



# FCC RF Test Report

APPLICANT : VeriFone, Inc.  
EQUIPMENT : Point of Sale Terminal  
BRAND NAME : Verifone & VERIFONE  
MODEL NAME : V660p-A, V660p Plus-A  
FCC ID : B32V660PA  
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L)  
CLASSIFICATION : PCS Licensed Transmitter (PCB)  
TEST DATE(S) : May 31, 2024 ~ Jun. 04, 2024

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown 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. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (Kunshan)**

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300  
People's Republic of China**



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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FG440202A  | Rev. 01 | Initial issue of report | Jul. 02, 2024 |
|            |         |                         |               |
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## SUMMARY OF TEST RESULT

| Report Section | FCC Rule   | Description                                   | Limit                  | Result      | Remark                                    |
|----------------|--|---|------------------------|-------------|---|
| 3.4            | §2.1046  | Conducted Output Power                        | -                      | Report Only | -   |
|                | §22.913(a)(5)                                    | Effective Radiated Power                      | < 7 Watts              | PASS        | -   |
|                | §24.232(c)                                       | Equivalent Isotropic Radiated Power           | < 2 Watts              | PASS        | -   |
|                | §27.50(d)(4)                                     | Equivalent Isotropic Radiated Power           | < 1 Watts              | PASS        | -   |
| 3.5            | §24.232(d)                                       | Peak-to-Average Ratio                         | < 13 dB                | PASS        | -   |
| 3.6            | §2.1049  | Occupied Bandwidth                            | Reporting Only         | PASS        | -   |
| 3.7            | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(h) | Band Edge Measurement                         | < 43+10log10(P[Watts]) | PASS        | -   |
| 3.8            | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(h) | Conducted Emission                            | < 43+10log10(P[Watts]) | PASS        | -   |
| 3.9            | §2.1055<br>§22.355                               | Frequency Stability for Temperature & Voltage | < 2.5 ppm for Part 22  | PASS        | -   |
|                | §2.1055<br>§24.235<br>§27.54                     |   | Within Authorized Band |             |   |
| 4.4            | §2.1053; §22.917(a);<br>§24.238(a); §27.53(h)    | Field Strength of Spurious Radiation          | < 43+10log10(P[Watts]) | PASS        | Under limit<br>34.37 dB at<br>5265.00 MHz |

**Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



# 1 General Description

## 1.1 Applicant

**VeriFone, Inc.**

1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

## 1.2 Manufacturer

**VeriFone, Inc.**

1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

## 1.3 Product Feature of Equipment Under Test

| Product Feature |   |
|-----------------|---|
| Equipment       | Point of Sale Terminal  |
| Brand Name      | Verifone & VERIFONE   |
| Model Name      | V660p-A, V660p Plus-A   |
| FCC ID          | B32V660PA   |
| IMEI Code       | Conducted: 356784410000664/356784410000672<br>Radiation: 356784410000144/356784410000151<br>356784410000227/356784410000235 |
| EUT Stage       | Identical Prototype   |

**Remark:**

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two samples under test, Sample 1 (V660p-A) is dual P-SIM sample, and Sample 2 (V660p Plus-A) is P-SIM + E-SIM sample. The difference does not affect RF features, full test Sample 1 for representative.

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |  |
|---|--|
| <b>Tx Frequency</b>                     | <b>WCDMA:</b><br>Band V: 824 MHz ~ 849 MHz<br>Band II: 1850 MHz ~ 1910 MHz<br>Band IV: 1710 MHz ~ 1755 MHz |
| <b>Rx Frequency</b>                     | <b>WCDMA:</b><br>Band V: 869 MHz ~ 894 MHz<br>Band II: 1930 MHz ~ 1990 MHz<br>Band IV: 2110 MHz ~ 2155 MHz |
| <b>Maximum Output Power to Antenna</b>  | <b>WCDMA:</b><br>Band V: 24.09 dBm<br>Band II: 23.45 dBm<br>Band IV: 23.32 dBm                             |
| <b>Antenna Type</b>                     | Loop Antenna   |
| <b>Antenna Gain</b>                     | Cellular Band: 0.4 dBi<br>PCS Band: 0.36 dBi<br>AWS Band: -1.08 dBi  |
| <b>Type of Modulation</b>               | WCDMA: BPSK<br>HSDPA: QPSK<br>HSUPA: QPSK  |

## 1.5 Modification of EUT

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

## 1.6 Maximum ERP/EIRP Power, and Emission Designator

| FCC Rule | Frequency Band | Frequency Range (MHz) | Type of Modulation | Maximum ERP/EIRP (W) | Emission Designator |
|----------|----------------|-----------------------|--------------------|----------------------|---------------------|
| Part 22  | WCDMA Band V   | 826.4 ~ 846.6         | BPSK               | 0.1714               | 4M15F9W             |
| Part 24  | WCDMA Band II  | 1852.4 ~ 1907.6       | BPSK               | 0.2404               | 4M13F9W             |
| Part 27  | WCDMA Band IV  | 1712.4 ~ 1752.6       | BPSK               | 0.1675               | 4M14F9W             |

## 1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

|                    |  |                     |                                |
|--------------------|--|---------------------|--------------------------------|
| Test Firm          | Sporton International Inc. (Kunshan)   |                     |                                |
| Test Site Location | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                     |                                |
| Test Site No.      | Sporton Site No.   | FCC Designation No. | FCC Test Firm Registration No. |
|                    | 03CH04-KS<br>TH01-KS   | CN1257              | 314309                         |

## 1.8 Test Software

| Item | Site      | Manufacturer | Name                      | Version |
|------|-----------|--------------|---------------------------|---------|
| 1.   | TH01-KS   | SPORTON      | Part2224_Ver5.0<br>200330 | 5.0     |
| 2.   | 03CH04-KS | AUDIX        | E3                        | 210616  |

## 1.9 Applicable Standards

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

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

### Remark:

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



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

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

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

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

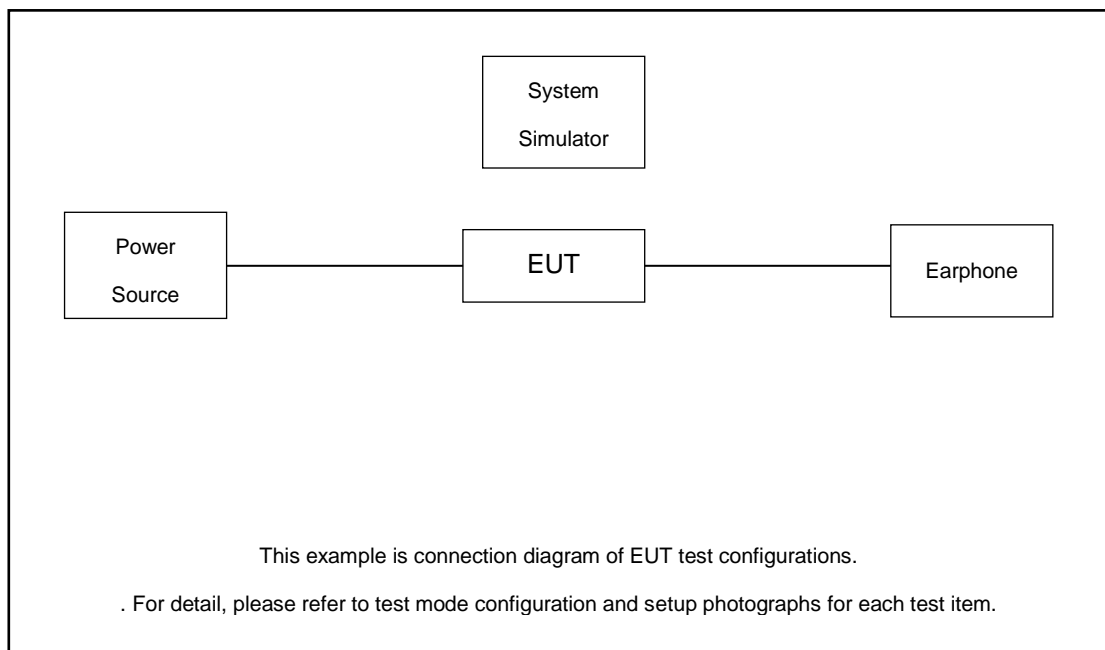
All modes and data rates and positions were investigated.

