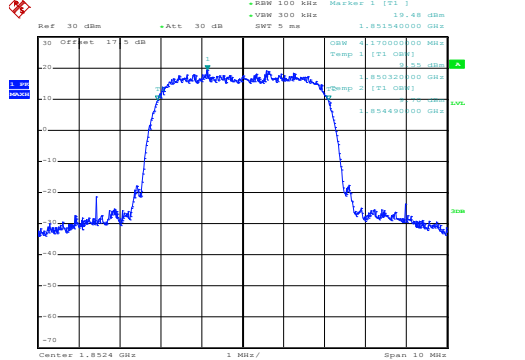
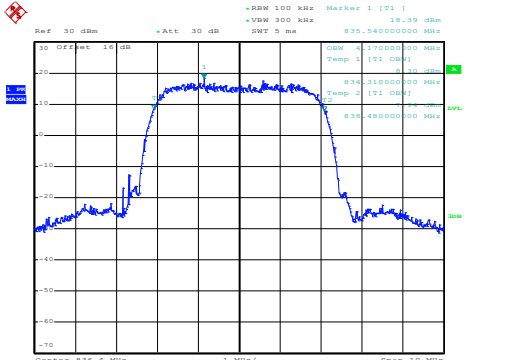
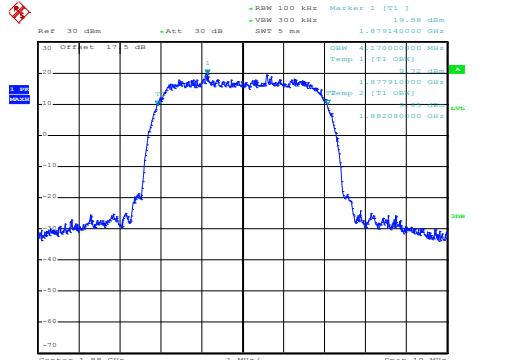
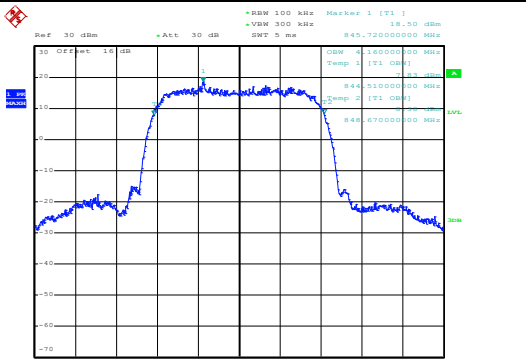
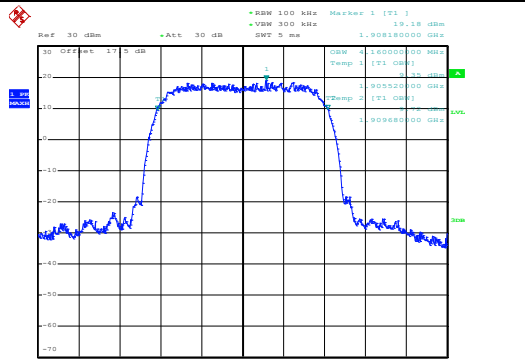




**Occupied Bandwidth**

| 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  | 4.16                          | 4.17                           | 4.17                           |
| Middle CH  | 4.17                          | 4.17                           | 4.17                           |
| Highest CH | 4.16                          | 4.16                           | 4.17                           |

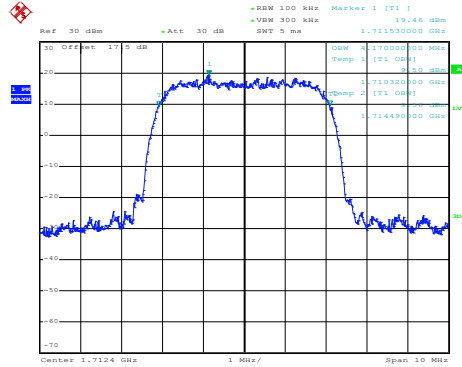


| WCDMA Band V (RMC 12.2Kbps)   | WCDMA Band II (RMC 12.2Kbps)   |
|---|--|
| <p style="text-align: center;"><b>Lowest Channel</b></p>  <p style="text-align: center;">Date: 10.JUN.2021 15:53:09</p>    | <p style="text-align: center;"><b>Lowest Channel</b></p>  <p style="text-align: center;">Date: 10.JUN.2021 15:36:45</p>    |
| <p style="text-align: center;"><b>Middle Channel</b></p>  <p style="text-align: center;">Date: 10.JUN.2021 15:53:45</p>   | <p style="text-align: center;"><b>Middle Channel</b></p>  <p style="text-align: center;">Date: 10.JUN.2021 15:37:21</p>   |
| <p style="text-align: center;"><b>Highest Channel</b></p>  <p style="text-align: center;">Date: 10.JUN.2021 15:54:21</p> | <p style="text-align: center;"><b>Highest Channel</b></p>  <p style="text-align: center;">Date: 10.JUN.2021 15:37:58</p> |



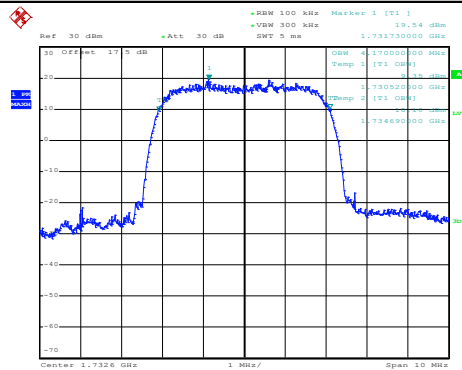
### WCDMA Band IV (RMC 12.2Kbps)

#### Lowest Channel



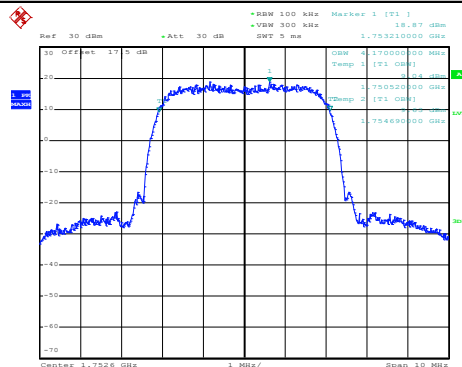
Date: 10.JUN.2021 13:57:53

#### Middle Channel



Date: 10.JUN.2021 13:58:29

#### Highest Channel



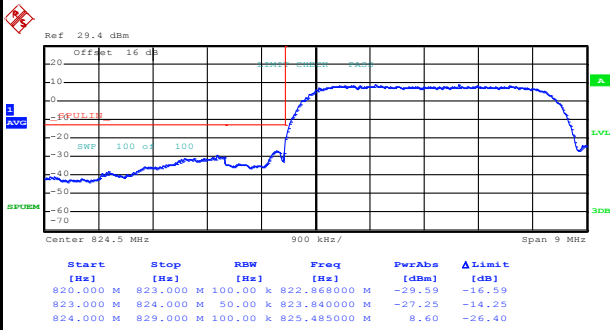
Date: 10.JUN.2021 13:59:06



# Conducted Band Edge

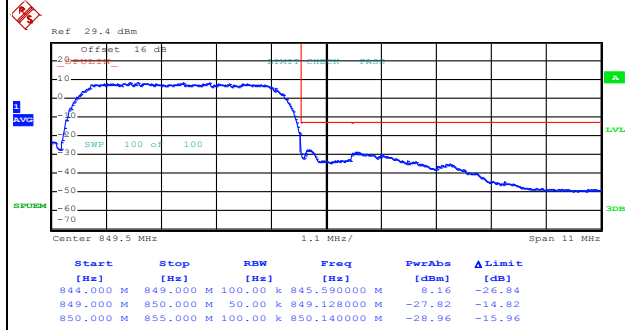
## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge



