



FCC Test Report

APPLICANT : FIH CO., LTD.
EQUIPMENT : Internet Gateway
BRAND NAME : FIH
MODEL NAME : FWF100V5L
FCC ID : RYQFWF100V5L
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification
TEST DATE(S) : Aug. 12, 2022 ~ Sep. 27, 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.

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
FC262206	Rev. 01	Initial issue of report	Jan. 09, 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 6.80 dB at 0.456 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 1.13 dB at 59.100 MHz for Quasi-Peak

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

FIH CO., LTD.

No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan

1.2. Manufacturer

FIH CO., LTD.

No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Internet Gateway
Brand Name	FIH
Model Name	FWF100V5L
FCC ID	RYQFWF100V5L
EUT supports Radios application	LTE/5G NR WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40 WLAN 5GHz 802.11ax HE20/HE40/HE80
IMEI Code	Conduction: 358835490000558/358835490003057 for Sample 1 358835490000996/358835490003495 for Sample 2 Radiation: 358835490000558/358835490003057 for Sample 1 358835490000996/358835490003495 for Sample 2
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 differences could be referred to the FWF100V5L_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and the sample 2/3 is verified for the difference.

1.4. Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 48 : 3550 MHz ~ 3700 MHz LTE Band 66 : 1710 MHz ~ 1755 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1755 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac/ax: 5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 48 : 3550 MHz ~ 3700 MHz LTE Band 66 : 2110 MHz~ 2155 MHz 5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n5 : 869 MHz ~ 894 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 2110 MHz~ 2155 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz 802.11a/n/ac/ax: 5150 MHz ~ 5250 MHz; 5250 MHz ~ 5350 MHz; 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz
Antenna Type	WWAN : PIFA Antenna / Monopole Antenna WLAN : PIFA Antenna
Type of Modulation	LTE: QPSK / 16QAM / 64QAM 5G NR: DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM) 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) 802.11ax : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)

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 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH08-KS	CN1257	314309

1.7. Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH08-KS	AUDIX	E3	6.2009-8-24
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

