



# TEST REPORT

**APPLICANT** : Shenzhen Chainway Information Technology Co., Ltd

**PRODUCT NAME** : Mobile Data Terminal

**MODEL NAME** : C5

**BRAND NAME** : CHAINWAY

**FCC ID** : 2AC6AC5N

**STANDARD(S)** : 47 CFR Part 2  
47 CFR Part 22 Subpart H  
47 CFR Part 24 Subpart E

**RECEIPT DATE** : 2023-02-21

**TEST DATE** : 2023-02-22 to 2023-04-11

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Change History		
Version	Date	Reason for change
1.0	2025-07-11	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Shenzhen Chainway Information Technology Co., Ltd
<b>Applicant Address:</b>	9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
<b>Manufacturer:</b>	Shenzhen Chainway Information Technology Co., Ltd
<b>Manufacturer Address:</b>	9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Mobile Data Terminal	
<b>Sample No.:</b>	13#	
<b>Hardware Version:</b>	C5P_Software_version	
<b>Software Version:</b>	C5P_Hardware_version	
<b>Modulation Type:</b>	CDMA2000 1xRTT: BPSK,QPSK CDMA2000 1xEVDO Rev 0: BPSK CDMA2000 1xEVDO Rev A: BPSK,QPSK,8PSK	
<b>Operating Frequency Range:</b>	CDMA 2000 BC0	Tx: 824MHz-849MHz Rx: 869MHz-894MHz
<b>Antenna Type:</b>	PIFA Antenna	
<b>Antenna Gain:</b>	CDMA 2000 BC0	-2.60dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	Chainway
	Model No.:	C5
	Serial No.:	N/A
	Capacity:	6300mAh
	Rated Voltage:	3.6V
	Charge Limit:	4.2V
	Manufacturer:	DONGGUAN BOB ELECTRONICS CO.,LTD



<b>Accessory Information:</b>	Battery 2	
	Brand Name:	ZOUYOU
	Model No.:	501030
	Serial No.:	N/A
	Capacity:	100mAh
	Rated Voltage:	3.7V
	Charge Limit:	4.2V
	Manufacturer:	Shenzhen Zonyou Power Co., Ltd.
	AC Adapter	
	Brand Name:	ULLPOWER
	Model No.:	NA010050020
	Serial No.:	N/A
	Rated Output:	5V--2A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Shi Yingyuan Electronics Co., Ltd
USB Cable		
Model No.:		
1.8.17.095		
Manufacturer:		
King Power Electronics Co., Ltd.		

**Note 1:** This test report is variant from the original report (Report No.: SZ22120012W02, FCC ID: 2AC6AC5P), based on the similarity between before, made the following changes:

1. Reduce the gain of UHF, from 4.75dbi to 3.75dbi
2. Add NFC antenna
3. Change software and hardware version numbers
4. Change FCC ID

The changes do not affect the test results.

**Note 2:** The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

### 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

Test Mode	Maximum E.R.P./E.I.R.P. (W)	Emission Designator
CDMA2000 BC0	0.083	1M27F9W



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22 and Part24 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2 (10-1-12 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 (10-1-12 Edition)	Public Mobile Services
3	47 CFR Part 24 (10-1-12 Edition)	Personal Communications Services

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	2.1046	Conducted RF Output Power	Feb. 22, 2023	Chen Hao	PASS <sub>Note1</sub>	/
2	N/A	Peak -Average Ratio	N/A	N/A	N/A	N/A
3	2.1049	Occupied Bandwidth	Feb. 22, 2023	Li Huajie	PASS <sub>Note1</sub>	/
4	2.1055, 22.355, 24.235	Frequency Stability	Feb. 22, 2023	Li Huajie	PASS <sub>Note1</sub>	/
5	2.1051, 22.917(a), 24.238(a)	Conducted Out of Band Emissions	Feb. 22, 2023	Li Huajie	PASS <sub>Note1</sub>	/
6	2.1051, 22.917(a), 24.238(a)	Band Edge	Feb. 22, 2023	Li Huajie	PASS <sub>Note1</sub>	/
7	22.913(a) 24.232(c)	Transmitter Radiated Power (EIPR/E.R.P.)	Feb. 22, 2023	Li Huajie	PASS <sub>Note1</sub>	/
8	2.1053, 22.917(a), 24.238(a)	Radiated Out of Band Emissions	Mar. 14, 2023	Su Zhan	PASS <sub>Note1</sub>	/

