



# FCC Test Report

APPLICANT : BLU Products,Inc.  
EQUIPMENT : Mobile Phone  
BRAND NAME : BLU  
MODEL NAME : B300V  
FCC ID : YHLBLUB300V  
STANDARD : 47 CFR Part 15 Subpart B  
CLASSIFICATION : Certification  
TEST DATE(S) : Oct. 19, 2023 ~ Oct. 25, 2023

We, Sporton International Inc. (ShenZhen), 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. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

**Sporton International Inc. (ShenZhen)**

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055**

**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 5.64 dB at 0.150 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 0.80 dB at 212.36 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

BLU Products,Inc.  
8600 NW 36th Street, Suite #200 Doral, FL 33166

## 1.2. Manufacturer

BLU Products,Inc.  
8600 NW 36th Street, Suite #200 Doral, FL 33166

## 1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	BLU
Model Name	B300V
FCC ID	YHLBLUB300V
EUT supports Radios application	GSM/WCDMA/LTE WLAN 2.4GHz 802.11b/g/n HT20 Bluetooth BR/EDR/LE GPS
IMEI Code	Conduction: 350207700001099 Radiation: 350207700011395
HW Version	V1.0
SW Version	BB300VK3101050105DBG
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	
<b>Tx Frequency</b>	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 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
<b>Rx Frequency</b>	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 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 66 : 2110 MHz~ 2180 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz GPS : 1559 MHz ~ 1610 MHz
<b>Antenna Type</b>	WWAN : LDS Antenna Bluetooth / WLAN / GPS : PIFA Antenna
<b>Type of Modulation</b>	GSM/GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK HSPA : QPSK HSPA+ : 16QAM (16QAM uplink is not supported) DC-HSDPA : 64QAM LTE: QPSK / 16QAM 802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK GPS : BPSK

### 1.5. Modification of EUT

No modifications are made to the EUT during all test items.

### 1.6. Test Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Site Location</b>	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	CO01-SZ	CN1256	421272

<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Site Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH05-SZ	CN1256	421272