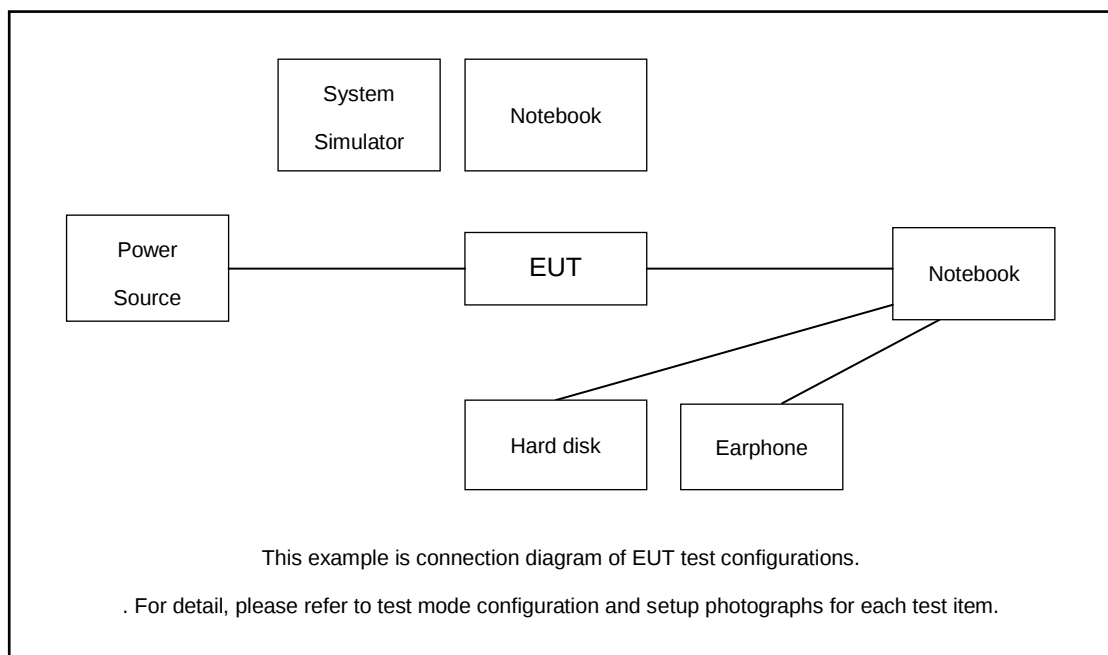
2.1. Test Mode

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: LTE Band 13 Rx(High CH) + WLAN (2.4G) Idle + USB Link With NB + LAN link + Battery + Adapter1 For Sample1
	Mode 2: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter1 For Sample1
	Mode 3: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter2 For Sample1
	Mode 4: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter2 For Sample2
	Mode 5: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter2 For Sample3
Radiated Emissions	Mode 1: LTE Band 13 Rx(High CH) + WLAN (2.4G) Idle + USB Link With NB + LAN link + Battery + Adapter1 For Sample1
	Mode 2: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter1 For Sample1
	Mode 3: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter2 For Sample1
	Mode 4: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter2 For Sample2
	Mode 5: 5G N5 Rx(Middle CH) + WLAN (5G) Idle + USB Link With NB + LAN link + Battery + Adapter2 For Sample3
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 3; 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 LTE Band 13/5G 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.	LTE Base Station	Anritus	MT8820C	N/A	N/A	Unshielded,1.8m
2.	LTE Base Station	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
3.	Base Station	Anritus	MT8000A	N/A	N/A	Unshielded,1.8m
4.	Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded,1.8m
5.	Earphone	Lenovo	P121	N/A	N/A	Unshielded,1.2m
6.	Notebook	Lenovo	S730-13IWL	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
7.	Notebook	Lenovo	V130-15IKB005	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
8.	Hard disk	KINGSHARE	KSP6120G	Fcc DoC	Shielded, 1.2m	N/A
9.	Hard disk	WD	C6B	N/A	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in 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 earphone and the following programs installed in the EUT were programmed during the test.

1. USB Typce-C for host mode, USB Link with notebook via USB cable.
2. LAN port, connect notebook via Ethernet cable.

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.

