



FCC Test Report

APPLICANT : Xiaomi Communications Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : Xiaomi
MODEL NAME : 25010PN30G
FCC ID : 2AFZZPN30G
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification
TEST DATE(S) : Nov. 11, 2024 ~ Nov. 24, 2024

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.

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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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 7.12 dB at 1.560 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.31 dB at 32.910 MHz for Quasi-Peak

Conformity Assessment Condition:

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

Disclaimer:

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



1. General Description

1.1. Applicant

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	25010PN30G
FCC ID	2AFZZPN30G
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 EHT20/EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE NFC/WPT
IMEI Code	Conduction: 869203070050141/869203070050158 forSample1 869203070083548/869203070083555 forSample2 Radiation: 869203070052303/869203070052311 forSample1 869203070083548/869203070083555 forSample2 869203070088182/869203070088190 forSample3
HW Version	1353000O1
SW Version	Xiaomi HyperOS 2.0
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 samples with different memory capacity and back cover: Sample 1 with 16+512G (Fiberglass back cover), Sample 2 with 16+1T (White fiberglass back cover), Sample 3 with 16+512G (Fiberglass + PU



	802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM) 802.11be: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK NFC: ASK WPT: ASK GNSS : BPSK
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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.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH02-KS	CN1257	314309

1.7. Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-KS	AUDIX	E3	6.2009-8-24a1
2.	CO01-KS	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) + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Battery + USB Cable (Charging from Adapter) + SIM 1 + ANT 0 for Sample 1
	Mode 2: WCDMA band V Rx(Middle) + Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Battery + USB Cable (EUT (eMMC) USB Data Link to NB)+ SIM 2 + ANT 0 for Sample 1
	Mode 3: LTE Band 26 Rx(High) + Bluetooth Idle + WLAN (6G) Idle + MPEG4(Run Color Bar) + Battery + USB Cable (NB USB Data Link to EUT (eMMC)) + ESIM + ANT 0 for Sample 1
	Mode 4: n5 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + NFC On + Battery + USB Cable (Charging from wireless charging cradle) + SIM(1) + ANT 0 for Sample 1
	Mode 5: LTE B13 Rx(High) + Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Battery + USB Cable (Charging from Adapter) + SIM(1) + ANT 0 for Sample 1
	Mode 6: LTE B17 Rx(Low) + Bluetooth Idle + WLAN (6G) Idle + Camera(Front) + Battery + USB Cable (Charging from Adapter) + ANT 0 for Sample 1
	Mode 7: n5 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + NFC On + Battery + USB Cable (EUT (eMMC) USB Data Link to NB) + SIM(1) + ANT 0 for Sample 2