Date: 10.JUN.2021 15:57:18

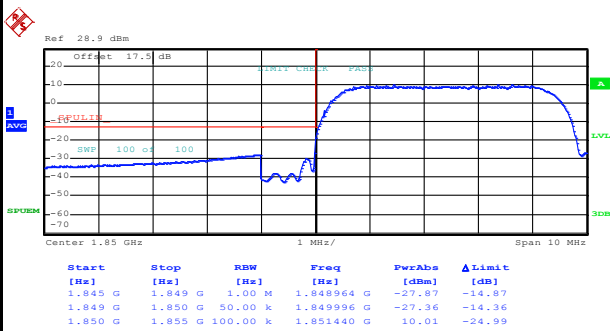
### Highest Band Edge



Date: 10.JUN.2021 16:00:15

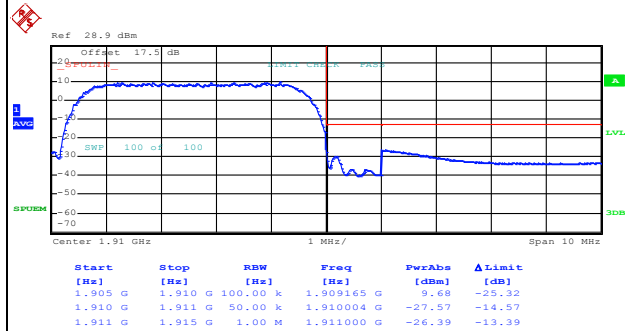
## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge



Date: 10.JUN.2021 15:40:54

### Highest Band Edge



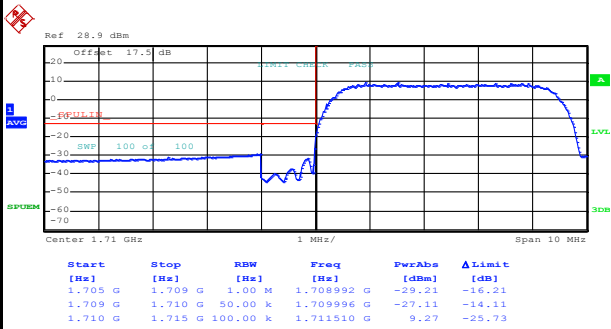
Date: 10.JUN.2021 15:43:52



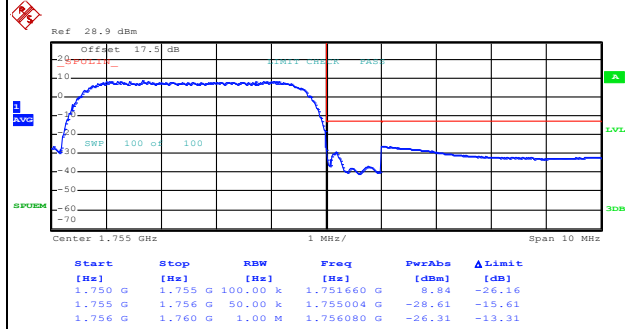
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



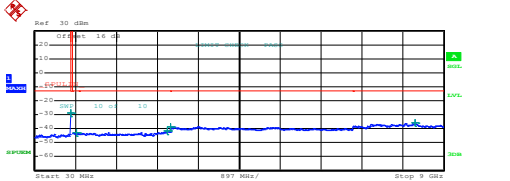
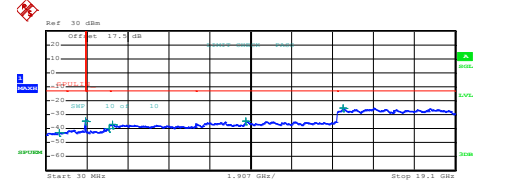
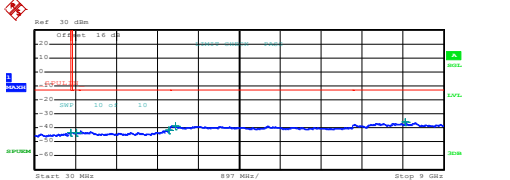
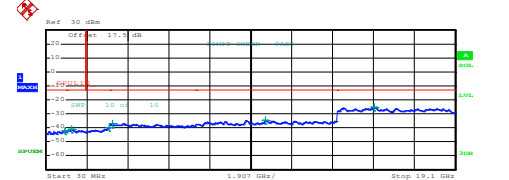
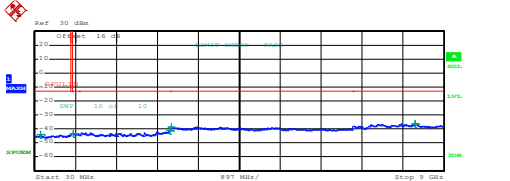
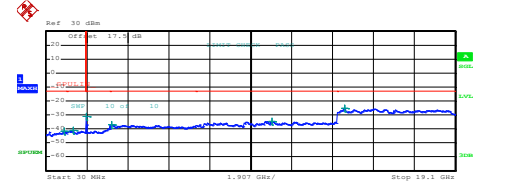
Date: 10.JUN.2021 14:02:09