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

| Test Modes    |                     |                     |
|---------------|---------------------|---------------------|
| Band          | Radiated TCs        | Conducted TCs       |
| WCDMA Band V  | ■ RMC 12.2Kbps Link | ■ RMC 12.2Kbps Link |
| WCDMA Band II | ■ RMC 12.2Kbps Link | ■ RMC 12.2Kbps Link |
| WCDMA Band IV | ■ RMC 12.2Kbps Link | ■ RMC 12.2Kbps Link |



## 2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

## 2.3 Support Unit used in test configuration

| Item | Equipment        | Trade Name | Model No. | FCC ID | Data Cable | Power Cord        |
|------|------------------|------------|-----------|--------|------------|-------------------|
| 1.   | System Simulator | R&S        | CMU 200   | N/A    | N/A        | Unshielded, 1.8 m |
| 2.   | System Simulator | Agilent    | E5515C    | 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 4.6 dB and a 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.6 + 10 = 14.6 \text{ (dB)} \end{aligned}$$

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

| Frequency List   |                        |        |        |         |
|------------------|------------------------|--------|--------|---------|
| Band             | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| WCDMA<br>Band V  | Channel                | 4132   | 4182   | 4233    |
|                  | Frequency              | 826.4  | 836.4  | 846.6   |
| WCDMA<br>Band II | Channel                | 9262   | 9400   | 9538    |
|                  | Frequency              | 1852.4 | 1880.0 | 1907.6  |
| WCDMA<br>Band IV | Channel                | 1312   | 1413   | 1513    |
|                  | Frequency              | 1712.4 | 1732.6 | 1752.6  |

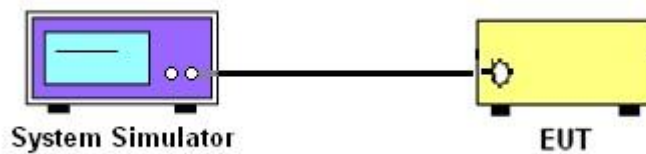
### 3 Conducted Test Result

#### 3.1 Measuring Instruments

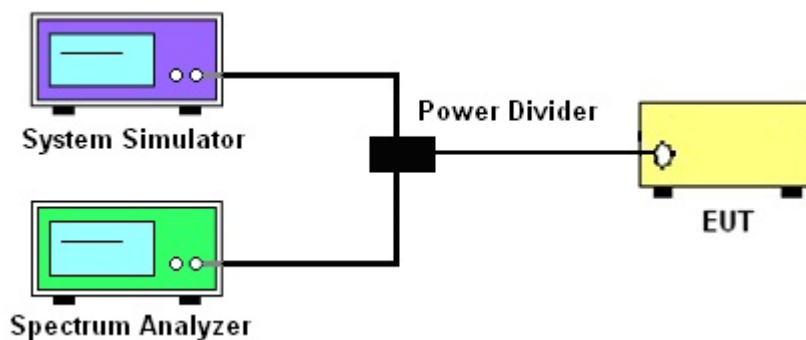
See list of measuring instruments of this test report.

#### 3.2 Test Setup

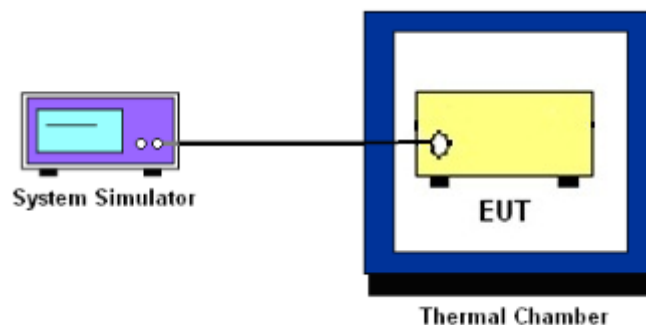
##### 3.2.1 Conducted Output Power



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



##### 3.2.3 Frequency Stability



#### 3.3 Test Result of Conducted Test

Please refer to Appendix A.

### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 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 WCDMA Band V.

The EIRP of mobile transmitters must not exceed 2 Watts for 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

#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.



## **3.5 Peak-to-Average Ratio**

### **3.5.1 Description of the PAR Measurement**

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

### **3.5.2 Test Procedures**

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

## 3.6 99% Occupied Bandwidth and 26dB Bandwidth Measurement

### 3.6.1 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.

### 3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. 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.
5. Set the detection mode to peak, and the trace mode to max hold.
6. 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)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. 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.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

## 3.7 Conducted Band Edge

### 3.7.1 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.

### 3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. 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.
4. The band edges of low and high channels for the highest RF powers were measured.
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)

### 3.8 Conducted Spurious Emission

#### 3.8.1 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.

#### 3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. 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.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)



### 3.9 Frequency Stability

#### 3.9.1 Description of Frequency Stability Measurement

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

#### 3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. 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.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step 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.

#### 3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

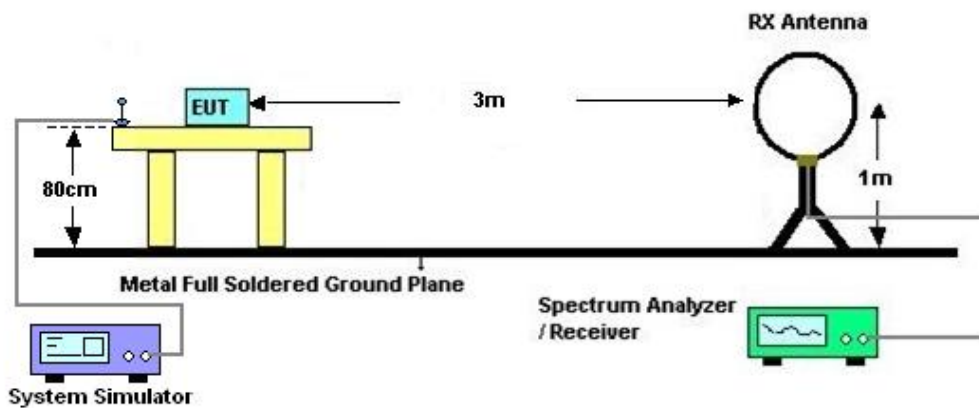
## 4 Radiated Test Items

### 4.1 Measuring Instruments

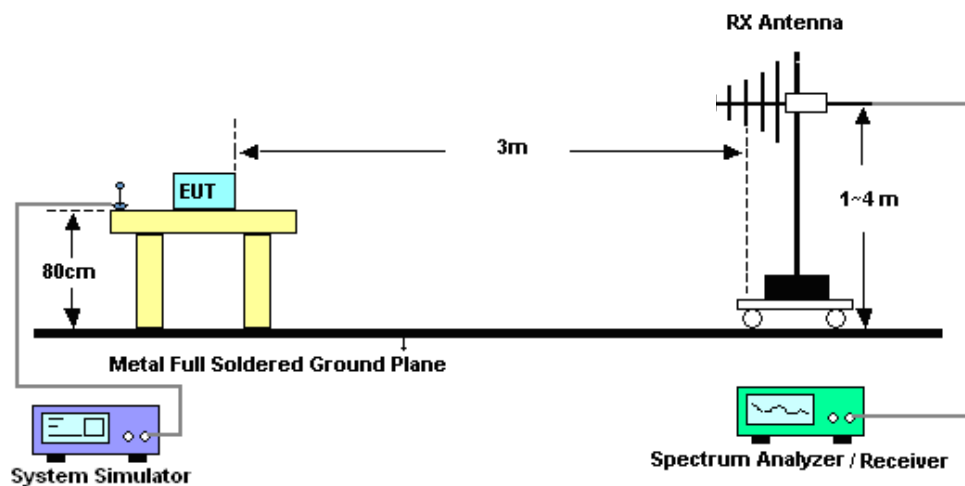
See list of measuring instruments of this test report.

### 4.2 Test Setup

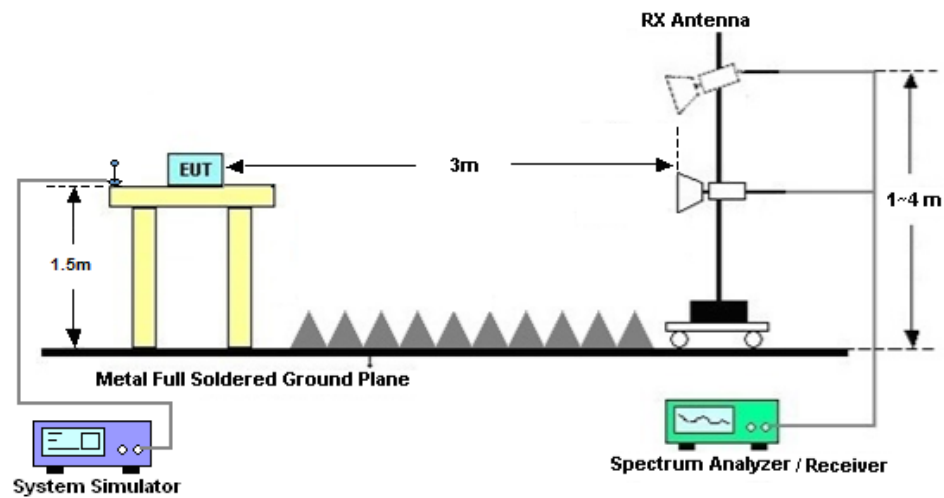
#### 4.2.1 For radiated test below 30MHz



#### 4.2.2 For radiated test from 30MHz to 1GHz



#### 4.2.3 For radiated test above 1GHz



#### 4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

## 4.4 Field Strength of Spurious Radiation Measurement

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

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

### 4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz above the ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. 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.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
12.  $ERP \text{ (dBm)} = EIRP - 2.15$
13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
14. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)