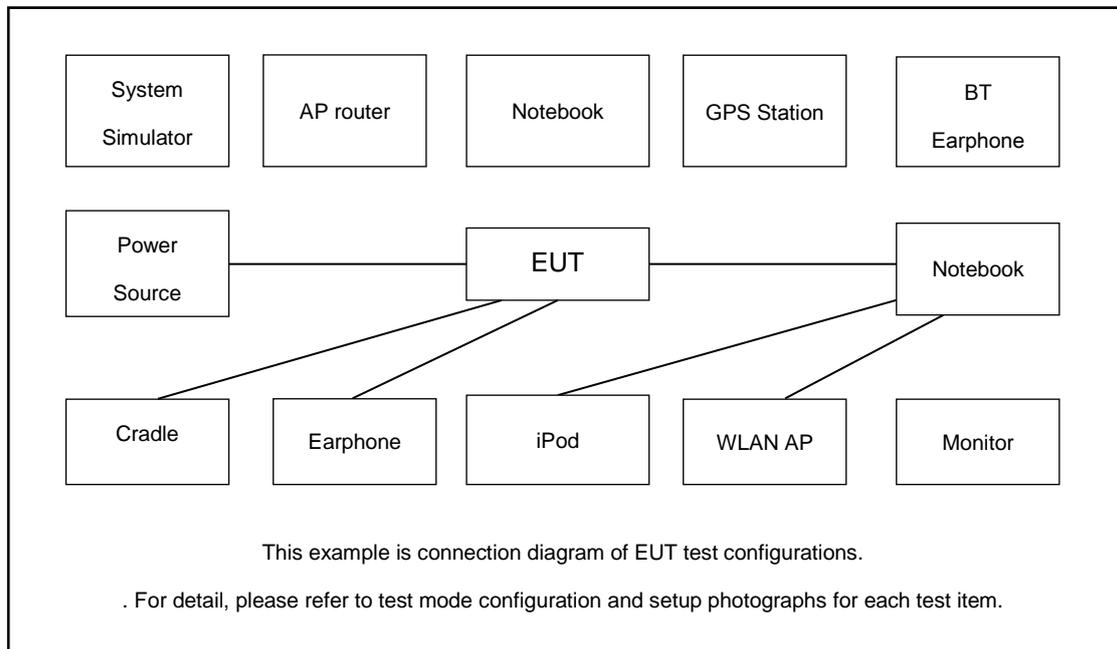


Radiated Emissions	<p>Mode 1: GSM 850 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Battery + USB Cable (Charging from Adapter) + SIM 1 + ANT 0 for Sample 1</p> <p>Mode 2: WCDMA band V Rx(Middle) + Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Battery + Earphone + SIM 2 + ANT 0 for Sample 1</p> <p>Mode 3: LTE Band 26 Rx(High) + Bluetooth Idle + WLAN (6G) Idle + MPEG4(Run Color Bar) + Battery + USB Cable (EUT (eMMC) USB Data Link to NB)+ ESIM + ANT 0 for Sample 1</p> <p>Mode 4: n5 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + NFC On + Battery + USB Cable (NB USB Data Link to EUT (eMMC)) + SIM(1) + ANT 0 for Sample 1</p> <p>Mode 5: LTE B13 Rx(High) + Bluetooth Idle + WLAN (5G) Idle + GNSS Rx + Battery + USB Cable(Typec to Typec)(EUT Charging to other phones) + SIM(1) + ANT 0 for Sample 1</p> <p>Mode 6: LTE B17 Rx(Low) + Bluetooth Idle + WLAN (6G) Idle + Camera(Front) + Battery + USB Cable (Charging from wireless charging cradle)+ ANT 0 for Sample 1</p> <p>Mode 7: n5 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Battery + EUT wireless charge the other phones + SIM(1) + ANT 0 for Sample 1</p> <p>Mode 8: n5 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + NFC On + Battery + USB Cable (NB USB Data Link to EUT (eMMC)) + USB Cable (Data Link to EUT (eMMC) + SIM(1) + ANT 0 for Sample 2</p> <p>Mode 9: n5 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + NFC On + Battery + USB Cable (NB USB Data Link to EUT (eMMC)) + USB Cable (Data Link to EUT (eMMC) + SIM(1) + ANT 0 for Sample 3</p>
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Remark:

1. The worst case of AC is mode 4; only the test data of this mode is reported.
2. The worst case of RE is mode 4; 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 13/17/26 and 5G NR 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.	Base Station(LTE)	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Base Station(5G)	Anritsu	MT8821C	N/A	N/A	Unshielded,1.8m
3.	Base Station(5G)	Anritsu	MT8000A	N/A	N/A	Unshielded,1.8m
4.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
5.	Bluetooth Earphone	Lenovo	thinkplus-BH3	N/A	N/A	N/A
6.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m, Unshielded AC I/P cable 1.8m
7.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
8.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
9.	Earphone	Xiaomi	N/A	N/A	N/A	N/A
10.	OTG cable	N/A	N/A	N/A	N/A	N/A
11.	Phone	Xiaomi	N/A	N/A	N/A	N/A
12.	Wireless charging cradle	Xiaomi	N/A	N/A	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA 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.

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 GNSS function to make the EUT receive continuous signals from GNSS station.
5. Turn on NFC function
6. Wireless Charge from a Wireless Charger.
7. Wireless Charge the other phone.



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.

