



FCC Test Report

APPLICANT : Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : TB370FU
FCC ID : O57TB370FU
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification
TEST DATE(S) : Apr. 20, 2023 ~ Apr. 21, 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
FC332406	Rev. 01	Initial issue of report	May 16, 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 6.43 dB at 0.180 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 3.15 dB at 576.110 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.



1. General Description

1.1. Applicant

Lenovo(Shanghai) Electronics Technology Co., Ltd.
 Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2. Manufacturer

Lenovo PC HK Limited
 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB370FU
FCC ID	O57TB370FU
EUT supports Radios application	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/VHT80 WLAN 5GHz 802.11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE GNSS
SN	Radiation: HA1S4XBV for sample 1 HA1S5WAJ for sample 2 Conduction: HA1S4XBV for sample 1 HA1SSPWJ for sample 2
HW Version	Lenovo Tablet TB370FU
SW Version	TB370FU_RF01 230325
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 two types of EUT: sample 1 with battery 1 and sample 2 with battery 2. The differences could be referred to the TB370FU_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 is verified the differences.

1.4. Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	802.11b/g/n/ax: 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 Bluetooth: 2400 MHz ~ 2483.5 MHz
Rx Frequency	802.11b/g/n/ax: 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 Bluetooth: 2400 MHz ~ 2483.5 MHz GNSS : 1559 MHz ~ 1610 MHz
Antenna Type	WLAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna
Type of Modulation	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) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK GNSS : BPSK

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	6.2009-8-24a
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.

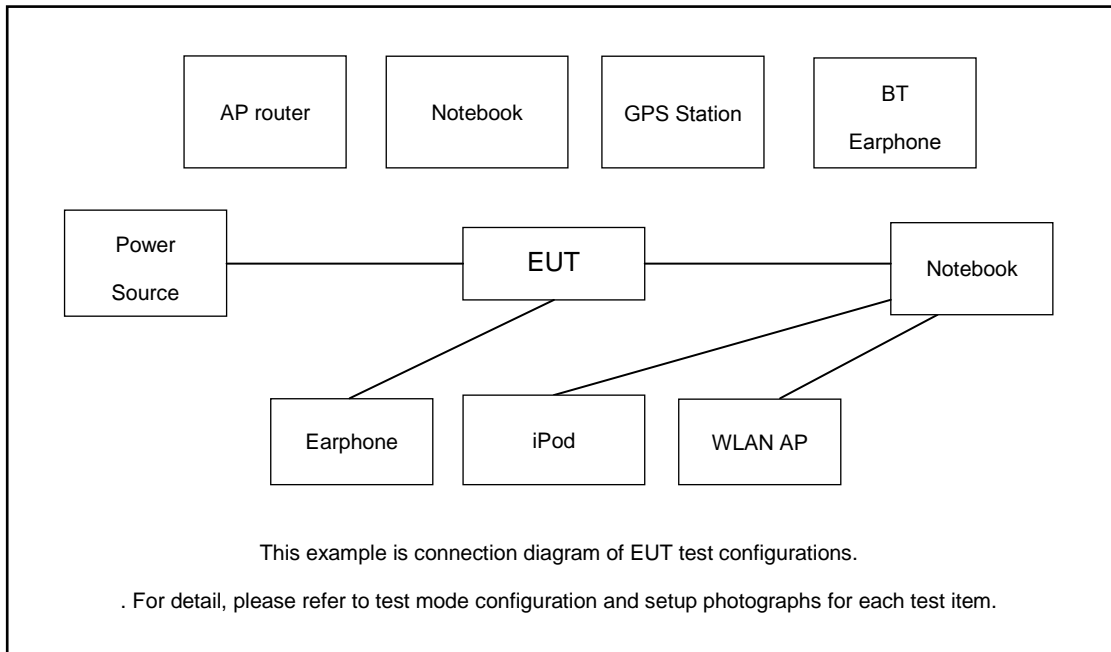
Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
AC Conducted Emission	Mode 1: Bluetooth Link + WLAN (2.4G) Link + Camera(Rear) + USB Cable1 (Charging from Adapter1) + Battery 1 for sample 1
	Mode 2: Bluetooth Link + WLAN (5G) Link + Camera(Front) + Pen + Keyboard + Battery 1 + USB Cable2 (Charging from Adapter2)for sample 1
	Mode 3: Bluetooth Link + WLAN (5G Band IV) Link + MPEG4(Run Color Bar) + Pen + Battery 1 + Keyboard + USB Cable2 (Charging from Adapter2)for Sample 1
	Mode 4: Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + Pen + Keyboard + USB Cable 1(Data Link with Notebook) + EUT (eMMC) USB Data Link to PC/NB + Battery 1for sample 1
	Mode 5: Bluetooth Link + WLAN (5G) Link + Pen + Keyboard + Camera(Front) + USB Cable 1(Data Link with Notebook) + PC/NB USB Data Link to EUT (eMMC) + Battery 1for sample 1
	Mode 6: Bluetooth Link + WLAN (5G Band IV) Link + Pen + Keyboard + Camera(Front) + USB Cable 1(Data Link with Notebook) + EUT (SD) USB Data Link to PC/NB + Battery 1for sample 1
	Mode 7: Bluetooth Link + WLAN (2.4G) Link + Pen + Keyboard + Camera(Front) + USB Cable 1(Data Link with Notebook) + PC/NB USB Data Link to EUT (SD) + Battery 1 for sample 1
	Mode 8: Bluetooth Link + WLAN (5G) Link + Pen + Keyboard + Camera(Front) + USB Cable 2(Data Link with Notebook) + Battery 1for sample 1
	Mode 9: Bluetooth Link + WLAN (5G) Link + Camera(Front) + Pen + Keyboard + Battery 2 + USB Cable2 (Charging from Adapter2)for sample 2
	Mode 10 : Bluetooth Link + WLAN (5G) Link + Pen + Keyboard + Camera(Front) + USB Cable 1(Data Link with Notebook) + PC/NB USB Data Link to EUT (eMMC) + Battery 2 for sample 2



