



FCC Test Report

APPLICANT : Barking Labs Corp.
EQUIPMENT : Fi Mini
BRAND NAME : Fi
MODEL NAME : M1B
FCC ID : 2ARXN-M1B
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification
TEST DATE(S) : Mar. 31, 2026 ~ Apr. 02, 2026

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
FC630911	Rev. 01	Initial issue of report	Apr. 10, 2026

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 12.60 dB at 0.167 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 8.01 dB at 65.41 MHz

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

Barking Labs Corp.
419 Lafayette St., Floor 2, New York, NY 10003

1.2. Manufacturer

Barking Labs Corp.
419 Lafayette St., Floor 2, New York, NY 10003

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Fi MINI
Brand Name	Fi
Model Name	M1B
FCC ID	2ARXN-M1B
EUT supports Radios application	LTE WLAN 2.4GHz 802.11b/g/n HT20 Bluetooth LE, GNSS
SN Code	Conduction/ Radiation: M16A869494
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	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 814 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz LTE Band 85: 698 MHz ~ 716 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 859 MHz ~ 894 MHz LTE Band 66 : 2110 MHz~ 2180 MHz LTE Band 85 : 728 MHz ~ 746 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz GNSS : 1559 MHz ~ 1610 MHz
Antenna Type	WWAN : PIFA Antenna (LDS) WLAN : Monopole Antenna (LDS) Bluetooth : Monopole Antenna (LDS) GNSS: PIFA Antenna (LDS)
Type of Modulation	LTE: QPSK / 16QAM 802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK GNSS : BPSK

Note: The device supports LTE Category M1.