Date: 10.JUN.2021 14:05:03



# Conducted Spurious Emission

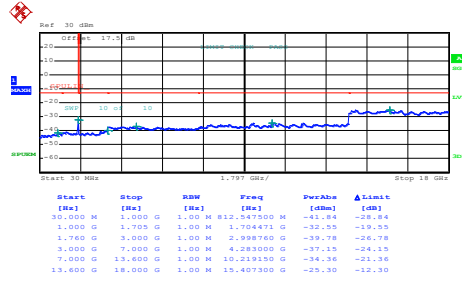
| WCDMA Band V (RMC 12.2Kbps)  | WCDMA Band II (RMC 12.2Kbps) |         |              |        |        |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|--|------------------------------|---------|--------------|--------|--------|--------|------|------|------|------|-------|------|----------|-----------|---------|--------------|--------|--------|-----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|-------------|--------|--------|--|-------|------|-----|------|--------|--------|------|------|------|------|-------|------|----------|---------|---------|--------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|---------|---------|------------|--------|--------|---------|----------|---------|-------------|--------|--------|----------|----------|---------|-------------|--------|--------|
| 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>1,000 M</td> <td>818,017500 M</td> <td>-28.75</td> <td>-25.75</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>937,831256 M</td> <td>-43.03</td> <td>-30.03</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,933000 G</td> <td>-42.21</td> <td>-28.21</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,003000 G</td> <td>-38.70</td> <td>-25.70</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,1371000 G</td> <td>-36.05</td> <td>-23.05</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 15:50:14</p>     | Start                        | Stop    | RBW          | Freq   | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 820,000 M | 1,000 M | 818,017500 M | -28.75 | -25.75 | 855,000 M | 1,000 G | 1,000 M | 937,831256 M | -43.03 | -30.03 | 1,000 G | 3,000 G | 1,000 M | 2,933000 G | -42.21 | -28.21 | 3,000 G | 7,000 G | 1,000 M | 3,003000 G | -38.70 | -25.70 | 7,000 G | 9,000 G | 1,000 M | 8,1371000 G | -36.05 | -23.05 |  <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>1,000 M</td> <td>639,881500 M</td> <td>-42.63</td> <td>-29.63</td> </tr> <tr> <td>1,000 G</td> <td>3,845 G</td> <td>1,000 M</td> <td>1,844366 G</td> <td>-34.34</td> <td>-21.34</td> </tr> <tr> <td>3,845 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,984539 G</td> <td>-39.62</td> <td>-26.62</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,105000 G</td> <td>-37.12</td> <td>-24.12</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>9,352900 G</td> <td>-34.88</td> <td>-21.88</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>13,881187 G</td> <td>-25.33</td> <td>-12.33</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 15:34:07</p>      | Start | Stop | RBW | Freq | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 1,000 G | 1,000 M | 639,881500 M | -42.63 | -29.63 | 1,000 G | 3,845 G | 1,000 M | 1,844366 G | -34.34 | -21.34 | 3,845 G | 3,000 G | 1,000 M | 2,984539 G | -39.62 | -26.62 | 3,000 G | 7,000 G | 1,000 M | 3,105000 G | -37.12 | -24.12 | 7,000 G | 13,600 G | 1,000 M | 9,352900 G  | -34.88 | -21.88 | 13,600 G | 19,100 G | 1,000 M | 13,881187 G | -25.33 | -12.33 |
| Start  | Stop                         | RBW     | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]   | [Hz]                         | [Hz]    | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 820,000 M                    | 1,000 M | 818,017500 M | -28.75 | -25.75 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M  | 1,000 G                      | 1,000 M | 937,831256 M | -43.03 | -30.03 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                      | 1,000 M | 2,933000 G   | -42.21 | -28.21 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                      | 1,000 M | 3,003000 G   | -38.70 | -25.70 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 9,000 G                      | 1,000 M | 8,1371000 G  | -36.05 | -23.05 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start  | Stop                         | RBW     | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]   | [Hz]                         | [Hz]    | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 1,000 G                      | 1,000 M | 639,881500 M | -42.63 | -29.63 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,845 G                      | 1,000 M | 1,844366 G   | -34.34 | -21.34 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,845 G  | 3,000 G                      | 1,000 M | 2,984539 G   | -39.62 | -26.62 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                      | 1,000 M | 3,105000 G   | -37.12 | -24.12 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 13,600 G                     | 1,000 M | 9,352900 G   | -34.88 | -21.88 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G   | 19,100 G                     | 1,000 M | 13,881187 G  | -25.33 | -12.33 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Middle Channel   | Middle Channel               |         |              |        |        |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1180 686 1258"> <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>1,000 M</td> <td>818,420000 M</td> <td>-43.21</td> <td>-30.21</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>946,023766 M</td> <td>-43.22</td> <td>-30.22</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,967000 G</td> <td>-41.61</td> <td>-28.61</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,112000 G</td> <td>-38.92</td> <td>-25.92</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,137000 G</td> <td>-35.76</td> <td>-22.76</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 15:51:10</p>   | Start                        | Stop    | RBW          | Freq   | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 820,000 M | 1,000 M | 818,420000 M | -43.21 | -30.21 | 855,000 M | 1,000 G | 1,000 M | 946,023766 M | -43.22 | -30.22 | 1,000 G | 3,000 G | 1,000 M | 2,967000 G | -41.61 | -28.61 | 3,000 G | 7,000 G | 1,000 M | 3,112000 G | -38.92 | -25.92 | 7,000 G | 9,000 G | 1,000 M | 8,137000 G  | -35.76 | -22.76 |  <table border="1" data-bbox="877 1180 1324 1258"> <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>1,000 M</td> <td>921,672500 M</td> <td>-42.44</td> <td>-29.44</td> </tr> <tr> <td>1,000 G</td> <td>3,845 G</td> <td>1,000 M</td> <td>1,820700 G</td> <td>-40.84</td> <td>-27.84</td> </tr> <tr> <td>3,845 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,981826 G</td> <td>-39.92</td> <td>-26.92</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,134000 G</td> <td>-36.95</td> <td>-23.95</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,233170 G</td> <td>-34.56</td> <td>-21.56</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>15,320813 G</td> <td>-25.29</td> <td>-12.29</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 15:35:02</p>  | Start | Stop | RBW | Freq | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 1,000 G | 1,000 M | 921,672500 M | -42.44 | -29.44 | 1,000 G | 3,845 G | 1,000 M | 1,820700 G | -40.84 | -27.84 | 3,845 G | 3,000 G | 1,000 M | 2,981826 G | -39.92 | -26.92 | 3,000 G | 7,000 G | 1,000 M | 3,134000 G | -36.95 | -23.95 | 7,000 G | 13,600 G | 1,000 M | 10,233170 G | -34.56 | -21.56 | 13,600 G | 19,100 G | 1,000 M | 15,320813 G | -25.29 | -12.29 |
| Start  | Stop                         | RBW     | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]   | [Hz]                         | [Hz]    | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 820,000 M                    | 1,000 M | 818,420000 M | -43.21 | -30.21 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M  | 1,000 G                      | 1,000 M | 946,023766 M | -43.22 | -30.22 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                      | 1,000 M | 2,967000 G   | -41.61 | -28.61 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                      | 1,000 M | 3,112000 G   | -38.92 | -25.92 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 9,000 G                      | 1,000 M | 8,137000 G   | -35.76 | -22.76 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start  | Stop                         | RBW     | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]   | [Hz]                         | [Hz]    | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 1,000 G                      | 1,000 M | 921,672500 M | -42.44 | -29.44 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,845 G                      | 1,000 M | 1,820700 G   | -40.84 | -27.84 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,845 G  | 3,000 G                      | 1,000 M | 2,981826 G   | -39.92 | -26.92 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                      | 1,000 M | 3,134000 G   | -36.95 | -23.95 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 13,600 G                     | 1,000 M | 10,233170 G  | -34.56 | -21.56 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G   | 19,100 G                     | 1,000 M | 15,320813 G  | -25.29 | -12.29 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Highest Channel  | Highest Channel              |         |              |        |        |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
|  <table border="1" data-bbox="239 1700 686 1778"> <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>1,000 M</td> <td>818,020000 M</td> <td>-43.73</td> <td>-30.73</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>874,792501 M</td> <td>-43.22</td> <td>-30.22</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,994500 G</td> <td>-42.00</td> <td>-28.00</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,026000 G</td> <td>-38.81</td> <td>-25.81</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>8,1367000 G</td> <td>-36.59</td> <td>-23.59</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 15:52:25</p> | Start                        | Stop    | RBW          | Freq   | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 820,000 M | 1,000 M | 818,020000 M | -43.73 | -30.73 | 855,000 M | 1,000 G | 1,000 M | 874,792501 M | -43.22 | -30.22 | 1,000 G | 3,000 G | 1,000 M | 2,994500 G | -42.00 | -28.00 | 3,000 G | 7,000 G | 1,000 M | 3,026000 G | -38.81 | -25.81 | 7,000 G | 9,000 G | 1,000 M | 8,1367000 G | -36.59 | -23.59 |  <table border="1" data-bbox="877 1700 1324 1778"> <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>1,000 M</td> <td>882,872500 M</td> <td>-41.63</td> <td>-28.63</td> </tr> <tr> <td>1,000 G</td> <td>3,845 G</td> <td>1,000 M</td> <td>1,272000 G</td> <td>-41.24</td> <td>-28.24</td> </tr> <tr> <td>3,845 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>1,933542 G</td> <td>-31.07</td> <td>-18.07</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,087000 G</td> <td>-37.08</td> <td>-24.08</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,554100 G</td> <td>-34.49</td> <td>-21.49</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>13,932063 G</td> <td>-25.43</td> <td>-12.43</td> </tr> </tbody> </table> <p>Date: 10 JUN 2021 15:35:58</p> | Start | Stop | RBW | Freq | PwrAve | ΔLimit | [Hz] | [Hz] | [Hz] | [Hz] | [dBm] | [dB] | 30,000 M | 1,000 G | 1,000 M | 882,872500 M | -41.63 | -28.63 | 1,000 G | 3,845 G | 1,000 M | 1,272000 G | -41.24 | -28.24 | 3,845 G | 3,000 G | 1,000 M | 1,933542 G | -31.07 | -18.07 | 3,000 G | 7,000 G | 1,000 M | 3,087000 G | -37.08 | -24.08 | 7,000 G | 13,600 G | 1,000 M | 10,554100 G | -34.49 | -21.49 | 13,600 G | 19,100 G | 1,000 M | 13,932063 G | -25.43 | -12.43 |
| Start  | Stop                         | RBW     | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]   | [Hz]                         | [Hz]    | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 820,000 M                    | 1,000 M | 818,020000 M | -43.73 | -30.73 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 855,000 M  | 1,000 G                      | 1,000 M | 874,792501 M | -43.22 | -30.22 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,000 G                      | 1,000 M | 2,994500 G   | -42.00 | -28.00 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                      | 1,000 M | 3,026000 G   | -38.81 | -25.81 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 9,000 G                      | 1,000 M | 8,1367000 G  | -36.59 | -23.59 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| Start  | Stop                         | RBW     | Freq         | PwrAve | ΔLimit |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| [Hz]   | [Hz]                         | [Hz]    | [Hz]         | [dBm]  | [dB]   |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 30,000 M   | 1,000 G                      | 1,000 M | 882,872500 M | -41.63 | -28.63 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 1,000 G  | 3,845 G                      | 1,000 M | 1,272000 G   | -41.24 | -28.24 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,845 G  | 3,000 G                      | 1,000 M | 1,933542 G   | -31.07 | -18.07 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 3,000 G  | 7,000 G                      | 1,000 M | 3,087000 G   | -37.08 | -24.08 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 7,000 G  | 13,600 G                     | 1,000 M | 10,554100 G  | -34.49 | -21.49 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |
| 13,600 G   | 19,100 G                     | 1,000 M | 13,932063 G  | -25.43 | -12.43 |        |      |      |      |      |       |      |          |           |         |              |        |        |           |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |             |        |        |  |       |      |     |      |        |        |      |      |      |      |       |      |          |         |         |              |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |         |         |            |        |        |         |          |         |             |        |        |          |          |         |             |        |        |