**Note 1:** The test results of these test items in this report refer to the test report (Report No.: SZ22120012W02).

**Note 2:** The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03r01 and ANSI/TIA-603-E-2016.

**Note 3:** The path loss during the RF test is calibrated to correct the results by the offset setting in



the test equipment. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

**Note 4:** Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

## 1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

## 2.47 CFR Part 2, Part 22H, Part24E Requirements

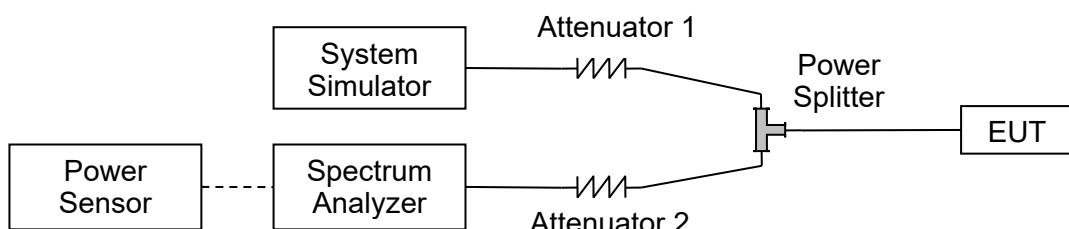
### 2.1. Conducted RF Output Power

#### 2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

#### 2.1.2. Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



### 2.1.3. Test Result

CDMA2000 BC0	Average Power (dBm)		
TX Channel	1013	384	777
Frequency (MHz)	824.7	836.52	848.31
1xRTT RC1 SO55	23.46	23.58	23.57
1xRTT RC3 SO55	23.39	23.49	23.51
1xRTT RC3 SO32 (F+SCH)	23.20	23.22	23.29
1xRTT RC3 SO32 (+SCH)	23.14	23.22	23.22
1xEVDO RTAP 153.6Kbps	23.81	23.93	23.87
1xEVDO RETAP 4096Bits	23.44	23.55	23.56

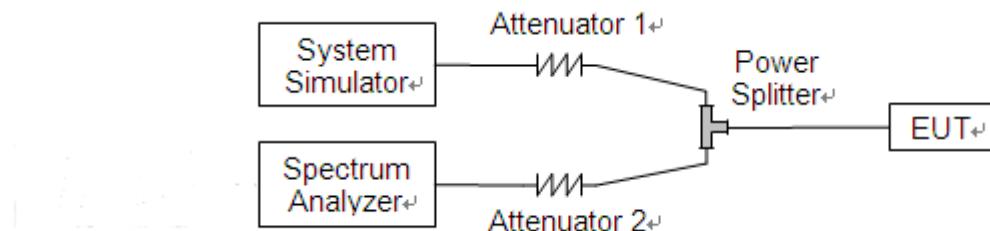
## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

### 2.2.2. Test Description

Test Setup:

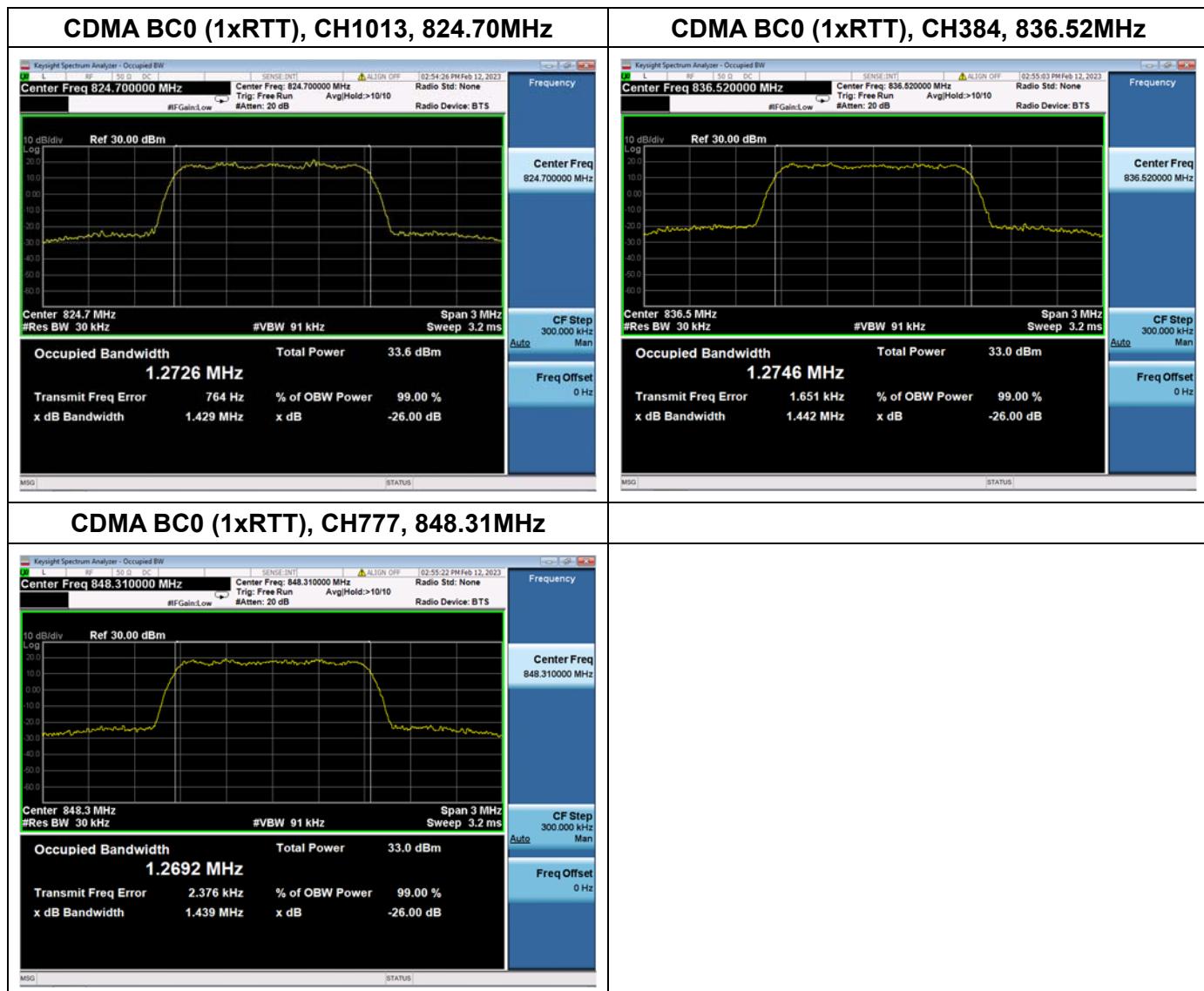


The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



### 2.2.3. Test Result

CDMA2000 BC0				
Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
1xRTT	1013	824.70	1.27	1.43
	384	836.52	1.27	1.44
	777	848.31	1.27	1.44



## 2.3. Frequency Stability

### 2.3.1. Requirement

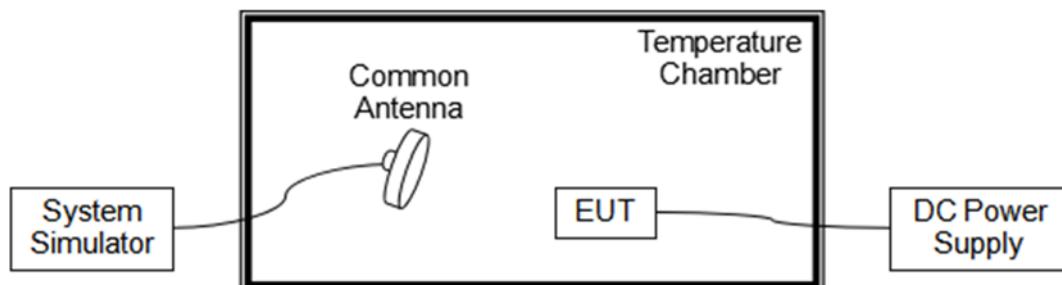
According to FCC section 22.355 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

**Note:** The operating temperature of EUT is from -20°C to 50°C, which are specified by the applicant.

### 2.3.2. Test Description

Test Setup:



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS via a Common Antenna.



### 2.3.3. Test Result

The nominal, highest and lowest extreme voltages are separately 3.60V, 4.20V and 3.00V, which are specified by the applicant; the normal temperature here used is 20°C.

CDMA2000 BC0 (1xRTT), CH384, 836.52MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.60	+20(Ref)	13	0.016	PASS
Normal		-20	-21	-0.025	
Normal		-10	5	0.006	
Normal		0	15	0.018	
Normal		+10	17	0.020	
Normal		+20	18	0.022	
Normal		+30	14	0.017	
Normal		+40	4	0.005	
Normal		+50	20	0.024	
High	4.20	+20	18	0.022	
BATT.ENDPOINT	3.00	+20	16	0.019	

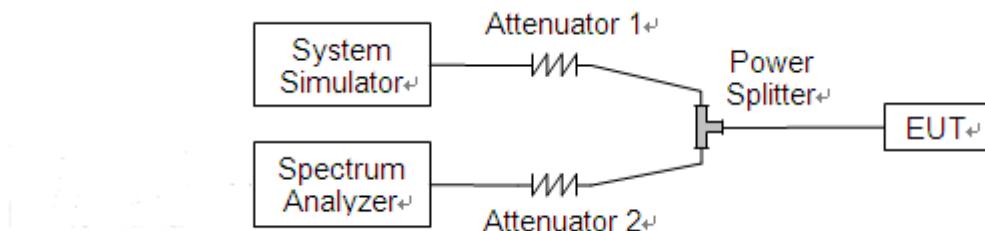
## 2.4. Conducted Out of Band Emissions

### 2.4.1. Requirement

According to FCC section 22.917(a) and 24.238(a) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43+10\log(P)$  dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10<sup>th</sup> harmonic of the fundamental frequency.

### 2.4.2. Test Description

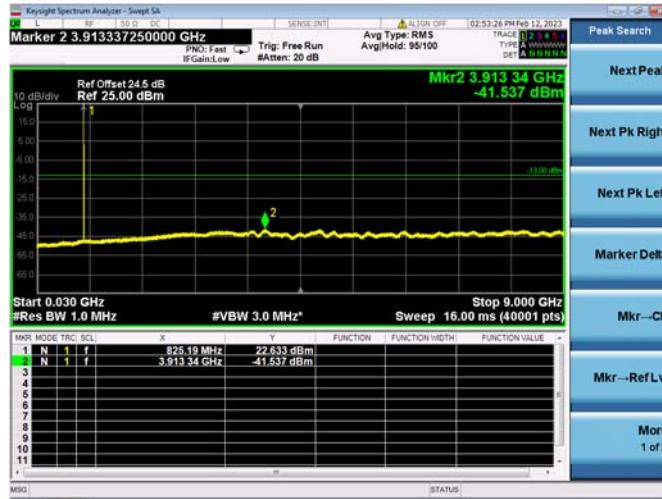
Test Setup:



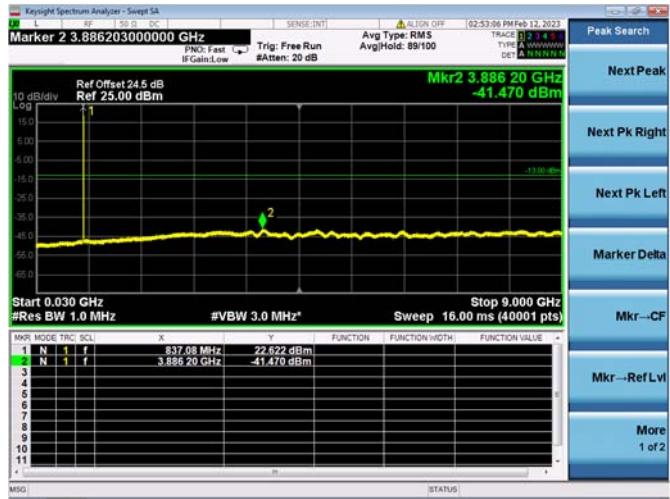
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

## 2.4.3. Test Result

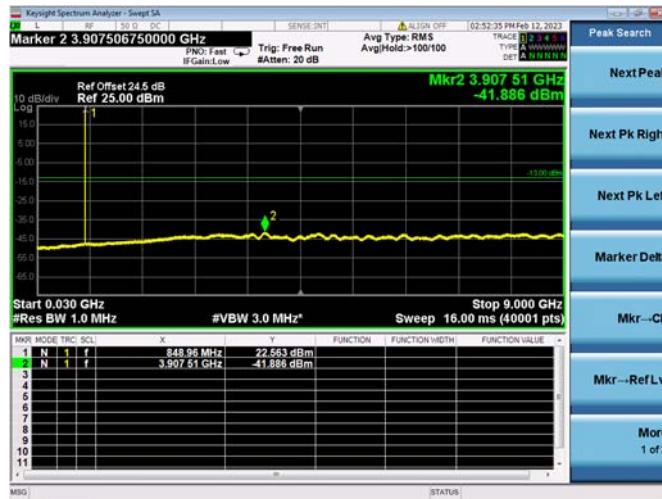
## CDMA BC0 (1xRTT), CH1013, 824.70MHz



## CDMA BC0 (1xRTT), CH384, 836.52MHz



## CDMA BC0 (1xRTT), CH777, 848.31MHz



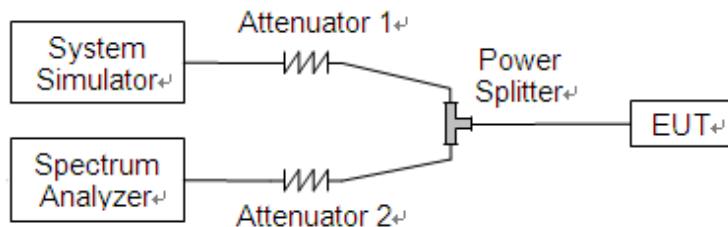
## 2.5. Band Edge

### 2.5.1. Requirement

According to FCC section 22.917(a) and 24.238(a) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43+10\log(P)$  dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10<sup>th</sup> harmonic of the fundamental frequency.

### 2.5.2. Test Description

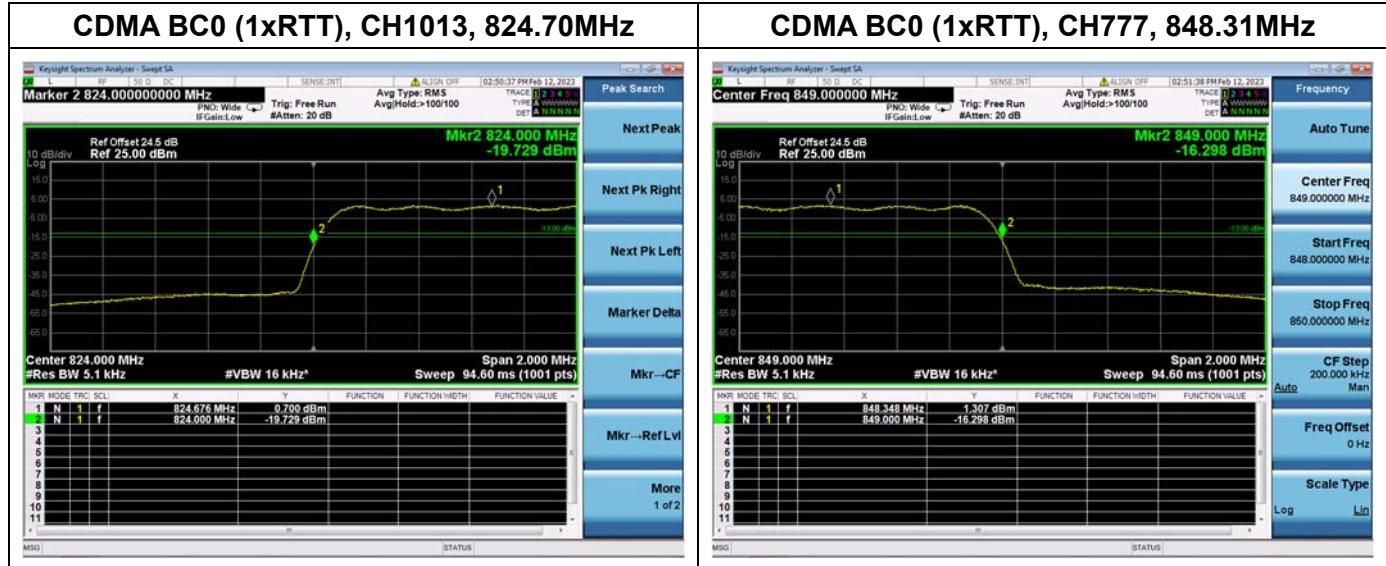
Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