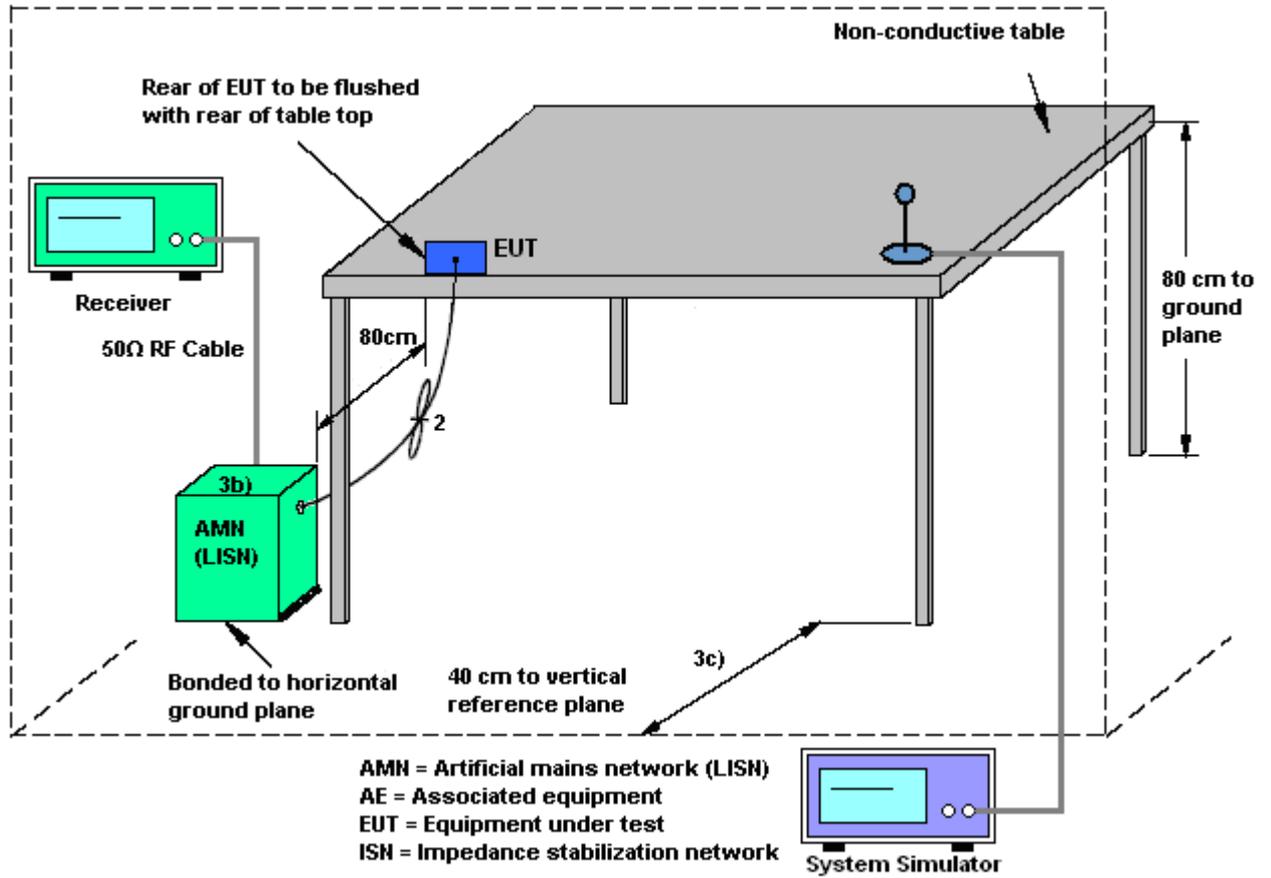
3.1.2 Measuring Instruments

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.