## 5 List of Measuring Equipment

| Instrument                     | Manufacturer | Model No.   | Serial No.  | Characteristics         | Calibration Date | Test Date     | Due Date      | Remark                |
|--------------------------------|--------------|-------------|-------------|-------------------------|------------------|---------------|---------------|-----------------------|
| Spectrum Analyzer              | R&S          | FSV40       | 101040      | 10Hz~40GHz              | Oct. 11, 2023    | May 31, 2024  | Oct. 10, 2024 | Conducted (TH01-KS)   |
| Power divider                  | STI          | STI08-0055  | -           | 0.5~40GHz               | NCR              | May 31, 2024  | NCR           | Conducted (TH01-KS)   |
| Temperature & humidity chamber | Hongzhan     | LP-150U     | H2014011440 | -40~+150°C<br>20%~95%RH | Jul. 06, 2023    | May 31, 2024  | Jul. 05, 2024 | Conducted (TH01-KS)   |
| EXA Spectrum Analyzer          | Keysight     | N9010B      | MY57471079  | 10Hz~44G,MAX 30dB       | Oct. 10, 2023    | Jun. 04, 2024 | Oct. 09, 2024 | Radiation (03CH04-KS) |
| Loop Antenna                   | R&S          | HFH2-Z2E    | 101125      | 9kHz~30MHz              | Sep. 11 2023     | Jun. 04, 2024 | Sep. 10, 2024 | Radiation (03CH04-KS) |
| Bilog Antenna                  | TeseQ        | CBL6111D    | 59913       | 30MHz-1GHz              | Aug. 19, 2023    | Jun. 04, 2024 | Aug. 18, 2024 | Radiation (03CH04-KS) |
| Double Ridge Horn Antenna      | ETS-Lindgren | 3117        | 00251694    | 1GHz~18GHz              | Jul. 12, 2023    | Jun. 04, 2024 | Jul. 11, 2024 | Radiation (03CH04-KS) |
| SHF-EHF Horn                   | Com-power    | AH-840      | 101070      | 18GHz~40GHz             | Jan. 05, 2024    | Jun. 04, 2024 | Jan. 04, 2025 | Radiation (03CH04-KS) |
| Amplifier                      | SONOMA       | 310N        | 380827      | 9KHz-1GHz               | Jul. 06, 2023    | Jun. 04, 2024 | Jul. 05, 2024 | Radiation (03CH04-KS) |
| Amplifier                      | MITEQ        | EM18G40G GA | 060728      | 18~40GHz                | Jan. 05, 2024    | Jun. 04, 2024 | Jan. 04, 2025 | Radiation (03CH04-KS) |
| high gain Amplifier            | EM           | EM01G18G A  | 060840      | 1Ghz-18Ghz              | Oct. 10, 2023    | Jun. 04, 2024 | Oct. 09, 2024 | Radiation (03CH04-KS) |
| Amplifier                      | Agilent      | 8449B       | 3008A02370  | 1Ghz-18Ghz              | Oct. 10, 2023    | Jun. 04, 2024 | Oct. 09, 2024 | Radiation (03CH04-KS) |
| AC Power Source                | Chroma       | 61601       | F104090004  | N/A                     | NCR              | Jun. 04, 2024 | NCR           | Radiation (03CH04-KS) |
| Turn Table                     | ChamPro      | EM 1000-T   | 060762-T    | 0~360 degree            | NCR              | Jun. 04, 2024 | NCR           | Radiation (03CH04-KS) |
| Antenna Mast                   | ChamPro      | EM 1000-A   | 060762-A    | 1 m~4 m                 | NCR              | Jun. 04, 2024 | NCR           | Radiation (03CH04-KS) |

NCR: No Calibration Required.

## 6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement

|  |          |
|--|----------|
| Conducted Spurious Emission & Bandedge | ±2.26 dB |
| Occupied Channel Bandwidth             | ±0.1%    |
| Conducted Power                        | ±0.46 dB |
| Peak to Average Ratio                  | ±0.46 dB |
| Frequency Stability                    | ±0.4 Hz  |

### Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

|   |         |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | ±2.83dB |
|---|---------|

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

|   |         |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | ±2.83dB |
|---|---------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

|   |          |
|---|----------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | ±2.82 dB |
|---|----------|

----- THE END -----



## Appendix A. Test Results of Conducted Test

|                 |            |                     |         |
|-----------------|------------|---------------------|---------|
| Test Engineer : | Smile Wang | Temperature :       | 22~23°C |
|                 |            | Relative Humidity : | 40~42%  |

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

| Band            |                 | WCDMA V |       |       | ERP(W) |        |        |
|-----------------|-----------------|---------|-------|-------|--------|--------|--------|
| TX Channel      |                 | 4132    | 4182  | 4233  |        |        |        |
| Rx Channel      |                 | 4357    | 4407  | 4458  |        |        |        |
| Frequency (MHz) |                 | 826.4   | 836.4 | 846.6 | L      | M      | H      |
| 3GPP Rel 99     | AMR 12.2Kbps    | 24.01   | 24.05 | 23.98 | 0.1683 | 0.1698 | 0.1671 |
| 3GPP Rel 99     | RMC 12.2Kbps    | 24.04   | 24.09 | 24.02 | 0.1694 | 0.1714 | 0.1687 |
| 3GPP Rel 6      | HSDPA Subtest-1 | 22.97   | 23.04 | 23.11 | 0.1324 | 0.1346 | 0.1368 |
| 3GPP Rel 6      | HSDPA Subtest-2 | 23.12   | 23.14 | 22.97 | 0.1371 | 0.1377 | 0.1324 |
| 3GPP Rel 6      | HSDPA Subtest-3 | 22.60   | 22.68 | 22.61 | 0.1216 | 0.1239 | 0.1219 |
| 3GPP Rel 6      | HSDPA Subtest-4 | 22.48   | 22.52 | 22.55 | 0.1183 | 0.1194 | 0.1202 |
| 3GPP Rel 6      | HSUPA Subtest-1 | 22.94   | 23.02 | 23.10 | 0.1315 | 0.1340 | 0.1365 |
| 3GPP Rel 6      | HSUPA Subtest-2 | 21.06   | 21.07 | 20.97 | 0.0853 | 0.0855 | 0.0836 |
| 3GPP Rel 6      | HSUPA Subtest-3 | 21.94   | 22.00 | 21.90 | 0.1045 | 0.1059 | 0.1035 |
| 3GPP Rel 6      | HSUPA Subtest-4 | 21.14   | 21.05 | 21.07 | 0.0869 | 0.0851 | 0.0855 |
| 3GPP Rel 6      | HSUPA Subtest-5 | 23.10   | 23.15 | 23.12 | 0.1365 | 0.1380 | 0.1371 |

| Band            |                 | WCDMA IV |        |        | EIRP(W) |        |        |
|-----------------|-----------------|----------|--------|--------|---------|--------|--------|
| TX Channel      |                 | 1312     | 1413   | 1513   |         |        |        |
| Rx Channel      |                 | 1537     | 1638   | 1738   |         |        |        |
| Frequency (MHz) |                 | 1712.4   | 1732.6 | 1752.6 | L       | M      | H      |
| 3GPP Rel 99     | AMR 12.2Kbps    | 23.21    | 23.28  | 23.27  | 0.1633  | 0.1660 | 0.1656 |
| 3GPP Rel 99     | RMC 12.2Kbps    | 23.24    | 23.32  | 23.31  | 0.1644  | 0.1675 | 0.1671 |
| 3GPP Rel 6      | HSDPA Subtest-1 | 22.18    | 22.41  | 22.36  | 0.1288  | 0.1358 | 0.1343 |
| 3GPP Rel 6      | HSDPA Subtest-2 | 22.32    | 22.26  | 22.26  | 0.1330  | 0.1312 | 0.1312 |
| 3GPP Rel 6      | HSDPA Subtest-3 | 21.82    | 21.92  | 21.82  | 0.1186  | 0.1213 | 0.1186 |
| 3GPP Rel 6      | HSDPA Subtest-4 | 21.72    | 21.87  | 21.82  | 0.1159  | 0.1199 | 0.1186 |
| 3GPP Rel 6      | HSUPA Subtest-1 | 22.33    | 22.23  | 22.32  | 0.1334  | 0.1303 | 0.1330 |
| 3GPP Rel 6      | HSUPA Subtest-2 | 20.18    | 20.40  | 20.21  | 0.0813  | 0.0855 | 0.0818 |
| 3GPP Rel 6      | HSUPA Subtest-3 | 21.24    | 21.32  | 21.41  | 0.1038  | 0.1057 | 0.1079 |
| 3GPP Rel 6      | HSUPA Subtest-4 | 20.21    | 20.25  | 20.30  | 0.0818  | 0.0826 | 0.0836 |
| 3GPP Rel 6      | HSUPA Subtest-5 | 22.17    | 22.26  | 22.39  | 0.1285  | 0.1312 | 0.1352 |



| Band            |                 | WCDMA II |       |        | EIRP(W) |        |        |
|-----------------|-----------------|----------|-------|--------|---------|--------|--------|
| TX Channel      |                 | 9262     | 9400  | 9538   |         |        |        |
| Rx Channel      |                 | 9662     | 9800  | 9938   |         |        |        |
| Frequency (MHz) |                 | 1852.4   | 1880  | 1907.6 | L       | M      | H      |
| 3GPP Rel 99     | AMR 12.2Kbps    | 23.35    | 23.41 | 23.28  | 0.2350  | 0.2382 | 0.2312 |
| 3GPP Rel 99     | RMC 12.2Kbps    | 23.37    | 23.45 | 23.31  | 0.2360  | 0.2404 | 0.2328 |
| 3GPP Rel 6      | HSDPA Subtest-1 | 22.45    | 22.42 | 22.31  | 0.1910  | 0.1897 | 0.1849 |
| 3GPP Rel 6      | HSDPA Subtest-2 | 22.45    | 22.44 | 22.19  | 0.1910  | 0.1905 | 0.1799 |
| 3GPP Rel 6      | HSDPA Subtest-3 | 21.89    | 21.98 | 21.72  | 0.1679  | 0.1714 | 0.1614 |
| 3GPP Rel 6      | HSDPA Subtest-4 | 21.88    | 21.87 | 21.80  | 0.1675  | 0.1671 | 0.1644 |
| 3GPP Rel 6      | HSUPA Subtest-1 | 22.48    | 22.36 | 22.30  | 0.1923  | 0.1871 | 0.1845 |
| 3GPP Rel 6      | HSUPA Subtest-2 | 20.44    | 20.48 | 20.26  | 0.1202  | 0.1213 | 0.1153 |
| 3GPP Rel 6      | HSUPA Subtest-3 | 21.43    | 21.40 | 21.28  | 0.1510  | 0.1500 | 0.1459 |
| 3GPP Rel 6      | HSUPA Subtest-4 | 20.40    | 20.44 | 20.23  | 0.1191  | 0.1202 | 0.1146 |
| 3GPP Rel 6      | HSUPA Subtest-5 | 22.29    | 22.48 | 22.34  | 0.1841  | 0.1923 | 0.1862 |