### 2.5.3. Test Result

The lowest and highest channels are tested to verify the band edge emissions.





## 2.6. Determining E.R.P. and/or E.I.R.P. from conducted RF output power measurements

### 2.6.1. Requirement

According to FCC section 22.913, the Effective Radiated Power (E.R.P.) of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

### 2.6.2. Test Description

The test setups refer to section 2.1.3

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. GSM850MHz band Power Control Level (PCL) = 5/19 and Power Class = 4, GSM1900MHz band Power Control Level (PCL) = 0/15 and Power Class = 1), and only the test result of the maximum output power was recorded. Please refer to section 2.1.3 of this report.

The relevant equation for determining the maximum E.R.P. or E.I.R.P. from the measured RF output power is given in Equation (1) as follows:

$$\text{E.R.P. or E.I.R.P.} = P_{\text{Meas}} + G_T$$

Where:

E.R.P. or E.I.R.P. effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as  $P_{\text{Meas}}$ , e.g., dBm or dBW)

$P_{\text{Meas}}$  measured transmitter output power or PSD, in dBm or dBW

$G_T$  gain of the transmitting antenna, in dBd (E.R.P.) or dBi (E.I.R.P.)

For devices utilizing multiple antennas, see ANSI C63.25-2015 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.

The following equations demonstrate the mathematical relationship between E.R.P. and E.I.R.P.:

a)  $\text{E.R.P.} = \text{E.I.R.P.} - 2.15$ , where E.R.P. and E.I.R.P. are expressed in consistent units.

b)  $\text{E.I.R.P.} = \text{E.R.P.} + 2.15$ , where E.R.P. and E.I.R.P. are expressed in consistent units.



### 2.6.3. Test Result

CDMA2000 BC0								
Band	Channel	Frequency (MHz)	PCL	Measured E.R.P.		Limit		Verdict
				dBm	W	dBm	W	
1xRTT	1013	824.70	5	18.71	0.074	38.5	7	PASS
	384	836.52	5	18.83	0.076			PASS
	777	848.31	5	18.82	0.076			PASS
1xEVDO Rev 0	1013	824.70	5	18.45	0.070	38.5	7	PASS
	384	836.52	5	18.47	0.070			PASS
	777	848.31	5	18.54	0.071			PASS
1xEVDO Rev A	1013	824.70	5	19.06	0.081	38.5	7	PASS
	384	836.52	5	19.18	0.083			PASS
	777	848.31	5	19.12	0.082			PASS

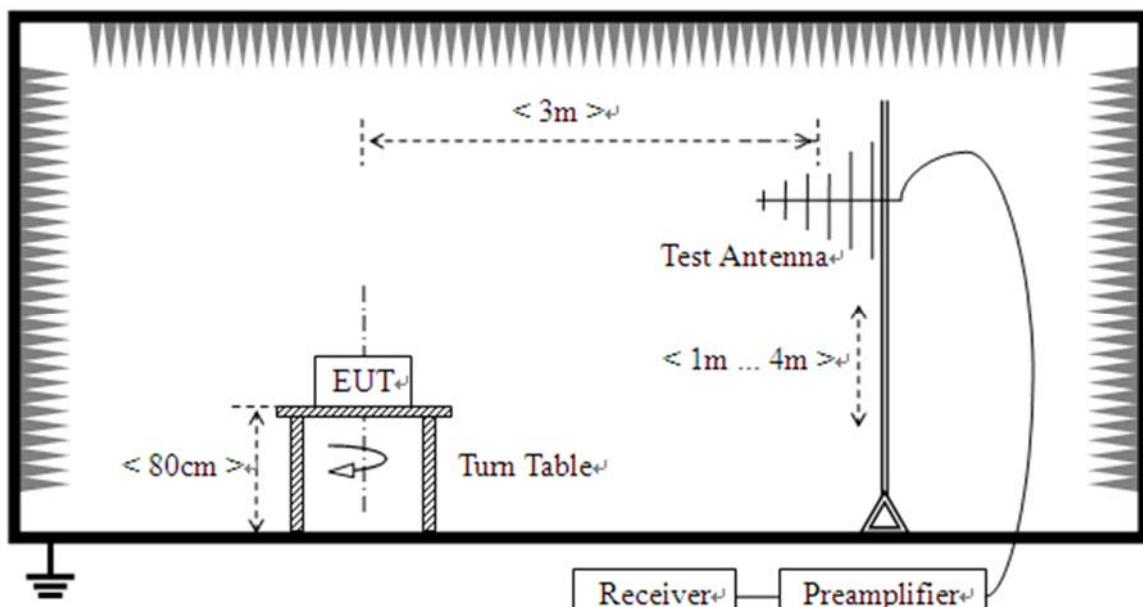
**Note 1:** Only the worst data were recorded in this report.