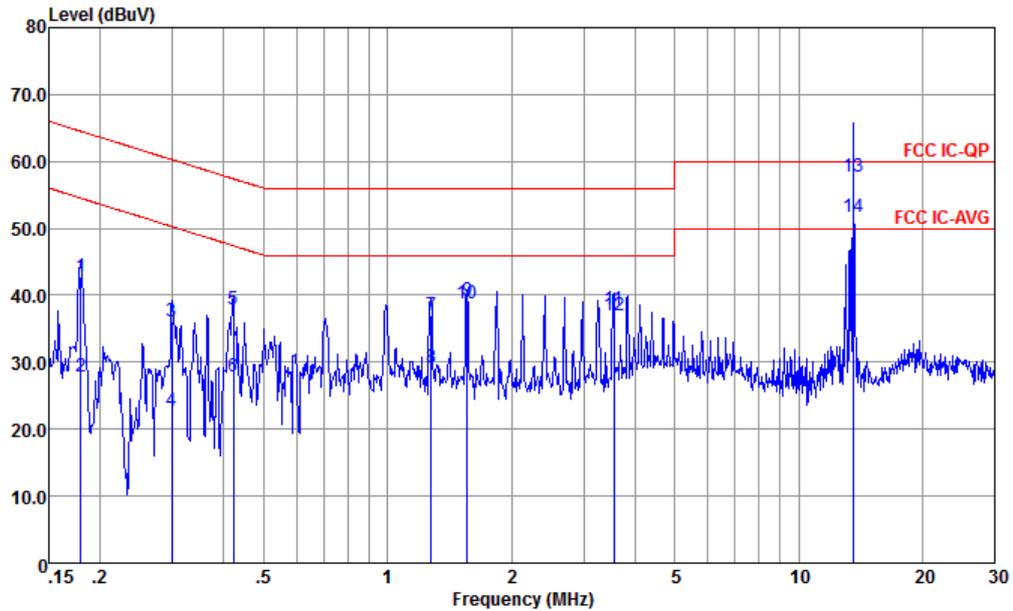
3.1.4 Test Setup





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 :	#13 is NFC RF signal which can be ignored.		

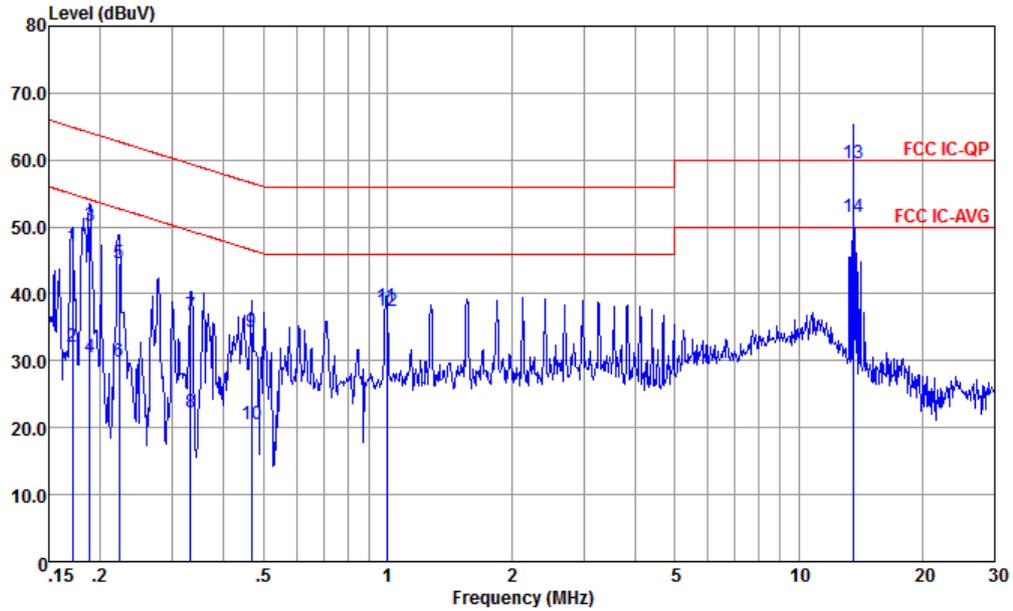


Site : CO01-KS
 Condition : FCC IC-QP LISN-060105-L 2024 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.180	42.81	-21.69	64.50	32.31	0.09	10.41	QP
2	0.180	27.81	-26.69	54.50	17.31	0.09	10.41	Average
3	0.299	36.02	-24.26	60.28	25.60	0.09	10.33	QP
4	0.299	22.72	-27.56	50.28	12.30	0.09	10.33	Average
5	0.421	37.82	-19.60	57.42	27.59	-0.04	10.27	QP
6	0.421	27.82	-19.60	47.42	17.59	-0.04	10.27	Average
7	1.276	36.99	-19.01	56.00	27.09	-0.19	10.09	QP
8	1.276	29.19	-16.81	46.00	19.29	-0.19	10.09	Average
9	1.560	39.18	-16.82	56.00	29.31	-0.21	10.08	QP
10	1.560	38.88	-7.12	46.00	29.01	-0.21	10.08	Average
11	3.547	37.79	-18.21	56.00	27.90	-0.18	10.07	QP
12	3.547	36.89	-9.11	46.00	27.00	-0.18	10.07	Average
13	13.551	57.81			46.90	-0.20	11.11	QP
14 *	13.551	51.71			40.80	-0.20	11.11	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	#13 is NFC RF signal which can be ignored.		



