



# FCC Test Report

APPLICANT : Xiaomi Communications Co., Ltd.  
EQUIPMENT : Mobile Phone  
BRAND NAME : Xiaomi  
MODEL NAME : 2210132G  
FCC ID : 2AFZZ132G  
STANDARD : 47 CFR Part 15 Subpart B  
CLASSIFICATION : Certification  
TEST DATE(S) : Oct. 14, 2022 ~ Oct. 22, 2022

We, Sporton International Inc. (Kunshan), 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.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen).

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
FC292001	Rev. 01	Initial issue of report	Nov. 10, 2022



### 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 9.51 dB at 0.152 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.10 dB at 44.550 MHz

**Declaration of Conformity:**

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

**Comments and Explanations:**

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



# 1. General Description

## 1.1. Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

## 1.2. Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

## 1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	2210132G
FCC ID	2AFZZ132G
EUT supports Radios application	GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 2.4GHz 802.11be EHT20/EHT40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 WLAN 5GHz 802.11be EHT20/EHT40/EHT80/EHT160 WLAN 6GHz 802.11a/ax HE20/HE40/HE80/HE160 WLAN 6GHz 802.11be HT20/EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE GNSS/NFC/WPT
IMEI Code	Conduction: 862836060030198/862836060030206 for Sample 1 862836060027616/862836060027624 for Sample 2 Radiation: 862836060030511/862836060030529 for Sample 1 862836060028895/862836060028903 for Sample 2
HW Version	P2.0
SW Version	MIUI 14
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 with different memory capacity: sample 1 is 12+256G capacity, sample 2 is 12+512G capacity. According to the difference, sample 1 perform full test and sample 2 verify the related cases.







### 1.5. Modification of EUT

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

### 1.6. Test Location

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

<b>Test Firm</b>	Sporton International Inc. (Kunshan)		
<b>Test Site Location</b>	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	CO01-KS	CN1257	314309

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

<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Site Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 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>
	03CH04-SZ	CN1256	421272

### 1.7. Test Software

Item	Site	Manufacturer	Name	Version
1.	CO01-KS	AUDIX	E3	6.2009-8-24
2.	03CH04-SZ	AUDIX	E3	6.2009-8-24