Radiated Emissions	<p>Mode 1: Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Battery 1 + USB Cable 1(Charging from Adapter 1) for sample 1</p> <p>Mode 2: Bluetooth Idle + WLAN (5G)Idle + Camera(Front) + Pen + Keyboard + Battery 1 + USB Cable 2 (Charging from Adapter 2) for sample 1</p> <p>Mode 3: Bluetooth Idle + WLAN (2.4G) Idle + MPEG4(Run Color Bar) + Earphone for sample 1</p> <p>Mode 4: Bluetooth Idle + WLAN (5G)Idle + GNSS Rx + Pen + Keyboard + Battery 1 + USB Cable 1(Data Link with Notebook) + EUT (eMMC) USB Data Link to PC/NB for sample 1</p> <p>Mode 5: Bluetooth Idle + WLAN (2.4G) Idle + Camera(Front) + Pen + Keyboard + Battery 1 + USB Cable 1(Data Link with Notebook) + PC/NB USB Data Link to EUT (eMMC) for sample 1</p> <p>Mode 6: Bluetooth Idle + WLAN (5G)Idle + Camera(Front) + Pen + Keyboard + Battery 1 USB Cable 1(Data Link with Notebook) + EUT (SD) USB Data Link to PC/NB for sample 1</p> <p>Mode 7: Bluetooth Idle + WLAN (2.4G) Idle + Camera(Front) + Pen + Keyboard + Battery 1 + USB Cable 1(Data Link with Notebook) + PC/NB USB Data Link to EUT (SD) for sample 1</p> <p>Mode 8: Bluetooth Idle + WLAN (5G)Idle + Camera(Front) + Pen + Keyboard + Battery 1 + USB Cable 1(Data Link with Notebook) + EUT (eMMC) USB Data Link to PC/NB for sample 1</p> <p>Mode 9: Bluetooth Idle + WLAN (5G)Idle + Camera(Front) + Pen + Keyboard + Battery 2 + USB Cable 2 (Charging from Adapter 2) for sample 2</p> <p>Mode 10 : Bluetooth Idle + WLAN (5G)Idle + Camera(Front) + Pen + Keyboard + Battery 2 + USB Cable (2)(Data Link with Notebook) + EUT (eMMC) USB Data Link to PC/NB for sample 2</p>
<p>Remark:</p> <ol style="list-style-type: none"> 1. The worst case of AC is mode 2; only the test data of this mode is reported. 2. The worst case of RE is mode 2; only the test data of this mode is reported. 3. Data Link with Notebook means data application transferred mode between EUT and Notebook 	

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.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8m
2.	WLAN AP	D-link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8m
3.	Bluetooth Earphone	Lenovo	thinkplus-BH3	N/A	N/A	N/A
4.	Bluetooth Earphone	Lenovo	LBH505	N/A	N/A	N/A
5.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
6.	Notebook	Lenovo	G410	N/A	N/A	AC I/P: Unshielded, 0.9 m DC O/P: Shielded, 1.8 m
7.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
8.	SD Card	Kingston	8GB	N/A	N/A	N/A
9.	Vector Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded, 1.8m
10.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.2m	N/A



2.4. EUT Operation Test Setup

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.