## 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  | 2.96         | 2.96          | 2.75          | PASS        |
| Middle CH  | 2.90         | 2.99          | 2.70          |             |
| Highest CH | 2.58         | 2.87          | 2.41          |             |



WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



Date: 31.MAY.2024 18:48:20

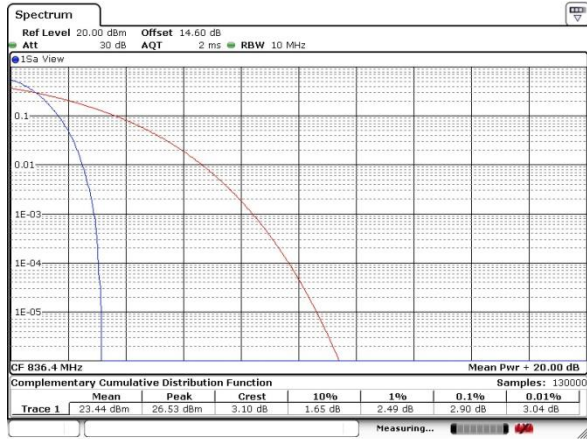
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



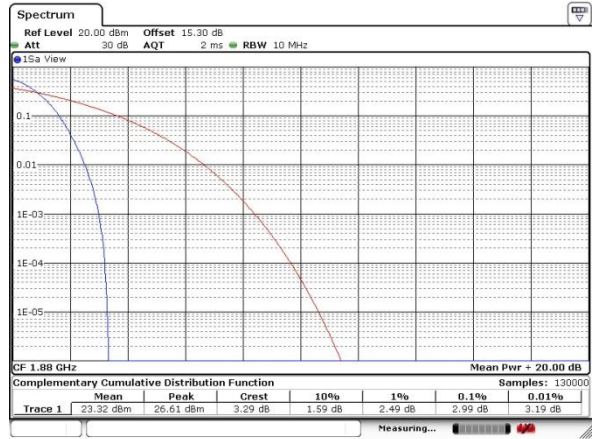
Date: 31.MAY.2024 17:38:29

Middle Channel



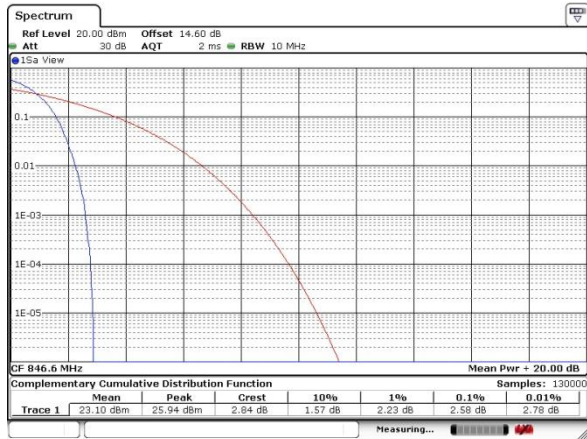
Date: 31.MAY.2024 18:48:41

Middle Channel



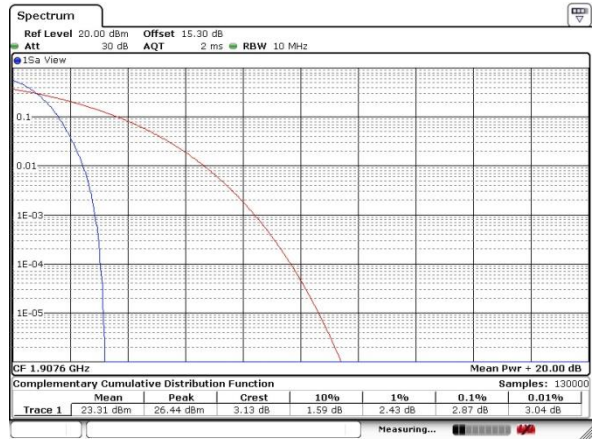
Date: 31.MAY.2024 17:38:43

Highest Channel



Date: 31.MAY.2024 18:48:55

Highest Channel

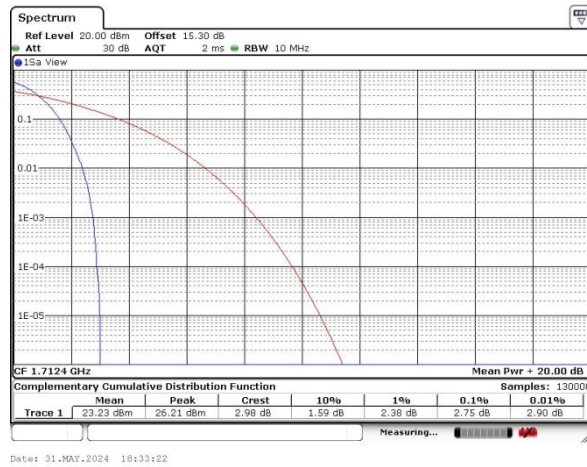


Date: 31.MAY.2024 17:38:58

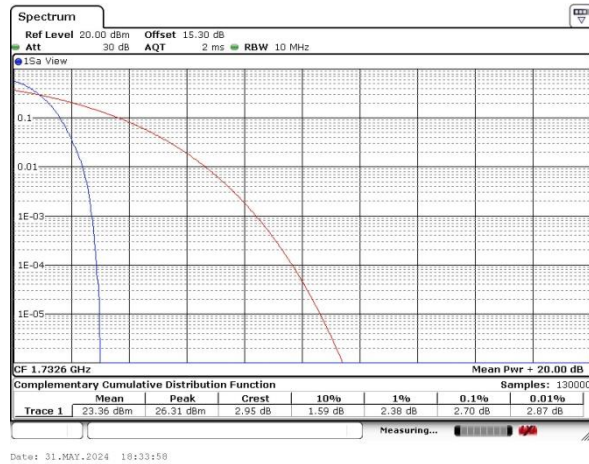


WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



Middle Channel



Highest Channel



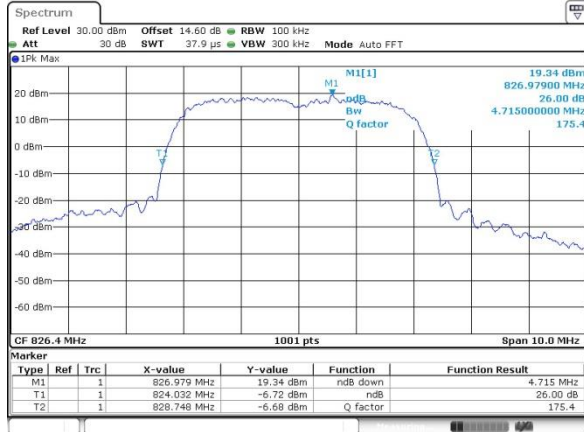
**26dB Bandwidth**

| Mode       | WCDMA Band V | WCDMA Band II | WCDMA Band IV |
|------------|--------------|---------------|---------------|
| Mod.       | RMC 12.2Kbps | RMC 12.2Kbps  | RMC 12.2Kbps  |
| Lowest CH  | 4.715        | 4.685         | 4.705         |
| Middle CH  | 4.725        | 4.715         | 4.715         |
| Highest CH | 4.755        | 4.725         | 4.725         |



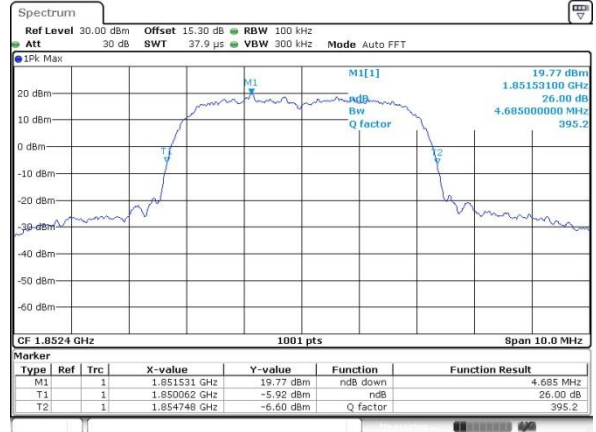
## WCDMA Band V (RMC 12.2Kbps)