## **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.

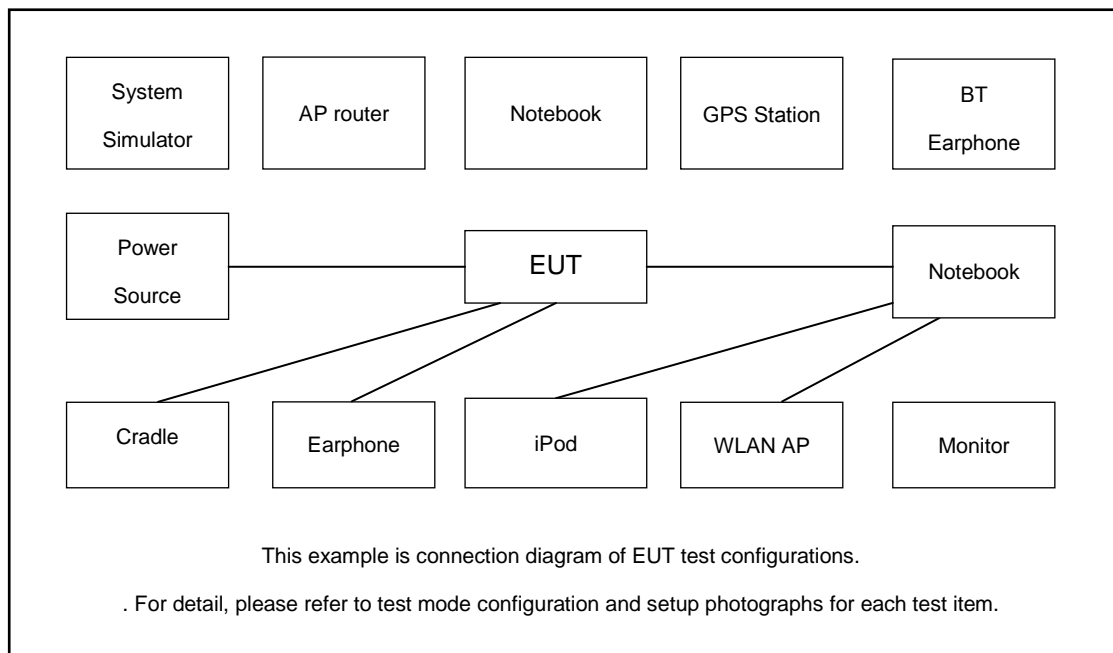
Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
AC Conducted Emission	Mode 1: GSM 850 Rx(Middle CH) + ANT 0 + Camera(Rear) + Battery + USB Cable (Charging from Adapter) + SIM 1 for Sample 1
	Mode 2: LTE Band 26 Rx(Middle CH) + ANT 0 + Camera(Front) + Battery + USB Cable (Charging from Adapter) + SIM 2 for Sample 1
	Mode 3: LTE Band 12 Rx(High CH) + ANT 0 + MPEG4(Run Color Bar) + Battery + USB Cable (EUT (eMMC) USB Data Link to Notebook) + ESIM for Sample 1
	Mode 4: LTE Band 13 Rx(Low CH) + ANT 0 + NFC On + GNSS Rx + Battery + USB Cable (Notebook USB Data Link to EUT (eMMC)) + SIM 2 for Sample 1
	Mode 5: LTE Band 12 Rx(High CH) + Battery + USB Cable (Charging from wireless charging cradle) + SIM 2 for Sample 1
	Mode 6: LTE Band 12 Rx(High CH) + ANT0 + Battery + USB Cable (EUT Charging from Adapter) + EUT wireless charge the other phones + SIM 1 for Sample 1
	Mode 7: LTE Band 12 Rx(High CH) + ANT0 + MPEG4(Run Color Bar)+ Battery + USB Cable (EUT (eMMC) USB Data Link to NB)+ ESIM for Sample 2
Radiated Emissions	Mode 1: GSM 850 Rx(Middle CH) + ANT 0 + Camera(Rear) + Battery + USB Cable (Charging from Adapter) + SIM 1 for Sample 1
	Mode 2: LTE Band 26 Rx(Middle CH)+ ANT 0 + Camera(Front) + Earphone + Battery + SIM 2 for Sample 1
	Mode 3: LTE Band 12 Rx(High CH)+ ANT 0 + MPEG4(Run Color Bar) + Battery + USB Cable (EUT (eMMC) USB Data Link to NB) + ESIM for Sample 1
	Mode 4: LTE Band 13 Rx(Low CH)+ ANT 0 + NFC On + GNSS Rx + Battery + USB Cable (NB USB Data Link to EUT (eMMC)) + SIM 1 for Sample 1
	Mode 5: n5 Rx(Middle CH) + ANT 4 + GNSS Rx + Battery + Typec to Typec(EUT Charging to other phones) + SIM 1 for Sample 1
	Mode 6: GSM 850 Rx(Middle CH) + Camera(Rear) + Battery + USB Cable (Charging from wireless charging cradle) + SIM 1 for Sample 1
	Mode 7: GSM 850 Rx(Middle CH)+ ANT 0 + Camera(Rear)+ Battery+ USB Cable (Charging from Adapter) + EUT wireless charge the other phones + SIM 1 for Sample1
	Mode 8: GSM 850 Rx(Middle CH)+ Camera(Rear)+ Battery+ USB Cable (Charging from Adapter ) + SIM 1 for Sample2

**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 6; 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/LTE Band 12/13/26/n5, 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.	System Simulator	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.5m
3.	System Simulator	Anritsu	MT8000A	N/A	N/A	Unshielded,1.8m
4.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
5.	GPS Station	ADIVIE	MP9000	N/A	N/A	N/A
6.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
7.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,2.7m
8.	Bluetooth Earphone	xiaomi	LYEJ02LM	N/A	N/A	N/A
9.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
10.	Notebook	DELL	Inspiron 15-7570	Fcc DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
11.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
12.	SD Card	Kingston	8GB	N/A	N/A	N/A
13.	Mobile Phone	N/A	N/A	N/A	N/A	N/A
14.	Wireless Charger	MI	MDY-12-EN	N/A	N/A	N/A
15.	Earphone	MI	EM023	N/A	Unshielded,1.2m	N/A

### 2.4. EUT Operation Test Setup

The EUT was in GSM or LTE or 5G NR 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.

