



# FCC Test Report

**APPLICANT** : Realme Chongqing Mobile  
Telecommunications Corp., Ltd.  
**EQUIPMENT** : Mobile Phone  
**BRAND NAME** : realme  
**MODEL NAME** : RMX2020  
**FCC ID** : 2AUYFRMX2020  
**STANDARD** : 47 CFR Part 15 Subpart B  
**CLASSIFICATION** : Certification

The product was received on Dec. 17, 2019 and testing was completed on Jan. 10, 2020. We, Sporton International (ShenZhen) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 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 (ShenZhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



**Sporton International (ShenZhen) Inc.**

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan Shenzhen, 518055  
People's Republic of China



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### SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 9.82 dB at 0.17 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 9.95 dB at 30.97 MHz for peak

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
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.



# 1. General Description

## 1.1. Applicant

Realme Chongqing Mobile Telecommunications Corp., Ltd.  
No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

## 1.2. Manufacturer

Realme Chongqing Mobile Telecommunications Corp., Ltd.  
No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.

## 1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	realme
Model Name	RMX2020
FCC ID	2AUYFRMX2020
EUT supports Radios application	GSM/WCDMA/LTE/NFC/GNSS WLAN 2.4GHz 802.11b/g/n HT20 Bluetooth BR/EDR/LE FM Receiver
IMEI Code	Conduction: 868484040060474/868484040060466 Radiation: 868484040054519/868484040054501
HW Version	11
SW Version	Color OS 7.0
EUT Stage	Identical Prototype

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



### 1.4. Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx Frequency</b>	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 38 : 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2537.5 MHz ~ 2652.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC : 13.56 MHz
<b>Rx Frequency</b>	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band IV : 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2537.5 MHz ~ 2652.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS : 1559 MHz ~ 1610 MHz NFC : 13.56 MHz FM: 87.5 MHz ~ 108 MHz
<b>Antenna Type</b>	WWAN : Fixed Internal Antenna Bluetooth/WLAN/GNSS : PIFA Antenna NFC : PCB Antenna FM : External Earphone Antenna
<b>Type of Modulation</b>	GSM/ GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK HSPA : QPSK HSPA+ : 16QAM DC-HSDPA : 64QAM LTE: QPSK / 16QAM / 64QAM 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) :π/4-DQPSK Bluetooth (3Mbps) : 8-DPSK GNSS : BPSK NFC: ASK FM



Note : GNSS Rx = GLONASS + GPS + BeiDou

### 1.5. Modification of EUT

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

### 1.6. Test Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

<b>Test Firm</b>	Sporton International (Shenzhen) Inc.		
<b>Test Site Location</b>	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	CO01-SZ	CN1256	421272

<b>Test Firm</b>	Sporton International (Shenzhen) Inc.		
<b>Test Site Location</b>	No. 3 Bldg the third floor of south, Shahe River west, Fengzeyuan Warehouse, Nanshan Shenzhen, 518055 People's Republic of China TEL: +86-755-33202398		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH01-SZ	CN1256	421272

### 1.7. Test Software

Item	Site	Manufacture	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b



## 1.8. Applicable Standards

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

- ♦ 47 CFR Part 15 Subpart B
- ♦ ANSI C63.4-2014

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.



## 2. Test Configuration of Equipment Under Test

### 2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

LTE Band 38 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + MPEG4(Colur bar + USB Cable (Charging from Adapter 3) + Battery 2 + SIM 2

Test Items	Function Type
AC Conducted Emission	Mode 1: GSM 850 Idle (Middle) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + Camera(Rear) + USB Cable (Charging from Adapter 1) + Battery 1+ SIM 1
	Mode 2: GSM 1900 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + Camera(Front) + USB Cable (Charging from Adapter 2) + Battery 1 + SIM 2
	Mode 3: WCDMA Band V Idle(Low CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + MPEG4(Colur bar) + USB Cable (Charging from Adapter 3) + Battery 1 + SIM 1
	Mode 4: LTE Band 2 Idle(High CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + FM Rx (98 MHz) + USB Cable (Charging from Adapter 2) + Battery 1 + SIM 2
	Mode 5: LTE Band 4 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + H-Pattern + USB Cable (Charging from Adapter 2) + Battery 1 + SIM 1
	Mode 6: LTE Band 5 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + NFC ON + USB Cable (Charging from Adapter 2) + Battery 1 + SIM 1
	Mode 7: LTE Band 7 Idle(High CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + GNSS RX + USB Cable (Charging from Notebook) + Battery 1 + SIM 2
	Mode 8: LTE Band 38 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + MPEG4(Colur bar) + USB Cable (Charging from Adapter 3) + Battery 2 + SIM 2

