



FCC Test Report

APPLICANT : MeiG Smart Technology Co., Ltd
EQUIPMENT : Smart Module
BRAND NAME : MEIGLink
MODEL NAME : SLM920
FCC ID : 2APJ4-SLM920
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification
TEST DATE(S) : Aug. 07, 2023 ~ Aug. 17, 2023

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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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC372609	Rev. 01	Initial issue of report	Sep. 06, 2023



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 17.45 dB at 0.449 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.34 dB at 400.540 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/manufacturer 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

MeiG Smart Technology Co., Ltd

2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen City.

1.2. Manufacturer

MeiG Smart Technology Co., Ltd

2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen City.

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Module
Brand Name	MEIGLink
Model Name	SLM920
FCC ID	2APJ4-SLM920
EUT supports Radios application	GSM/WCDMA/LTE 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
IMEI Code	Conduction: 860662054883448 Radiation: 860662054883448
HW Version	V1.03
SW Version	V01-T02
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	
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 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 14 : 788 MHz ~ 798 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 814 MHz ~ 849 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac: 5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Rx Frequency	GSM850: 869 MHz ~ 894 MHz GSM1900: 1930 MHz ~ 1990 MHz WCDMA Band II: 1930 MHz ~ 1990 MHz WCDMA Band IV : 2110 MHz ~ 2155 MHz WCDMA Band V: 869 MHz ~ 894 MHz LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 14 : 758 MHz ~ 768 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 859 MHz ~ 894 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 2110 MHz~ 2200 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac: 5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz GNSS : 1559 MHz ~ 1610 MHz
Antenna Type	WWAN : Glue stick Antenna WLAN : Glue stick Antenna Bluetooth : Glue stick Antenna



Type of Modulation	GNSS: Glue stick Antenna 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 / 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) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK 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