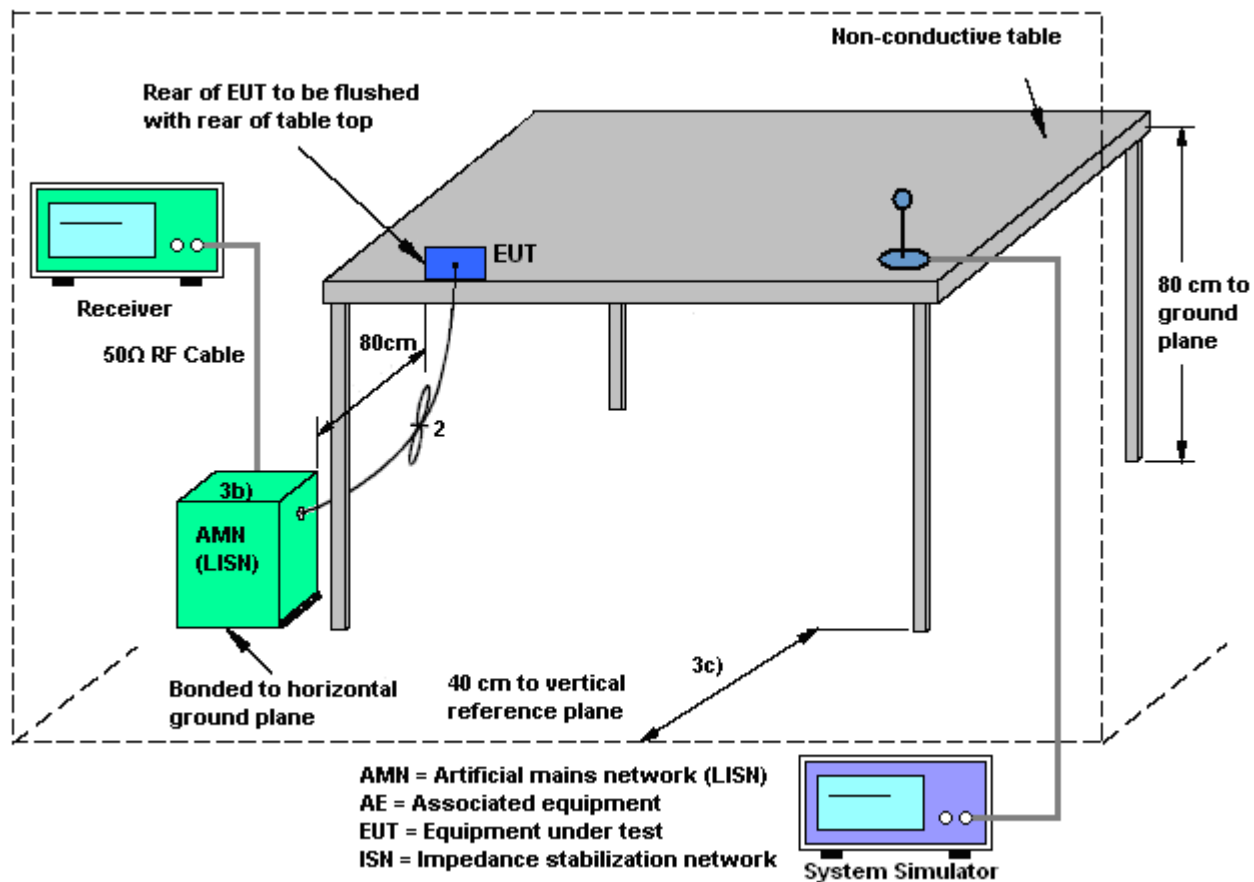
3.1.2 Measuring Instruments

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.

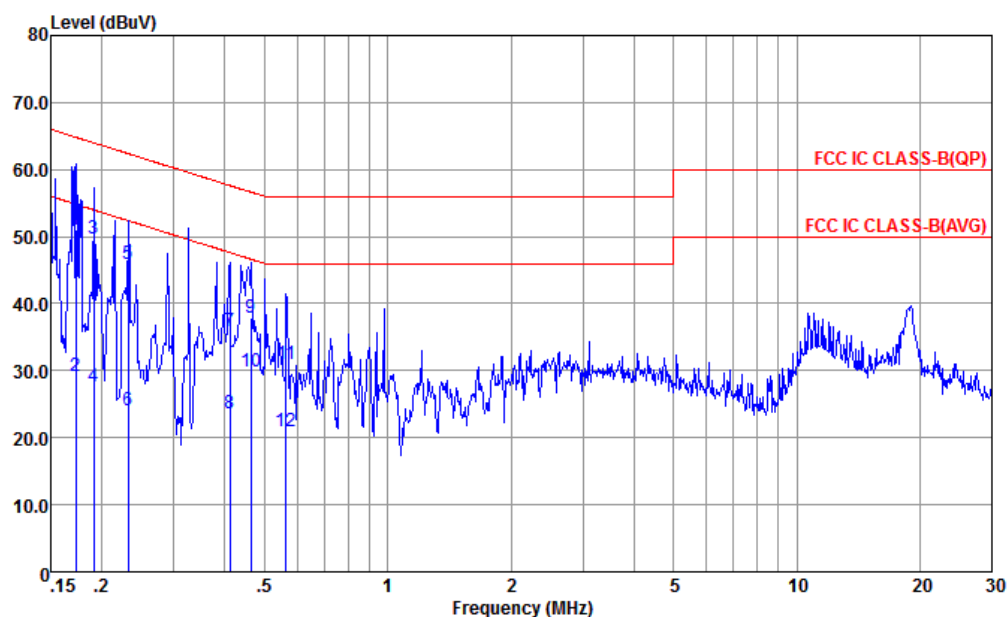
3.1.4 Test Setup





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.		