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

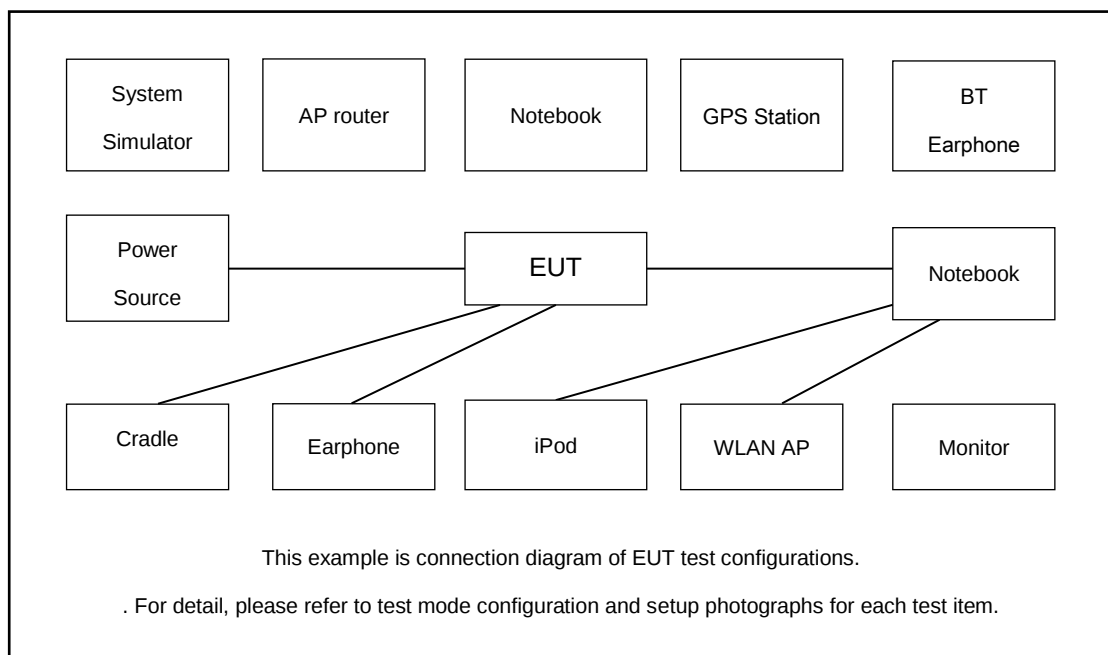
2.1. Test Mode

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: WLAN (2.4G) on + GNSS RX + Leash + Battery + eSIM + USB Cable (Charging from adapter)
	Mode 2: Bluetooth on + GNSS Rx + Leash + Battery + eSIM + USB Cable (Charging from adapter)
Radiated Emissions	Mode 1: Band 5 RX(M) + WLAN (2.4G) on + GNSS RX + Battery + eSIM
	Mode 2: Band 13 RX(M) + Bluetooth on + GNSS Rx + Battery + eSIM
	Mode 3: Band 85 RX(M) + Bluetooth on + GNSS Rx + Battery + eSIM
	Mode 4: Band 13 RX(M) + Bluetooth on + GNSS Rx + Battery + eSIM + USB Cable (Charging from adapter)
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 4; only the test data of this mode is reported. 3. Pre-scanned Low/Middle/High channels, 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	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	LABSAT GPS Simulator	RACELOGIC	RLLS03-2RP	N/A	N/A	Unshielded,1.8m
3.	Notebook	Lenovo	V130-15IKB005	N/A	N/A	Shielded cable DC O/P 1.8m, Unshielded AC I/P cable 1.8m
4.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
5.	Phone	MOTO	XT1952-1	XXXXX	N/A	N/A
6.	Adapter	Mata	MA0122	N/A	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in 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 Mobile phone 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.