## 2.7. Radiated Out of Band Emissions

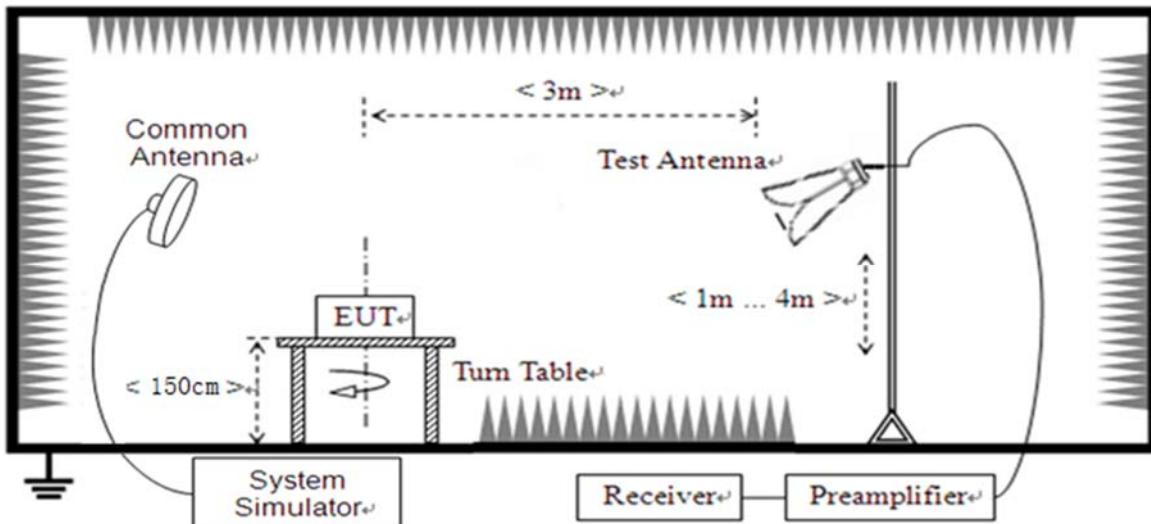
### 2.7.1. Requirement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43+10\log(P)$  dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

### 2.7.2. Test Description



(For the test frequency from 30MHz to 1GHz)



(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading. A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

**Note:** When doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

### 2.7.3. Test Procedure

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.



## 2.7.4. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

The substitution corrections are obtained as described below:

$$A_{SUBST} = P_{SUBST\_TX} - P_{SUBST\_RX} - L_{SUBST\_CABLES} + G_{SUBST\_TX\_ANT}$$

$$A_{TOT} = L_{CABLES} + A_{SUBST}$$

Where  $A_{SUBST}$  is the final substitution correction including receive antenna gain.

$P_{SUBST\_TX}$  is signal generator level,

$P_{SUBST\_RX}$  is receiver level,

$L_{SUBST\_CABLES}$  is cable losses including TX cable,

$G_{SUBST\_TX\_ANT}$  is substitution antenna gain.

$A_{TOT}$  is total correction factor including cable loss and substitution correction

During the test, the data of  $A_{TOT}$  was added in the test spectrum analyze, so spectrum analyze reading is the final values which contain the data of  $A_{TOT}$ .

**Note1:** The power of the EUT transmitting frequency should be ignored.

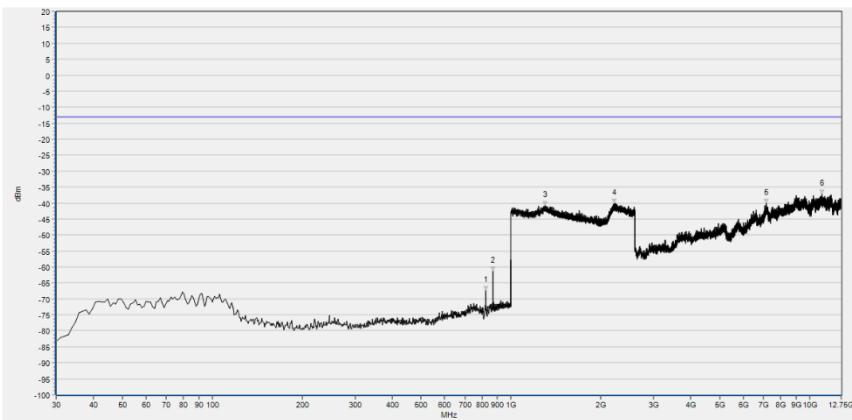
**Note2:** All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