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.

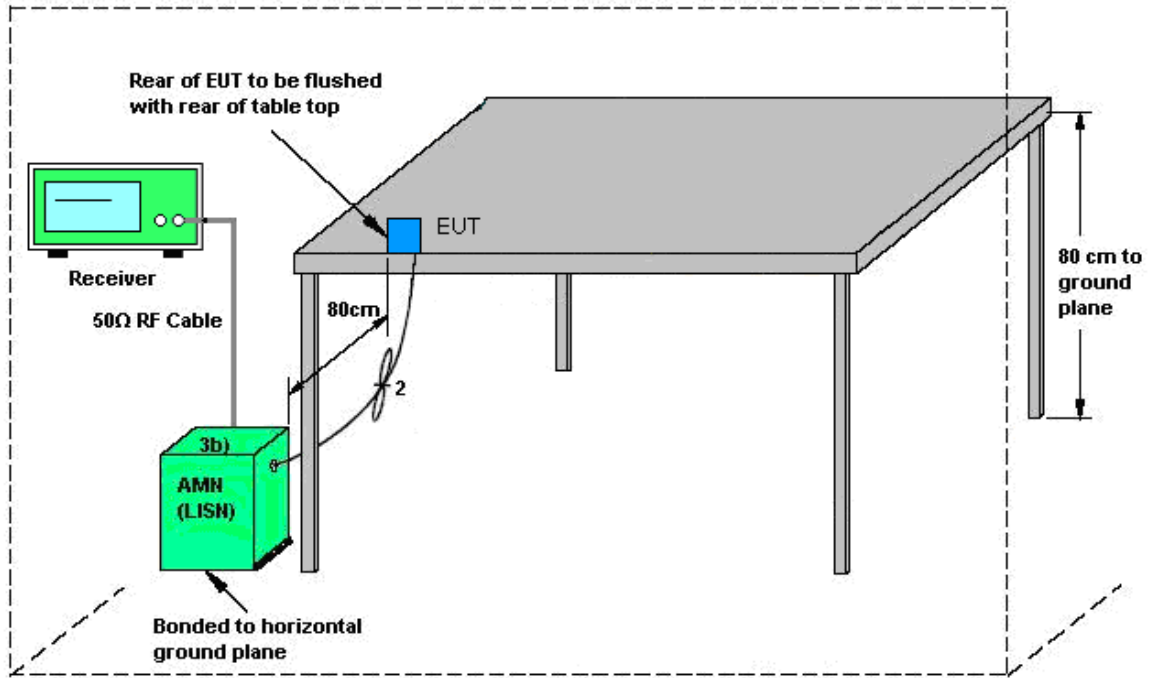
3.1.2 Measuring Instruments

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

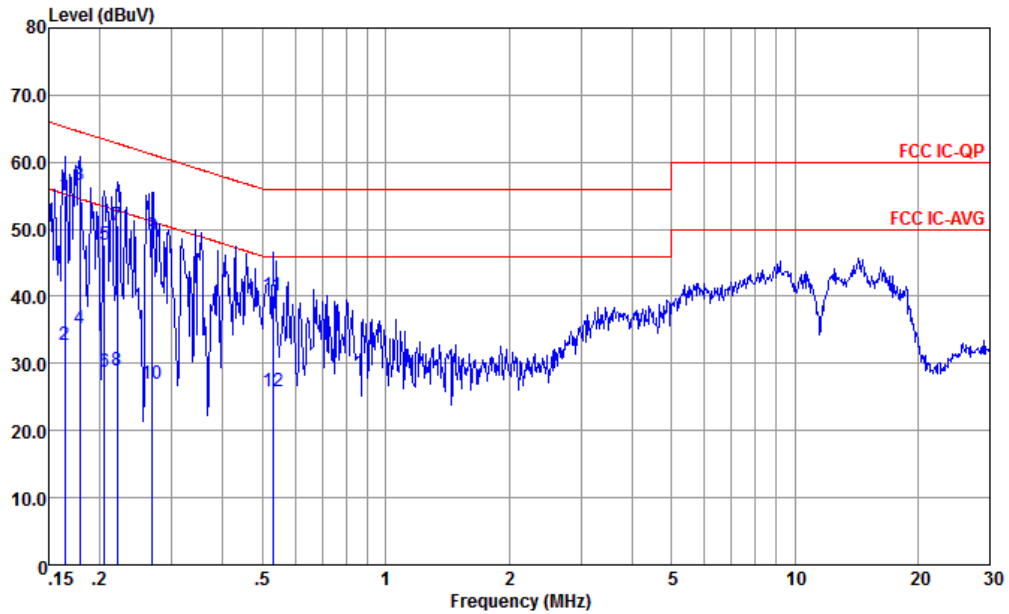


AMN = Artificial mains network (LISN)
 AE = Associated equipment
 EUT = Equipment under test
 ISN = Impedance stabilization network



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.		