Site : CO01-KS
 Condition : FCC IC-QP LISN-060105-N 2024 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.171	47.04	-17.86	64.90	36.50	0.12	10.42	QP
2	0.171	32.17	-22.73	54.90	21.63	0.12	10.42	Average
3	0.188	50.14	-13.97	64.11	39.60	0.13	10.41	QP
4	0.188	30.64	-23.47	54.11	20.10	0.13	10.41	Average
5	0.222	44.66	-18.08	62.74	34.21	0.06	10.39	QP
6	0.222	29.76	-22.98	52.74	19.31	0.06	10.39	Average
7	0.332	36.79	-22.61	59.40	26.61	-0.13	10.31	QP
8	0.332	22.39	-27.01	49.40	12.21	-0.13	10.31	Average
9	0.466	34.39	-22.19	56.58	24.30	-0.15	10.24	QP
10	0.466	20.39	-26.19	46.58	10.30	-0.15	10.24	Average
11	0.994	38.21	-17.79	56.00	28.30	-0.18	10.09	QP
12	0.994	37.51	-8.49	46.00	27.60	-0.18	10.09	Average
13	13.551	59.53			48.63	-0.21	11.11	QP
14 *	13.551	51.50			40.60	-0.21	11.11	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.

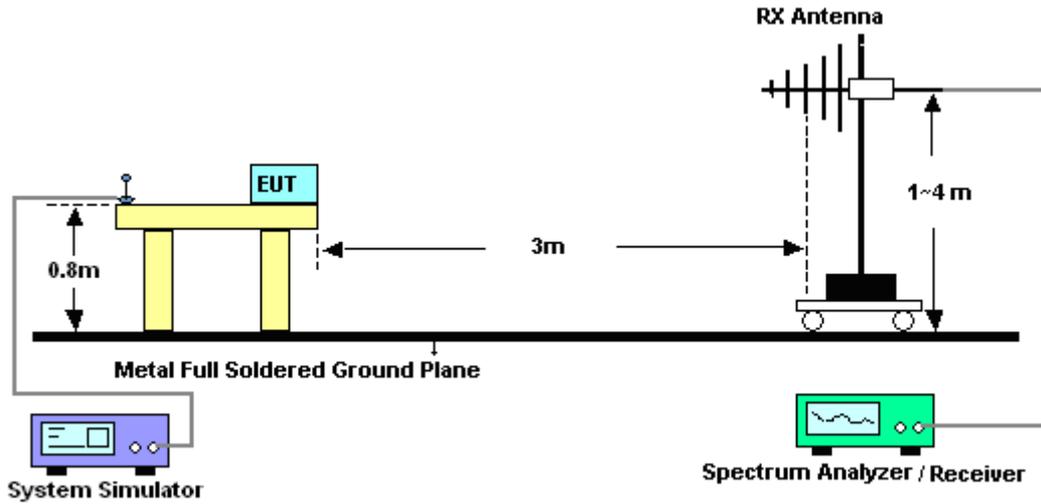


3.2.3. Test Procedures

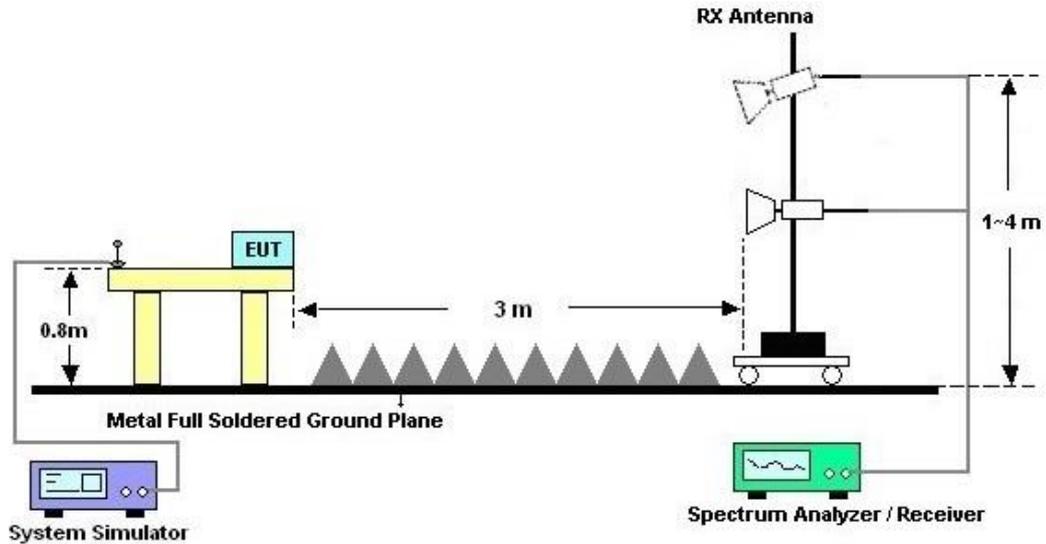
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 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.