## Lowest Channel

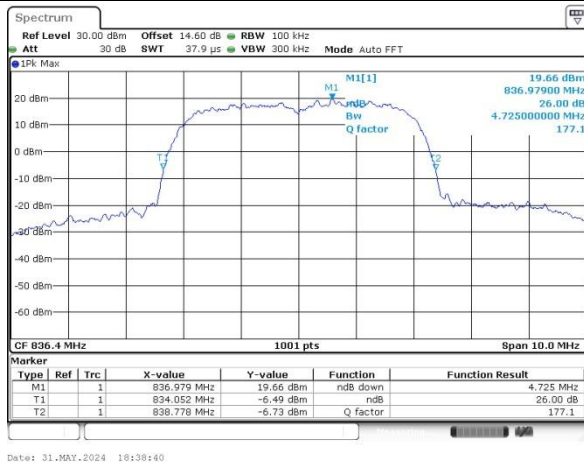


## WCDMA Band II (RMC 12.2Kbps)

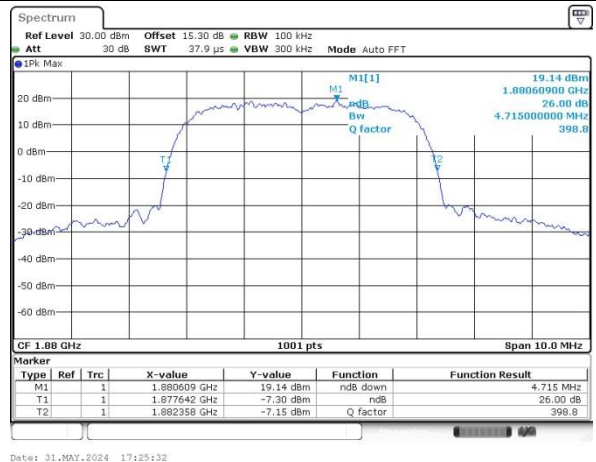
## Lowest Channel



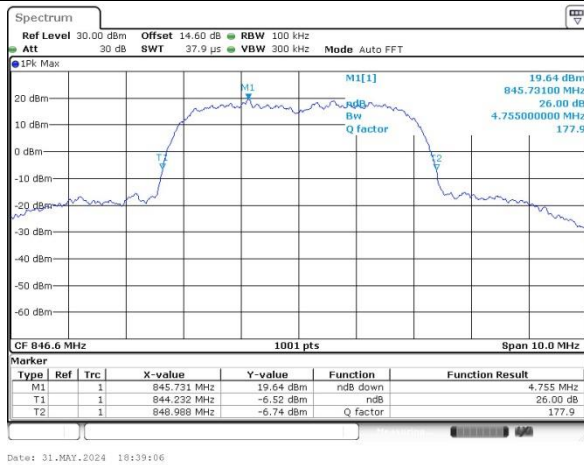
## Middle Channel



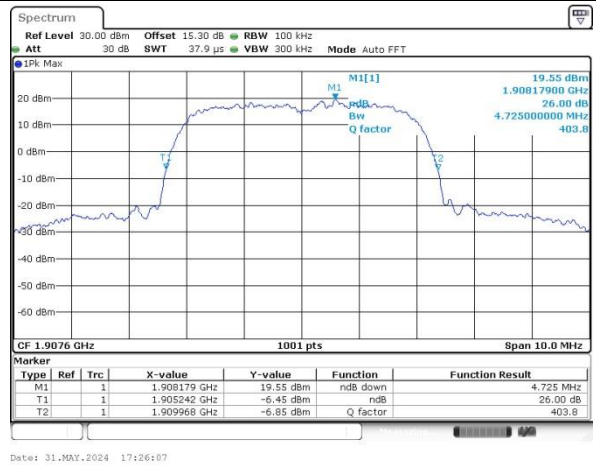
## Middle Channel



## Highest Channel



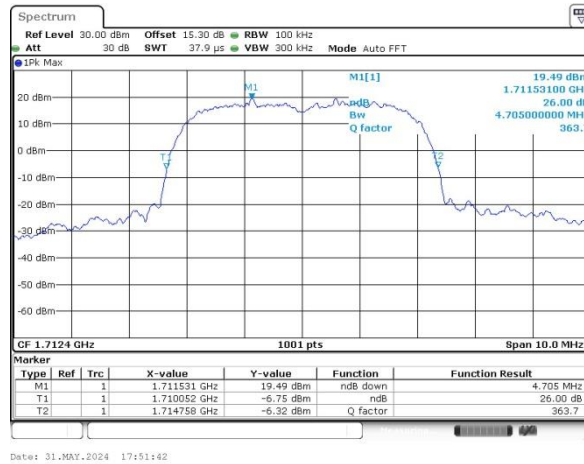
## Highest Channel



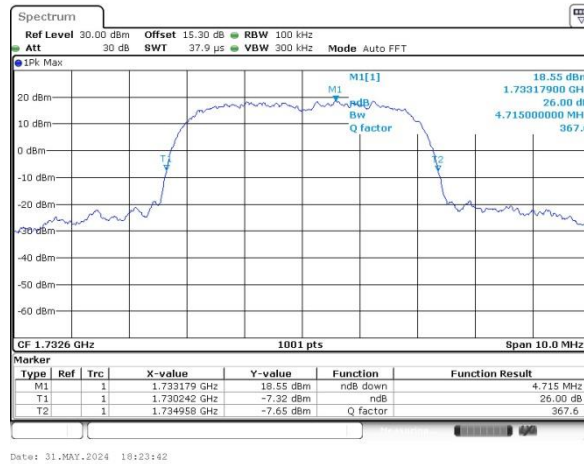


## WCDMA Band IV (RMC 12.2Kbps)

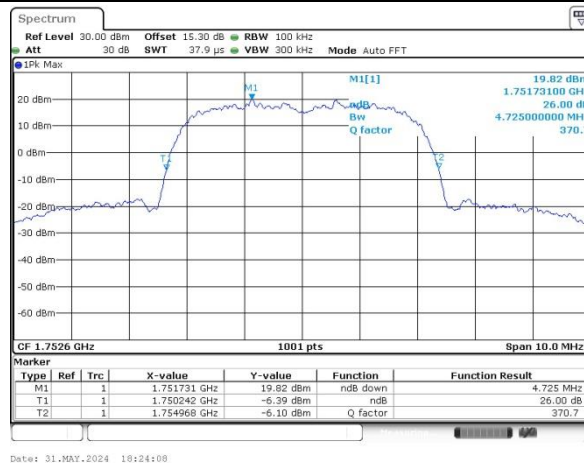
## Lowest Channel



## Middle Channel



## Highest Channel



**Occupied Bandwidth**

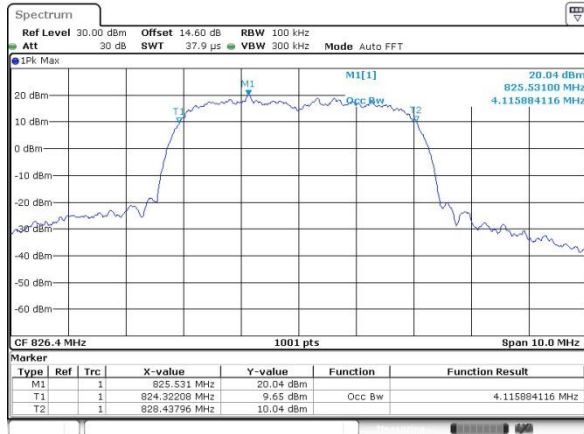
| Mode       | WCDMA Band V | WCDMA Band II | WCDMA Band IV |
|------------|--------------|---------------|---------------|
| Mod.       | RMC 12.2Kbps | RMC 12.2Kbps  | RMC 12.2Kbps  |
| Lowest CH  | 4.115        | 4.105         | 4.105         |
| Middle CH  | 4.125        | 4.125         | 4.115         |
| Highest CH | 4.145        | 4.125         | 4.135         |





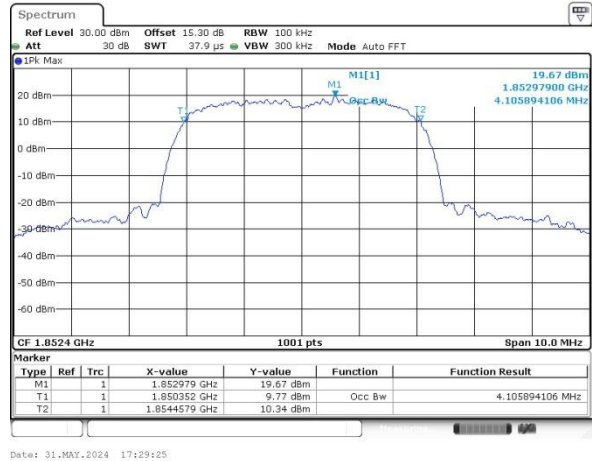
## WCDMA Band V (RMC 12.2Kbps)