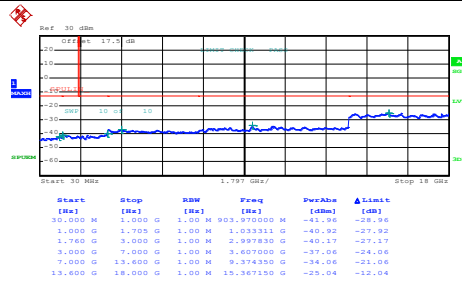
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



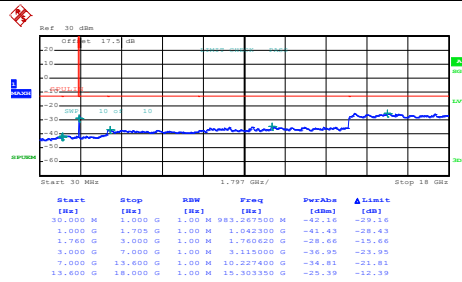
Date: 10.JUN.2021 13:55:03

Middle Channel



Date: 10.JUN.2021 13:55:57

Highest Channel



Date: 10.JUN.2021 13:57:08



**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    | 0.0012                         |                 |
| 0                | Normal Voltage    | 0.0012                         |                 |
| -10              | Normal Voltage    | 0.0012                         |                 |
| -20              | Normal Voltage    | 0.0036                         |                 |
| -30              | Normal Voltage    | 0.0036                         |                 |
| 20               | Maximum Voltage   | 0.0036                         |                 |
| 20               | Normal Voltage    | 0.0000                         |                 |
| 20               | Battery End Point | 0.0024                         |                 |



| Test Conditions  | Middle Channel    | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|------------------------------|---------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)              | Result        |
| 50               | Normal Voltage    | 0.0011                       | PASS          |
| 40               | Normal Voltage    | 0.0011                       |               |
| 30               | Normal Voltage    | 0.0005                       |               |
| 20(Ref.)         | Normal Voltage    | 0.0000                       |               |
| 10               | Normal Voltage    | 0.0011                       |               |
| 0                | Normal Voltage    | 0.0021                       |               |
| -10              | Normal Voltage    | 0.0021                       |               |
| -20              | Normal Voltage    | 0.0027                       |               |
| -30              | Normal Voltage    | 0.0027                       |               |
| 20               | Maximum Voltage   | 0.0011                       |               |
| 20               | Normal Voltage    | 0.0000                       |               |
| 20               | Battery End Point | 0.0005                       |               |

**Note:**

1. Normal Voltage = 3.86V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  | Middle Channel    | WCDMA Band IV<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Result           |
| 50               | Normal Voltage    | 0.0006                          | PASS             |
| 40               | Normal Voltage    | 0.0006                          |                  |
| 30               | Normal Voltage    | 0.0000                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0000                          |                  |
| 0                | Normal Voltage    | 0.0012                          |                  |
| -10              | Normal Voltage    | 0.0023                          |                  |
| -20              | Normal Voltage    | 0.0023                          |                  |
| -30              | Normal Voltage    | 0.0029                          |                  |
| 20               | Maximum Voltage   | 0.0023                          |                  |
| 20               | Normal Voltage    | 0.0000                          |                  |
| 20               | Battery End Point | 0.0006                          |                  |