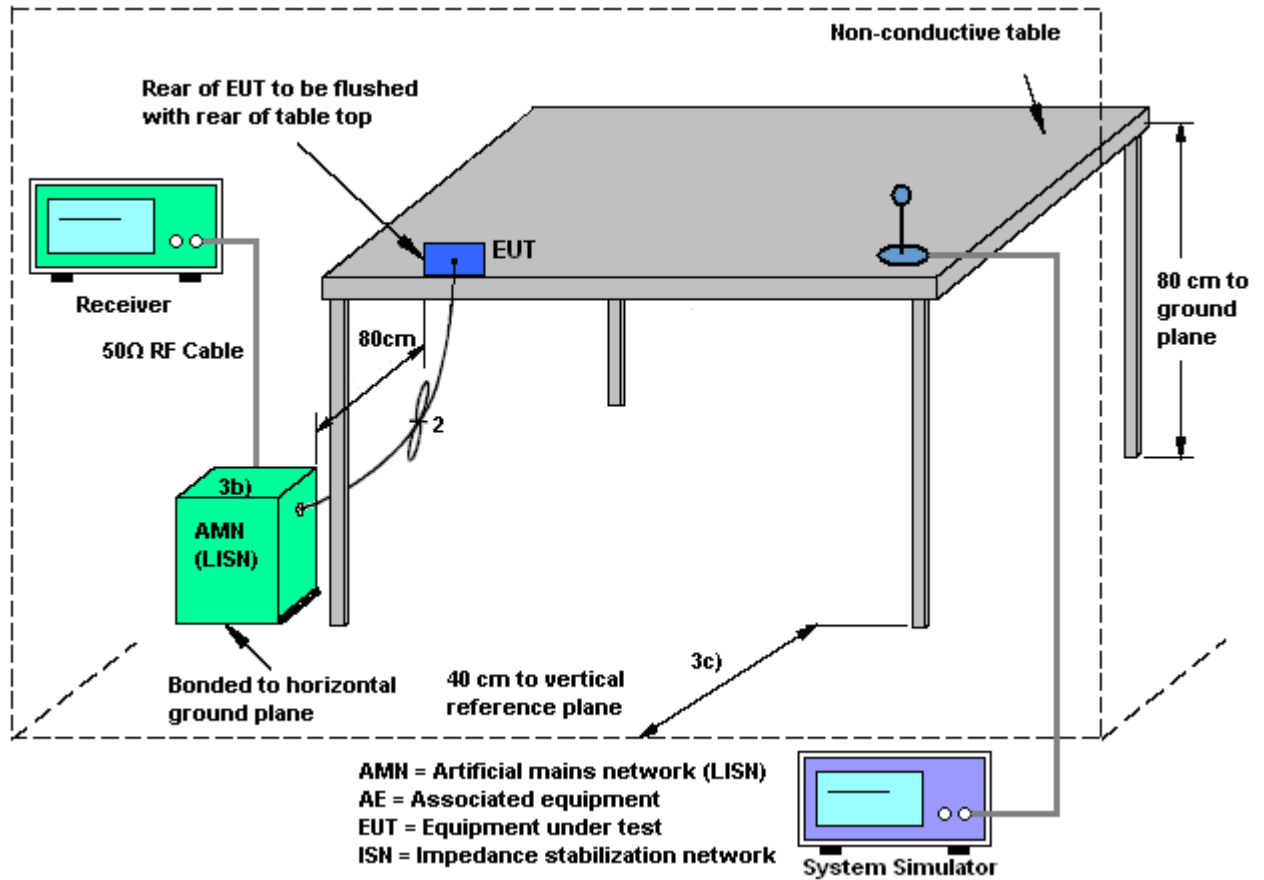
3.1.2 Measuring Instruments

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.

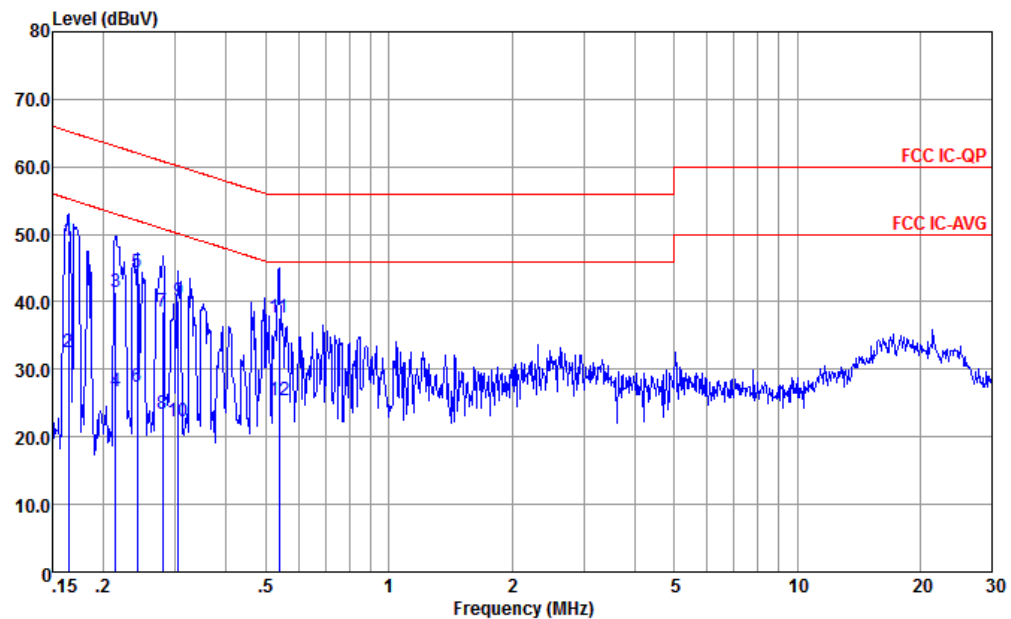
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	Amos	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