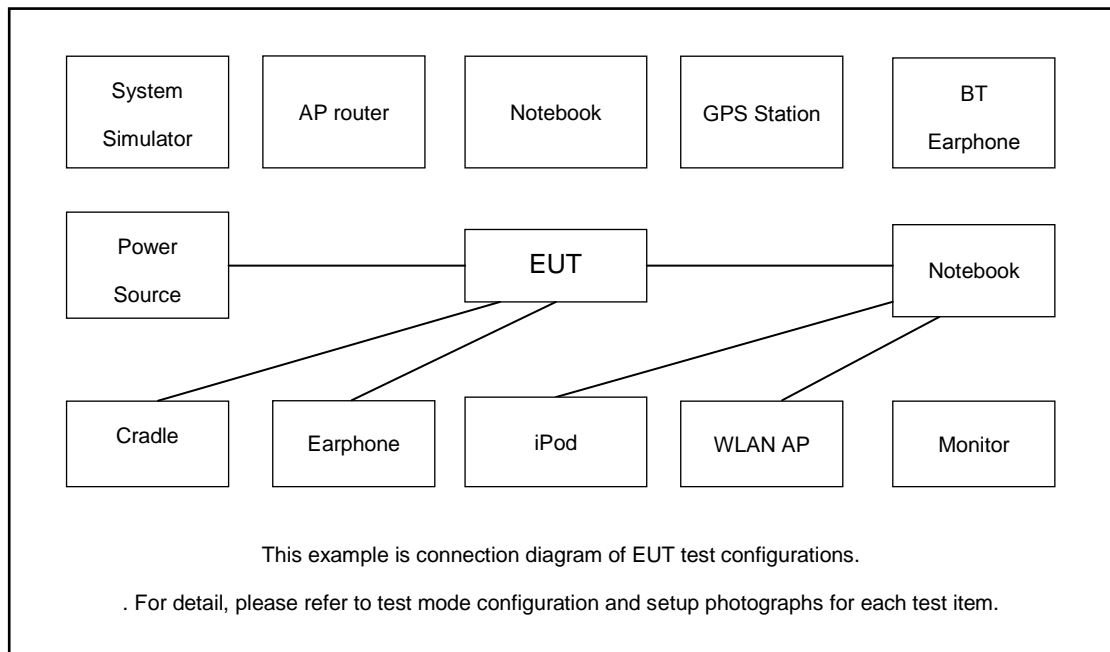
2.1. Test Mode

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 CH) + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX + Charge from test jig
	Mode 2: WCDMA Band V Rx(Middle CH) + Bluetooth Idle + WLAN (5G) Idle + GNSS RX + Charge from test jig
	Mode 3: LTE Band 14 Rx(Middle CH) + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX + Charge from test jig
	Mode 4: LTE Band 12 Rx(Low CH) + Bluetooth Idle + WLAN (5G) Idle + GNSS RX + Charge from test jig
	Mode 5: LTE Band 26 Rx(High CH) + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX + Charge from test jig
	Mode 6: LTE Band 13 Rx(High CH) + Bluetooth Idle + WLAN (5G) Idle + GNSS RX + Charge from test jig
Radiated Emissions	Mode 1: GSM 850 Rx(Middle CH) + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX + Charge from test jig
	Mode 2: WCDMA Band V Rx(Middle CH) + Bluetooth Idle + WLAN (5G) Idle + GNSS RX + Charge from test jig
	Mode 3: LTE Band 14 Rx(Middle CH) + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX + Charge from test jig
	Mode 4: LTE Band 12 Rx(Low CH) + Bluetooth Idle + WLAN (5G) Idle + GNSS RX + Charge from test jig
	Mode 5: LTE Band 26 Rx(High CH) + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX + Charge from test jig
	Mode 6: LTE Band 13 Rx(High CH) + Bluetooth Idle + WLAN (5G) Idle + GNSS RX + Charge from test jig
Remark:	
<ol style="list-style-type: none"> The worst case of AC is mode 1; only the test data of this mode is reported. The worst case of RE is mode 4; only the test data of this mode is reported. Pre-scanned Low/Middle/High channel for GSM 850/WCDMA Band V/LTE Band 12/13/14/26, 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.	LTE Base Station	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
2.	LTE Base Station	Anritus	MT8820C	N/A	N/A	Unshielded,1.8m
3.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded,1.8m
4.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
5.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
6.	Bluetooth Earphone	Lenovo	thinkplus-BH3	N/A	N/A	N/A
7.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m Unshielded AC I/P cable 1.8m
8.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
9.	test jig	N/A	N/A	N/A	N/A	N/A
10.	Antenna	N/A	N/A	N/A	N/A	N/A
11.	Adapter	N/A	N/A	N/A	N/A	N/A



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. 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.

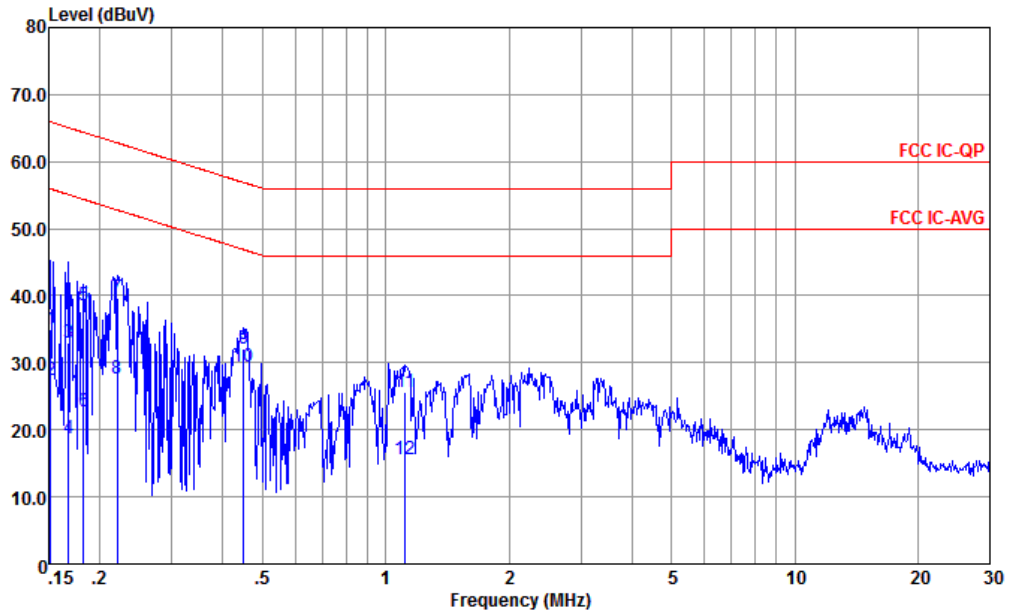
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	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.		