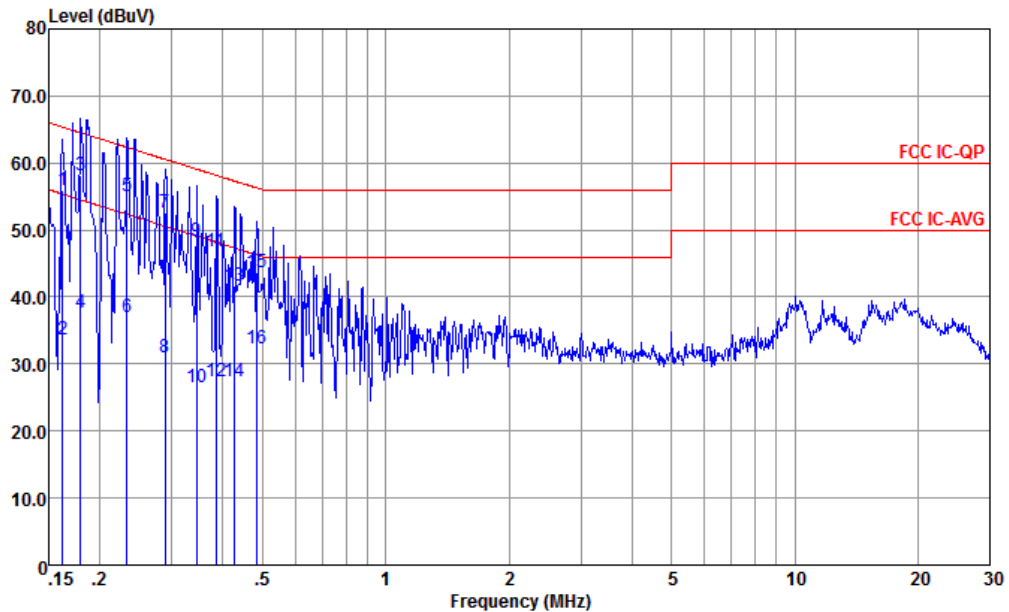


Site : CO01-KS
 Condition : FCC IC-QP LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.164	55.08	-10.17	65.25	44.60	0.05	10.43	QP
2	0.164	32.78	-22.47	55.25	22.30	0.05	10.43	Average
3 *	0.179	56.66	-7.89	64.55	46.20	0.04	10.42	QP
4	0.179	35.26	-19.29	54.55	24.80	0.04	10.42	Average
5	0.205	47.64	-15.76	63.40	37.20	0.02	10.42	QP
6	0.205	28.64	-24.76	53.40	18.20	0.02	10.42	Average
7	0.221	50.63	-12.16	62.79	40.20	0.03	10.40	QP
8	0.221	29.03	-23.76	52.79	18.60	0.03	10.40	Average
9	0.269	48.92	-12.24	61.16	38.50	0.05	10.37	QP
10	0.269	27.02	-24.14	51.16	16.60	0.05	10.37	Average
11	0.529	40.06	-15.94	56.00	29.90	-0.04	10.20	QP
12	0.529	25.76	-20.24	46.00	15.60	-0.04	10.20	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-NEUTRAL NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.162	55.96	-9.38	65.34	45.49	0.04	10.43	QP
2	0.162	33.66	-21.68	55.34	23.19	0.04	10.43	Average