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



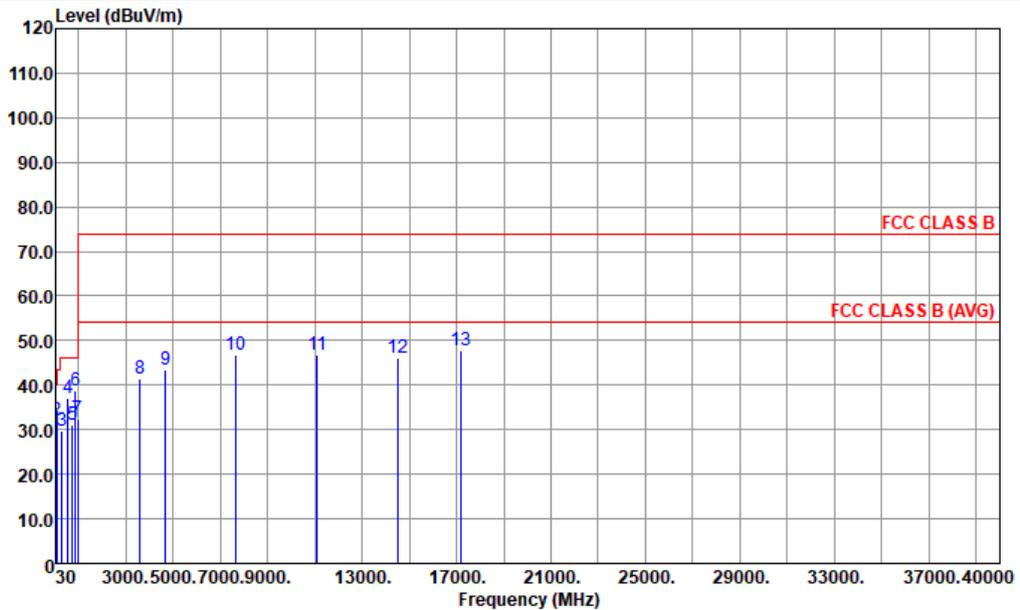
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Engineer :	Moon He	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		