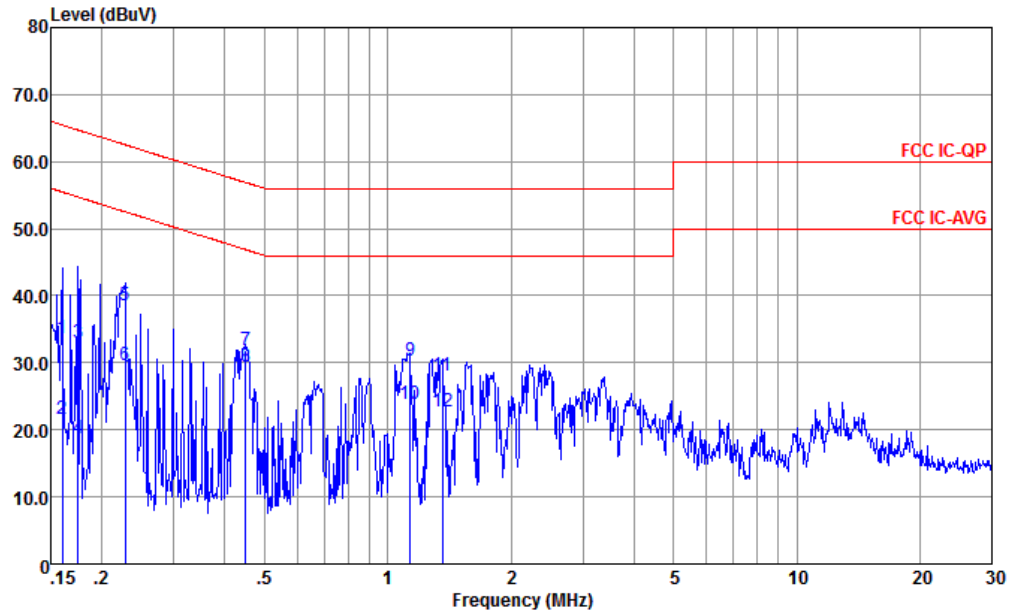


Site : CO01-KS
Condition : FCC IC-QP LISN-060105-L 2023 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.152	34.98	-30.93	65.91	24.50	0.05	10.43	QP
2	0.152	27.38	-28.53	55.91	16.90	0.05	10.43	Average
3	0.168	32.97	-32.11	65.08	22.50	0.04	10.43	QP
4	0.168	18.67	-36.41	55.08	8.20	0.04	10.43	Average
5	0.182	38.56	-25.81	64.37	28.10	0.04	10.42	QP
6	0.182	22.66	-31.71	54.37	12.20	0.04	10.42	Average
7	0.221	39.64	-23.15	62.79	29.21	0.03	10.40	QP
8	0.221	27.64	-25.15	52.79	17.21	0.03	10.40	Average
9	0.449	32.14	-24.75	56.89	21.91	-0.02	10.25	QP
10 *	0.449	29.44	-17.45	46.89	19.21	-0.02	10.25	Average
11	1.117	25.59	-30.41	56.00	15.60	-0.11	10.10	QP
12	1.117	15.49	-30.51	46.00	5.50	-0.11	10.10	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-N 2023 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.160	33.67	-31.80	65.47	23.20	0.04	10.43	QP
2	0.160	21.67	-33.80	55.47	11.20	0.04	10.43	Average
3	0.175	32.97	-31.75	64.72	22.50	0.05	10.42	QP
4	0.175	18.67	-36.05	54.72	8.20	0.05	10.42	Average
5	0.228	38.62	-23.90	62.52	28.20	0.02	10.40	QP
6	0.228	29.72	-22.80	52.52	19.30	0.02	10.40	Average
7	0.449	31.79	-25.10	56.89	21.60	-0.06	10.25	QP
8 *	0.449	29.39	-17.50	46.89	19.20	-0.06	10.25	Average
9	1.135	30.20	-25.80	56.00	20.20	-0.10	10.10	QP
10	1.135	23.90	-22.10	46.00	13.90	-0.10	10.10	Average
11	1.359	28.18	-27.82	56.00	18.20	-0.11	10.09	QP
12	1.359	22.78	-23.22	46.00	12.80	-0.11	10.09	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.