### 1.7. Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH05-SZ	AUDIX	E3	6.2009-8-24
2.	CO01-SZ	AUDIX	E3	6.120613b

### 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).

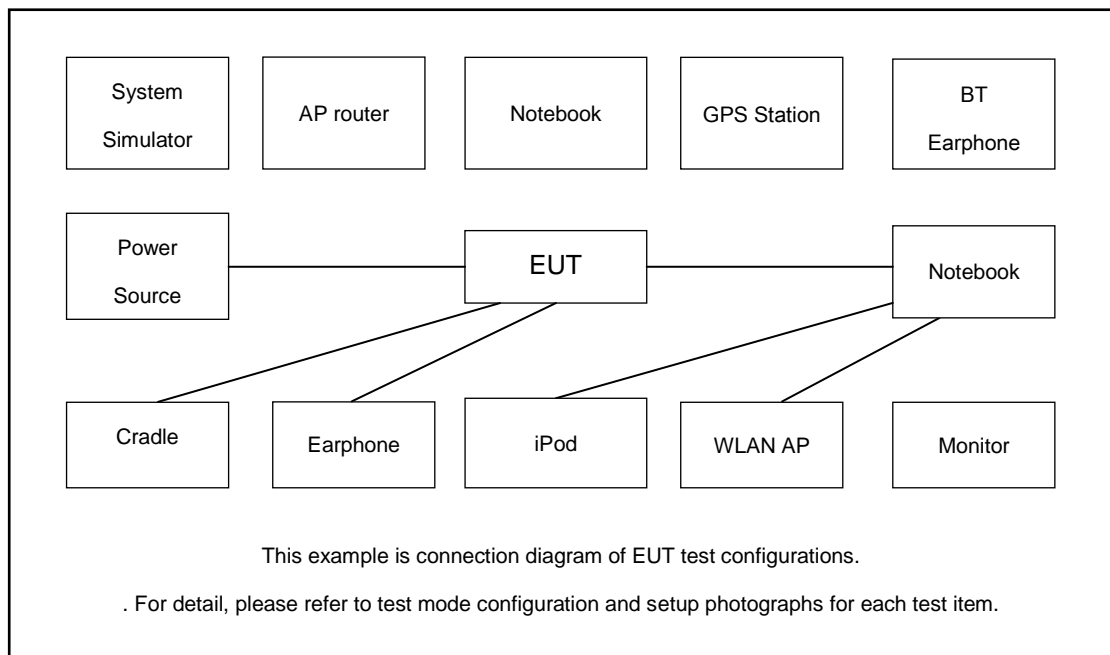
Test Items	Function Type
AC Conducted Emission	Mode 1: GSM 850 Idle(Middle CH) Camera(Rear) + Earphone + SIM 1 + Battery 1 + (SD Card Load)+ USB Cable 1(Charging from Adapter1)
	Mode 2: WCDMA Band 5 Idle(Low CH) MPEG4(Run Color Bar)+ Earphone+ SIM 1+ Battery 1+ (SD Card Load) + USB Cable 1(Data Link with Notebook) EUT (eMMC) USB Data Link to NB
	Mode 3: LTE Band 5 Idle(Middle CH) MPEG4(Run Color Bar) + Earphone + SIM 1 + Battery 1 + (SD Card Load) + USB Cable 1(Data Link with Notebook) NB USB Data Link to EUT (eMMC)
	Mode 4: LTE Band 12 Idle(Middle CH) MPEG4(Run Color Bar) + Earphone + SIM 1 + Battery 1 + (SD Card Link) + USB Cable 1(Data Link with Notebook) EUT (SD Card) USB Data Link to NB
	Mode 5: LTE Band 13 Idle(High CH) MPEG4(Run Color Bar) + Earphone + SIM 1 + Battery 1 + (SD Card Link) + USB Cable 1(Data Link with Notebook) NB USB Data Link to EUT (SD Card)
	Mode 6: WCDMA Band 5 Idle(Low CH)+ Earphone + SIM 1 + Battery 1 + (SD Card Load) + USB Cable 1(Data Link with Notebook) EUT (eMMC) USB Data Link to NB
Radiated Emissions	Mode 1: GSM 850 Idle(Middle CH) Camera(Rear) + Earphone + SIM 1 + Battery 1 + (SD Card Load) + USB Cable 1 (Charging from Adapter1 )
	Mode 2: WCDMA Band 5 Idle(Low CH) MPEG4(Run Color Bar) + Earphone + SIM 1 + Battery 1 + (SD Card Load) + USB Cable 1(Data Link with Notebook) EUT (eMMC) USB Data Link to NB
	Mode 3: LTE Band 5 Idle(Middle CH) Camera(Rear) + Earphone + SIM 1 + Battery 1 + (SD Card Load) + USB Cable 1(Data Link with Notebook) NB USB Data Link to EUT (eMMC)
	Mode 4: LTE Band 12 Idle(Middle CH) Camera(Rear) + Earphone + SIM 1 + Battery 1 + (SD Card Link) + USB Cable 1(Data Link with Notebook) EUT (SD Card) USB Data Link to NB
	Mode 5: LTE Band 13 Idle(High CH) Camera(Rear) + Earphone + SIM 1 + Battery 1 + (SD Card Link) + USB Cable 1(Data Link with Notebook) NB USB Data Link to EUT (SD Card)
	Mode 6: LTE Band 13 Idle(High CH) - + Earphone + SIM 1 + Battery 1 + (SD Card Link) + USB Cable 1(Data Link with Notebook) NB USB Data Link to EUT (SD Card)



**Remark:**

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 5; 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, 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, 1.8m
2.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 2.7m with Core
4.	NOTE BOOK	Lenovo	E540	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	DELL	Inspiron 15-7570	Fcc DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
6.	Earphone	apple	DCAY1V-A900FZJW3-000	N/A	N/A	N/A
7.	Earphone	Apple	MC690ZP/A	N/A	Shielded, 1.0m	N/A
8.	iPod	Apple	MC69029/A	N/A	N/A	N/A
9.	IPod	Apple	MC525 ZP/A	Fcc DoC	Shielded, 1.0m	N/A
10.	SD Card	Kingston	3300-10000-078	Fcc DoC	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.