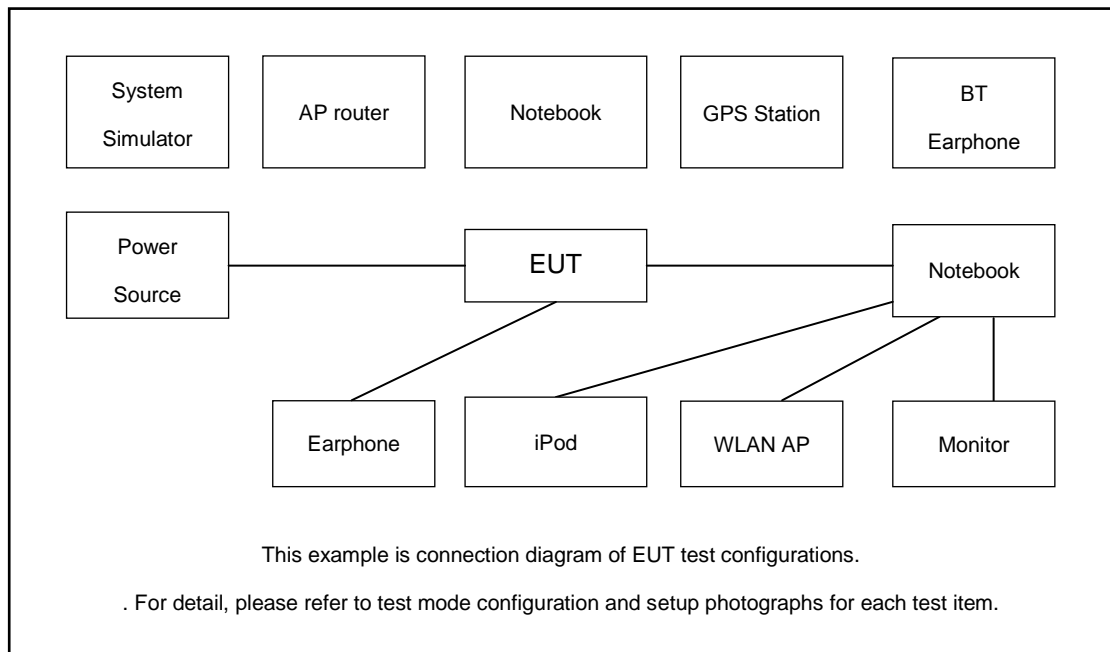


Radiated Emissions	<p>Mode 1: GSM 850 Idle (Middle) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + Camera(Rear) + USB Cable (Charging from Adapter 1) + Battery 1+ SIM 1</p> <p>Mode 2: GSM 1900 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + Camera(Front) + USB Cable (Charging from Adapter 2) + Battery 1 + SIM 2</p> <p>Mode 3: WCDMA Band V Idle(Low CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + MPEG4(Colur bar) + USB Cable (Charging from Adapter 3) + Battery 1 + SIM 1</p> <p>Mode 4: LTE Band 2 Idle(High CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + FM Rx (98 MHz) + USB Cable (Charging from Adapter 3) + Battery 1 + SIM 2</p> <p>Mode 5: LTE Band 4 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + H-Pattern + USB Cable (Charging from Adapter 3) + Battery 1 + SIM 1</p> <p>Mode 6: LTE Band 5 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + NFC ON + USB Cable (Charging from Adapter 3) + Battery 1 + SIM 1</p> <p>Mode 7: LTE Band 7 Idle(High CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + GNSS RX + USB Cable (Charging from Notebook) + Battery 1 + SIM 2</p> <p>Mode 8: LTE Band 38 Idle(Middle CH) + Bluetooth Idle + WLAN Idle(2.4G) + Earphone + Camera(Front) + USB Cable (Charging from Adapter 2) + Battery 2 + SIM 2</p>
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**Remark:**

