FCC Test Report

APPLICANT: Xiaomi Communications Co., Ltd.

EQUIPMENT: Mobile Phone

BRAND NAME : POCO

MODEL NAME : 2201116PG FCC ID : 2AFZZ16PG

STANDARD : 47 CFR Part 15 Subpart B

CLASSIFICATION : Certification TEST DATE(S) : Dec. 10, 2021

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.

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

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

Fire Shih

Dogula Cher

Approved by: Eric Shih / Manager

Sporton International (ShenZhen) Inc.

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Sporton International (Shenzhen) Inc.

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APPENDIX A. SETUP PHOTOGRAPHS

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC1N1013-01	Rev. 01	Initial issue of report	Jan. 05, 2022

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	6.93 dB at
					0.169 MHz
					Under limit
3.2	15.109	9 Radiated Emission	< 15.109 limits	PASS	10.02 dB at
					605.210 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.

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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

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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	POCO
Model Name	2201116PG
FCC ID	2AFZZ16PG
EUT supports Radios application	GSM/WCDMA/LTE/NFC/5G NR WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE, GNSS, FM
IMEI Code	Conduction: 864654050017929/864654050017937 for Sample 1 864654050020149/864654050020156 for Sample 2 Radiation: 864654050021921/864654050021939 for Sample 1 864654050011807/864654050011815 for Sample 2
HW Version	P1.1
SW Version	MIUI 13
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 three types of EUT, the sample 1 is 6+128GB capacity and the sample 2 is 8+256GB capacity. According to the difference, we choose sample 1 to perform full tests and the sample 2 is verified the difference.

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1.4. Product Specification of Equipment Under Test

Standards-related Product Specification						
Tx Frequency	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850MHz ~ 1910MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 38: 2570 MHz ~ 2690 MHz SG NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n38: 2570 MHz ~ 2690 MHz 5G NR n38: 2570 MHz ~ 2690 MHz 5G NR n78: 3450 MHz ~ 2690 MHz 5G NR n77: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz; 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz					
Rx Frequency	NFC : 13.56 MHz					

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	5500 MIL 5700 MIL
	5500 MHz ~ 5720 MHz
	5745 MHz ~ 5825 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
	NFC : 13.56 MHz
	GNSS: 1559 MHz ~ 1610 MHz
	FM : 87.5 MHz ~ 108 MHz
	WWAN : PIFA Antenna
	WLAN: PIFA Antenna
	Bluetooth : PIFA Antenna
Antenna Type	GNSS: PIFA Antenna
	NFC: FPC Antenna
	FM : External Earphone Antenna
	GSM/GPRS: GMSK
	EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK
	WCDMA: BPSK
	HSDPA/DC-HSDPA : QPSK
	HSUPA: QPSK
	HSPA+ : 16QAM (16QAM uplink is not supported)
	DC-HSDPA: 64QAM
	LTE: QPSK / 16QAM / 64QAM / 256QAM(Downlink only)
	5G NR:
	DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Type of Modulation	CP-OFDM (QPSK / 16QAM / 64QAM / 256QAM)
	802.11b: DSSS (DBPSK / DQPSK / CCK)
	802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)
	802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
	Bluetooth LE : GFSK
	Bluetooth (1Mbps) : GFSK
	Bluetooth (2Mbps) :π/4-DQPSK
	Bluetooth (3Mbps) : 8-DPSK
	GNSS: BPSK
	NFC: ASK
	FM

1.5. Modification of EUT

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

Sporton International (Shenzhen) Inc.

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1.6. Test Location

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

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Test Firm	Sporton International (Kunshan) Inc.				
Test Site Location	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				
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.		
rest one no.	CO01-KS	CN1257	314309		

Test data subcontracted: AC Conducted Emission in section 3.1 of this report.

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

Test Firm	Sporton International (Shenzhen) Inc.					
Test Site Location	Test Site Location 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghua Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Provin China 518103 TEL: +86-755-33202398					
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.			
	03CH05-SZ	CN1256	421272			

1.7. Test Software

Item	Site	Manufacturer	Name	Version
1.	CO01-KS	AUDIX	E3	6.2009-8-24
2.	03CH05-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.