3 *	0.180	58.07	-6.43	64.50	47.61	0.04	10.42	QP
4	0.180	37.77	-16.73	54.50	27.31	0.04	10.42	Average
5	0.233	55.01	-7.34	62.35	44.61	0.01	10.39	QP
6	0.233	37.01	-15.34	52.35	26.61	0.01	10.39	Average
7	0.289	52.51	-8.03	60.54	42.19	-0.04	10.36	QP
8	0.289	30.91	-19.63	50.54	20.59	-0.04	10.36	Average
9	0.345	48.47	-10.62	59.09	38.20	-0.06	10.33	QP
10	0.345	26.57	-22.52	49.09	16.30	-0.06	10.33	Average
11	0.385	46.84	-11.33	58.17	36.59	-0.06	10.31	QP
12	0.385	27.44	-20.73	48.17	17.19	-0.06	10.31	Average
13	0.426	41.70	-15.63	57.33	31.50	-0.07	10.27	QP
14	0.426	27.40	-19.93	47.33	17.20	-0.07	10.27	Average
15	0.484	43.74	-12.53	56.27	33.60	-0.08	10.22	QP
16	0.484	32.34	-13.93	46.27	22.20	-0.08	10.22	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.

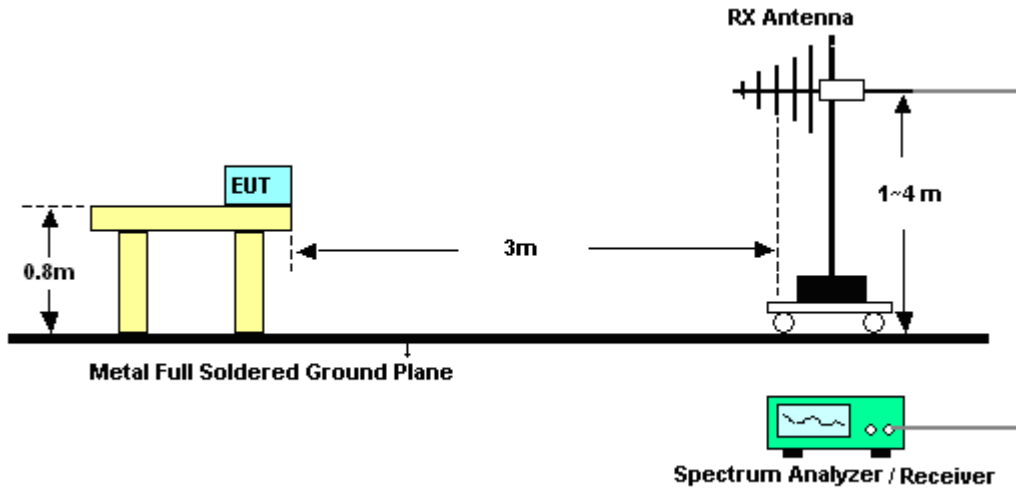


3.2.3. Test Procedures

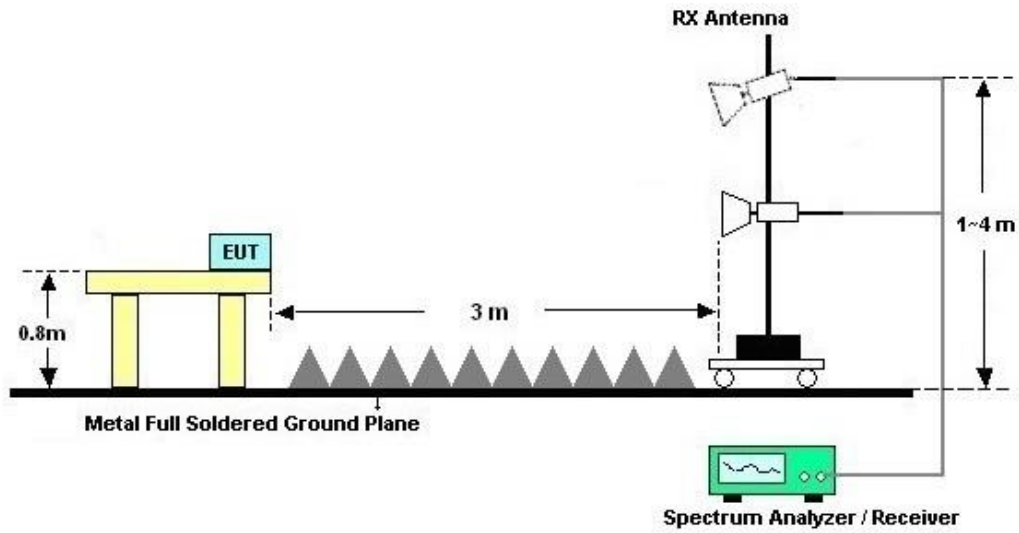
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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