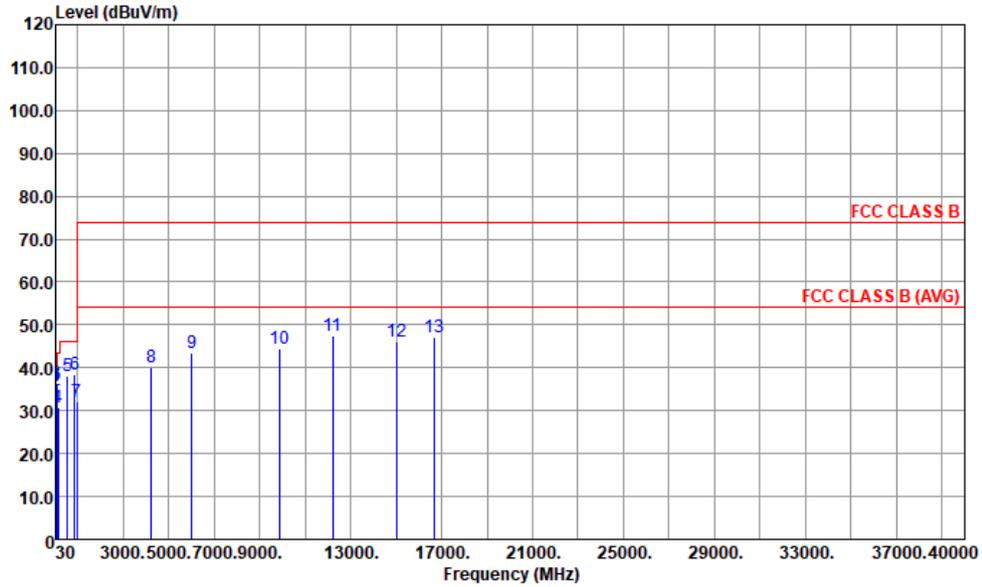


Site : 03CH02-KS
 Condition : FCC CLASS B 3m 44483 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	63.95	30.17	-9.83	40.00	49.92	12.05	0.92	32.72	---	Peak
2	67.83	32.25	-7.75	40.00	51.62	12.37	0.97	32.71	---	Peak
3	307.42	29.72	-16.28	46.00	40.66	19.42	2.47	32.83	---	Peak
4	560.59	37.03	-8.97	46.00	40.60	26.35	3.32	33.24	---	Peak
5	753.62	31.16	-14.84	46.00	32.32	28.21	3.83	33.20	---	Peak
6 p	880.69	38.78			37.80	29.28	4.13	32.43	---	Peak
7	971.87	32.51	-21.49	54.00	28.61	30.99	4.34	31.43	---	Peak
8	3618.00	41.35	-32.65	74.00	63.38	33.13	8.47	63.63	---	Peak
9	4689.00	43.41	-30.59	74.00	63.70	34.23	9.65	64.17	---	Peak
10	7681.00	46.71	-27.29	74.00	62.41	35.67	12.46	63.83	---	Peak
11	11098.00	46.77	-27.23	74.00	56.10	37.90	14.49	61.72	---	Peak
12	14532.00	46.13	-27.87	74.00	51.22	39.67	17.48	62.24	---	Peak
13	17167.00	47.71	-26.29	74.00	50.25	40.97	19.27	62.78	---	Peak



Test Engineer :	Moon He	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH02-KS
 Condition : FCC CLASS B 3m 44483 VERTICAL

	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	q	32.91	35.69	-4.31	40.00	44.19	23.78	0.51	32.79	100	196	QP
2		63.95	34.76	-5.24	40.00	54.51	12.05	0.92	32.72	---	---	Peak
3	p	67.83	36.57	-3.43	40.00	55.94	12.37	0.97	32.71	---	---	Peak
4		138.64	30.63	-12.87	43.50	43.98	17.73	1.62	32.70	---	---	Peak
5		560.59	37.96	-8.04	46.00	41.53	26.35	3.32	33.24	---	---	Peak
6		881.66	38.46			37.49	29.26	4.14	32.43	---	---	Peak
7		967.02	32.22	-21.78	54.00	28.34	31.03	4.33	31.48	---	---	Peak
8		4247.00	40.25	-33.75	74.00	60.85	34.10	9.17	63.87	---	---	Peak
9		6015.00	43.37	-30.63	74.00	61.36	35.23	11.02	64.24	---	---	Peak
10		9857.00	44.30	-29.70	74.00	55.99	37.00	13.66	62.35	---	---	Peak
11		12220.00	47.49	-26.51	74.00	54.00	38.72	15.75	60.98	---	---	Peak
12		15025.00	46.27	-27.73	74.00	51.35	39.82	17.64	62.54	---	---	Peak
13		16674.00	47.02	-26.98	74.00	49.46	41.43	18.89	62.76	---	---	Peak

Note:

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



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Oct. 11, 2024	Nov. 11, 2024	Oct. 10, 2025	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 11, 2024	Nov. 11, 2024	Oct. 10, 2025	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 06, 2023	Nov. 11, 2024	Dec. 05, 2024	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Mar. 01, 2024	Nov. 11, 2024	Feb. 28, 2025	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 27, 2024	Nov. 11, 2024	Jan. 26, 2025	Radiation (03CH02-KS)
Amplifier	EM	EM18G40GGA	060852	18~40GHz	Jan. 02, 2024	Nov. 11, 2024	Jan. 01, 2025	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	413740	9KHz-1GHz	Jan. 03, 2024	Nov. 11, 2024	Jan. 02, 2025	Radiation (03CH02-KS)
Amplifier	EM	EM01G18G	060840	1Ghz-18Ghz	Oct. 09, 2024	Nov. 11, 2024	Oct. 08, 2025	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Nov. 11, 2024	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Nov. 11, 2024	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Nov. 11, 2024	NCR	Radiation (03CH02-KS)
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz;	Apr. 18, 2024	Nov. 11, 2024 ~Nov. 24, 2024	Apr. 17, 2025	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Aug. 20, 2024	Nov. 11, 2024 ~Nov. 24, 2024	Aug. 19, 2025	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr. 18, 2024	Nov. 11, 2024 ~Nov. 24, 2024	Apr. 17, 2025	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 09, 2024	Nov. 11, 2024 ~Nov. 24, 2024	Oct. 8, 2025	Conduction (CO01-KS)

NCR: No Calibration Required



5. Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.84dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.04dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.12dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.30dB
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