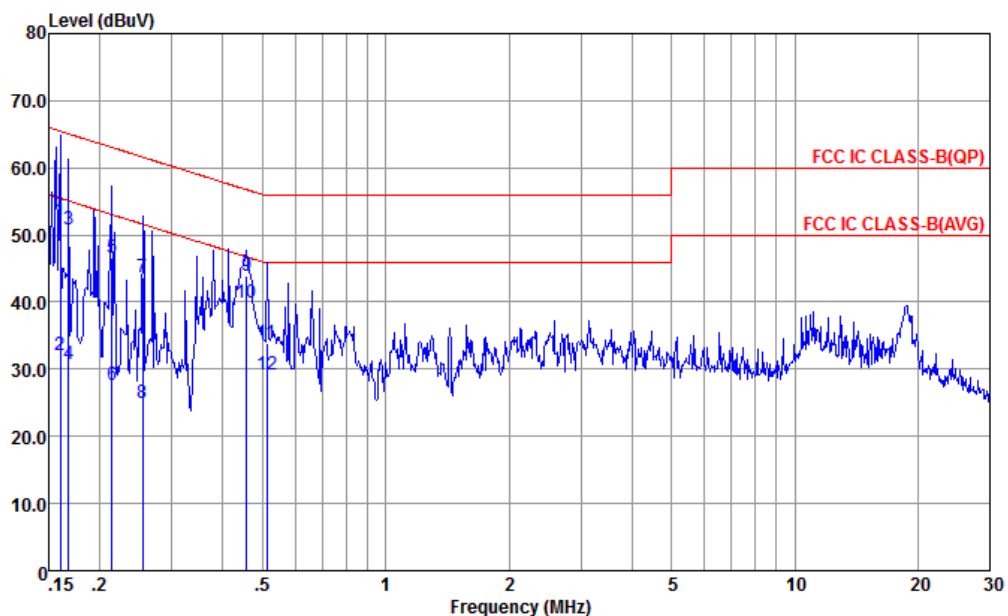


Site : CO01-KS
Condition : FCC IC CLASS-B(QP) LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.173	51.05	-13.76	64.81	40.58	0.05	10.42	QP
2	0.173	29.25	-25.56	54.81	18.78	0.05	10.42	Average
3	0.191	49.62	-14.36	63.98	39.21	0.03	10.38	QP
4	0.191	27.72	-26.26	53.98	17.31	0.03	10.38	Average
5	0.232	46.00	-16.39	62.39	35.63	0.03	10.34	QP
6	0.232	24.00	-28.39	52.39	13.63	0.03	10.34	Average
7	0.410	35.85	-21.79	57.64	25.59	0.00	10.26	QP
8	0.410	23.65	-23.99	47.64	13.39	0.00	10.26	Average
9	0.464	37.84	-18.79	56.63	27.61	-0.02	10.25	QP
10	0.464	29.94	-16.69	46.63	19.71	-0.02	10.25	Average
11	0.564	30.94	-25.06	56.00	20.75	-0.05	10.24	QP
12	0.564	20.84	-25.16	46.00	10.65	-0.05	10.24	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 CLASS-B(QP) LISN-060105-NEUTRAL NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.160	52.06	-13.41	65.47	41.58	0.03	10.45	QP
2	0.160	32.06	-23.41	55.47	21.58	0.03	10.45	Average
3	0.168	50.74	-14.34	65.08	40.27	0.04	10.43	QP
4	0.168	30.84	-24.24	55.08	20.37	0.04	10.43	Average
5	0.214	46.65	-16.40	63.05	36.27	0.03	10.35	QP
6	0.214	27.65	-25.40	53.05	17.27	0.03	10.35	Average
7	0.255	43.73	-17.87	61.60	33.41	-0.01	10.33	QP
8	0.255	25.03	-26.57	51.60	14.71	-0.01	10.33	Average
9	0.456	43.86	-12.90	56.76	33.68	-0.07	10.25	QP
10 *	0.456	39.96	-6.80	46.76	29.78	-0.07	10.25	Average
11	0.513	33.85	-22.15	56.00	23.69	-0.08	10.24	QP
12	0.513	29.25	-16.75	46.00	19.09	-0.08	10.24	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