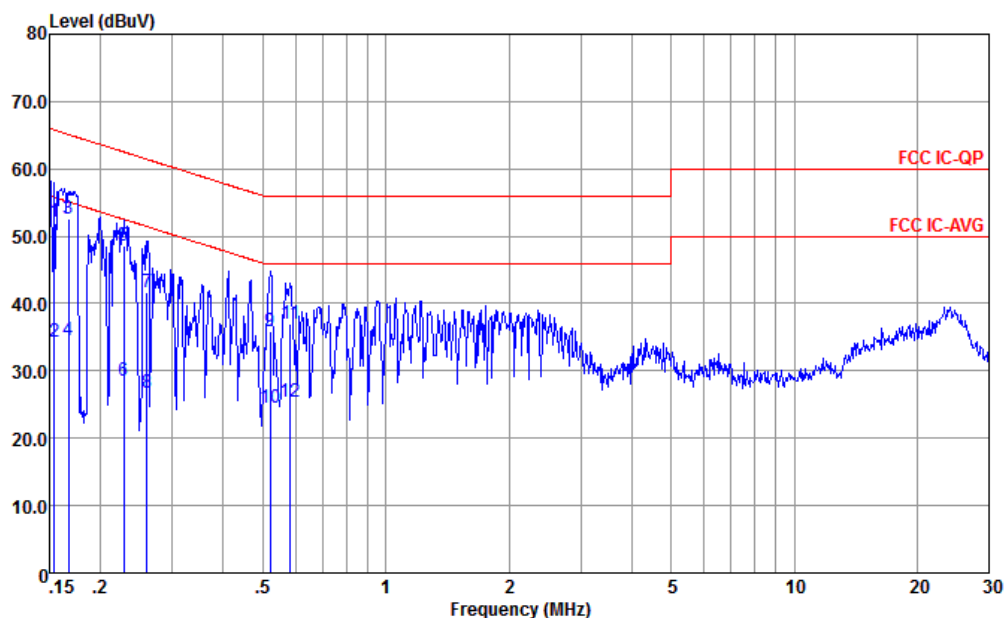


Site : CO01-KS
Condition : FCC IC-QP LISN-100334-L 2025 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.164	48.92	-16.33	65.25	28.90	9.55	10.47	QP
2	0.164	32.62	-22.63	55.25	12.60	9.55	10.47	Average
3	0.214	41.56	-21.49	63.05	21.50	9.58	10.48	QP
4	0.214	26.66	-26.39	53.05	6.60	9.58	10.48	Average
5	0.242	44.30	-17.74	62.04	24.20	9.62	10.48	QP
6	0.242	27.30	-24.74	52.04	7.20	9.62	10.48	Average
7	0.279	38.65	-22.20	60.85	18.50	9.67	10.48	QP
8	0.279	23.45	-27.40	50.85	3.30	9.67	10.48	Average
9	0.305	40.07	-20.03	60.10	19.89	9.69	10.49	QP
10	0.305	22.37	-27.73	50.10	2.19	9.69	10.49	Average
11	0.538	37.70	-18.30	56.00	17.60	9.59	10.51	QP
12	0.538	25.30	-20.70	46.00	5.20	9.59	10.51	Average



Test Engineer :	Amos	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
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-100334-N 2025 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.154	52.23	-13.55	65.78	32.20	9.56	10.47	QP
2	0.154	34.23	-21.55	55.78	14.20	9.56	10.47	Average
3 *	0.167	52.52	-12.60	65.12	32.51	9.54	10.47	QP
4	0.167	34.52	-20.60	55.12	14.51	9.54	10.47	Average
5	0.228	48.62	-13.90	62.52	28.51	9.63	10.48	QP
6	0.228	28.42	-24.10	52.52	8.31	9.63	10.48	Average
7	0.260	41.63	-19.79	61.42	21.50	9.65	10.48	QP
8	0.260	26.73	-24.69	51.42	6.60	9.65	10.48	Average
9	0.521	35.77	-20.23	56.00	15.50	9.76	10.51	QP
10	0.521	24.57	-21.43	46.00	4.30	9.76	10.51	Average
11	0.582	36.88	-19.12	56.00	16.60	9.77	10.51	QP
12	0.582	25.48	-20.52	46.00	5.20	9.77	10.51	Average

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. 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