1. The worst case of AC is mode 3; only the test data of this mode is reported.
2. The worst case of RE is mode 2; only the test data of this mode is reported.
3. Data Link with Notebook means data application transferred mode between EUT and Notebook.
4. Pre-scanned Low/Middle/High channel for GSM 850/WCDMA Band V/LTE Band 2/4/5/7/38, the worst channel was recorded in this report.

## 2.2. Connection Diagram of Test System



The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application

## 2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station(LTE)	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	FM Station	R&S	SMB100A	N/A	N/A	Unshielded,1.8m
3.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
4.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,2.7m with Core
5.	Notebook	Lenovo	E540	Fcc DoC	N/A	shielded cable DC O/P 1.8m Unshielded AC I/P cable 1.8m
6.	Bluetooth Earphone	Samsung	EO-MG900	CCAH14LP1680T5	N/A	N/A
7.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A
8.	SD Card	Kingston	3300-10000-078	Fcc DoC	N/A	N/A
9.	LABSAT Simulator	RACELOGIC	RLLS03-2P	Fcc DoC	N/A	Unshielded,1.8m
	GPS					
10.	iPod	Apple	MC69029/A	Fcc DoC	Shielded, 1.0m	N/A
11.	iPod	Apple	MC525 ZP/A	DoC	Shielded, 1.0m	N/A
12.	Labsat	RACELOGIC	18645	N/A	N/A	Unshielded,1.8m



## **2.4. EUT Operation Test Setup**

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

1. Data application is transferred between notebook and EUT via USB cable.
2. Turn on camera to capture images.
3. Turn on FM Function.
4. Turn on MPEG4 function.
5. Turn on NFC function
6. Turn on GNSS function to make the EUT receive continuous signals from GNSS station.

### 3. Test Result

#### 3.1. Test of AC Conducted Emission Measurement

##### 3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

<Class B Limit>

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

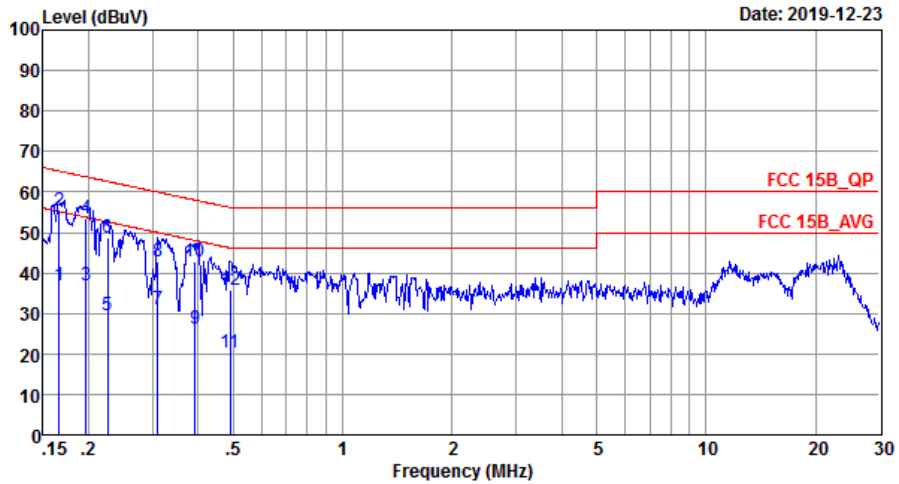
### 3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	ZhangXu	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