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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
	Mode 1: GSM 850 Rx(Middle) Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + Battery + USB Cable1 (Charging from Adapter) + SIM 1 for Sample 1
	Mode 2: WCDMA 850 Rx(High) Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Earphone + Battery + USB Cable2 (Charging from Adapter) + SIM 2 for Sample 1
	Mode 3: LTE Band 5 Rx(Low) Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Earphone + Battery + USB Cable1(Charging from Adapter) + SIM 1 for Sample 1
	Mode 4: LTE Band 12 Rx(Middle) Bluetooth Idle + WLAN (5G) Idle + FM(98)MHz Rx + Earphone + Battery + USB Cable1(Charging from Adapter) + SIM 2 for Sample 1
AC Conducted Emission	Mode 5: LTE Band 17 Rx(Low) Bluetooth Idle + WLAN (2.4G) Idle + NFC on + Earphone + Battery + USB Cable1(Charging from Adapter) + SIM 1 for Sample 1
	Mode 6: LTE Band 26 Rx(Low) Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Earphone + Battery + USB Cable1 (Data Link with Notebook) + SIM 2 for Sample 1
	Mode 7: GSM 850 Rx(Middle) +Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Earphone + Battery + USB Cable2 (Data Link with Notebook) + SIM 1 for Sample 1
	Mode 8: GSM 850 Rx(Middle)+ Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Earphone + Battery + USB Cable1(Data Link with Notebook)+ SIM 2 for Sample 2
	Mode 9: GSM 850 Rx(Middle)+ Bluetooth Idle+ WLAN (2.4G) Idle+Camera(Rear)+ USB Cable1(Charging from Adapter)+Earphone+ Battery + SIM 1 for Sample 2

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	Mode 1: GSM 850 Rx(Middle) Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + Battery + USB Cable1 (Charging from Adapter) + SIM 1 for Sample 1
	Mode 2: WCDMA 850 Rx(High) Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Earphone + Battery + USB Cable2 (Charging from Adapter) + SIM 2 for Sample 1
	Mode 3 LTE Band 5 Rx(Low) Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Earphone + Battery + USB Cable1(Charging from Adapter) + SIM 1 for Sample 1
Radiated	Mode 4: LTE Band 12 Rx(Middle) Bluetooth Idle + WLAN (5G) Idle + FM(98)MHz Rx + Earphone + Battery + USB Cable1(Charging from Adapter) + SIM 2 for Sample 1
Emissions	Mode 5: LTE Band 17 Rx(Low) Bluetooth Idle + WLAN (2.4G) Idle + NFC on + Earphone + Battery + USB Cable1(Charging from Adapter) + SIM 1 for Sample 1
	Mode 6: LTE Band 26 Rx(Low) Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Earphone + Battery + USB Cable1 (Data Link with Notebook) + SIM 2 for Sample 1
	Mode 7: LTE Band 26 Rx(Low) Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Earphone + Battery + USB Cable2 (Data Link with Notebook) + SIM 1 for Sample 1
	Mode 8: LTE Band 26 Rx(Low) Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Earphone + Battery + USB Cable1 (Data Link with Notebook) + SIM 2 for Sample 2
Damaric	

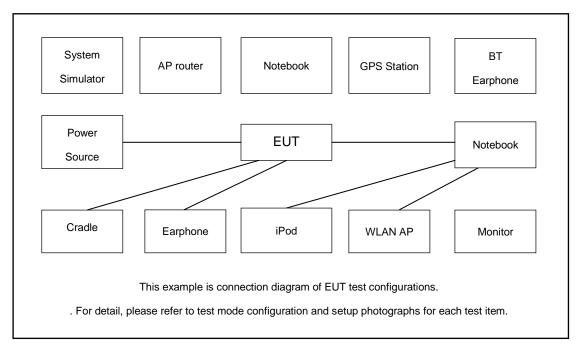
Remark:

- 1. The worst case of AC is mode 1; only the test data of this mode is reported.
- 2. The worst case of RE is mode 8; only the test data of this mode is reported.
- Data Link with Notebook means data application transferred mode between EUT and Notebook.
- 4. Pre-scanned Low/Middle/High channel, the worst channel was recorded in this report.

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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

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2.3. Support Unit used in test configuration and system

ltem	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded,1.8m
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
3.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded,1.8m
4.	Vector Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded,1.8m
5.	GPS Station	ADIVIE	MP9000	N/A	N/A	Unshielded,1.8m
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 with Core
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.	IPod	Apple	MC525 ZP/A	Fcc DoC	Shielded, 1.0m	N/A
14.	Earphone	MI	EM023	N/A	Unshielded,1.2m	N/A
15.	NFC Card	N/A	N/A	N/A	N/A	N/A

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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 MPEG4 function.
- 4. Turn on FM function to make the EUT receive continuous signals from FM station.
- 5. Turn on GNSS function to make the EUT receive continuous signals from GNSS station.
- 6. Turn on NFC function

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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	Conducted	Conducted limit (dBuV)			
(MHz)	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.