## Lowest Channel

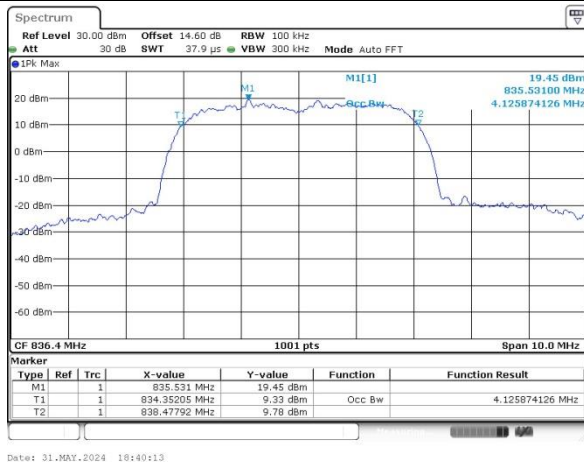


## WCDMA Band II (RMC 12.2Kbps)

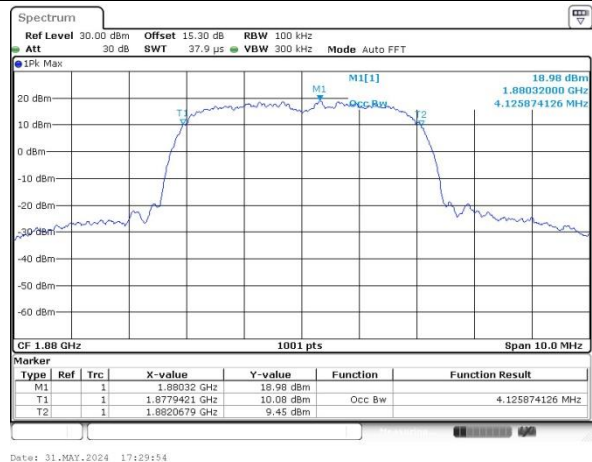
## Lowest Channel



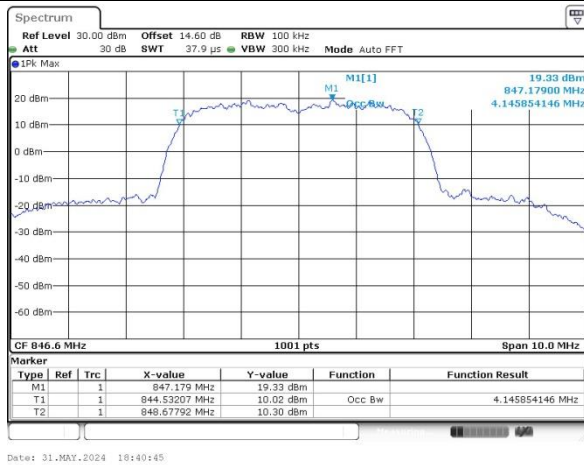
## Middle Channel



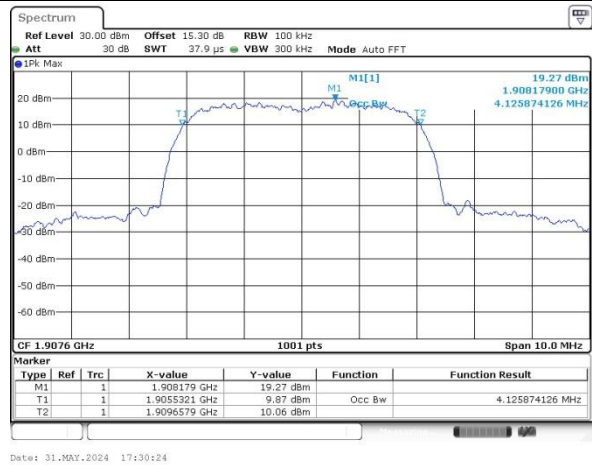
## Middle Channel



## Highest Channel



## Highest Channel

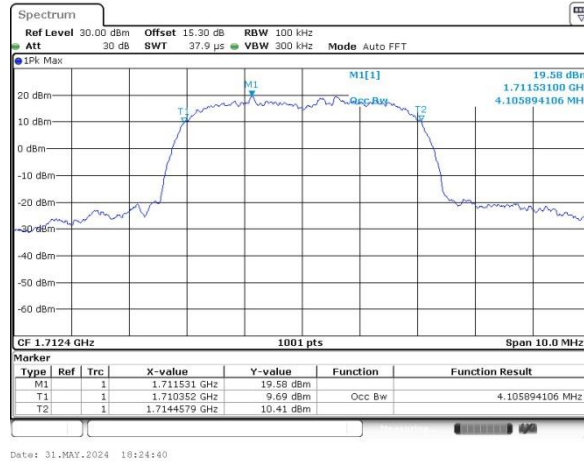




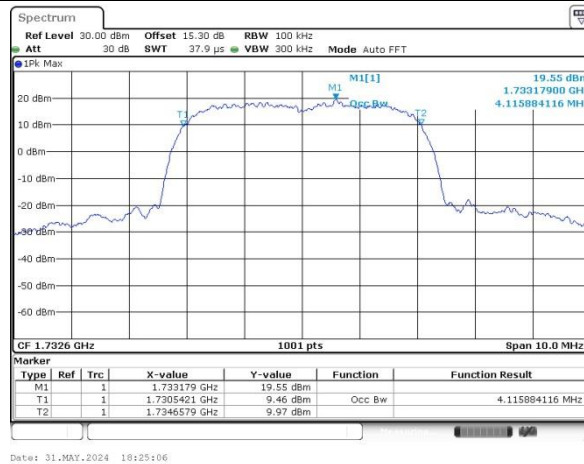


## WCDMA Band IV (RMC 12.2Kbps)

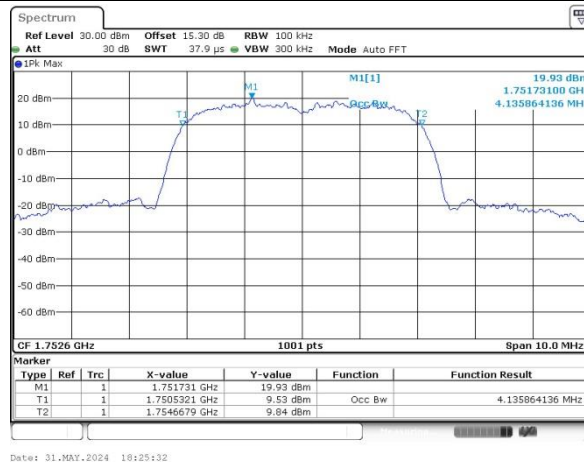
### Lowest Channel



### Middle Channel



### Highest Channel

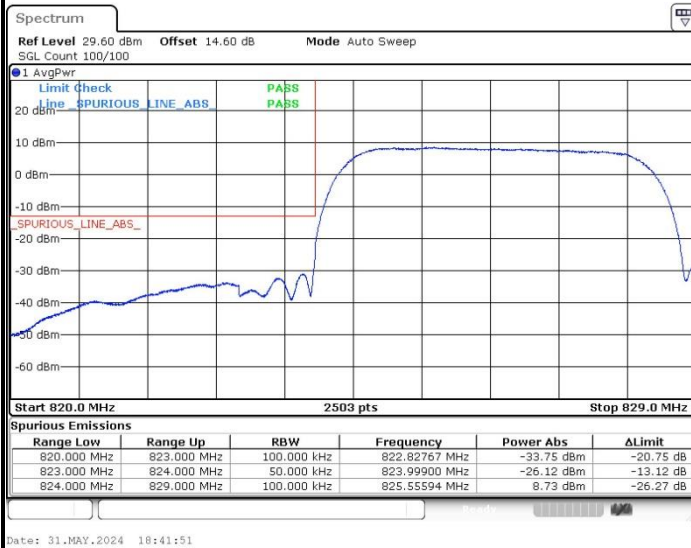




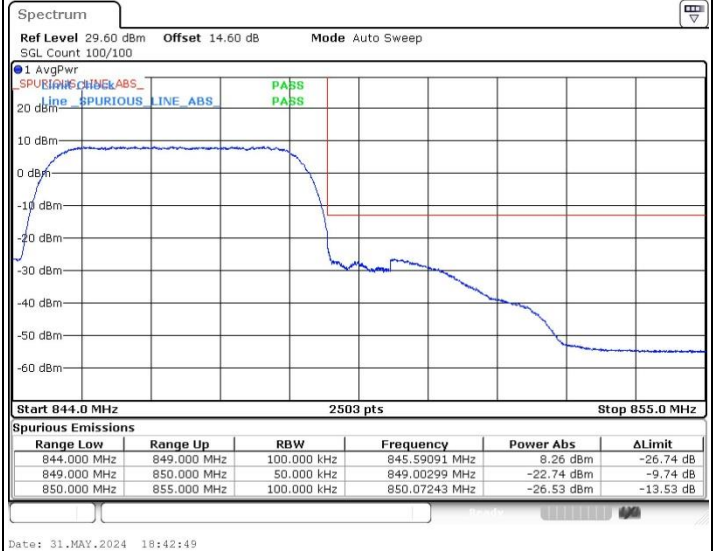
## Conducted Band Edge

### WCDMA Band V (RMC 12.2Kbps)

#### Lowest Band Edge

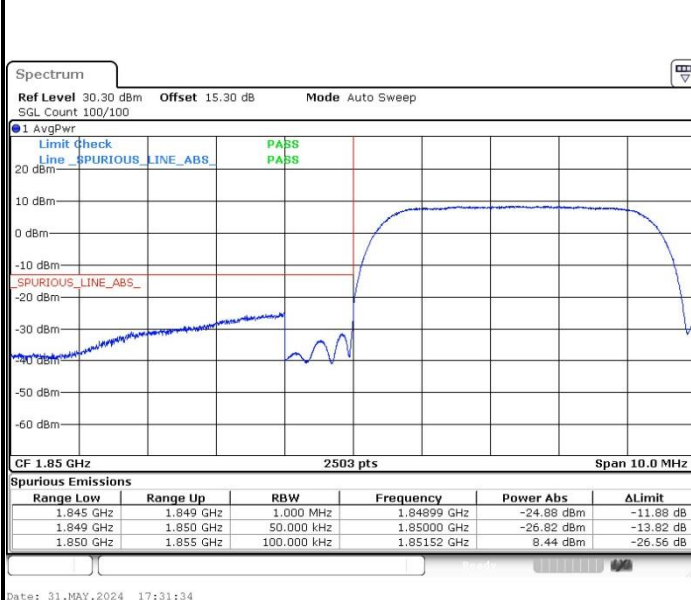


#### Highest Band Edge



### WCDMA Band II (RMC 12.2Kbps)

#### Lowest Band Edge



#### Highest Band Edge

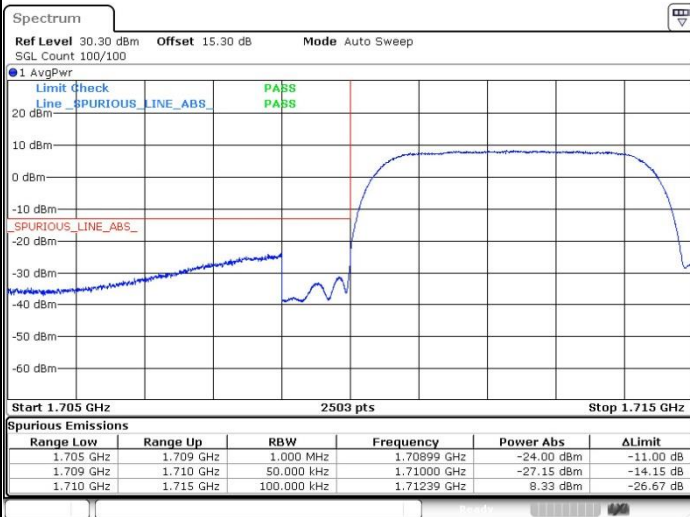




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 31.MAY.2024 18:26:36



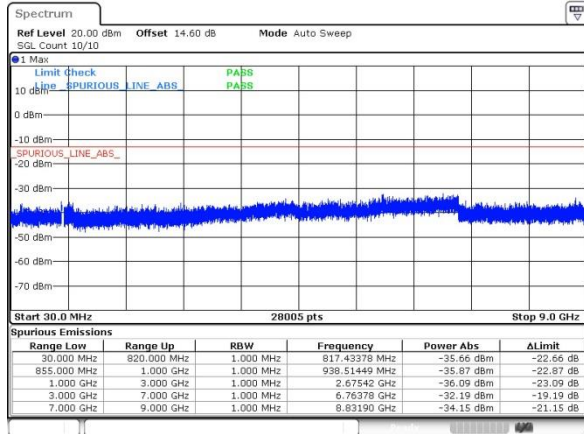
Date: 31.MAY.2024 18:27:35



# Conducted Spurious Emission

## WCDMA Band V (RMC 12.2Kbps)

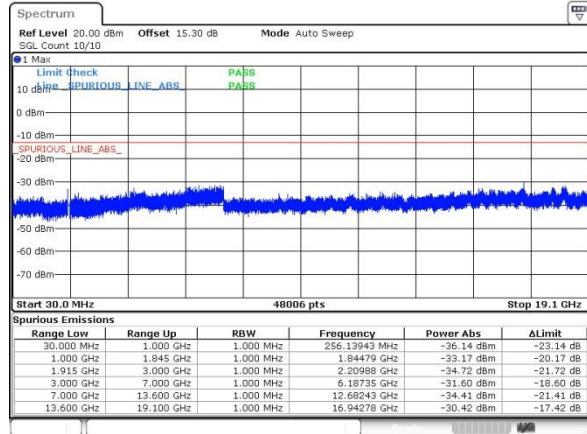
### Lowest Channel



Date: 31.MAY.2024 18:44:11

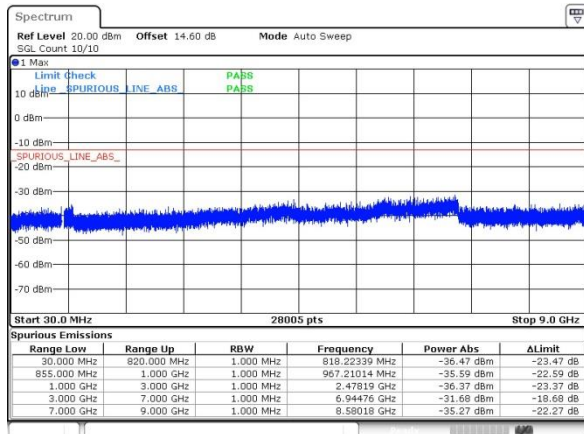
## WCDMA Band II (RMC 12.2Kbps)

### Lowest Channel



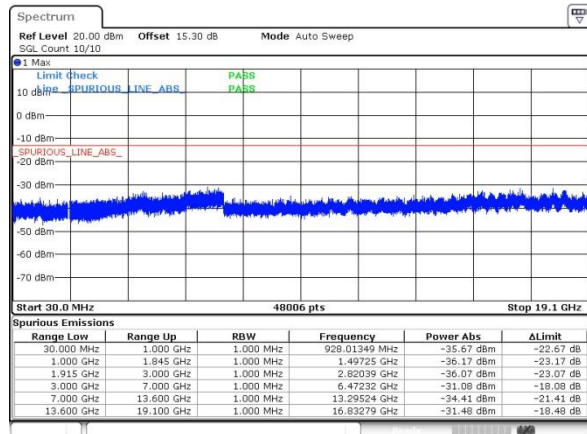
Date: 31.MAY.2024 17:34:01

### Middle Channel



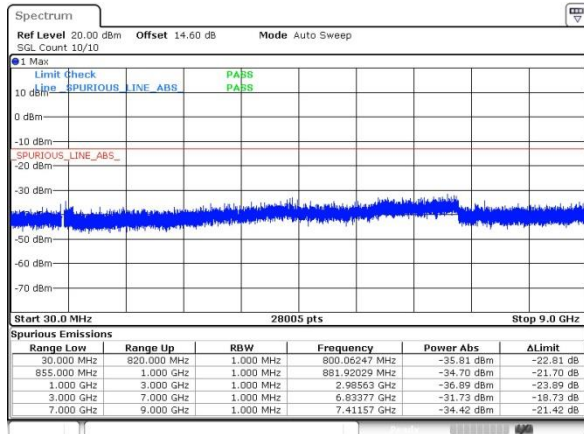
Date: 31.MAY.2024 18:45:09