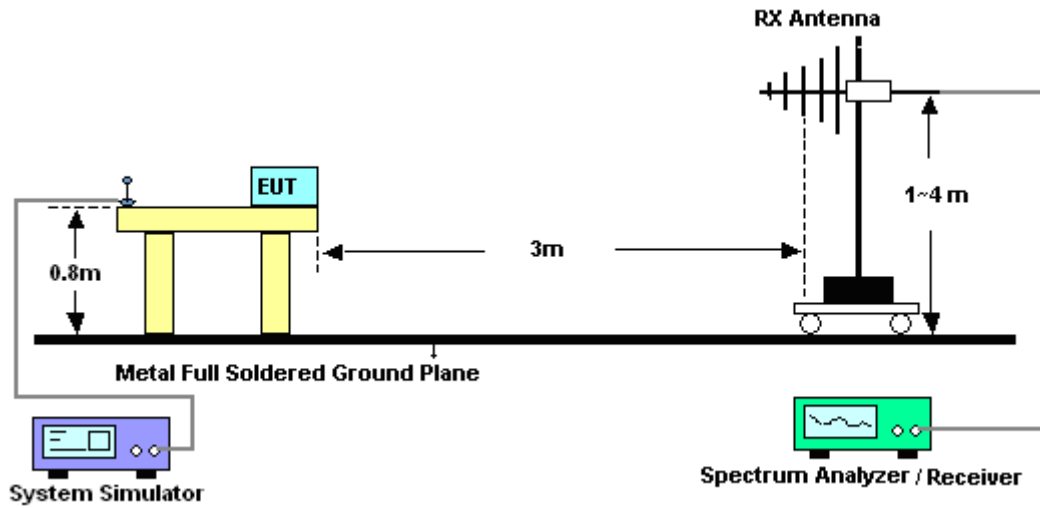
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

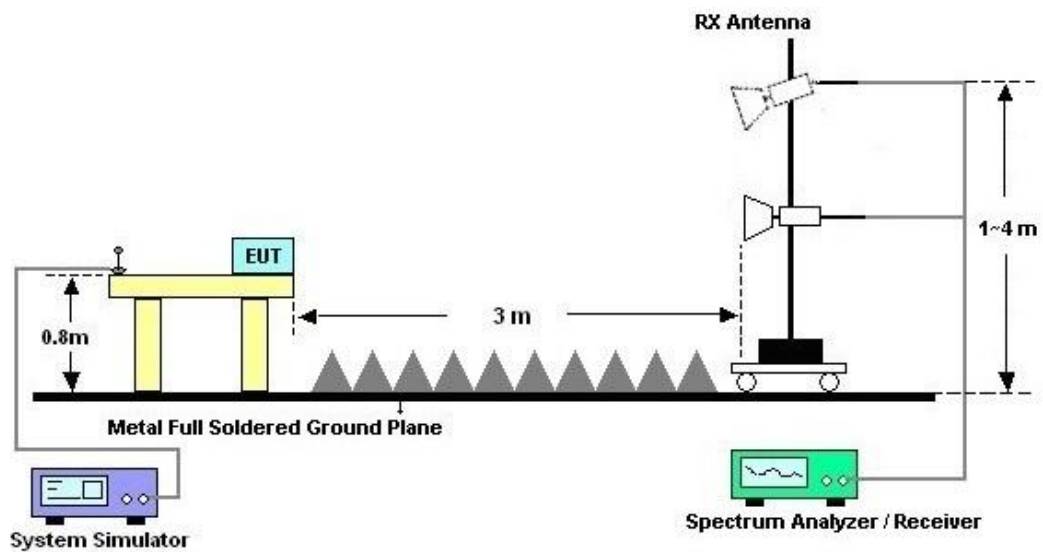
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 (dBμV/m) = 20 log Emission level (μV/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