**Note:**

1. Normal Voltage = 3.86V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block.



# Appendix B. Test Results of Radiated Test

<Primary Antenna>

<Ant. 0>

## 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              | -42.16      | -13           | -29.16            | -50.58            | -47.75             | 0.92                 | 8.66                  | H                  |
|          | 2472              | -26.91      | -13           | -13.91            | -40.36            | -34.28             | 1.14                 | 10.66                 | H                  |
|          | 3296              | -57.33      | -13           | -44.33            | -72.66            | -65.87             | 1.32                 | 12.01                 | H                  |
|          | 4120              | -36.24      | -13           | -23.24            | -54.94            | -45.40             | 1.47                 | 12.78                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1648              | -43.94      | -13           | -30.94            | -51.83            | -49.53             | 0.92                 | 8.66                  | V                  |
|          | 2472              | -29.92      | -13           | -16.92            | -43.52            | -37.29             | 1.14                 | 10.66                 | V                  |
|          | 3296              | -56.84      | -13           | -43.84            | -72.64            | -65.38             | 1.32                 | 12.01                 | V                  |
|          | 4120              | -40.05      | -13           | -27.05            | -58.8             | -49.21             | 1.47                 | 12.78                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle   | 1672              | -39.25      | -13           | -26.25            | -47.75            | -44.93             | 0.93                 | 8.75                  | H                  |
|          | 2512              | -27.20      | -13           | -14.20            | -40.69            | -34.61             | 1.15                 | 10.71                 | H                  |
|          | 3344              | -57.10      | -13           | -44.10            | -72.32            | -65.74             | 1.33                 | 12.13                 | H                  |
|          | 4184              | -36.34      | -13           | -23.34            | -55.12            | -45.49             | 1.46                 | 12.76                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1672              | -41.38      | -13           | -28.38            | -49.25            | -47.06             | 0.93                 | 8.75                  | V                  |
|          | 2512              | -30.47      | -13           | -17.47            | -44.15            | -37.88             | 1.15                 | 10.71                 | V                  |
|          | 3344              | -56.90      | -13           | -43.90            | -72.57            | -65.54             | 1.33                 | 12.13                 | V                  |
|          | 4184              | -39.96      | -13           | -26.96            | -58.87            | -49.11             | 1.46                 | 12.76                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1696 | -32.05 | -13 | -19.05 | -40.61 | -37.81 | 0.94 | 8.84  | H |
|         | 2544 | -26.33 | -13 | -13.33 | -39.83 | -33.77 | 1.16 | 10.75 | H |
|         | 3395 | -57.63 | -13 | -44.63 | -72.74 | -66.39 | 1.34 | 12.25 | H |
|         | 4248 | -35.56 | -13 | -22.56 | -54.6  | -44.71 | 1.45 | 12.75 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1696 | -35.31 | -13 | -22.31 | -43.16 | -41.07 | 0.94 | 8.84  | V |
|         | 2544 | -30.33 | -13 | -17.33 | -43.94 | -37.77 | 1.16 | 10.75 | V |
|         | 3395 | -55.89 | -13 | -42.89 | -71.43 | -64.65 | 1.34 | 12.25 | V |
|         | 4248 | -37.62 | -13 | -24.62 | -56.72 | -46.77 | 1.45 | 12.75 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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              | -36.63      | -13           | -23.63            | -45.05            | -42.22             | 0.92                 | 8.66                  | H                  |
|          | 2472              | -29.64      | -13           | -16.64            | -43.09            | -37.01             | 1.14                 | 10.66                 | H                  |
|          | 3296              | -55.36      | -13           | -42.36            | -67.69            | -63.90             | 1.32                 | 12.01                 | H                  |
|          | 4120              | -45.21      | -13           | -32.21            | -63.91            | -54.37             | 1.47                 | 12.78                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1648              | -40.45      | -13           | -27.45            | -48.34            | -46.04             | 0.92                 | 8.66                  | V                  |
|          | 2472              | -34.67      | -13           | -21.67            | -48.27            | -42.04             | 1.14                 | 10.66                 | V                  |
|          | 3296              | -54.27      | -13           | -41.27            | -70.07            | -62.81             | 1.32                 | 12.01                 | V                  |
|          | 4120              | -47.58      | -13           | -34.58            | -66.33            | -56.74             | 1.47                 | 12.78                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle   | 1672              | -34.07      | -13           | -21.07            | -42.57            | -39.75             | 0.93                 | 8.75                  | H                  |
|          | 2512              | -28.84      | -13           | -15.84            | -42.33            | -36.25             | 1.15                 | 10.71                 | H                  |
|          | 3344              | -53.41      | -13           | -40.41            | -68.63            | -62.05             | 1.33                 | 12.13                 | H                  |
|          | 4184              | -42.22      | -13           | -29.22            | -61               | -51.37             | 1.46                 | 12.76                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1672              | -36.02      | -13           | -23.02            | -43.89            | -41.70             | 0.93                 | 8.75                  | V                  |
|          | 2512              | -35.49      | -13           | -22.49            | -49.17            | -42.90             | 1.15                 | 10.71                 | V                  |
|          | 3344              | -55.88      | -13           | -42.88            | -71.55            | -64.52             | 1.33                 | 12.13                 | V                  |
|          | 4184              | -47.44      | -13           | -34.44            | -66.35            | -56.59             | 1.46                 | 12.76                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1696 | -29.69 | -13 | -16.69 | -38.25 | -35.45 | 0.94 | 8.84  | H |
|         | 2544 | -25.60 | -13 | -12.60 | -39.1  | -33.04 | 1.16 | 10.75 | H |
|         | 3395 | -57.69 | -13 | -44.69 | -72.8  | -66.45 | 1.34 | 12.25 | H |
|         | 4248 | -36.10 | -13 | -23.10 | -55.14 | -45.25 | 1.45 | 12.75 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1696 | -34.01 | -13 | -21.01 | -41.86 | -39.77 | 0.94 | 8.84  | V |
|         | 2544 | -28.88 | -13 | -15.88 | -42.49 | -36.32 | 1.16 | 10.75 | V |
|         | 3395 | -56.91 | -13 | -43.91 | -72.45 | -65.67 | 1.34 | 12.25 | V |
|         | 4248 | -39.10 | -13 | -26.10 | -58.2  | -48.25 | 1.45 | 12.75 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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    | 1652              | -63.19      | -13           | -50.19            | -71.61            | -68.80             | 0.92                 | 8.68                  | H                  |
|           | 2479              | -52.72      | -13           | -39.72            | -66.18            | -60.10             | 1.15                 | 10.67                 | H                  |
|           | 3305              | -57.55      | -13           | -44.55            | -72.87            | -66.11             | 1.32                 | 12.03                 | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           | 1652              | -63.74      | -13           | -50.74            | -71.62            | -69.35             | 0.92                 | 8.68                  | V                  |
|           | 2479              | -55.66      | -13           | -42.66            | -69.29            | -63.04             | 1.15                 | 10.67                 | V                  |
|           | 3305              | -57.02      | -13           | -44.02            | -72.81            | -65.58             | 1.32                 | 12.03                 | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle    | 1672              | -62.31      | -13           | -49.31            | -70.81            | -67.99             | 0.93                 | 8.75                  | H                  |
|           | 2509              | -52.86      | -13           | -39.86            | -66.35            | -60.27             | 1.15                 | 10.71                 | H                  |
|           | 3345              | -57.18      | -13           | -44.18            | -72.4             | -65.83             | 1.33                 | 12.13                 | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           | 1672              | -63.09      | -13           | -50.09            | -70.96            | -68.77             | 0.93                 | 8.75                  | V                  |
|           | 2509              | -56.22      | -13           | -43.22            | -69.91            | -63.63             | 1.15                 | 10.71                 | V                  |
|           | 3345              | -56.85      | -13           | -43.85            | -72.53            | -65.50             | 1.33                 | 12.13                 | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1693 | -62.05 | -13 | -49.05 | -70.61 | -67.80 | 0.94 | 8.83  | H |
|         | 2539 | -50.58 | -13 | -37.58 | -64.08 | -58.02 | 1.16 | 10.75 | H |
|         | 3386 | -57.61 | -13 | -44.61 | -72.73 | -66.35 | 1.34 | 12.23 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1693 | -63.22 | -13 | -50.22 | -71.08 | -68.97 | 0.94 | 8.83  | V |
|         | 2539 | -53.38 | -13 | -40.38 | -67.01 | -60.82 | 1.16 | 10.75 | V |
|         | 3386 | -57.05 | -13 | -44.05 | -72.61 | -65.79 | 1.34 | 12.23 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



<Ant. 2>

**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     | 3427              | -56.98       | -13           | -43.98            | -72.97            | -67.96             | 1.35                 | 12.32                 | H                  |
|            | 5135              | -52.21       | -13           | -39.21            | -74.16            | -63.35             | 1.65                 | 12.79                 | H                  |
|            | 6850              | -48.36       | -13           | -35.36            | -73.77            | -58.73             | 1.74                 | 12.11                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3427              | -56.64       | -13           | -43.64            | -73.04            | -67.62             | 1.35                 | 12.32                 | V                  |
|            | 5135              | -52.27       | -13           | -39.27            | -73.97            | -63.41             | 1.65                 | 12.79                 | V                  |
|            | 6850              | -49.33       | -13           | -36.33            | -74.33            | -59.70             | 1.74                 | 12.11                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle     | 3462              | -56.46       | -13           | -43.46            | -72.79            | -67.52             | 1.35                 | 12.41                 | H                  |
|            | 5198              | -52.47       | -13           | -39.47            | -74.4             | -63.69             | 1.66                 | 12.88                 | H                  |
|            | 6927              | -48.18       | -13           | -35.18            | -73.97            | -58.45             | 1.73                 | 12.00                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3462              | -56.14       | -13           | -43.14            | -72.86            | -67.20             | 1.35                 | 12.41                 | V                  |
|            | 5198              | -52.49       | -13           | -39.49            | -74.26            | -63.71             | 1.66                 | 12.88                 | V                  |
|            | 6927              | -48.43       | -13           | -35.43            | -73.77            | -58.70             | 1.73                 | 12.00                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3504 | -55.67 | -13 | -42.67 | -72.39 | -66.81 | 1.36 | 12.50 | H |
|         | 5254 | -52.10 | -13 | -39.10 | -74.23 | -63.38 | 1.68 | 12.96 | H |
|         | 7011 | -47.49 | -13 | -34.49 | -73.7  | -57.65 | 1.73 | 11.88 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3504 | -55.78 | -13 | -42.78 | -72.85 | -66.92 | 1.36 | 12.50 | V |
|         | 5254 | -52.42 | -13 | -39.42 | -74.32 | -63.70 | 1.68 | 12.96 | V |
|         | 7011 | -47.51 | -13 | -34.51 | -73.23 | -57.67 | 1.73 | 11.88 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