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



### 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.

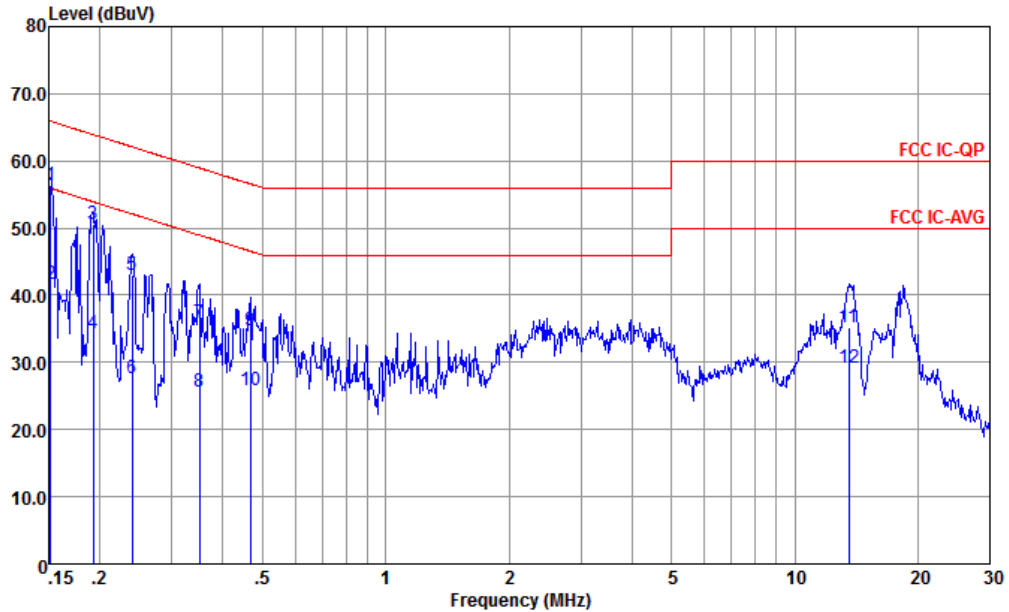
### 3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