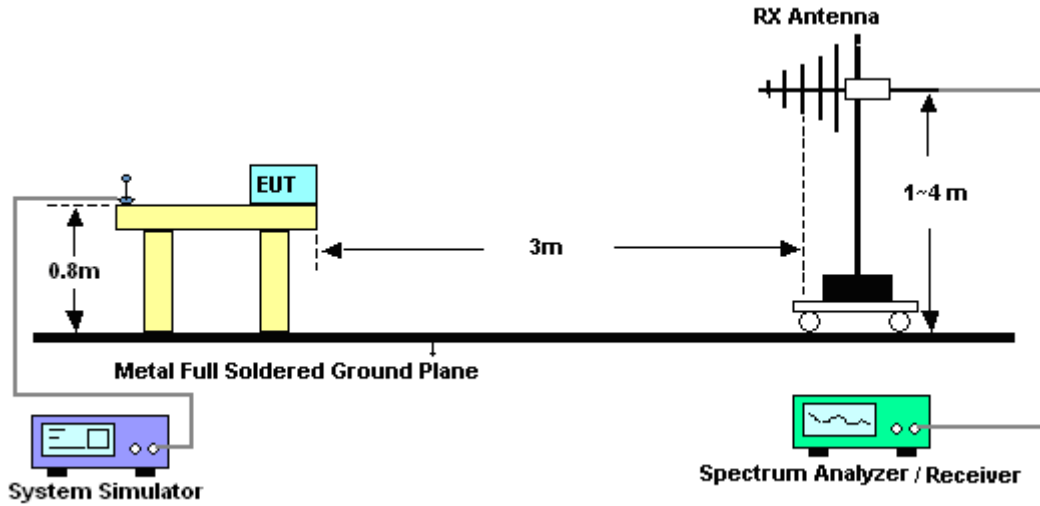


3.2.3. Test Procedures

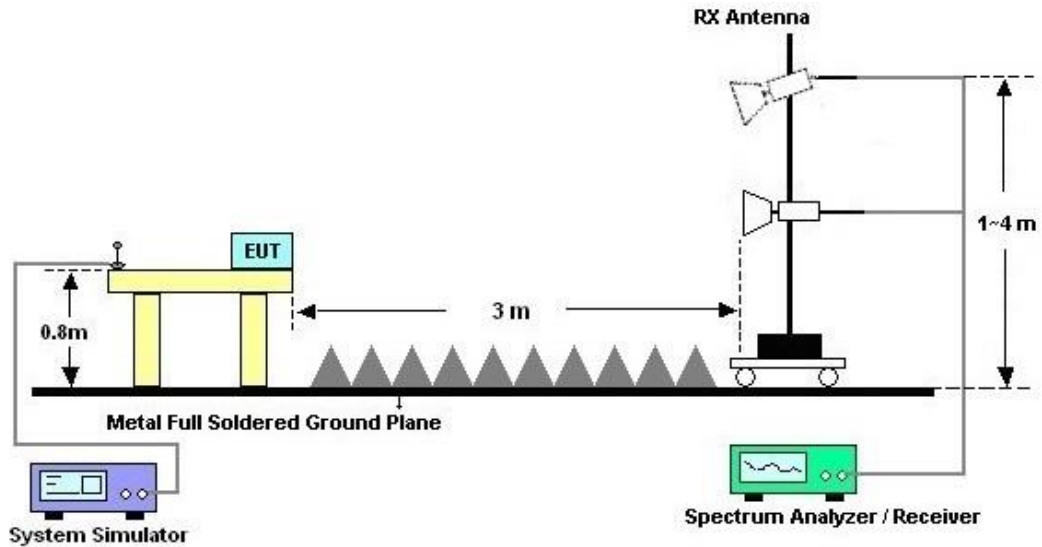
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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