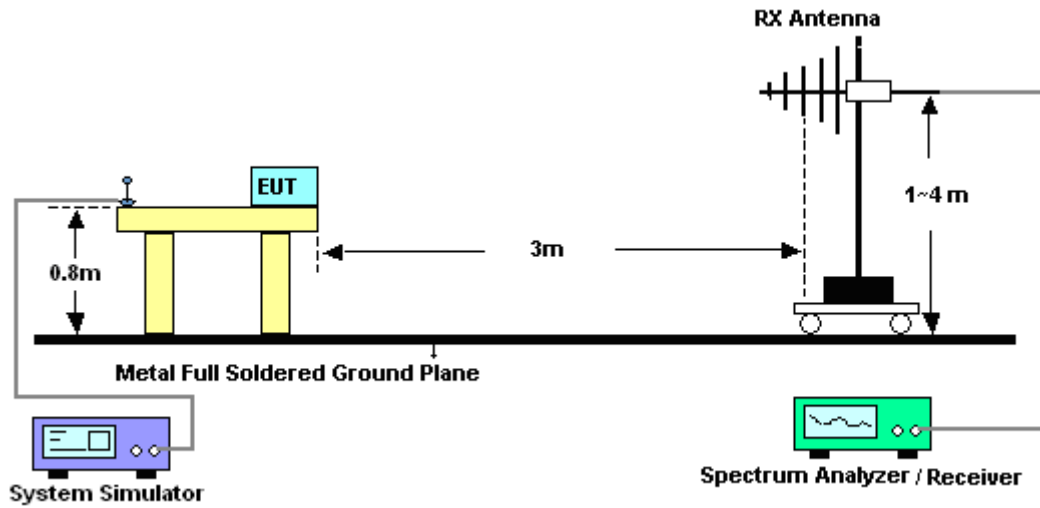
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

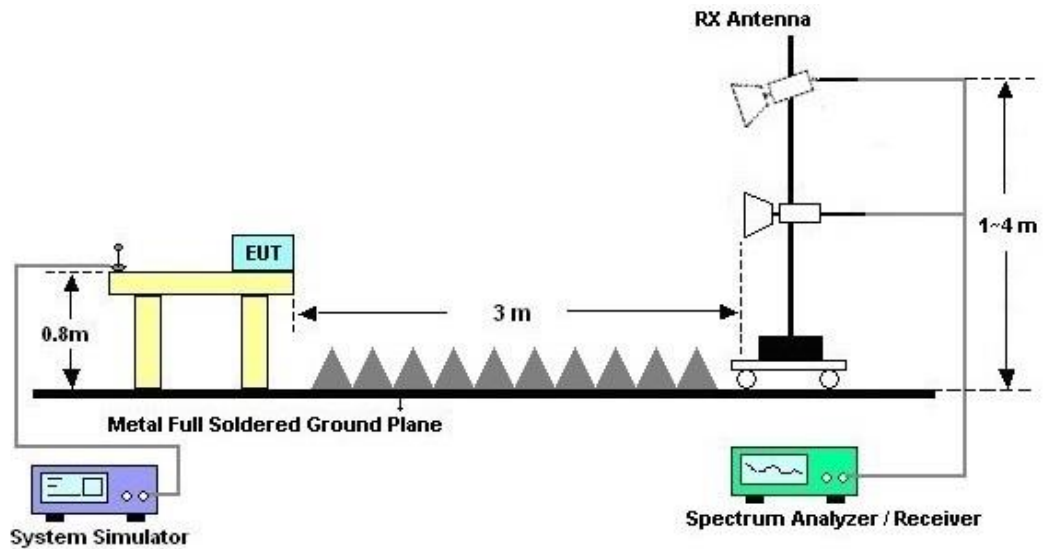
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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



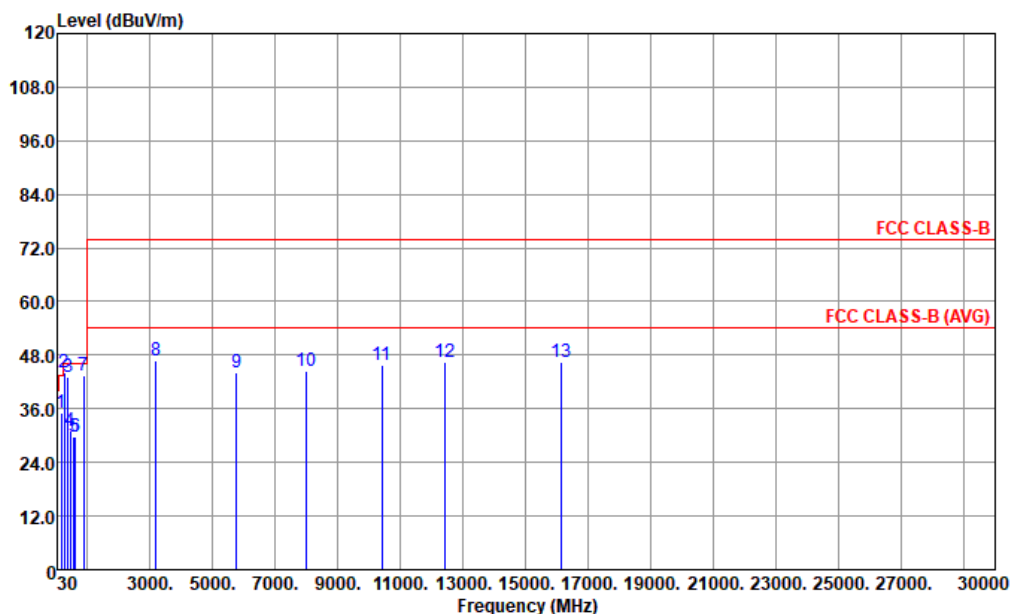
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Engineer :	Jie	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored.		