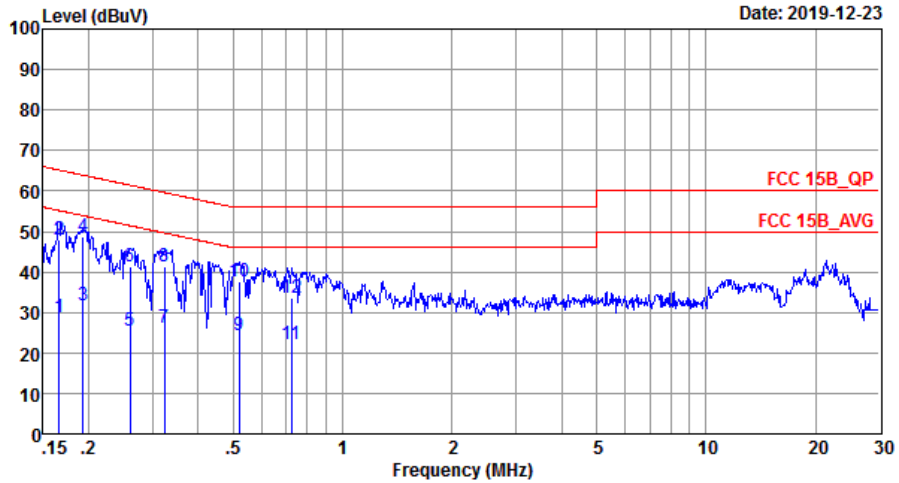
Site : CO01-SZ  
 Condition: FCC 15B\_QP LISN\_20190719\_L LINE

Mode : mode 3  
 IMEI : 868484040060474/868484040060466

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	36.84	-18.32	55.16	26.80	0.03	10.01	Average
2 *	0.17	55.34	-9.82	65.16	45.30	0.03	10.01	QP
3	0.20	36.84	-16.92	53.76	26.80	0.03	10.01	Average
4	0.20	53.44	-10.32	63.76	43.40	0.03	10.01	QP
5	0.23	29.44	-23.17	52.61	19.40	0.03	10.01	Average
6	0.23	48.54	-14.07	62.61	38.50	0.03	10.01	QP
7	0.31	30.94	-19.03	49.97	20.90	0.03	10.01	Average
8	0.31	42.74	-17.23	59.97	32.70	0.03	10.01	QP
9	0.39	26.34	-21.65	47.99	16.30	0.03	10.01	Average
10	0.39	42.64	-15.35	57.99	32.60	0.03	10.01	QP
11	0.49	20.38	-25.76	46.14	10.30	0.02	10.06	Average
12	0.49	35.78	-20.36	56.14	25.70	0.02	10.06	QP



Test Engineer :	ZhangXu	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ  
 Condition: FCC 15B QP LISN\_20190719\_N NEUTRAL

Mode : mode 3  
 IMEI : 868484040060474/868484040060466

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	28.74	-26.42	55.16	18.70	0.03	10.01	Average
2	0.17	48.04	-17.12	65.16	38.00	0.03	10.01	QP
3	0.19	31.64	-22.25	53.89	21.60	0.03	10.01	Average
4 *	0.19	48.54	-15.35	63.89	38.50	0.03	10.01	QP
5	0.26	25.64	-25.78	51.42	15.60	0.03	10.01	Average
6	0.26	41.44	-19.98	61.42	31.40	0.03	10.01	QP
7	0.32	26.04	-23.58	49.62	16.00	0.03	10.01	Average
8	0.32	41.34	-18.28	59.62	31.30	0.03	10.01	QP
9	0.52	24.48	-21.52	46.00	14.40	0.02	10.06	Average
10	0.52	37.48	-18.52	56.00	27.40	0.02	10.06	QP
11	0.72	21.99	-24.01	46.00	11.90	0.02	10.07	Average
12	0.72	33.69	-22.31	56.00	23.60	0.02	10.07	QP

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)