### Middle Channel



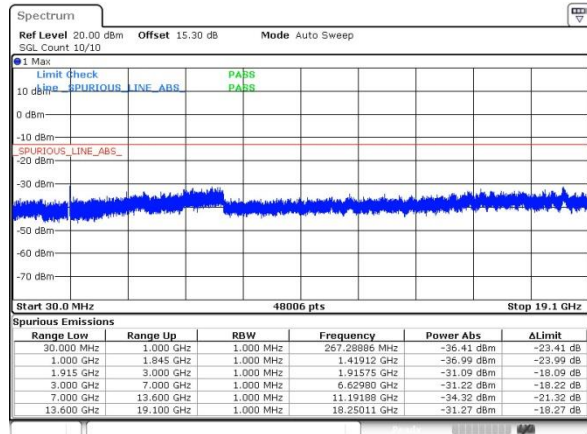
Date: 31.MAY.2024 17:35:20

### Highest Channel



Date: 31.MAY.2024 18:46:25

### Highest Channel

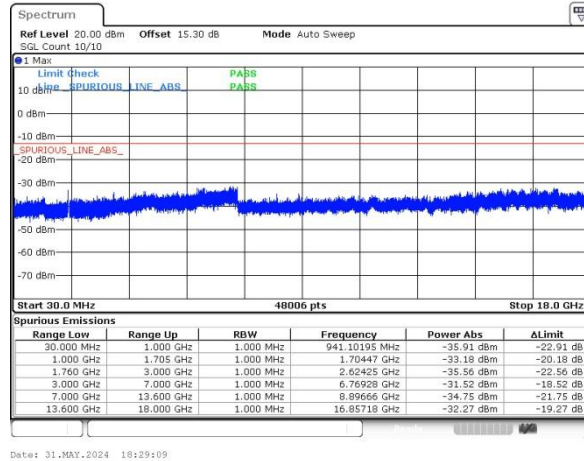


Date: 31.MAY.2024 17:36:31

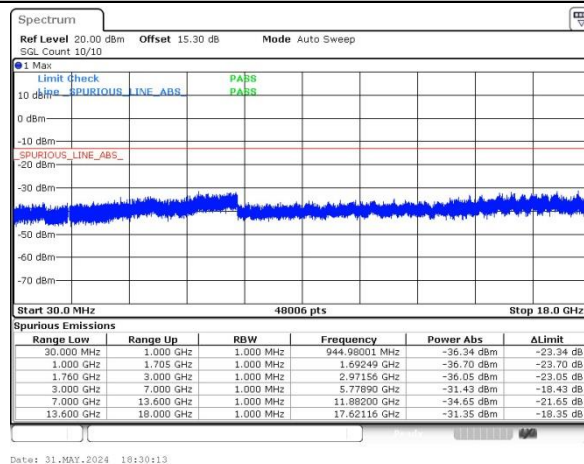


## WCDMA Band IV (RMC 12.2Kbps)

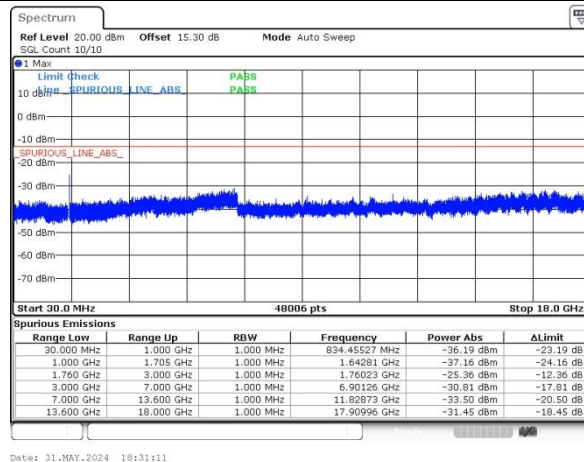
## Lowest Channel



## Middle Channel



## Highest Channel



**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    | 0.0058                         | PASS            |
| 40               | Normal Voltage    | 0.0377                         |                 |
| 30               | Normal Voltage    | 0.0485                         |                 |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |                 |
| 10               | Normal Voltage    | 0.0069                         |                 |
| 0                | Normal Voltage    | 0.0344                         |                 |
| -10              | Normal Voltage    | 0.0063                         |                 |
| -20              | Normal Voltage    | 0.0141                         |                 |
| -30              | Normal Voltage    | 0.0325                         |                 |
| 20               | Maximum Voltage   | 0.0418                         |                 |
| 20               | Normal Voltage    | 0.0176                         |                 |
| 20               | Battery End Point | 0.0063                         |                 |