1. Data application is transferred between notebook and EUT via USB cable.
2. Turn on camera to capture images.
3. Turn on MPEG4 function.

### 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.

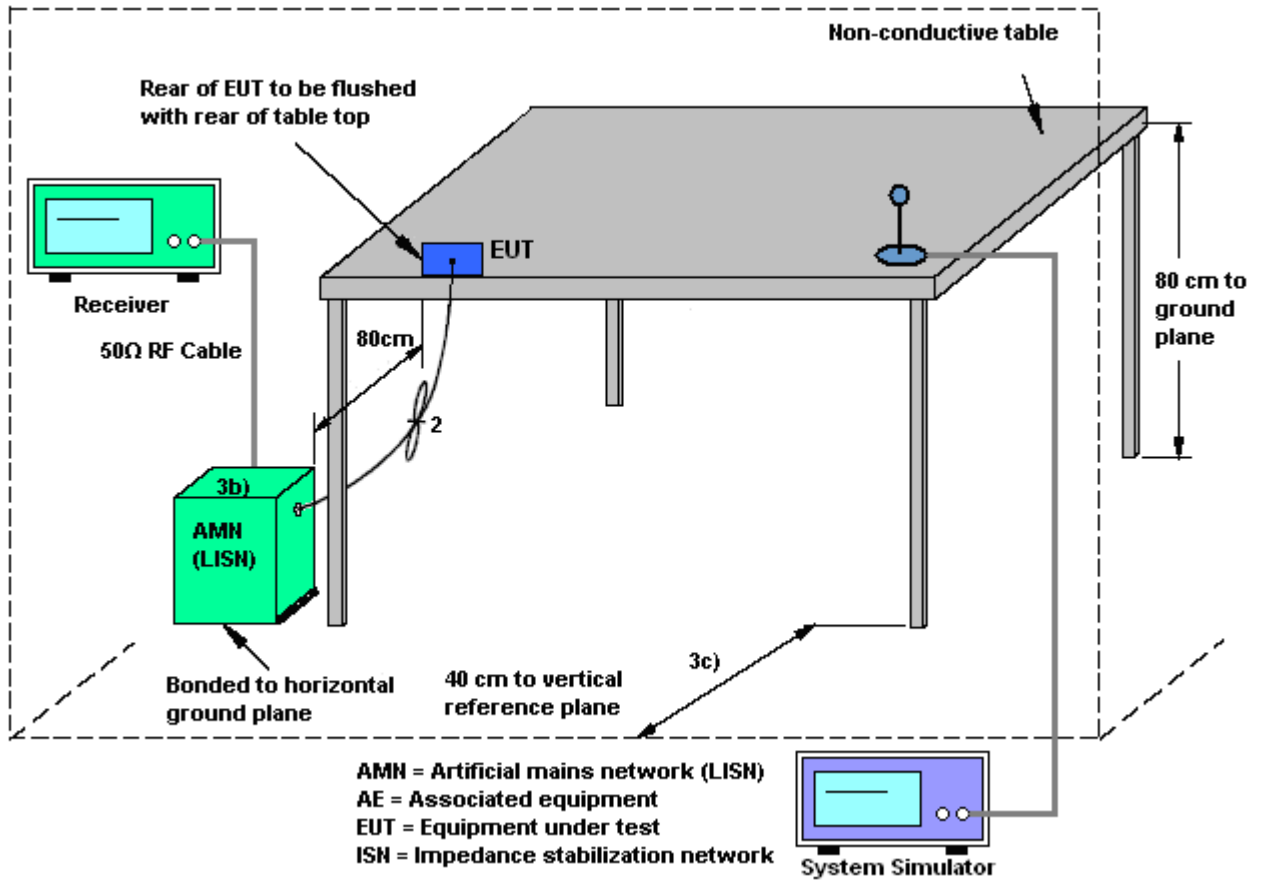
##### 3.1.2 Measuring Instruments

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.