**GPRS 1900**

| GPRS 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    | 3700              | -55.05       | -13           | -42.05            | -72.97            | -66.26             | 1.41                 | 12.62                 | H                  |
|           | 5551              | -50.88       | -13           | -37.88            | -74.05            | -62.44             | 1.74                 | 13.30                 | H                  |
|           | 7401              | -47.08       | -13           | -34.08            | -73.91            | -56.40             | 1.94                 | 11.26                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3700              | -54.94       | -13           | -41.94            | -73               | -66.15             | 1.41                 | 12.62                 | V                  |
|           | 5551              | -51.52       | -13           | -38.52            | -74.21            | -63.08             | 1.74                 | 13.30                 | V                  |
|           | 7401              | -47.31       | -13           | -34.31            | -73.98            | -56.63             | 1.94                 | 11.26                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle    | 3760              | -55.02       | -13           | -42.02            | -73.21            | -66.25             | 1.43                 | 12.66                 | H                  |
|           | 5640              | -51.44       | -13           | -38.44            | -74.66            | -63.01             | 1.73                 | 13.30                 | H                  |
|           | 7520              | -47.69       | -13           | -34.69            | -73.96            | -56.80             | 1.99                 | 11.10                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3760              | -54.62       | -13           | -41.62            | -73.03            | -65.85             | 1.43                 | 12.66                 | V                  |
|           | 5640              | -51.71       | -13           | -38.71            | -74.52            | -63.28             | 1.73                 | 13.30                 | V                  |
|           | 7520              | -47.81       | -13           | -34.81            | -74.04            | -56.92             | 1.99                 | 11.10                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3820 | -54.77 | -13 | -41.77 | -73.19 | -66.02 | 1.44 | 12.69 | H |
|         | 5729 | -50.60 | -13 | -37.60 | -74.28 | -62.17 | 1.73 | 13.30 | H |
|         | 7639 | -48.08 | -13 | -35.08 | -73.94 | -57.20 | 2.01 | 11.13 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3820 | -54.55 | -13 | -41.55 | -73.2  | -65.80 | 1.44 | 12.69 | V |
|         | 5729 | -51.19 | -13 | -38.19 | -74.23 | -62.76 | 1.73 | 13.30 | V |
|         | 7639 | -47.95 | -13 | -34.95 | -73.72 | -57.07 | 2.01 | 11.13 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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    | 3700              | -54.81       | -13           | -41.81            | -72.73            | -66.02             | 1.41                 | 12.62                 | H                  |
|           | 5551              | -50.98       | -13           | -37.98            | -74.15            | -62.54             | 1.74                 | 13.30                 | H                  |
|           | 7401              | -47.43       | -13           | -34.43            | -74.26            | -56.75             | 1.94                 | 11.26                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3700              | -55.28       | -13           | -42.28            | -73.34            | -66.49             | 1.41                 | 12.62                 | V                  |
|           | 5551              | -51.33       | -13           | -38.33            | -74.02            | -62.89             | 1.74                 | 13.30                 | V                  |
|           | 7401              | -47.49       | -13           | -34.49            | -74.16            | -56.81             | 1.94                 | 11.26                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle    | 3760              | -55.07       | -13           | -42.07            | -73.26            | -66.30             | 1.43                 | 12.66                 | H                  |
|           | 5640              | -51.35       | -13           | -38.35            | -74.57            | -62.92             | 1.73                 | 13.30                 | H                  |
|           | 7520              | -47.59       | -13           | -34.59            | -73.86            | -56.70             | 1.99                 | 11.10                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3760              | -54.97       | -13           | -41.97            | -73.38            | -66.20             | 1.43                 | 12.66                 | V                  |
|           | 5640              | -51.76       | -13           | -38.76            | -74.57            | -63.33             | 1.73                 | 13.30                 | V                  |
|           | 7520              | -48.08       | -13           | -35.08            | -74.31            | -57.19             | 1.99                 | 11.10                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3820 | -54.61 | -13 | -41.61 | -73.03 | -65.86 | 1.44 | 12.69 | H |
|         | 5729 | -50.89 | -13 | -37.89 | -74.57 | -62.46 | 1.73 | 13.30 | H |
|         | 7639 | -48.09 | -13 | -35.09 | -73.95 | -57.21 | 2.01 | 11.13 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3820 | -54.82 | -13 | -41.82 | -73.47 | -66.07 | 1.44 | 12.69 | V |
|         | 5729 | -51.33 | -13 | -38.33 | -74.37 | -62.90 | 1.73 | 13.30 | V |
|         | 7639 | -48.52 | -13 | -35.52 | -74.29 | -57.64 | 2.01 | 11.13 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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     | 3705              | -55.13       | -13           | -42.13            | -73.1             | -66.34             | 1.41                 | 12.62                 | H                  |
|            | 5557              | -51.12       | -13           | -38.12            | -74.27            | -62.68             | 1.74                 | 13.30                 | H                  |
|            | 7410              | -47.69       | -13           | -34.69            | -74.48            | -56.99             | 1.94                 | 11.24                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3705              | -54.77       | -13           | -41.77            | -72.87            | -65.98             | 1.41                 | 12.62                 | V                  |
|            | 5557              | -51.68       | -13           | -38.68            | -74.38            | -63.24             | 1.74                 | 13.30                 | V                  |
|            | 7410              | -47.73       | -13           | -34.73            | -74.37            | -57.03             | 1.94                 | 11.24                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle     | 3760              | -54.59       | -13           | -41.59            | -72.79            | -65.82             | 1.43                 | 12.66                 | H                  |
|            | 5640              | -50.91       | -13           | -37.91            | -74.13            | -62.48             | 1.73                 | 13.30                 | H                  |
|            | 7520              | -48.06       | -13           | -35.06            | -74.33            | -57.17             | 1.99                 | 11.10                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3760              | -54.36       | -13           | -41.36            | -72.77            | -65.59             | 1.43                 | 12.66                 | V                  |
|            | 5640              | -51.84       | -13           | -38.84            | -74.65            | -63.41             | 1.73                 | 13.30                 | V                  |
|            | 7520              | -48.10       | -13           | -35.10            | -74.34            | -57.21             | 1.99                 | 11.10                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3815 | -54.92 | -13 | -41.92 | -73.32 | -66.17 | 1.44 | 12.69 | H |
|         | 5723 | -50.88 | -13 | -37.88 | -74.53 | -62.45 | 1.73 | 13.30 | H |
|         | 7630 | -48.40 | -13 | -35.40 | -74.25 | -57.52 | 2.01 | 11.13 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3815 | -54.62 | -13 | -41.62 | -73.26 | -65.87 | 1.44 | 12.69 | V |
|         | 5723 | -51.50 | -13 | -38.50 | -74.52 | -63.07 | 1.73 | 13.30 | V |
|         | 7630 | -48.53 | -13 | -35.53 | -74.29 | -57.65 | 2.01 | 11.13 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



<ASDIV Antenna>

<Ant. 0>

**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     | 3427              | -57.11       | -13           | -44.11            | -73.1             | -68.09             | 1.35                 | 12.32                 | H                  |
|            | 5135              | -50.02       | -13           | -37.02            | -71.97            | -61.16             | 1.65                 | 12.79                 | H                  |
|            | 6850              | -49.01       | -13           | -36.01            | -74.42            | -59.38             | 1.74                 | 12.11                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3427              | -56.47       | -13           | -43.47            | -72.87            | -67.45             | 1.35                 | 12.32                 | V                  |
|            | 5135              | -48.06       | -13           | -35.06            | -69.76            | -59.20             | 1.65                 | 12.79                 | V                  |
|            | 6850              | -48.97       | -13           | -35.97            | -73.97            | -59.34             | 1.74                 | 12.11                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle     | 3462              | -55.90       | -13           | -42.90            | -72.23            | -66.96             | 1.35                 | 12.41                 | H                  |
|            | 5198              | -48.70       | -13           | -35.70            | -70.63            | -59.92             | 1.66                 | 12.88                 | H                  |
|            | 6927              | -48.05       | -13           | -35.05            | -73.84            | -58.32             | 1.73                 | 12.00                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3462              | -55.71       | -13           | -42.71            | -72.43            | -66.77             | 1.35                 | 12.41                 | V                  |
|            | 5198              | -46.16       | -13           | -33.16            | -67.93            | -57.38             | 1.66                 | 12.88                 | V                  |
|            | 6927              | -48.57       | -13           | -35.57            | -73.91            | -58.84             | 1.73                 | 12.00                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3504 | -55.29 | -13 | -42.29 | -72.01 | -66.43 | 1.36 | 12.50 | H |
|         | 5254 | -49.90 | -13 | -36.90 | -72.03 | -61.18 | 1.68 | 12.96 | H |
|         | 7011 | -47.51 | -13 | -34.51 | -73.72 | -57.67 | 1.73 | 11.88 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3504 | -55.25 | -13 | -42.25 | -72.32 | -66.39 | 1.36 | 12.50 | V |
|         | 5254 | -44.94 | -13 | -31.94 | -66.84 | -56.22 | 1.68 | 12.96 | V |
|         | 7011 | -47.39 | -13 | -34.39 | -73.11 | -57.55 | 1.73 | 11.88 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