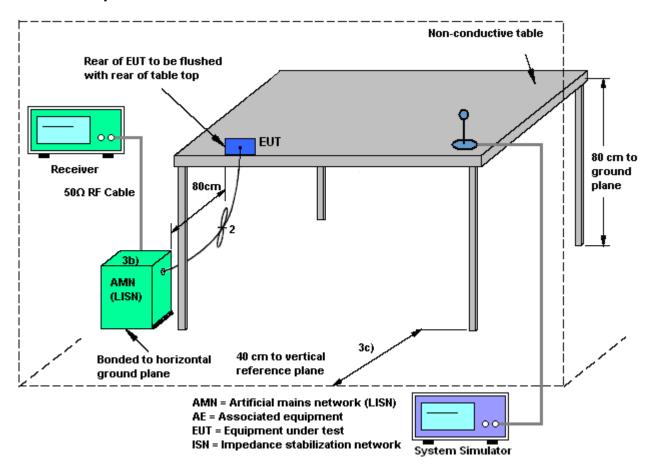
3.1.2 Measuring Instruments

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



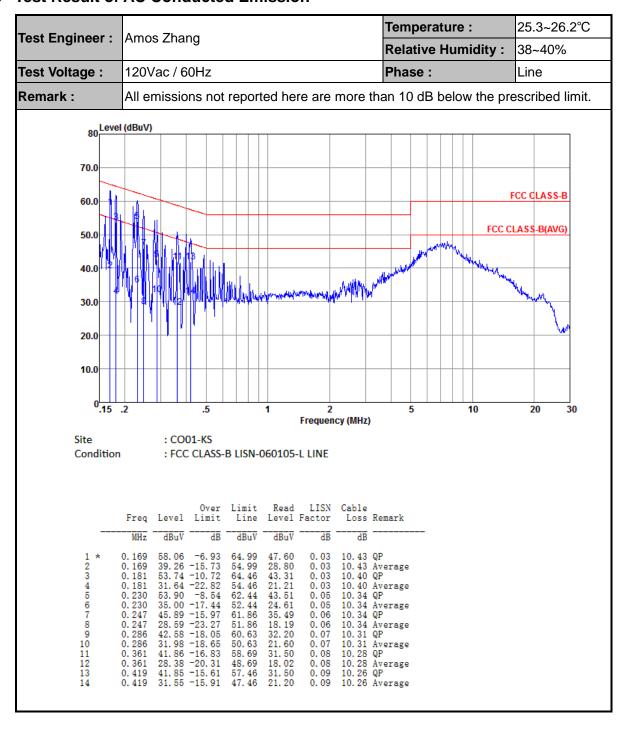
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3.1.5 Test Result of AC Conducted Emission



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25.3~26.2°C Temperature: Test Engineer: Amos Zhang **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. 80 Level (dBuV) 70.0 FCC CLASS-B 60.0 FCC CLASS-B(AVG) 50.0 40.0 30.0 20.0 10.0 0.15 .2 .5 5 10 20 30 Frequency (MHz) : CO01-KS Site Condition : FCC CLASS-B LISN-060105-N NEUTRAL 0ver Read LISN Limit Cable Level Factor Loss Remark MHz dBuV dB dBuV dBuV -13. 10 -16. 70 -15. 96 -24. 86 -15. 91 -24. 31 -22. 76 -25. 16 -22. 31 65. 78 55. 78 64. 68 54. 68 62. 96 52. 96 59. 35 52.68 42.10 0.11 10,47 QP 39. 08 48. 72 29. 82 47. 05 28. 65 36. 59 0. 11 0. 10 0. 10 0. 10 0. 10 0. 10 28. 50 38. 20 19. 30 10.47 Average 10.42 QP 10.42 Average 0. 154 0. 176 0. 176 36. 60 18. 20 26. 20 13. 80 27. 19 0.216 0.216 10.35 QP 10.35 Average 10.29 QP 10.29 Average 10.30 QP 24. 19 -25. 16 37. 69 -22. 31 31. 69 -18. 31 38. 62 -21. 38 0. 10 0. 20 0. 20 0. 21 49.35 0.3346. 627 60.00 6. 627 7. 769 7. 769 21. 19 28. 10 50.00 60.00 10.30 Average 10.31 QP 10 11 50.00 20.90

Note:

- 1. Level(dB μ V) = Read Level(dB μ V) + LISN Factor(dB) + Cable Loss(dB)
- 2. Over Limit(dB) = Level(dB μ V) Limit Line(dB μ V)

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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	Field Strength	Measurement Distance		
(MHz)	(microvolts/meter)	(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.