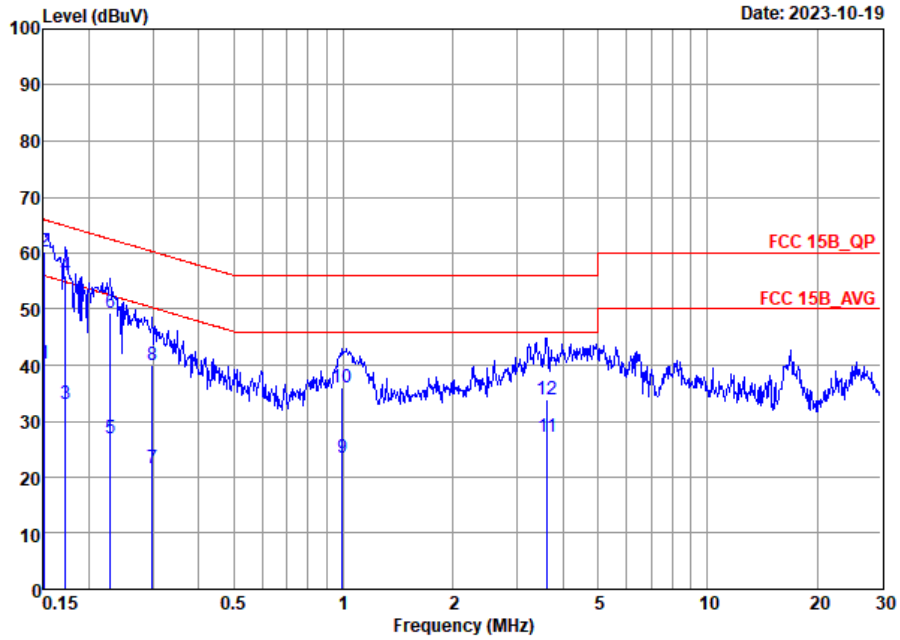
### 3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	Lily Qiu	Temperature :	22~24°C
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