**Note3:** All spurious emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

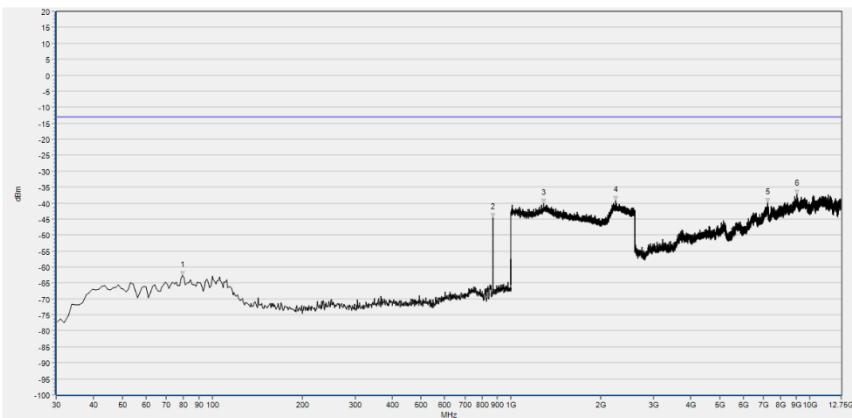
**Note4:** N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

**Note5:** The amplitude of emissions(18GHz to 10th harmonics) which are attenuated more than 20 dB below the limit are not be reported.

## CDMA2000 BC0 (1xRTT), Low Channel

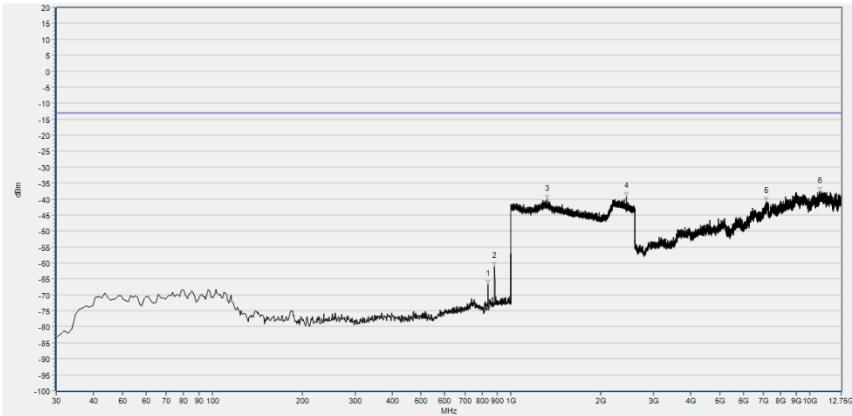


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	824.430	-67.45	-13.00	Horizontal	N/A
2	870.020	-61.30	-13.00	Horizontal	N/A
3	1302.841	-40.69	-13.00	Horizontal	PASS
4	2222.249	-40.22	-13.00	Horizontal	PASS
5	7149.873	-40.15	-13.00	Horizontal	PASS
6	11000.191	-37.22	-13.00	Horizontal	PASS

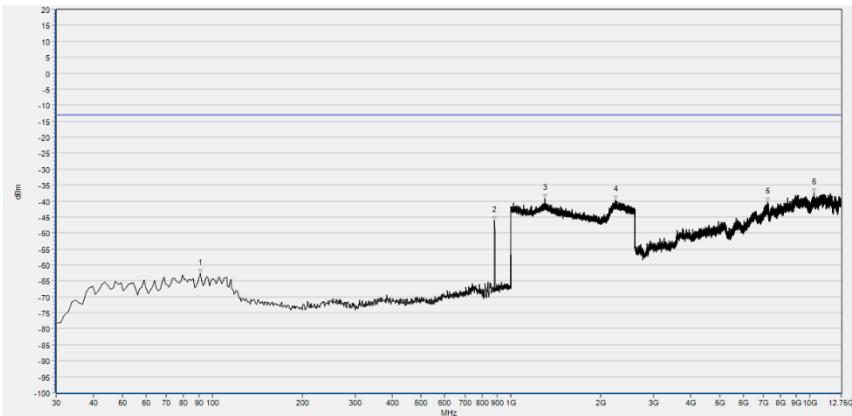


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	79.470	-62.62	-13.00	Vertical	PASS
2	870.020	-44.48	-13.00	Vertical	N/A
3	1286.194	-40.02	-13.00	Vertical	PASS
4	2246.579	-39.30	-13.00	Vertical	PASS
5	7227.396	-39.82	-13.00	Vertical	PASS
6	9056.574	-37.31	-13.00	Vertical	PASS