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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 μ V/m) = 20 log Emission level (μ 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.

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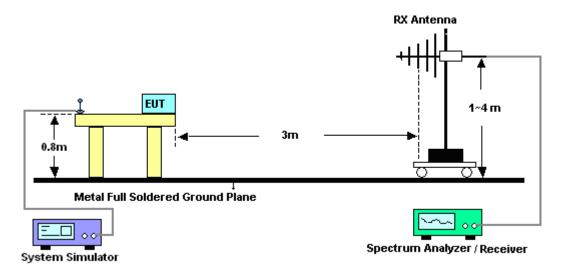
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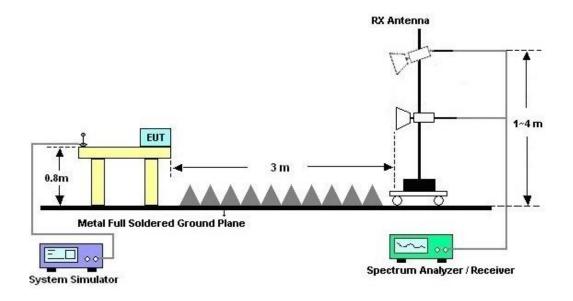
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

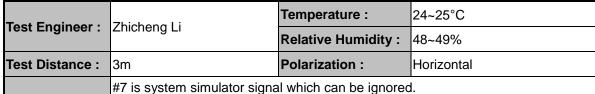


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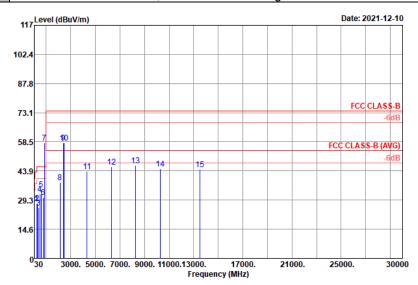
3.2.5. Test Result of Radiated Emission



#7 is system simulator signal which can be ignored.

Remark: #0 and #10 are RF signals which come from Blueto.

#9 and #10 are RF signals which come from Bluetooth and WLAN Access Point used to connect the EUT, and which can be ignored.



Site : 03CH05-SZ

Condition : FCC CLASS-B 3m VULB9168-01001 HORIZONTAL

	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	223.03	27.34	-18.66	46.00	42.36	17.23	2.80	35.05			Peak
2	279.29	27.81	-18.19	46.00	40.39	19.31	3.05	34.94			Peak
3	383.08	25.54	-20.46	46.00	35.35	21.74	3.28	34.83			Peak
4	480.08	32.17	-13.83	46.00	39.93	23.54	3.40	34.70			Peak
5	605.21	34.71	-11.29	46.00	39.47	25.85	3.89	34.50			Peak
6	758.47	30.60	-15.40	46.00	33.14	27.95	3.89	34.38			Peak
7 *	864.20	58.03			59.52	28.69	4.12	34.30			Peak
8	2122.00	38.08	-35.92	74.00	53.46	27.41	7.48	50.27			Peak
9	2402.00	58.07			72.91	27.79	7.81	50.44			Peak
10	2437.00	57.89			72.84	27.65	7.86	50.46			Peak
11	4332.00	43.53	-30.47	74.00	52.87	30.43	9.83	49.60			Peak
12	6340.00	46.02	-27.98	74.00	50.41	33.41	11.13	48.93			Peak
13	8286.00	46.65	-27.35	74.00	46.46	37.21	12.81	49.83			Peak
14	10276.00	44.85	-29.15	74.00	41.45	39.50	12.61	48.71			Peak
15	13532.00	44.80	-29.20	74.00	38.01	39.97	13.86	47.04			Peak

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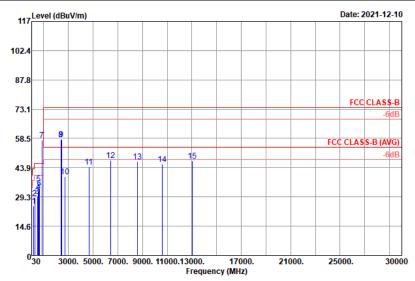
Temperature: 24~25°C Test Engineer: Zhicheng Li 48~49% **Relative Humidity:** Test Distance: Polarization: Vertical #7 is system simulator signal which can be ignored.

Remark:

#8 and #9 are RF signals which come from Bluetooth and WLAN Access Point used to connect the EUT, and which can be ignored.