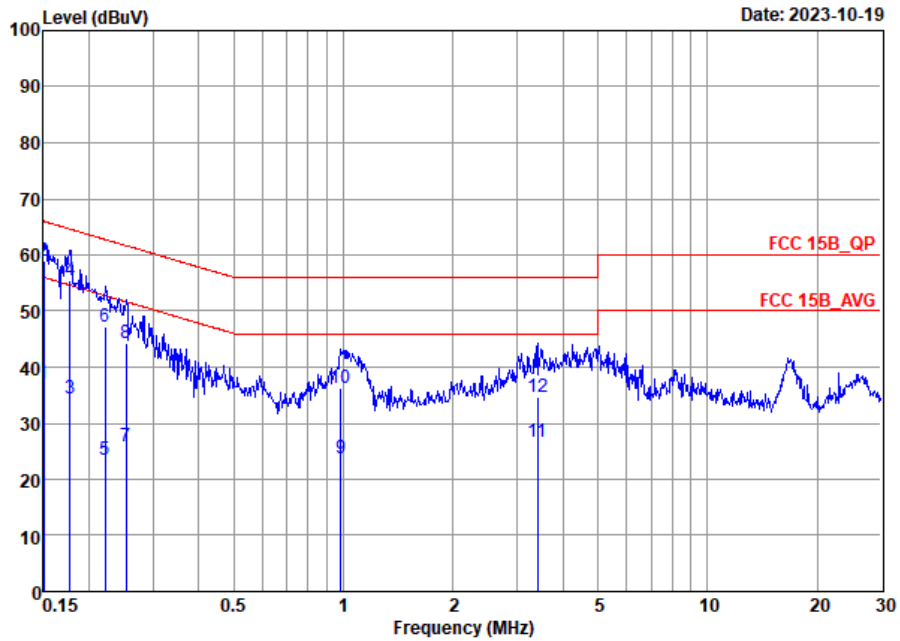


Site : CO01-SZ  
 Condition: FCC 15B\_QP AC LISN 100063\_L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	40.32	-15.64	55.96	19.81	10.38	10.13	Average
2 *	0.15	60.32	-5.64	65.96	39.81	10.38	10.13	QP
3	0.17	32.99	-21.87	54.86	12.60	10.25	10.14	Average
4	0.17	55.99	-8.87	64.86	35.60	10.25	10.14	QP
5	0.23	26.82	-25.66	52.48	6.40	10.27	10.15	Average
6	0.23	49.32	-13.16	62.48	28.90	10.27	10.15	QP
7	0.30	21.60	-28.68	50.28	1.41	10.04	10.15	Average
8	0.30	40.00	-20.28	60.28	19.81	10.04	10.15	QP
9	0.99	23.42	-22.58	46.00	3.00	10.26	10.16	Average
10	0.99	36.02	-19.98	56.00	15.60	10.26	10.16	QP
11	3.62	27.17	-18.83	46.00	6.69	10.17	10.31	Average
12	3.62	33.77	-22.23	56.00	13.29	10.17	10.31	QP



Test Engineer :	Lily Qiu	Temperature :	22~24°C
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ  
 Condition: FCC 15B\_QP AC LISN 100063\_N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	37.16	-18.84	56.00	16.90	10.13	10.13	Average
2 *	0.15	58.96	-7.04	66.00	38.70	10.13	10.13	QP
3	0.18	34.29	-20.30	54.59	13.70	10.45	10.14	Average
4	0.18	55.39	-9.20	64.59	34.80	10.45	10.14	QP
5	0.22	23.36	-29.38	52.74	3.00	10.21	10.15	Average
6	0.22	47.16	-15.58	62.74	26.80	10.21	10.15	QP
7	0.25	25.83	-25.81	51.64	5.50	10.18	10.15	Average
8	0.25	44.23	-17.41	61.64	23.90	10.18	10.15	QP
9	0.98	23.61	-22.39	46.00	3.20	10.25	10.16	Average
10	0.98	36.21	-19.79	56.00	15.80	10.25	10.16	QP
11	3.42	26.68	-19.32	46.00	5.90	10.48	10.30	Average
12	3.42	34.58	-21.42	56.00	13.80	10.48	10.30	QP

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.

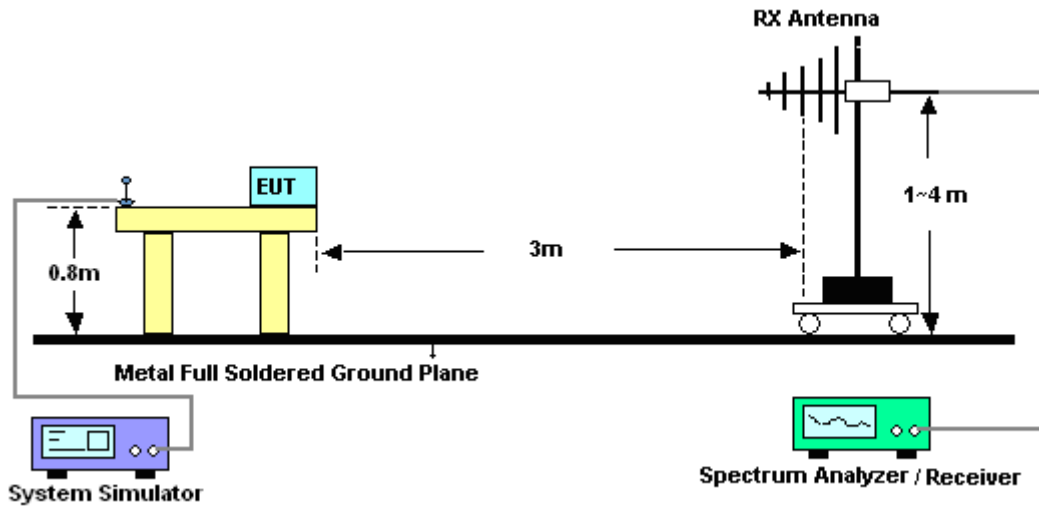
#### 3.2.3. Test Procedures

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 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