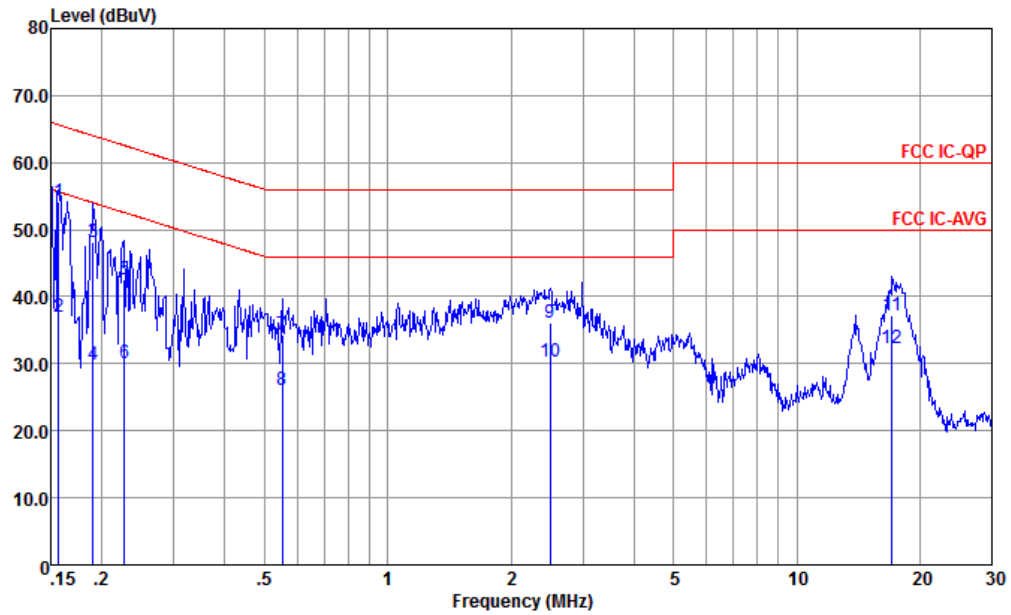


Site : CO01-KS  
 Condition : FCC IC-QP LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.152	56.40	-9.51	65.91	45.90	0.07	10.43	QP
2	0.152	41.70	-14.21	55.91	31.20	0.07	10.43	Average
3	0.192	50.65	-13.28	63.93	40.20	0.03	10.42	QP
4	0.192	34.35	-19.58	53.93	23.90	0.03	10.42	Average
5	0.240	42.93	-19.15	62.08	32.50	0.04	10.39	QP
6	0.240	27.73	-24.35	52.08	17.30	0.04	10.39	Average
7	0.350	35.86	-23.10	58.96	25.51	0.03	10.32	QP
8	0.350	25.56	-23.40	48.96	15.21	0.03	10.32	Average
9	0.466	34.72	-21.86	56.58	24.50	-0.02	10.24	QP
10	0.466	25.82	-20.76	46.58	15.60	-0.02	10.24	Average
11	13.551	35.12	-24.88	60.00	24.20	-0.20	11.12	QP
12	13.551	29.22	-20.78	50.00	18.30	-0.20	11.12	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS  
 Condition : FCC IC-QP LISN-060105-NEUTRAL NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.156	54.06	-11.59	65.65	43.60	0.03	10.43	QP
2	0.156	37.06	-18.59	55.65	26.60	0.03	10.43	Average
3	0.190	48.07	-15.95	64.02	37.60	0.05	10.42	QP
4	0.190	29.77	-24.25	54.02	19.30	0.05	10.42	Average
5	0.227	42.62	-19.95	62.57	32.20	0.02	10.40	QP
6	0.227	30.02	-22.55	52.57	19.60	0.02	10.40	Average
7	0.552	34.31	-21.69	56.00	24.19	-0.08	10.20	QP
8	0.552	26.01	-19.99	46.00	15.89	-0.08	10.20	Average
9	2.500	36.13	-19.87	56.00	26.20	-0.13	10.06	QP
10	2.500	30.23	-15.77	46.00	20.30	-0.13	10.06	Average
11	17.109	37.25	-22.75	60.00	26.20	-0.23	11.28	QP
12	17.109	32.25	-17.75	50.00	21.20	-0.23	11.28	Average

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**

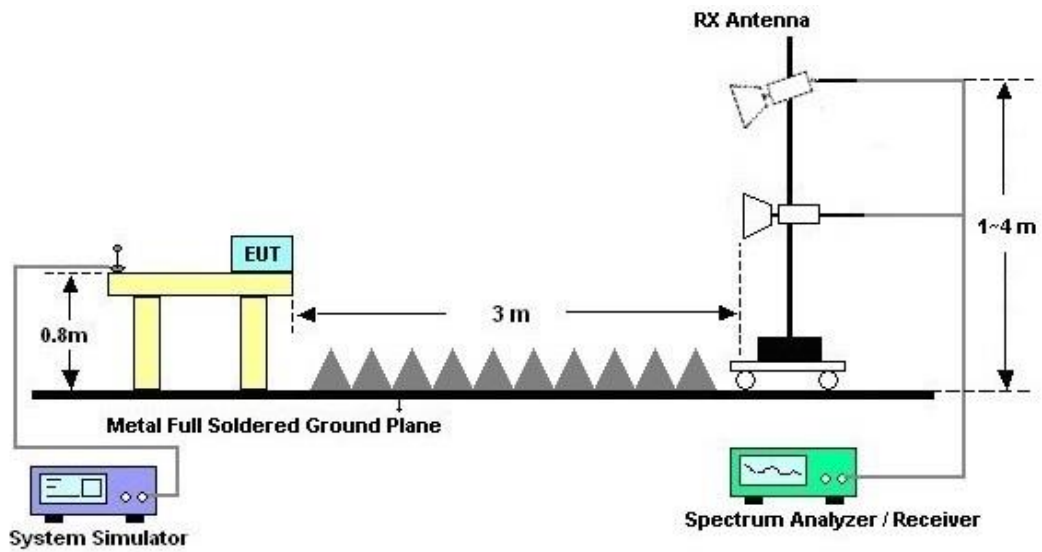
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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
10. Exploratory radiated emissions testing of handheld and/or body-worn devices shall include rotation of the EUT through three orthogonal axes (X/Y/Z Plane) to determine the orientation (attitude) that maximizes the emissions.

### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



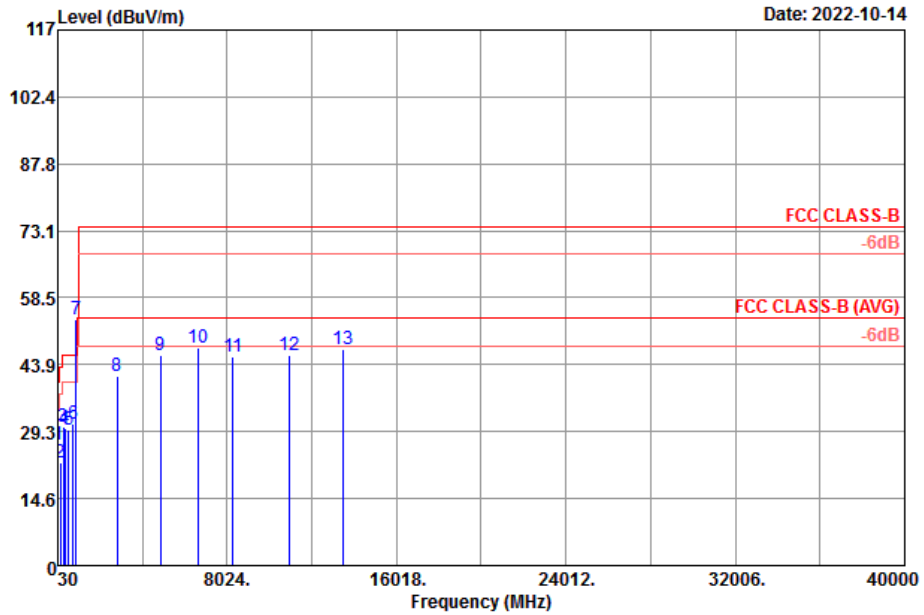
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Engineer :	Kuang Jia	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored.		