**GPRS 1900**

| GPRS 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    | 3700              | -48.29       | -13           | -35.29            | -66.21            | -59.50             | 1.41                 | 12.62                 | H                  |
|           | 5550              | -32.79       | -13           | -19.79            | -55.97            | -44.35             | 1.74                 | 13.30                 | H                  |
|           | 7400              | -47.17       | -13           | -34.17            | -74               | -56.49             | 1.94                 | 11.26                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3700              | -47.05       | -13           | -34.05            | -65.11            | -58.26             | 1.41                 | 12.62                 | V                  |
|           | 5550              | -30.91       | -13           | -17.91            | -53.61            | -42.47             | 1.74                 | 13.30                 | V                  |
|           | 7400              | -47.33       | -13           | -34.33            | -74               | -56.65             | 1.94                 | 11.26                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle    | 3760              | -51.33       | -13           | -38.33            | -69.52            | -62.56             | 1.43                 | 12.66                 | H                  |
|           | 5640              | -30.65       | -13           | -17.65            | -53.87            | -42.22             | 1.73                 | 13.30                 | H                  |
|           | 7520              | -47.69       | -13           | -34.69            | -73.96            | -56.80             | 1.99                 | 11.10                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3760              | -49.04       | -13           | -36.04            | -67.45            | -60.27             | 1.43                 | 12.66                 | V                  |
|           | 5640              | -31.33       | -13           | -18.33            | -54.14            | -42.90             | 1.73                 | 13.30                 | V                  |
|           | 7520              | -47.71       | -13           | -34.71            | -73.94            | -56.82             | 1.99                 | 11.10                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3820 | -52.88 | -13 | -39.88 | -71.3  | -64.13 | 1.44 | 12.69 | H |
|         | 5730 | -32.86 | -13 | -19.86 | -56.54 | -44.43 | 1.73 | 13.30 | H |
|         | 7640 | -47.21 | -13 | -34.21 | -73.07 | -56.33 | 2.01 | 11.13 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3820 | -49.39 | -13 | -36.39 | -68.04 | -60.64 | 1.44 | 12.69 | V |
|         | 5730 | -34.25 | -13 | -21.25 | -57.29 | -45.82 | 1.73 | 13.30 | V |
|         | 7640 | -48.13 | -13 | -35.13 | -73.89 | -57.25 | 2.01 | 11.13 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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    | 3700              | -54.90       | -13           | -41.90            | -72.83            | -66.11             | 1.41                 | 12.62                 | H                  |
|           | 5551              | -50.32       | -13           | -37.32            | -73.49            | -61.88             | 1.74                 | 13.30                 | H                  |
|           | 7401              | -47.16       | -13           | -34.16            | -73.99            | -56.48             | 1.94                 | 11.26                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3700              | -55.19       | -13           | -42.19            | -73.27            | -66.40             | 1.41                 | 12.62                 | V                  |
|           | 5551              | -51.03       | -13           | -38.03            | -73.72            | -62.59             | 1.74                 | 13.30                 | V                  |
|           | 7401              | -47.32       | -13           | -34.32            | -73.99            | -56.64             | 1.94                 | 11.26                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle    | 3760              | -54.27       | -13           | -41.27            | -72.68            | -65.50             | 1.43                 | 12.66                 | H                  |
|           | 5640              | -51.57       | -13           | -38.57            | -74.38            | -63.14             | 1.73                 | 13.30                 | H                  |
|           | 7520              | -47.80       | -13           | -34.80            | -74.04            | -56.91             | 1.99                 | 11.10                 | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           |                   |              |               |                   |                   |                    |                      |                       | H                  |
|           | 3760              | -54.27       | -13           | -41.27            | -72.68            | -65.50             | 1.43                 | 12.66                 | V                  |
|           | 5640              | -51.57       | -13           | -38.57            | -74.38            | -63.14             | 1.73                 | 13.30                 | V                  |
|           | 7520              | -47.80       | -13           | -34.80            | -74.04            | -56.91             | 1.99                 | 11.10                 | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |
|           |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3820 | -54.78 | -13 | -41.78 | -73.21 | -66.03 | 1.44 | 12.69 | H |
|         | 5729 | -50.90 | -13 | -37.90 | -74.58 | -62.47 | 1.73 | 13.30 | H |
|         | 7639 | -48.35 | -13 | -35.35 | -74.21 | -57.47 | 2.01 | 11.13 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3820 | -54.35 | -13 | -41.35 | -73    | -65.60 | 1.44 | 12.69 | V |
|         | 5729 | -51.80 | -13 | -38.80 | -74.84 | -63.37 | 1.73 | 13.30 | V |
|         | 7639 | -48.03 | -13 | -35.03 | -73.8  | -57.15 | 2.01 | 11.13 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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     | 3705              | -54.73       | -13           | -41.73            | -72.69            | -65.94             | 1.41                 | 12.62                 | H                  |
|            | 5557              | -45.60       | -13           | -32.60            | -68.75            | -57.16             | 1.74                 | 13.30                 | H                  |
|            | 7410              | -47.26       | -13           | -34.26            | -74.05            | -56.56             | 1.94                 | 11.24                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3705              | -54.93       | -13           | -41.93            | -73.03            | -66.14             | 1.41                 | 12.62                 | V                  |
|            | 5557              | -46.74       | -13           | -33.74            | -69.44            | -58.30             | 1.74                 | 13.30                 | V                  |
|            | 7410              | -47.31       | -13           | -34.31            | -73.95            | -56.61             | 1.94                 | 11.24                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
| Middle     | 3760              | -54.90       | -13           | -41.90            | -73.09            | -66.13             | 1.43                 | 12.66                 | H                  |
|            | 5640              | -46.27       | -13           | -33.27            | -69.49            | -57.84             | 1.73                 | 13.30                 | H                  |
|            | 7520              | -47.72       | -13           | -34.72            | -73.99            | -56.83             | 1.99                 | 11.10                 | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            |                   |              |               |                   |                   |                    |                      |                       | H                  |
|            | 3760              | -54.43       | -13           | -41.43            | -72.84            | -65.66             | 1.43                 | 12.66                 | V                  |
|            | 5640              | -47.42       | -13           | -34.42            | -70.23            | -58.99             | 1.73                 | 13.30                 | V                  |
|            | 7520              | -47.55       | -13           | -34.55            | -73.78            | -56.66             | 1.99                 | 11.10                 | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |
|            |                   |              |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 3815 | -54.32 | -13 | -41.32 | -72.72 | -65.57 | 1.44 | 12.69 | H |
|         | 5723 | -47.99 | -13 | -34.99 | -71.64 | -59.56 | 1.73 | 13.30 | H |
|         | 7630 | -47.67 | -13 | -34.67 | -73.52 | -56.79 | 2.01 | 11.13 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 3815 | -54.42 | -13 | -41.42 | -73.06 | -65.67 | 1.44 | 12.69 | V |
|         | 5723 | -49.29 | -13 | -36.29 | -72.31 | -60.86 | 1.73 | 13.30 | V |
|         | 7630 | -48.22 | -13 | -35.22 | -73.99 | -57.34 | 2.01 | 11.13 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