### 3.2. Test of Radiated Emission Measurement

#### 3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

<Class B Limit>

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

#### 3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

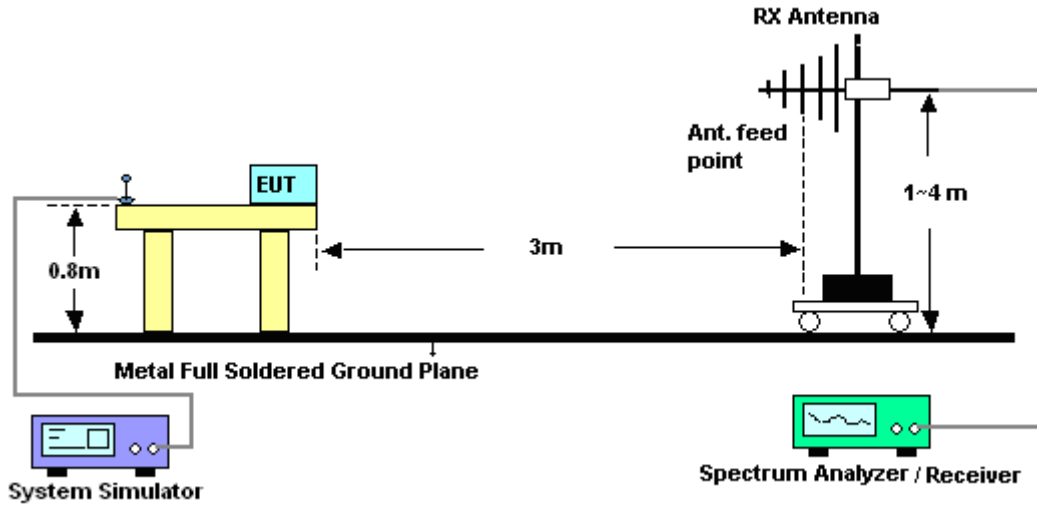


### **3.2.3. Test Procedures**

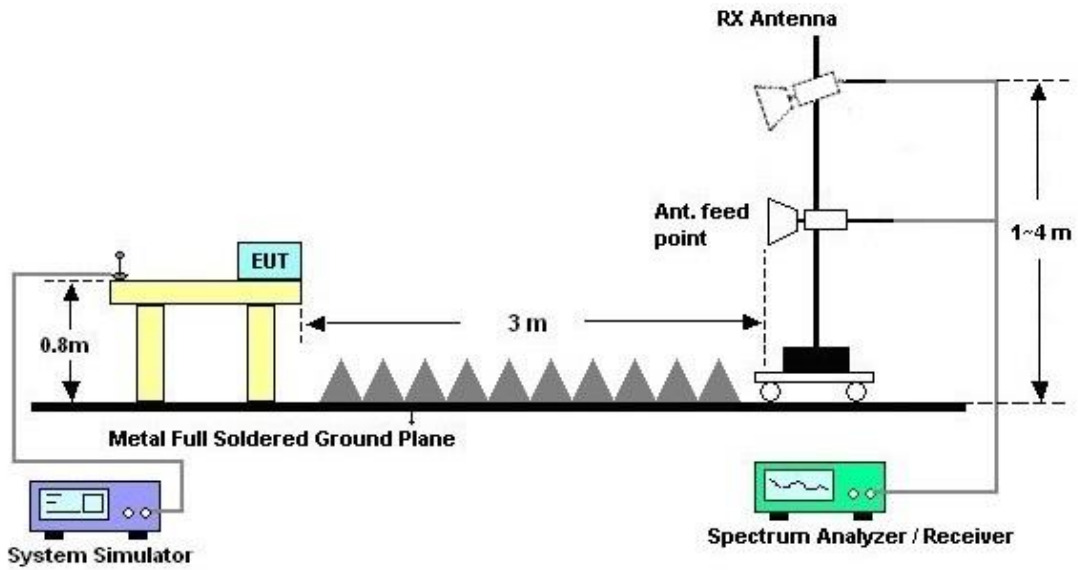
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz

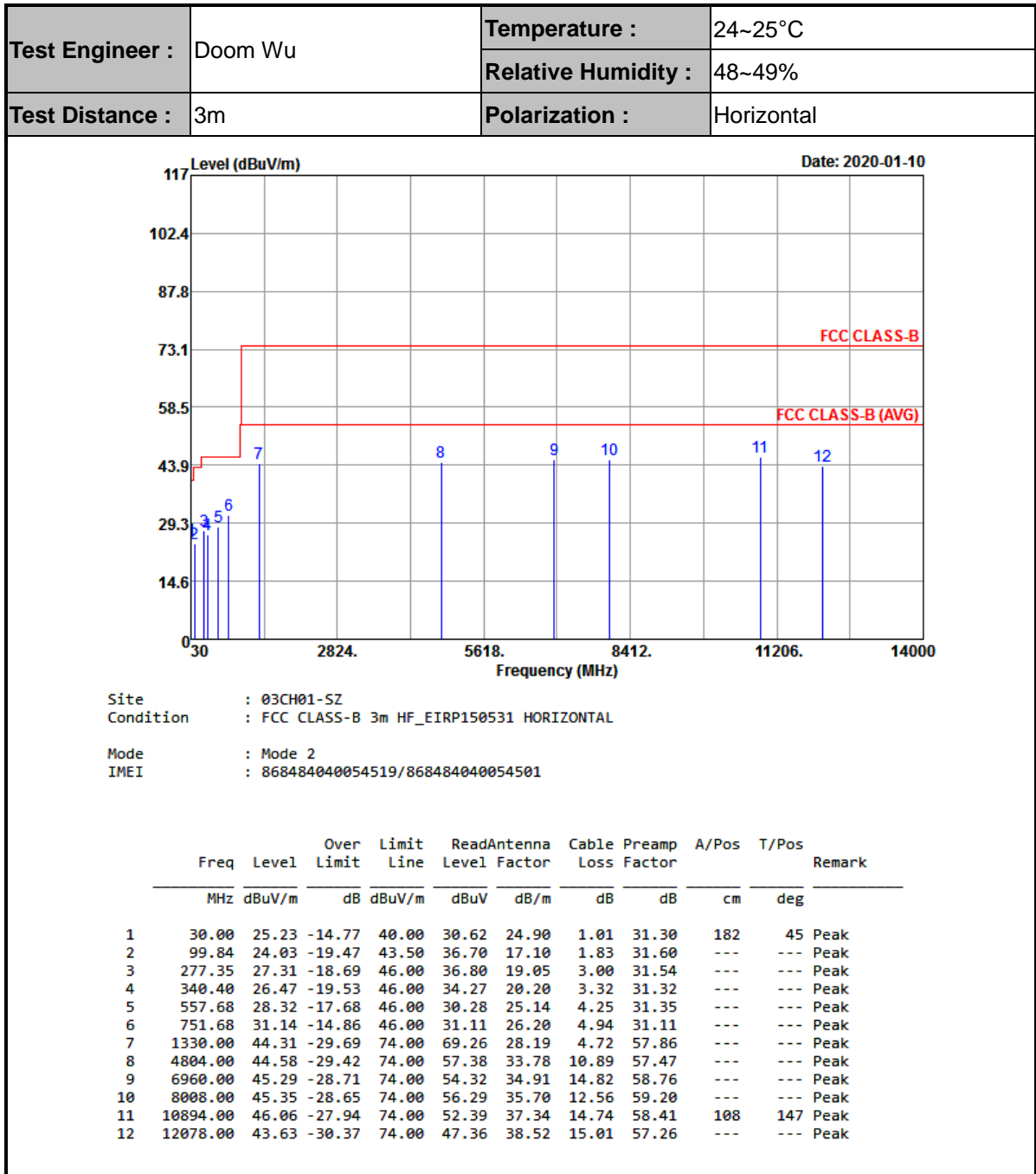


For radiated emissions above 1GHz



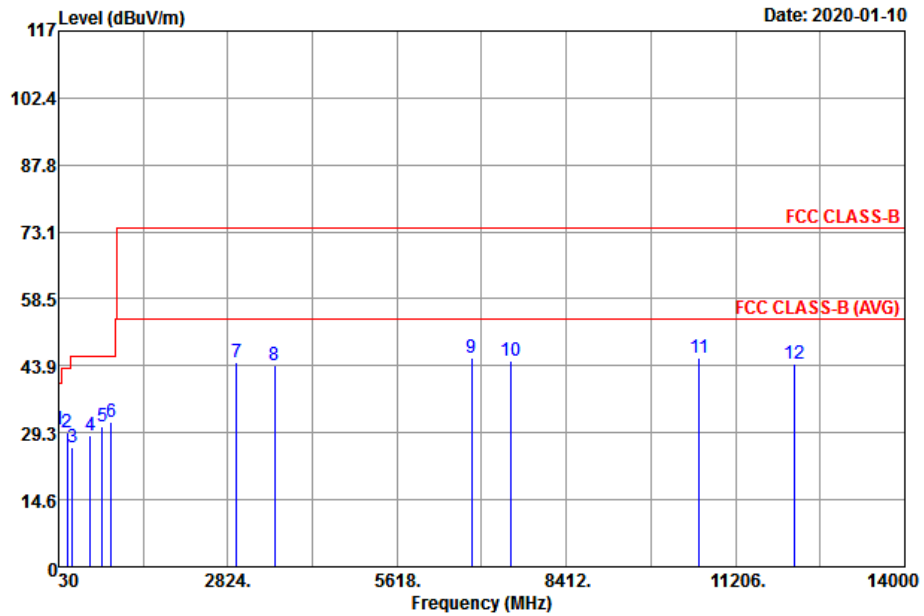


3.2.5. Test Result of Radiated Emission





Test Engineer :	Doom Wu	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH01-SZ  
 Condition : FCC CLASS-B 3m LF\_ANT(35408)\_2019 VERTICAL  
 Mode : Mode 2  
 IMEI : 868484040054519/868484040054501

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.97	30.05	-9.95	40.00	35.97	24.35	1.03	31.30	153	216 Peak
2	177.44	29.42	-14.08	43.50	42.80	15.54	2.42	31.34	---	Peak
3	263.77	26.15	-19.85	46.00	35.45	19.38	2.93	31.61	---	Peak
4	557.68	28.80	-17.20	46.00	30.76	25.14	4.25	31.35	---	Peak
5	751.68	30.73	-15.27	46.00	30.70	26.20	4.94	31.11	---	Peak
6	902.03	31.64	-14.36	46.00	31.04	26.70	5.39	31.49	---	Peak
7	2970.00	44.80	-29.20	74.00	60.63	32.58	8.91	57.32	---	Peak
8	3594.00	44.01	-29.99	74.00	57.09	34.30	9.68	57.06	---	Peak
9	6848.00	45.57	-28.43	74.00	53.65	34.95	15.59	58.62	159	241 Peak
10	7504.00	45.05	-28.95	74.00	55.32	35.80	12.93	59.00	---	Peak
11	10610.00	45.56	-28.44	74.00	52.46	37.16	14.67	58.73	---	Peak
12	12184.00	44.41	-29.59	74.00	48.17	38.54	15.03	57.33	---	Peak

Note:

- Level(dBμV/m) = Read Level(dBμV) + Antenna Factor(dB/m) + Cable Loss(dB) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)



### 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Dec. 26, 2018	Dec. 23, 2019	Dec. 25, 2019	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Oct. 17, 2019	Dec. 23, 2019	Oct. 16, 2020	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Dec. 27, 2018	Dec. 23, 2019	Dec. 26, 2019	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 23, 2019	Dec. 23, 2019	Jul. 22, 2020	Conduction (CO01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Jul. 22, 2019	Jan. 10, 2020	Jul. 21, 2020	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Apr. 18, 2019	Jan. 10, 2020	Apr. 17, 2020	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Jul. 19, 2019	Jan. 10, 2020	Jul. 18, 2020	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Aug. 27, 2019	Jan. 10, 2020	Aug. 26, 2020	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 19, 2019	Jan. 10, 2020	Apr. 18, 2020	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P-R	1943528	1GHz~18GHz	Oct. 18, 2019	Jan. 10, 2020	Oct. 17, 2020	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Jan. 10, 2020	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 10, 2020	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 10, 2020	NCR	Radiation (03CH01-SZ)



## 5. Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.6dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.8dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.0dB
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