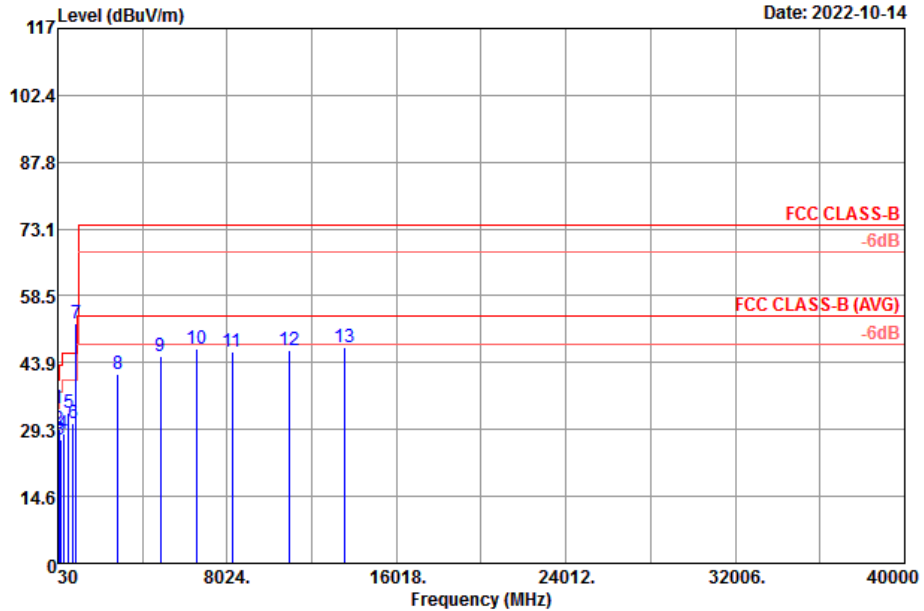


Site : 03CH04-SZ  
 Condition : FCC CLASS-B 3m LF ANT 41909 22 HORIZONTAL

Plane	: Y with Accessories										
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	44.55	26.46	-13.54	40.00	40.73	17.48	0.65	32.40	---	---	Peak
2	138.64	22.51	-20.99	43.50	36.17	17.33	1.21	32.20	---	---	Peak
3	288.99	30.23	-15.77	46.00	40.52	19.66	1.77	31.72	---	---	Peak
4	379.20	30.05	-15.95	46.00	38.05	21.47	2.05	31.52	---	---	Peak
5	535.37	29.66	-16.34	46.00	32.79	25.44	2.42	30.99	---	---	Peak
6	754.59	30.87	-15.13	46.00	30.57	28.56	2.86	31.12	---	---	Peak
7 *	881.66	53.85			53.05	29.14	3.12	31.46	---	---	Peak
8	2816.00	41.25	-32.75	74.00	40.72	28.15	5.79	33.41	---	---	Peak
9	4886.00	45.83	-28.17	74.00	38.21	31.69	8.65	32.72	---	---	Peak
10	6652.00	47.62	-26.38	74.00	35.63	35.06	10.96	34.03	---	---	Peak
11	8292.00	45.73	-28.27	74.00	32.26	37.06	10.72	34.31	---	---	Peak
12	10958.00	46.00	-28.00	74.00	28.48	39.84	12.48	34.80	---	---	Peak
13	13502.00	47.20	-26.80	74.00	26.97	40.45	13.72	33.94	---	---	Peak



Test Engineer :	Kuang Jia	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH04-SZ  
 Condition : FCC CLASS-B 3m LF\_ANT\_41909\_22 VERTICAL

Plane	: Y with Accessories										
	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	44.55	33.90	-6.10	40.00	48.17	17.48	0.65	32.40	---	---	Peak
2	81.41	29.18	-10.82	40.00	46.94	13.84	0.90	32.50	---	---	Peak
3	138.64	27.18	-16.32	43.50	40.84	17.33	1.21	32.20	---	---	Peak
4	300.63	28.44	-17.56	46.00	38.39	19.95	1.80	31.70	---	---	Peak
5	523.73	33.06	-12.94	46.00	36.70	25.03	2.39	31.06	---	---	Peak
6	743.92	30.77	-15.23	46.00	30.69	28.30	2.84	31.06	---	---	Peak
7 *	881.66	52.38			51.58	29.14	3.12	31.46	---	---	Peak
8	2868.00	41.27	-32.73	74.00	40.60	28.19	5.84	33.36	---	---	Peak
9	4860.00	45.18	-28.82	74.00	37.41	31.65	8.76	32.64	---	---	Peak
10	6594.00	46.98	-27.02	74.00	34.96	34.93	11.02	33.93	---	---	Peak
11	8264.00	46.36	-27.64	74.00	32.92	37.05	10.70	34.31	---	---	Peak
12	10928.00	46.63	-27.37	74.00	29.17	39.80	12.48	34.82	---	---	Peak
13	13586.00	47.41	-26.59	74.00	26.94	40.65	13.75	33.93	---	---	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	ESC17	100768	9kHz~7GHz;	May 24, 2022	Oct. 22, 2022	May 23, 2023	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2022	Oct. 22, 2022	Oct. 12, 2023	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 24, 2022	Oct. 22, 2022	May 23, 2023	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2022	Oct. 22, 2022	Oct. 11, 2023	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22, 2021	Oct. 14, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Oct. 14, 2022	Jul. 06, 2023	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22, 2021	Oct. 14, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01Hz~3000MHz	Oct. 22, 2021	Oct. 14, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07, 2022	Oct. 14, 2022	Jul. 06, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Oct. 14, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Oct. 22, 2021	Oct. 14, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 07, 2022	Oct. 14, 2022	Jul. 06, 2023	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	Oct. 14, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Oct. 14, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Oct. 14, 2022	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required



## 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))	2.78dB
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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))	5.1dB
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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))	4.8dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB
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