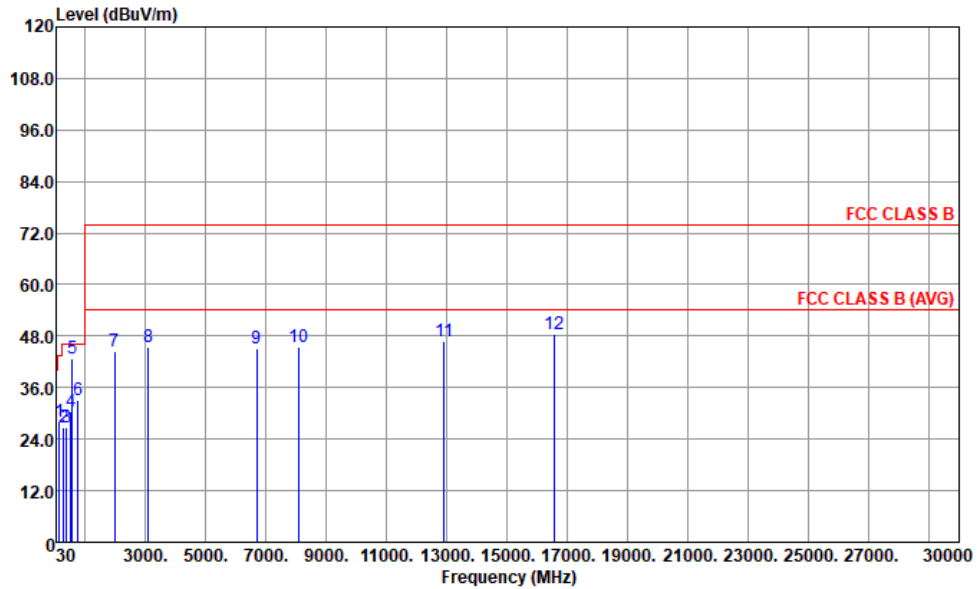
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