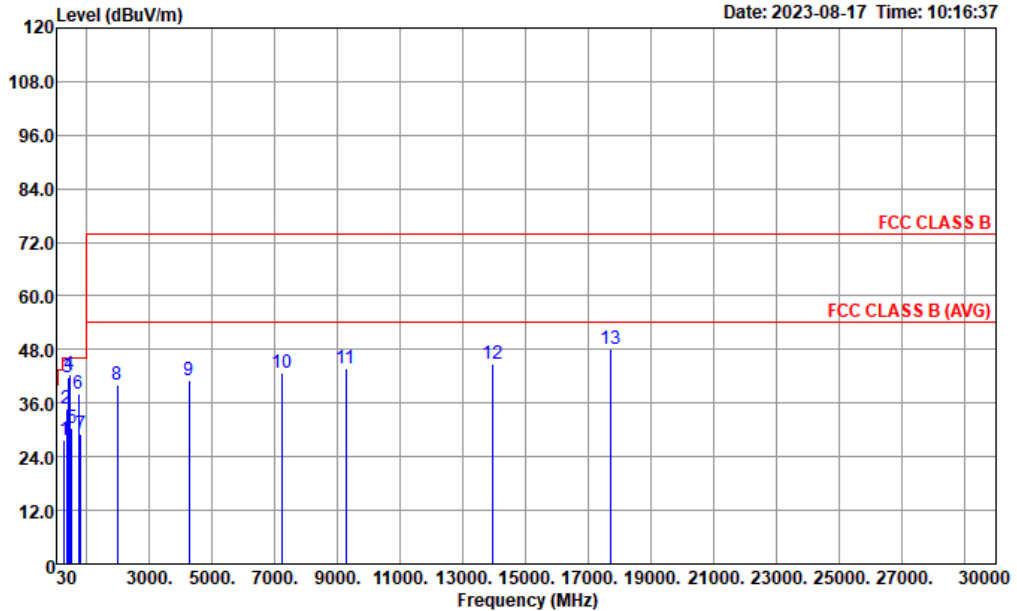
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Engineer :	moon	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal

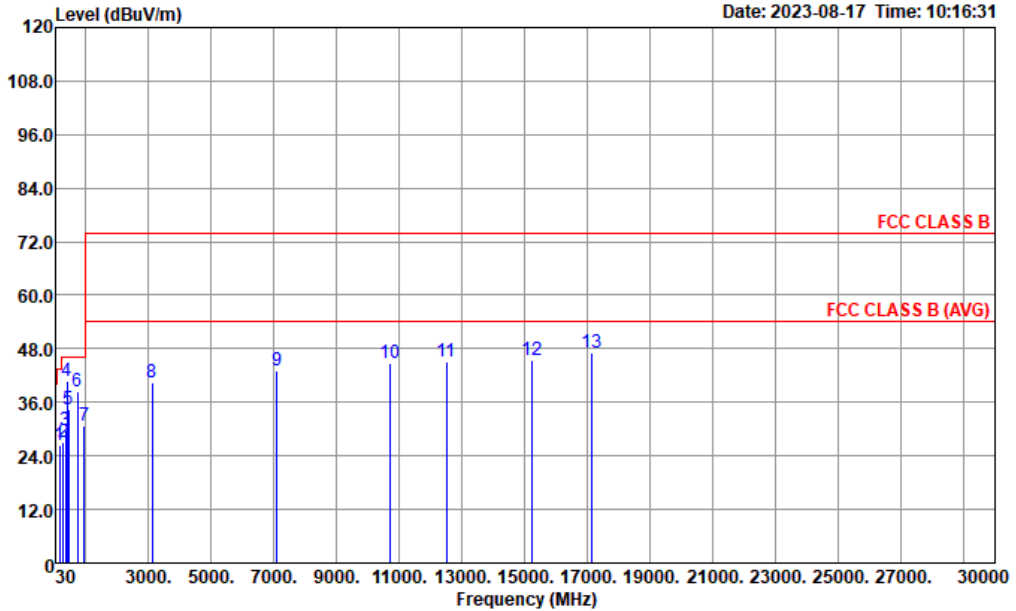


Site : 03CH02-KS
 Condition : FCC CLASS B 3m 49921 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	278.32	27.66	-18.34	46.00	39.25	18.99	2.35	32.93	---	---	Peak
2	345.25	34.82	-11.18	46.00	44.82	20.25	2.74	32.99	---	---	Peak
3	400.54	41.66	-4.34	46.00	50.13	21.84	3.00	33.31	100	187	QP
4	444.19	42.61	-3.39	46.00	49.66	22.97	3.12	33.14	100	263	Peak
5	508.21	30.46	-15.54	46.00	36.36	24.35	3.15	33.40	---	---	Peak
6	732.28	38.21	-7.79	46.00	39.77	27.79	4.03	33.38	---	---	Peak
7	795.33	29.08	-16.92	46.00	29.58	28.58	4.21	33.29	---	---	Peak
8	1969.00	40.10	-33.90	74.00	38.17	31.30	6.66	36.03	---	---	Peak
9	4264.00	41.12	-32.88	74.00	33.20	33.77	10.04	35.89	---	---	Peak
10	7239.00	42.75	-31.25	74.00	29.77	35.60	13.50	36.12	---	---	Peak
11	9262.00	43.70	-30.30	74.00	28.60	36.33	15.43	36.66	---	---	Peak
12	13937.00	44.67	-29.33	74.00	24.48	38.70	18.98	37.49	---	---	Peak
13	17711.00	48.05	-25.95	74.00	22.54	41.22	21.26	36.97	---	---	Peak



Test Engineer :	moon	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH02-KS
Condition : FCC CLASS B 3m 49921 VERTICAL

	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	150.28	26.55	-16.95	43.50	40.32	17.06	1.80	32.63	---	---	Peak
2	287.05	27.23	-18.77	46.00	38.50	19.17	2.44	32.88	---	---	Peak
3	342.34	29.63	-16.37	46.00	39.73	20.15	2.73	32.98	---	---	Peak
4 p	399.57	40.68	-5.32	46.00	49.19	21.80	3.00	33.31	100	216	Peak
5	445.16	34.54	-11.46	46.00	41.56	22.99	3.13	33.14	---	---	Peak
6	732.28	38.32	-7.68	46.00	39.88	27.79	4.03	33.38	---	---	Peak
7	951.50	30.81	-15.19	46.00	27.00	31.13	4.59	31.91	---	---	Peak
8	3108.00	40.35	-33.65	74.00	34.76	32.90	8.52	35.83	---	---	Peak
9	7086.00	43.03	-30.97	74.00	30.38	35.60	13.27	36.22	---	---	Peak
10	10724.00	44.75	-29.25	74.00	27.65	37.70	16.43	37.03	---	---	Peak
11	12492.00	45.21	-28.79	74.00	25.41	39.00	17.87	37.07	---	---	Peak
12	15246.00	45.35	-28.65	74.00	23.41	39.80	19.67	37.53	---	---	Peak
13	17116.00	47.26	-26.74	74.00	22.40	41.28	21.07	37.49	---	---	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 16, 2023	Aug. 09, 2023 ~Aug. 10, 2023	May 15, 2024	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2022	Aug. 09, 2023 ~Aug. 10, 2023	Oct. 12, 2023	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 16, 2023	Aug. 09, 2023 ~Aug. 10, 2023	May 15, 2024	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2022	Aug. 09, 2023 ~Aug. 10, 2023	Oct. 11, 2023	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Oct. 12, 2022	Aug. 07, 2023 ~Aug. 17, 2023	Oct. 11, 2023	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 12, 2022	Aug. 07, 2023 ~Aug. 17, 2023	Oct. 11, 2023	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 23, 2022	Aug. 07, 2023 ~Aug. 17, 2023	Dec. 22, 2023	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 15, 2022	Aug. 07, 2023 ~Aug. 17, 2023	Nov. 14, 2023	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	Aug. 07, 2023 ~Aug. 17, 2023	Jan. 07, 2024	Radiation (03CH02-KS)
Amplifier	EM	EM18G40GGA	060852	18~40GHz	Jan. 05, 2023	Aug. 07, 2023 ~Aug. 17, 2023	Jan. 04, 2024	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul 06, 2023	Aug. 07, 2023 ~Aug. 17, 2023	Jul 05, 2024	Radiation (03CH02-KS)
Amplifier	EM	EM01G18G	060806	1GHz~18GHz	Oct. 12, 2022	Aug. 07, 2023 ~Aug. 17, 2023	Oct. 11, 2023	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Aug. 07, 2023 ~Aug. 17, 2023	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Aug. 07, 2023 ~Aug. 17, 2023	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Aug. 07, 2023 ~Aug. 17, 2023	NCR	Radiation (03CH02-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% ($U = 2Uc(y)$)	2.94dB
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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% ($U = 2Uc(y)$)	5.16dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.96dB
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