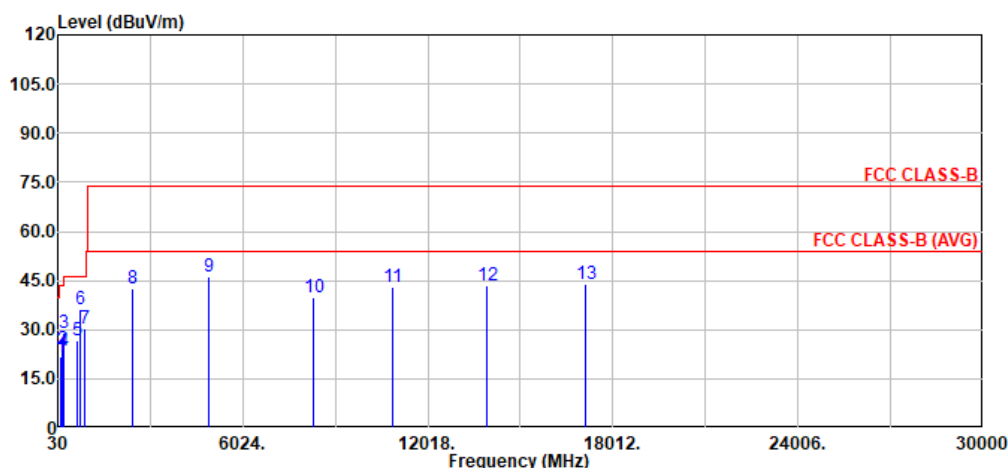


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

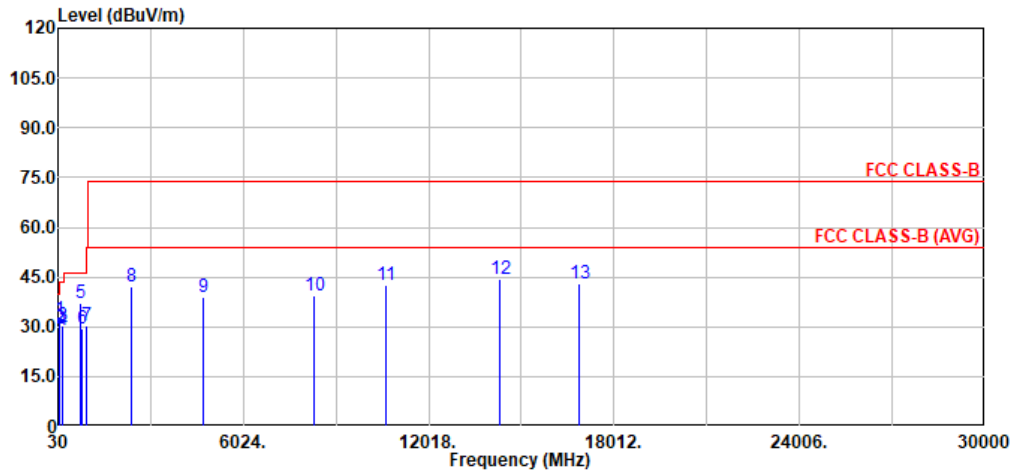
Test Engineer :	Moon	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH02-KS
Condition: FCC CLASS-B 3m 3117 SN 00251694 Horizontal

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	136.46	21.65	43.50	-21.85	35.21	17.73	1.45	32.74	---	---	Peak
2	188.60	23.99	43.50	-19.51	40.07	14.98	1.71	32.77	---	---	Peak
3	216.24	28.94	46.00	-17.06	44.66	15.22	1.84	32.78	---	---	Peak
4	242.67	23.74	46.00	-22.26	36.76	17.82	1.95	32.79	---	---	Peak
5	646.68	26.78	46.00	-19.22	29.84	26.96	3.21	33.23	---	---	Peak
6	750.95	36.24			37.37	28.54	3.45	33.12	---	---	Peak
7	893.54	30.47	46.00	-15.53	29.08	29.79	3.77	32.17	---	---	Peak
8	2450.67	42.78	74.00	-31.22	68.29	32.25	5.36	63.12	---	---	Peak
9	4944.00	46.09	74.00	-27.91	68.73	33.90	7.76	64.30	---	---	Peak
10	8293.00	39.63	74.00	-34.37	60.56	35.61	10.57	67.11	---	---	Peak
11	10865.67	43.17	74.00	-30.83	59.73	37.63	11.80	65.99	---	---	Peak
12	13948.33	43.65	74.00	-30.35	55.19	38.81	13.58	63.93	---	---	Peak
13	17144.33	43.73	74.00	-30.27	53.93	41.16	14.73	66.09	---	---	Peak