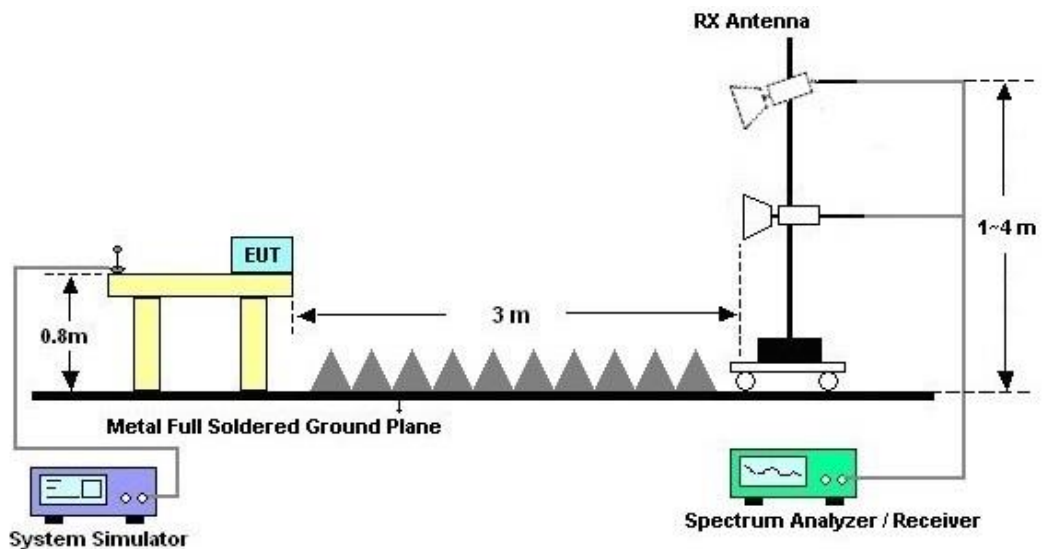
10. Exploratory radiated emissions testing of handheld and/or body-worn devices shall include rotation of the EUT through three orthogonal axes (X/Y/Z Plane) to determine the orientation (attitude) that maximizes the emissions.

### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

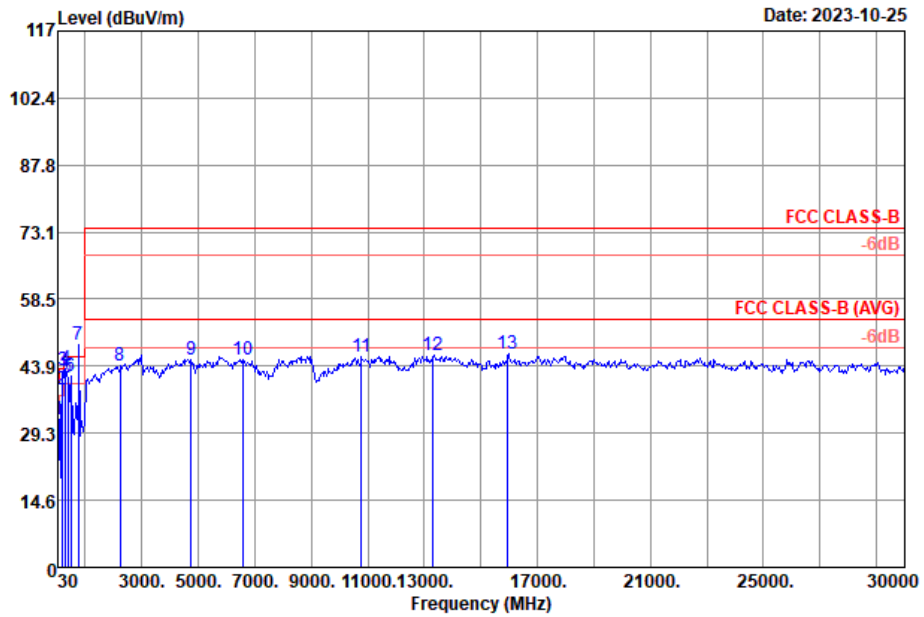






3.2.5. Test Result of Radiated Emission

Test Engineer :	ZhanSheng Liu	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored.		



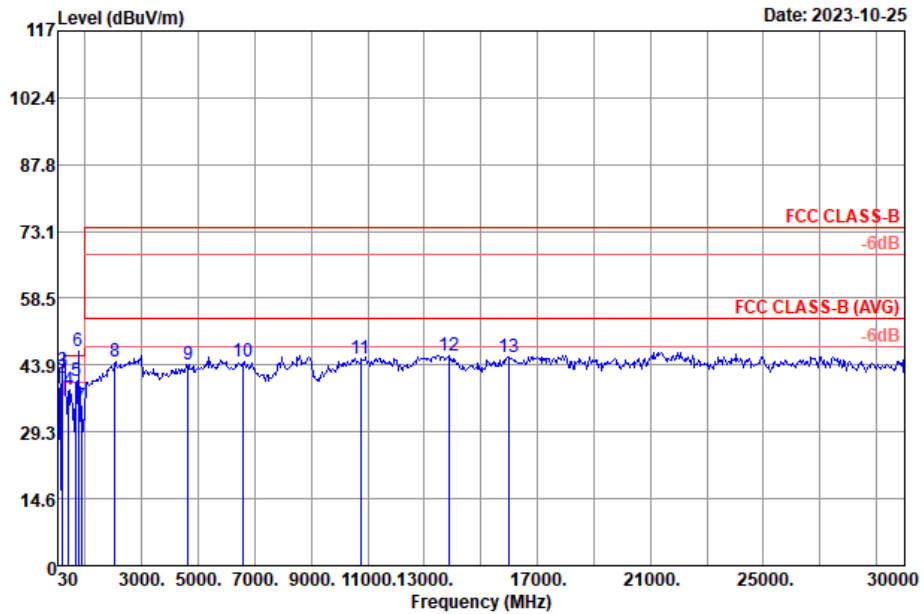
Site : 03CH05-SZ  
 Condition : FCC CLASS-B 3m VULB9168-01003 HORIZONTAL

Plane : Y

	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	48.43	32.34	-7.66	40.00	46.07	19.62	1.63	34.98	---	---	Peak
2	164.83	38.83	-4.67	43.50	53.02	18.10	2.41	34.70	---	---	Peak
3	210.42	42.96	-0.54	43.50	58.53	16.32	2.81	34.70	---	---	Peak
4	308.39	43.19	-2.81	46.00	55.23	19.31	3.25	34.60	---	---	Peak
5	379.20	41.28	-4.72	46.00	51.54	20.92	3.36	34.54	---	---	Peak
6	480.08	41.73	-4.27	46.00	49.70	23.11	3.42	34.50	---	---	Peak
7 *	751.00	48.57			51.64	27.59	3.74	34.40	---	---	Peak
8	2226.00	44.06	-29.94	74.00	54.72	32.88	6.80	50.34	---	---	Peak
9	4740.00	45.21	-28.79	74.00	49.34	36.04	9.38	49.55	---	---	Peak
10	6582.00	45.41	-28.59	74.00	46.94	36.90	10.68	49.11	---	---	Peak
11	10773.00	45.87	-28.13	74.00	41.12	39.56	13.37	48.18	---	---	Peak
12	13317.00	46.21	-27.79	74.00	38.28	40.50	14.28	46.85	---	---	Peak
13	15963.00	46.62	-27.38	74.00	39.86	42.56	15.57	51.37	---	---	Peak