| Test Conditions  | Middle Channel    | WCDMA Band II<br>(RMC 12.2Kbps) | Limit<br>Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt)    | Deviation (ppm)                 | Result           |
| 50               | Normal Voltage    | 0.0169                          | PASS             |
| 40               | Normal Voltage    | 0.0136                          |                  |
| 30               | Normal Voltage    | 0.0144                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0155                          |                  |
| 0                | Normal Voltage    | 0.0136                          |                  |
| -10              | Normal Voltage    | 0.0247                          |                  |
| -20              | Normal Voltage    | 0.0072                          |                  |
| -30              | Normal Voltage    | 0.0169                          |                  |
| 20               | Maximum Voltage   | 0.0162                          |                  |
| 20               | Normal Voltage    | 0.0128                          |                  |
| 20               | Battery End Point | 0.0019                          |                  |

| 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    | 0.0048                          | PASS             |
| 40               | Normal Voltage    | 0.0146                          |                  |
| 30               | Normal Voltage    | 0.0003                          |                  |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |                  |
| 10               | Normal Voltage    | 0.0017                          |                  |
| 0                | Normal Voltage    | 0.0044                          |                  |
| -10              | Normal Voltage    | 0.0172                          |                  |
| -20              | Normal Voltage    | 0.0163                          |                  |
| -30              | Normal Voltage    | 0.0061                          |                  |
| 20               | Maximum Voltage   | 0.0028                          |                  |
| 20               | Normal Voltage    | 0.0029                          |                  |
| 20               | Battery End Point | 0.0118                          |                  |

**Note:**

1. Normal Voltage = 7.2V ; Battery End Point (BEP) =6.6V. ; Maximum Voltage =8.26V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |      |                     |         |
|-----------------|------|---------------------|---------|
| Test Engineer : | Jake | Temperature :       | 23~25°C |
|                 |      | Relative Humidity : | 41~42%  |

| WCDMA Band V(RMC 12.2Kbps) |                      |                |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1656                 | -64.47         | -13              | -51.47                  | -71.44                   | 1.58                       | 10.70                       | H                     |
|                            | 2480                 | -61.21         | -13              | -48.21                  | -69.46                   | 2.102                      | 12.50                       | H                     |
|                            | 3304                 | -60.30         | -13              | -47.30                  | -69.19                   | 2.856                      | 13.90                       | H                     |
|                            | 1656                 | -63.56         | -13              | -50.56                  | -70.53                   | 1.58                       | 10.70                       | V                     |
|                            | 2480                 | -57.42         | -13              | -44.42                  | -65.67                   | 2.10                       | 12.50                       | V                     |
|                            | 3304                 | -60.17         | -13              | -47.17                  | -69.06                   | 2.86                       | 13.90                       | V                     |
| Middle                     | 1672                 | -63.81         | -13              | -50.81                  | -70.78                   | 1.58                       | 10.70                       | H                     |
|                            | 2512                 | -59.64         | -13              | -46.64                  | -67.89                   | 2.102                      | 12.50                       | H                     |
|                            | 3344                 | -59.77         | -13              | -46.77                  | -68.66                   | 2.856                      | 13.90                       | H                     |
|                            | 1672                 | -62.50         | -13              | -49.50                  | -69.47                   | 1.58                       | 10.70                       | V                     |
|                            | 2512                 | -59.14         | -13              | -46.14                  | -67.39                   | 2.10                       | 12.50                       | V                     |
|                            | 3344                 | -59.91         | -13              | -46.91                  | -68.80                   | 2.86                       | 13.90                       | V                     |
| Highest                    | 1696                 | -64.79         | -13              | -51.79                  | -71.76                   | 1.58                       | 10.70                       | H                     |
|                            | 2536                 | -59.74         | -13              | -46.74                  | -67.99                   | 2.102                      | 12.50                       | H                     |
|                            | 3384                 | -59.85         | -13              | -46.85                  | -68.74                   | 2.856                      | 13.90                       | H                     |
|                            | 1696                 | -63.59         | -13              | -50.59                  | -70.56                   | 1.58                       | 10.70                       | V                     |
|                            | 2536                 | -59.24         | -13              | -46.24                  | -67.49                   | 2.10                       | 12.50                       | V                     |
|                            | 3384                 | -60.09         | -13              | -47.09                  | -68.98                   | 2.86                       | 13.90                       | V                     |





| WCDMA Band II(RMC 12.2Kbps) |                      |                 |                  |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                      | 3705                 | -57.33          | -13              | -44.33                  | -69.59                   | 2.64                       | 14.90                       | H                     |
|                             | 5550                 | -48.79          | -13              | -35.79                  | -60.65                   | 2.94                       | 14.80                       | H                     |
|                             | 7410                 | -55.09          | -13              | -42.09                  | -64.86                   | 3.39                       | 13.16                       | H                     |
|                             | 3705                 | -57.09          | -13              | -44.09                  | -69.35                   | 2.64                       | 14.90                       | V                     |
|                             | 5550                 | -49.89          | -13              | -36.89                  | -61.75                   | 2.94                       | 14.80                       | V                     |
|                             | 7410                 | -54.94          | -13              | -41.94                  | -64.71                   | 3.39                       | 13.16                       | V                     |
| Middle                      | 3765                 | -56.75          | -13              | -43.75                  | -69.01                   | 2.64                       | 14.90                       | H                     |
|                             | 5640                 | -49.36          | -13              | -36.36                  | -61.22                   | 2.94                       | 14.80                       | H                     |
|                             | 7515                 | -54.38          | -13              | -41.38                  | -64.15                   | 3.39                       | 13.16                       | H                     |
|                             | 3765                 | -57.32          | -13              | -44.32                  | -69.58                   | 2.64                       | 14.90                       | V                     |
|                             | 5640                 | -52.67          | -13              | -39.67                  | -64.53                   | 2.94                       | 14.80                       | V                     |
|                             | 7515                 | -54.18          | -13              | -41.18                  | -63.95                   | 3.39                       | 13.16                       | V                     |
| Highest                     | 3810                 | -57.58          | -13              | -44.58                  | -69.84                   | 2.641                      | 14.90                       | H                     |
|                             | 5730                 | -49.68          | -13              | -36.68                  | -61.54                   | 2.94                       | 14.80                       | H                     |
|                             | 7635                 | -54.84          | -13              | -41.84                  | -64.61                   | 3.39                       | 13.16                       | H                     |
|                             | 3810                 | -57.35          | -13              | -44.35                  | -69.61                   | 2.64                       | 14.90                       | V                     |
|                             | 5730                 | -53.03          | -13              | -40.03                  | -64.89                   | 2.94                       | 14.80                       | V                     |
|                             | 7635                 | -54.82          | -13              | -41.82                  | -64.59                   | 3.39                       | 13.16                       | V                     |

| WCDMA Band IV(RMC 12.2Kbps) |                      |                 |                  |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                      | 3420                 | -58.58          | -13              | -45.58                  | -69.32                   | 2.604                      | 13.34                       | H                     |
|                             | 5130                 | -49.07          | -13              | -36.07                  | -59.58                   | 3.011                      | 13.52                       | H                     |
|                             | 6855                 | -54.67          | -13              | -41.67                  | -64.87                   | 3.271                      | 13.47                       | H                     |
|                             | 3420                 | -58.85          | -13              | -45.85                  | -69.59                   | 2.604                      | 13.34                       | V                     |
|                             | 5130                 | -48.92          | -13              | -35.92                  | -59.43                   | 3.011                      | 13.52                       | V                     |
|                             | 6855                 | -53.56          | -13              | -40.56                  | -63.76                   | 3.271                      | 13.47                       | V                     |
| Middle                      | 3465                 | -58.28          | -13              | -45.28                  | -69.02                   | 2.604                      | 13.34                       | H                     |
|                             | 5205                 | -48.50          | -13              | -35.50                  | -59.01                   | 3.011                      | 13.52                       | H                     |
|                             | 6930                 | -53.70          | -13              | -40.70                  | -63.90                   | 3.271                      | 13.47                       | H                     |
|                             | 3465                 | -58.58          | -13              | -45.58                  | -69.32                   | 2.604                      | 13.34                       | V                     |
|                             | 5205                 | -49.21          | -13              | -36.21                  | -59.72                   | 3.011                      | 13.52                       | V                     |
|                             | 6930                 | -54.29          | -13              | -41.29                  | -64.49                   | 3.271                      | 13.47                       | V                     |
| Highest                     | 3510                 | -58.54          | -13              | -45.54                  | -69.28                   | 2.604                      | 13.34                       | H                     |
|                             | 5265                 | -48.55          | -13              | -35.55                  | -59.06                   | 3.011                      | 13.52                       | H                     |
|                             | 7005                 | -54.69          | -13              | -41.69                  | -64.89                   | 3.271                      | 13.47                       | H                     |
|                             | 3510                 | -58.65          | -13              | -45.65                  | -69.39                   | 2.604                      | 13.34                       | V                     |
|                             | 5265                 | -47.37          | -13              | -34.37                  | -57.88                   | 3.011                      | 13.52                       | V                     |
|                             | 7005                 | -53.39          | -13              | -40.39                  | -63.59                   | 3.271                      | 13.47                       | V                     |

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