## CDMA2000 BC0 (1xRTT), Mid Channel

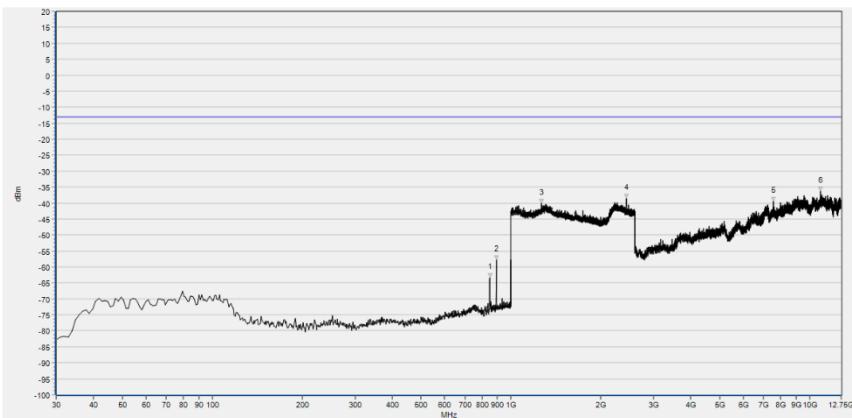


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	836.070	-66.73	-13.00	Horizontal	N/A
2	881.660	-61.21	-13.00	Horizontal	N/A
3	1321.409	-40.07	-13.00	Horizontal	PASS
4	2439.296	-39.16	-13.00	Horizontal	PASS
5	7151.718	-40.74	-13.00	Horizontal	PASS
6	10815.612	-37.67	-13.00	Horizontal	PASS

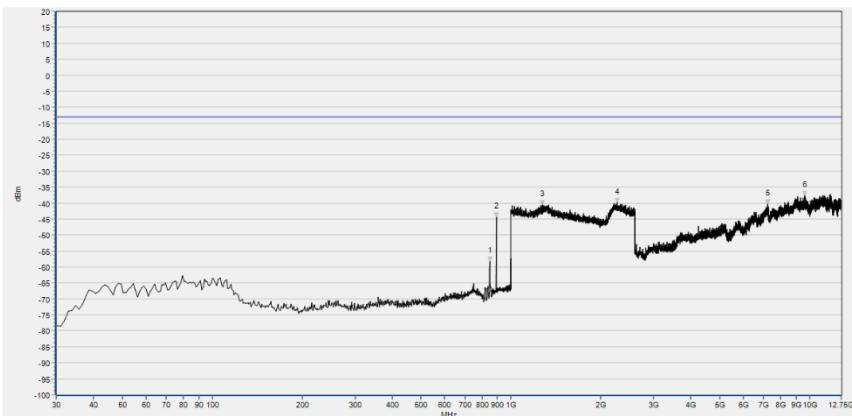


No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	91.110	-62.62	-13.00	Vertical	PASS
2	881.660	-46.21	-13.00	Vertical	N/A
3	1301.561	-39.32	-13.00	Vertical	PASS
4	2246.579	-39.58	-13.00	Vertical	PASS
5	7234.779	-40.41	-13.00	Vertical	PASS
6	10324.632	-37.53	-13.00	Vertical	PASS

## CDMA2000 BC0 (1xRTT), High Channel



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	848.680	-63.24	-13.00	Horizontal	N/A
2	893.300	-57.68	-13.00	Horizontal	N/A
3	1265.706	-40.01	-13.00	Horizontal	PASS
4	2438.015	-38.55	-13.00	Horizontal	PASS
5	7565.175	-39.54	-13.00	Horizontal	PASS
6	10876.523	-36.29	-13.00	Horizontal	PASS



No.	Fre.(MHz)	PK (dBm)	Limit (dBm)	Antenna	Verdict
1	848.680	-58.24	-13.00	Vertical	N/A
2	893.300	-44.37	-13.00	Vertical	N/A
3	1274.030	-40.62	-13.00	Vertical	PASS
4	2260.024	-39.91	-13.00	Vertical	PASS
5	7236.625	-40.26	-13.00	Vertical	PASS
6	9619.540	-37.76	-13.00	Vertical	PASS



## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Output Power	±2.22dB
Bandwidth	±5%
Conducted Spurious Emission	±2.77dB
Radiated Emission	±2.95dB

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

<b>Laboratory Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Laboratory Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipment

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2022.07.04	2023.07.03
System Simulator	6200995016	MT8820C	Anritsu	2022.10.10	2023.10.09
Temperature Chamber	20171112102	HZ-2019	Dongguan Lixian Instrument Technology Co., Ltd	2022.10.10	2023.10.09

##### 4.2 List of Software Used

Description	Manufacturer	Software Version
MORLAB EMCR V1.2	MORLAB	V1.0



#### 4.3 Radiated Test Equipment

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
System Simulator	152038	CMW500	R&S	2022.10.11	2023.10.10
Receiver	MY54130016	N9038A	Agilent	2022.07.07	2023.07.06
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2022.05.25	2025.05.24
Test Antenna - Horn	9120D-963	BBHA 9120D	Schwarzbeck	2022.05.23	2025.05.24
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2022.07.08	2023.07.07
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2022.07.08	2023.07.07
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2022.07.08	2023.07.07
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2022.07.08	2023.07.07
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2022.07.08	2023.07.07
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2022.07.08	2023.07.07
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2022.07.08	2023.07.07
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2022.07.23	2023.07.22
Notch Filter	N/A	WRCG-CDM A2000 BC0	Wainwright	2022.07.08	2023.07.07
Notch Filter	N/A	WRCG-CDM A2000 BC1	Wainwright	2022.07.08	2023.07.07
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09

END OF REPORT