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

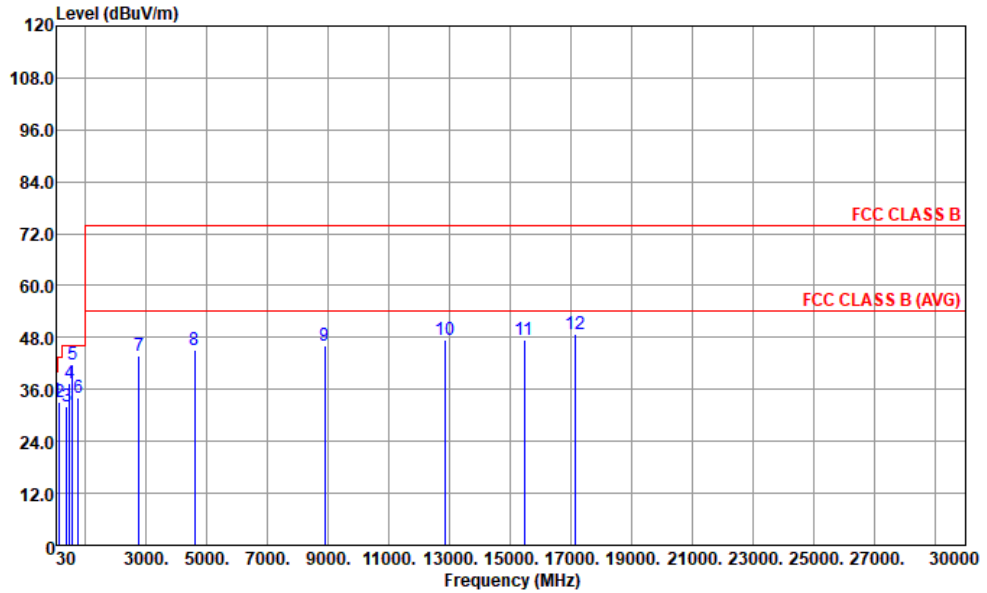


Site : 03CH02-KS
 Condition : FCC CLASS B 3m 59913 HORIZONTAL

	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	137.67	28.06	-15.44	43.50	41.55	17.47	1.73	32.69	---	---	Peak
2	270.56	26.85	-19.15	46.00	38.64	18.90	2.28	32.97	---	---	Peak
3	384.05	26.61	-19.39	46.00	35.85	21.06	2.92	33.22	---	---	Peak
4	509.18	30.57	-15.43	46.00	36.84	23.98	3.15	33.40	---	---	Peak
5 p	576.11	42.85	-3.15	46.00	47.13	25.85	3.43	33.56	100	261	Peak
6	768.17	33.20	-12.80	46.00	34.19	28.16	4.13	33.28	---	---	Peak
7	1969.00	44.56	-29.44	74.00	41.96	31.97	6.66	36.03	---	---	Peak
8	3091.00	45.43	-28.57	74.00	39.64	33.10	8.49	35.80	---	---	Peak
9	6695.00	45.08	-28.92	74.00	32.56	35.80	12.74	36.02	---	---	Peak
10	8072.00	45.40	-28.60	74.00	32.20	36.00	13.68	36.48	---	---	Peak
11	12917.00	46.72	-27.28	74.00	26.14	39.78	18.11	37.31	---	---	Peak
12	16555.00	48.46	-25.54	74.00	22.48	42.55	20.73	37.30	---	---	Peak



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



Site : 03CH02-KS
 Condition : FCC CLASS B 3m 59913 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	38.73	33.39	-6.61	40.00	45.33	20.23	0.84	33.01	---	---	Peak
2	135.73	33.26	-10.24	43.50	46.72	17.51	1.72	32.69	---	---	Peak
3	384.05	32.08	-13.92	46.00	41.32	21.06	2.92	33.22	---	---	Peak
4	480.08	37.32	-8.68	46.00	44.02	23.43	3.14	33.27	---	---	Peak
5 p	576.11	41.66	-4.34	46.00	45.94	25.85	3.43	33.56	100	255	Peak
6	768.17	34.24	-11.76	46.00	35.23	28.16	4.13	33.28	---	---	Peak
7	2751.00	43.87	-30.13	74.00	39.05	32.50	7.96	35.64	---	---	Peak
8	4587.00	45.19	-28.81	74.00	36.02	34.90	10.30	36.03	---	---	Peak
9	8888.00	46.28	-27.72	74.00	31.50	36.37	14.78	36.37	---	---	Peak
10	12866.00	47.42	-26.58	74.00	26.82	39.80	18.08	37.28	---	---	Peak
11	15467.00	47.48	-26.52	74.00	24.29	40.67	19.87	37.35	---	---	Peak
12	17116.00	48.68	-25.32	74.00	23.05	42.05	21.07	37.49	---	---	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	Apr. 21, 2023	May 23, 2023	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2022	Apr. 21, 2023	Oct. 12, 2023	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 24, 2022	Apr. 21, 2023	May 23, 2023	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2022	Apr. 21, 2023	Oct. 11, 2023	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Oct. 12, 2022	Apr. 20, 2023	Oct. 11, 2023	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 12, 2022	Apr. 20, 2023	Oct. 11, 2023	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 23, 2022	Apr. 20, 2023	Dec. 22, 2023	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 15, 2022	Apr. 20, 2023	Nov. 14, 2023	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	Apr. 20, 2023	Jan. 07, 2024	Radiation (03CH02-KS)
Amplifier	EM	EM18G40GGA	060852	18~40GHz	Jan. 05, 2023	Apr. 20, 2023	Jan. 04, 2024	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	May 24, 2022	Apr. 20, 2023	May 23, 2023	Radiation (03CH02-KS)
Amplifier	EM	EM01G18G	060806	1GHz~18GHz	Oct. 12, 2022	Apr. 20, 2023	Oct. 11, 2023	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Apr. 20, 2023	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Apr. 20, 2023	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Apr. 20, 2023	NCR	Radiation (03CH02-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% ($U = 2Uc(y)$)	2.94dB
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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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