Test Engineer :	Moon	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		



Site : 03CH02-KS
Condition: FCC CLASS-B 3m 3117 SN 00251694 Vertical

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	65.41	31.99	40.00	-8.01	51.68	12.17	0.85	32.71	---	---	Peak
2	80.44	29.27	40.00	-10.73	47.14	13.75	1.04	32.66	---	---	Peak
3	163.86	30.26	43.50	-13.24	45.02	16.41	1.59	32.76	---	---	Peak
4	174.29	29.15	43.50	-14.35	44.72	15.55	1.64	32.76	---	---	Peak
5	750.95	37.24			38.37	28.54	3.45	33.12	---	---	Peak
6	791.45	29.49	46.00	-16.51	30.08	28.71	3.55	32.85	---	---	Peak
7	952.71	30.52	46.00	-15.48	27.20	31.04	3.89	31.61	---	---	Peak
8	2422.33	42.23	74.00	-31.77	67.80	32.28	5.32	63.17	---	---	Peak
9	4708.83	39.12	74.00	-34.88	61.59	34.18	7.55	64.20	---	---	Peak
10	8301.50	39.32	74.00	-34.68	60.26	35.60	10.58	67.12	---	---	Peak
11	10616.33	42.73	74.00	-31.27	59.85	37.51	11.71	66.34	---	---	Peak
12	14296.83	44.39	74.00	-29.61	55.80	39.07	13.66	64.14	---	---	Peak
13	16872.33	42.96	74.00	-31.04	53.13	41.10	14.63	65.90	---	---	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 Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 10, 2025	Apr. 02, 2026	Oct. 09, 2026	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz~44G,MAX 30dB	Oct. 10, 2025	Apr. 02, 2026	Oct. 09, 2026	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	59915	30MHz~1GHz	Aug. 12, 2025	Apr. 02, 2026	Aug. 11, 2026	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Mar. 05, 2026	Apr. 02, 2026	Mar. 04, 2027	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 18, 2025	Apr. 02, 2026	Oct. 17, 2026	Radiation (03CH02-KS)
Amplifier	EM	EM18G40GA	060852	18~40GHz	Dec. 24, 2025	Apr. 02, 2026	Dec. 23, 2026	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	413740	9KHz~1GHz	Dec. 25, 2025	Apr. 02, 2026	Dec. 24, 2026	Radiation (03CH02-KS)
Amplifier	EM	EM01G18GA	060841	1Ghz~18Ghz	Oct. 09, 2025	Apr. 02, 2026	Oct. 08, 2026	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Apr. 02, 2026	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Apr. 02, 2026	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Apr. 02, 2026	NCR	Radiation (03CH02-KS)
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz;	Apr. 16, 2025	Mar. 31, 2026	Apr. 15, 2026	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Jul. 03, 2025	Mar. 31, 2026	Jul. 02, 2026	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Dec. 24, 2025	Mar. 31, 2026	Dec. 23, 2026	Conduction (CO01-KS)
AC Power Source	Ouhan	APW-130NYT	202201040060	AC 0V~300V,45Hz~1000Hz	Apr. 16, 2025	Mar. 31, 2026	Apr. 15, 2026	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% ($U = 2U_c(y)$)	2.84 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	6.18 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.90 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.30 dB
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----- THE END -----