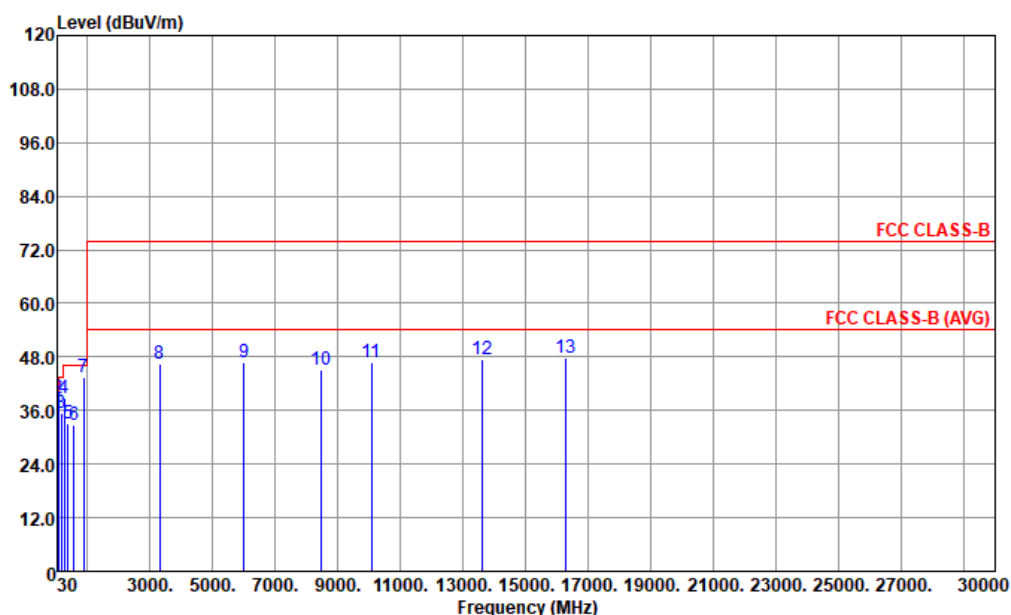
Site : 03CH06-KS

Condition : FCC CLASS-B 3m 3117 SN 00218642 HORIZONTAL

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
			dB	dBuV/m	dBuV	dB/m	dB			
1	160.95	35.14	-8.36	43.50	48.48	16.04	2.02	31.40	---	Peak
2	250.19	44.02	-1.98	46.00	54.42	18.45	2.55	31.40	100	140 QP
3	375.32	43.28	-2.72	46.00	50.95	20.67	3.10	31.44	100	245 QP
4	452.92	30.99	-15.01	46.00	36.26	22.80	3.41	31.48	---	Peak
5	555.74	29.90	-16.10	46.00	31.65	25.94	3.76	31.45	---	Peak
6	624.61	29.66	-16.34	46.00	31.03	26.05	3.99	31.41	---	Peak
7	880.69	43.51			40.80	28.93	4.73	30.95	---	Peak
8	3193.00	46.87	-27.13	74.00	67.50	31.80	9.21	61.64	---	Peak
9	5760.00	44.14	-29.86	74.00	57.47	35.66	12.43	61.42	---	Peak
10	8004.00	44.51	-29.49	74.00	54.53	36.90	15.01	61.93	---	Peak
11	10401.00	45.66	-28.34	74.00	52.25	38.33	16.89	61.81	---	Peak
12	12424.00	46.30	-27.70	74.00	50.10	39.17	18.47	61.44	---	Peak
13	16113.00	46.32	-27.68	74.00	45.42	41.76	21.33	62.19	---	Peak