Report No.: FC1N1013-01





: 03CH05-SZ Site

Condition : FCC CLASS-B 3m VULB9168-01001 VERTICAL

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	199.75	24.62	-18.88	43.50	40.53	16.44	2.75	35.10			Peak
2	279.29	28.63	-17.37	46.00	41.21	19.31	3.05	34.94			Peak
3	480.08	29.79	-16.21	46.00	37.55	23.54	3.40	34.70			Peak
4	558.65	32.09	-13.91	46.00	38.01	24.97	3.69	34.58			Peak
5	605.21	35.98	-10.02	46.00	40.74	25.85	3.89	34.50			Peak
6	644.01	33.51	-12.49	46.00	37.86	26.26	3.89	34.50			Peak
7	* 864.20	57.80			59.29	28.69	4.12	34.30			Peak
8	2402.00	58.10			72.94	27.79	7.81	50.44			Peak
9	2436.00	58.12			73.07	27.66	7.85	50.46			Peak
10	2752.00	39.59	-34.41	74.00	53.36	28.01	8.42	50.20			Peak
11	4666.00	44.39	-29.61	74.00	52.65	31.07	10.24	49.57			Peak
12	6428.00	47.52	-26.48	74.00	51.42	33.79	11.22	48.91			Peak
13	8588.00	47.08	-26.92	74.00	46.60	37.12	13.02	49.66			Peak
14	10614.00	45.75	-28.25	74.00	41.06	40.06	12.94	48.31			Peak
15	13046.00	47.26	-26.74	74.00	38.37	39.17	16.36	46.64			Peak

Note:

- 1. Level($dB\mu V/m$) = Read Level($dB\mu V$) + Antenna Factor(dB/m) + Cable Loss(dB) Preamp Factor(dB)
- 2. Over Limit(dB) = Level(dB μ V/m) Limit Line(dB μ V/m)

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Dec. 10, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2021	Dec. 10, 2021	Oct. 16, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 17, 2021	Dec. 10, 2021	Oct. 16, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2021	Dec. 10, 2021	Oct. 16, 2022	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	102261	9kHz~7GHz	May 21, 2021	Dec. 10, 2021	May 20, 2022	Radiation (03CH05-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071191	10Hz~44GHz	Apr. 07, 2021	Dec. 10, 2021	Apr. 06, 2022	Radiation (03CH05-SZ)
Log-periodic Antenna	SCHWARZBE CK	VULB 9168	01001	20MHz~1.5GHz	Mar. 25, 2021	Dec. 10, 2021	Mar. 24, 2022	Radiation (03CH05-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz ~3000MHz	Apr. 07, 2021	Dec. 10, 2021	Apr. 06, 2022	Radiation (03CH05-SZ)
Double Ridge Horn Antenna	SCHWARZBE CK	BBHA9120D	9120D-2206	1GHz~18GHz	Apr. 11, 2021	Dec. 10, 2021	Apr. 10, 2022	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM01G18GA	060781	1GHz~18GHz	Apr. 07, 2021	Dec. 10, 2021	Apr. 06, 2022	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM18G40G	060778	18GHz~40GHz	Apr. 07, 2021	Dec. 10, 2021	Apr. 06, 2022	Radiation (03CH05SZ)
Horn Antenna	SCHWARZBE CK	BBHA9170	00983	15GHz~40GHz	Apr. 11. 2021	Dec. 10, 2021	Apr. 10, 2022	Radiation (03CH05-SZ)
AC Power Source	APC	AFV-S-600	F119050013	N/A	NCR	Dec. 10, 2021	NCR	Radiation (03CH05-SZ)
Turn Table	EMEC	T-200-S-1	060925-T	0~360 degree	NCR	Dec. 10, 2021	NCR	Radiation (03CH05-SZ)
Antenna Mast	EMEC	MBS-400-1	060927	1 m~4 m	NCR	Dec. 10, 2021	NCR	Radiation (03CH05-SZ)

NCR: No Calibration Required

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5. Uncertainty of Evaluation

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

- 1		
	Measuring Uncertainty for a Level of Confidence	2.94dB
	of 95% (U = 2Uc(y))	2.94ub

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

Measuring Uncertainty for a Level of Confidence	4.2dB
of 95% (U = 2Uc(y))	

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	5.1dB
of 95% (U = 2Uc(y))	5.10B

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence	
inducating chockamity for a zover or confidence	4.1dB
of 95% (U = 2Uc(y))	4.100
01.93% (0 = 200(y))	1

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