Test Engineer :	ZhanSheng Liu	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH05-SZ  
 Condition : FCC CLASS-B 3m VULB9168-01003 VERTICAL

Plane : Y

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp	A/Pos	T/Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	48.43	38.94	-1.06	40.00	52.67	19.62	1.63	34.98	---	---	Peak
2	166.77	41.17	-2.33	43.50	55.47	17.98	2.42	34.70	---	---	Peak
3	212.36	42.70	-0.80	43.50	58.19	16.39	2.82	34.70	100	327	QP
4	423.82	38.31	-7.69	46.00	47.37	22.05	3.39	34.50	---	---	Peak
5	680.87	40.56	-5.44	46.00	44.52	26.77	3.71	34.44	---	---	Peak
6 *	751.00	46.91			49.98	27.59	3.74	34.40	---	---	Peak
7	849.65	35.03	-10.97	46.00	36.15	28.80	4.38	34.30	---	---	Peak
8	2044.00	44.67	-29.33	74.00	55.58	32.39	6.93	50.23	---	---	Peak
9	4629.00	44.06	-29.94	74.00	48.36	35.97	9.30	49.57	---	---	Peak
10	6597.00	44.67	-29.33	74.00	46.16	36.90	10.76	49.15	---	---	Peak
11	10758.00	45.32	-28.68	74.00	40.58	39.55	13.38	48.19	---	---	Peak
12	13866.00	46.01	-27.99	74.00	38.19	40.82	14.51	47.51	---	---	Peak
13	15999.00	45.72	-28.28	74.00	38.95	42.60	15.57	51.40	---	---	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	ESR7	101630	9kHz~7GHz;	Jul. 06, 2023	Oct. 19, 2023	Jul. 05, 2024	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Aug. 21, 2023	Oct. 19, 2023	Aug. 20, 2024	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 16, 2023	Oct. 19, 2023	Oct. 15, 2024	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 07, 2023	Oct. 19, 2023	Jul. 06, 2024	Conduction (CO01-SZ)
EMI Test Receiver	R&S	ESR7	102261	9kHz~7GHz	Apr. 04, 2023	Oct. 25, 2023	Apr. 03, 2024	Radiation (03CH05-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071191	10Hz~44GHz	Apr. 04, 2023	Oct. 25, 2023	Apr. 03, 2024	Radiation (03CH05-SZ)
Log-periodic Antenna	SCHWARZBECK	VULB 9168	01001	20MHz~1.5GHz	Jul. 08, 2023	Oct. 25, 2023	Jul. 07, 2024	Radiation (03CH05-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz~3000MHz	Apr. 04, 2023	Oct. 25, 2023	Apr. 03, 2024	Radiation (03CH05-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-2206	1GHz~18GHz	Apr. 04, 2023	Oct. 25, 2023	Apr. 03, 2024	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM01G18GA	060781	1GHz~18GHz	Apr. 04, 2023	Oct. 25, 2023	Apr. 03, 2024	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM18G40G	060778	18GHz~40GHz	Apr. 04, 2023	Oct. 25, 2023	Apr. 03, 2024	Radiation (03CH05-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	00983	15GHz~40GHz	Apr. 08, 2023	Oct. 25, 2023	Apr. 07, 2024	Radiation (03CH05-SZ)
AC Power Source	APC	AFV-S-600	F119050013	N/A	Oct. 18, 2023	Oct. 25, 2023	Oct. 17, 2024	Radiation (03CH05-SZ)
Turn Table	EMEC	T-200-S-1	060925-T	0~360 degree	NCR	Oct. 25, 2023	NCR	Radiation (03CH05-SZ)
Antenna Mast	EMEC	MBS-400-1	060927	1 m~4 m	NCR	Oct. 25, 2023	NCR	Radiation (03CH05-SZ)

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% ( $U = 2Uc(y)$ )	2.7dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.2dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.1dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.1dB
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