<Ant. 1>

**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              | -60.46      | -13           | -47.46            | -68.88            | -66.05             | 0.92                 | 8.66                  | H                  |
|          | 2472              | -52.00      | -13           | -39.00            | -65.45            | -59.37             | 1.14                 | 10.66                 | H                  |
|          | 3296              | -57.87      | -13           | -44.87            | -73.19            | -66.41             | 1.32                 | 12.01                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1648              | -63.00      | -13           | -50.00            | -70.89            | -68.59             | 0.92                 | 8.66                  | V                  |
|          | 2472              | -53.30      | -13           | -40.30            | -66.9             | -60.67             | 1.14                 | 10.66                 | V                  |
|          | 3296              | -57.27      | -13           | -44.27            | -73.07            | -65.81             | 1.32                 | 12.01                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle   | 1672              | -62.58      | -13           | -49.58            | -71.08            | -68.26             | 0.93                 | 8.75                  | H                  |
|          | 2512              | -45.40      | -13           | -32.40            | -58.89            | -52.81             | 1.15                 | 10.71                 | H                  |
|          | 3344              | -56.81      | -13           | -43.81            | -72.03            | -65.45             | 1.33                 | 12.13                 | H                  |
|          | 4184              | -47.28      | -13           | -34.28            | -66.06            | -56.43             | 1.46                 | 12.76                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1672              | -63.53      | -13           | -50.53            | -71.4             | -69.21             | 0.93                 | 8.75                  | V                  |
|          | 2512              | -46.63      | -13           | -33.63            | -60.32            | -54.04             | 1.15                 | 10.71                 | V                  |
|          | 3344              | -57.08      | -13           | -44.08            | -72.76            | -65.72             | 1.33                 | 12.13                 | V                  |
|          | 4184              | -42.07      | -13           | -29.07            | -60.98            | -51.22             | 1.46                 | 12.76                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1696 | -60.81 | -13 | -47.81 | -69.39 | -66.57 | 0.94 | 8.84  | H |
|         | 2544 | -54.50 | -13 | -41.50 | -68    | -61.94 | 1.16 | 10.75 | H |
|         | 3395 | -58.06 | -13 | -45.06 | -73.17 | -66.82 | 1.34 | 12.25 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1696 | -63.08 | -13 | -50.08 | -70.94 | -68.84 | 0.94 | 8.84  | V |
|         | 2544 | -55.17 | -13 | -42.17 | -68.77 | -62.61 | 1.16 | 10.75 | V |
|         | 3395 | -57.65 | -13 | -44.65 | -73.19 | -66.41 | 1.34 | 12.25 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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              | -61.82      | -13           | -48.82            | -70.24            | -67.41             | 0.92                 | 8.66                  | H                  |
|          | 2472              | -52.88      | -13           | -39.88            | -66.33            | -60.25             | 1.14                 | 10.66                 | H                  |
|          | 3296              | -57.70      | -13           | -44.70            | -73.02            | -66.24             | 1.32                 | 12.01                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1648              | -62.99      | -13           | -49.99            | -70.88            | -68.58             | 0.92                 | 8.66                  | V                  |
|          | 2472              | -52.73      | -13           | -39.73            | -66.33            | -60.10             | 1.14                 | 10.66                 | V                  |
|          | 3296              | -57.14      | -13           | -44.14            | -72.94            | -65.68             | 1.32                 | 12.01                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle   | 1672              | -60.20      | -13           | -47.20            | -68.69            | -65.88             | 0.93                 | 8.75                  | H                  |
|          | 2512              | -52.42      | -13           | -39.42            | -65.91            | -59.83             | 1.15                 | 10.71                 | H                  |
|          | 3344              | -57.86      | -13           | -44.86            | -73.08            | -66.50             | 1.33                 | 12.13                 | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          |                   |             |               |                   |                   |                    |                      |                       | H                  |
|          | 1672              | -62.72      | -13           | -49.72            | -70.58            | -68.40             | 0.93                 | 8.75                  | V                  |
|          | 2512              | -51.12      | -13           | -38.12            | -64.81            | -58.53             | 1.15                 | 10.71                 | V                  |
|          | 3344              | -57.35      | -13           | -44.35            | -73.02            | -65.99             | 1.33                 | 12.13                 | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |
|          |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1696 | -59.71 | -13 | -46.71 | -68.29 | -65.47 | 0.94 | 8.84  | H |
|         | 2544 | -52.54 | -13 | -39.54 | -66.04 | -59.98 | 1.16 | 10.75 | H |
|         | 3395 | -58.20 | -13 | -45.20 | -73.31 | -66.96 | 1.34 | 12.25 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1696 | -62.95 | -13 | -49.95 | -70.8  | -68.71 | 0.94 | 8.84  | V |
|         | 2544 | -51.79 | -13 | -38.79 | -65.39 | -59.23 | 1.16 | 10.75 | V |
|         | 3395 | -57.21 | -13 | -44.21 | -72.75 | -65.97 | 1.34 | 12.25 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | 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    | 1652              | -63.33      | -13           | -50.33            | -71.77            | -68.94             | 0.92                 | 8.68                  | H                  |
|           | 2479              | -52.90      | -13           | -39.90            | -66.36            | -60.28             | 1.15                 | 10.67                 | H                  |
|           | 3305              | -57.35      | -13           | -44.35            | -72.67            | -65.91             | 1.32                 | 12.03                 | H                  |
|           | 4132              | -54.15      | -13           | -41.15            | -72.85            | -63.30             | 1.47                 | 12.77                 | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           | 1652              | -64.06      | -13           | -51.06            | -71.95            | -69.67             | 0.92                 | 8.68                  | V                  |
|           | 2479              | -52.96      | -13           | -39.96            | -66.59            | -60.34             | 1.15                 | 10.67                 | V                  |
|           | 3305              | -57.41      | -13           | -44.41            | -73.19            | -65.97             | 1.32                 | 12.03                 | V                  |
|           | 4132              | -51.46      | -13           | -38.46            | -70.23            | -60.61             | 1.47                 | 12.77                 | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |
| Middle    | 1672              | -62.86      | -13           | -49.86            | -71.35            | -68.54             | 0.93                 | 8.75                  | H                  |
|           | 2509              | -53.56      | -13           | -40.56            | -67.05            | -60.97             | 1.15                 | 10.71                 | H                  |
|           | 3345              | -57.29      | -13           | -44.29            | -72.51            | -65.94             | 1.33                 | 12.13                 | H                  |
|           | 4182              | -52.31      | -13           | -39.31            | -71.09            | -61.46             | 1.46                 | 12.76                 | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           |                   |             |               |                   |                   |                    |                      |                       | H                  |
|           | 1672              | -63.16      | -13           | -50.16            | -71.02            | -68.84             | 0.93                 | 8.75                  | V                  |
|           | 2509              | -52.36      | -13           | -39.36            | -66.05            | -59.77             | 1.15                 | 10.71                 | V                  |
|           | 3345              | -57.21      | -13           | -44.21            | -72.88            | -65.86             | 1.33                 | 12.13                 | V                  |
|           | 4182              | -50.51      | -13           | -37.51            | -69.42            | -59.66             | 1.46                 | 12.76                 | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |
|           |                   |             |               |                   |                   |                    |                      |                       | V                  |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1693 | -62.63 | -13 | -49.63 | -71.19 | -68.38 | 0.94 | 8.83  | H |
|         | 2539 | -54.21 | -13 | -41.21 | -67.71 | -61.65 | 1.16 | 10.75 | H |
|         | 3386 | -57.88 | -13 | -44.88 | -73    | -66.62 | 1.34 | 12.23 | H |
|         | 4233 | -52.81 | -13 | -39.81 | -71.78 | -61.96 | 1.45 | 12.75 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1693 | -63.52 | -13 | -50.52 | -71.38 | -69.27 | 0.94 | 8.83  | V |
|         | 2539 | -53.60 | -13 | -40.60 | -67.22 | -61.04 | 1.16 | 10.75 | V |
|         | 3386 | -57.46 | -13 | -44.46 | -73.02 | -66.20 | 1.34 | 12.23 | V |
|         | 4233 | -50.50 | -13 | -37.50 | -69.56 | -59.65 | 1.45 | 12.75 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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

————THE END————