Test Engineer :	Jie	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH08-KS
Condition : FCC CLASS-B 3m 3117 SN 00218642 VERTICAL

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	31.94	35.71	-4.29	40.00	42.08	24.12	0.91	31.40	100	120 QP
2	59.10	38.87	-1.13	40.00	57.12	11.93	1.22	31.40	100	140 QP
3	149.31	35.56	-7.94	43.50	48.19	16.83	1.94	31.40	---	--- Peak
4	250.19	38.85	-7.15	46.00	49.25	18.45	2.55	31.40	---	--- Peak
5	375.32	33.14	-12.86	46.00	40.81	20.67	3.10	31.44	---	--- Peak
6	559.62	32.73	-13.27	46.00	34.19	26.21	3.78	31.45	---	--- Peak
7	880.69	43.36			40.65	28.93	4.73	30.95	---	--- Peak
8	3312.00	46.40	-27.60	74.00	66.12	32.34	9.43	61.49	---	--- Peak
9	5998.00	46.85	-27.15	74.00	59.78	35.75	12.66	61.34	---	--- Peak
10	8480.00	45.24	-28.76	74.00	54.59	37.19	15.38	61.92	---	--- Peak
11	10061.00	46.71	-27.29	74.00	54.31	38.22	16.61	62.43	---	--- Peak
12	13597.00	47.53	-26.47	74.00	49.81	40.02	19.46	61.76	---	--- Peak
13	16300.00	47.80	-26.20	74.00	46.84	41.71	21.46	62.21	---	--- 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 Receiver	R&S	ESC17	100768	9kHz~7GHz;	May. 24, 2022	Aug. 12, 2022~ Sep. 27, 2022	May. 23, 2023	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2022	Aug. 12, 2022~ Sep. 27, 2022	Oct. 12, 2023	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May. 24, 2022	Aug. 12, 2022~ Sep. 27, 2022	May. 23, 2023	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2022	Aug. 12, 2022~ Sep. 27, 2022	Oct. 11, 2023	Conduction (CO01-KS)
EMI Test Receiver	Keysight	N9038A	MY57290151	3Hz~8.5GHz;M ax 30dBm	Jul. 11, 2022	Sep. 01, 2022	Jul. 10, 2023	Radiation (03CH08-KS)
Spectrum Analyzer	R&S	FSV40	101932	10kHz~40GHz; Max 30dBm	Oct. 12, 2022	Sep. 01, 2022	Oct. 11, 2023	Radiation (03CH08-KS)
Bilog Antenna	TESEQ	CBL 6111D	59915	30MHz-1GHz	Aug. 26, 2022	Sep. 01, 2022	Aug. 25, 2023	Radiation (03CH08-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00240138	1GHz~18GHz	Jul. 08, 2022	Sep. 01, 2022	Jul. 07, 2023	Radiation (03CH08-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Sep. 01, 2022	Jan. 04, 2023	Radiation (03CH08-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Sep. 01, 2022	Jan. 04, 2023	Radiation (03CH08-KS)
Amplifier	SONOMA	310N	413741	9KHz-1GHz	Jan. 13, 2022	Sep. 01, 2022	Jan. 12, 2023	Radiation (03CH08-KS)
Amplifier	EM	EM01G18GA	060834	1Ghz-18Ghz	Jan. 05, 2022	Sep. 01, 2022	Jan. 04, 2023	Radiation (03CH08-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Sep. 01, 2022	NCR	Radiation (03CH08-KS)
Turn Table	EM	EM 1000-T	N/A	0~360 degree	NCR	Sep. 01, 2022	NCR	Radiation (03CH08-KS)
Antenna Mast	EM	EM 1000-A	N/A	1 m~4 m	NCR	Sep. 01, 2022	NCR	Radiation (03CH08-KS)

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% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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