

TEST REPORT

Applicant: OnePlus Technology (Shenzhen) Co., Ltd.
18C02, 18C03, 18C04, and 18C05, Shum Yip Terra
Address: Building, Binhe Avenue North, Futian District,
Shenzhen, Guangdong, P.R. China
Equipment Type: Watch
Model Name: OPWWE251
Brand Name: ONEPLUS
FCC ID: 2ABZ2-OPWWE251
47 CFR Part 15 Subpart B
Test Standard: ICES-003 (Issue 7, October 15, 2020)
ANSI C63.4-2014
Sample Arrival Date: Sep. 14, 2024
Test Date: Sep. 25, 2024 - Oct. 25, 2024
Date of Issue: Oct. 31, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Qiu Yongjing **Checked by:** Liu Zhenxiang **Approved by:** Tolan Tu
(Testing Director)



Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Oct. 31, 2014</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

2.2 Manufacturer Information

Manufacturer	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Watch
Model Name Under Test	OPWWE251
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	XK929
Software Version	OPWWE251_11_A.02
Dimensions (Approx.)	46.6mm*47.6mm*11.75mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery	
	Brand Name	OPPO
	Model No.	BLW015
	Serial No.	N/A
	Capacity	Rated Capacity: 631mAh/2.46Wh Typical Capacity: 648mAh/2.53Wh
	Rated Voltage	3.89V
	Limited Voltage	4.53V
	Manufacturer	Dongguan NVT Technology Co., Ltd
Ancillary Equipment 2	Charge base 1	
	Model No.	ODP52
	Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
	OVP model (Manufacturer)	SGM2521 (SG Micro Corp)
Ancillary Equipment 3	Charge base 2	
	Model No.	ODP52
	Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
	OVP model (Manufacturer)	WS3251 (Will Semiconductor Co., Ltd. shanghai)
Ancillary Equipment 4	USB Cable	
	Model No.	DL154
	Length (Approx.)	1.0 m
Note1: All Charge bases are tested, only the worst data of WS3251 SGM2521 (SG Micro Corp) shown in this report.		

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20) GNSS, NFC
Classification of equipment	Class B
The highest internal frequency of EUT	5850 MHz

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	ICES-003 (Issue 7, October 15, 2020)	Information Technology Equipment (Including Digital Apparatus)
3	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

3.2 Verdict

No.	Description	FCC Rule	ISED Rule	Test Verdict	Remark
1	Radiated Emission	15.109	ICES-003, 3.2.2	Pass	--
2	Conducted Emission, AC Ports	15.107	ICES-003, 3.2.1	Pass	--

3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Conducted emissions (9 kHz-30 MHz)	3.2 dB
Radiated emissions (30 MHz-1 GHz)-966#2	4.4 dB
Radiated emissions (1 GHz-18 GHz)-966#2	5.0 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Adapter	VIVO	V2323A	N/A	N/A	N/A	☒
Adapter	Huawei	HW-050450C00	N/A	N/A	N/A	☒

4.2 Test Configurations

All test modes of EUT are listed in the table below.

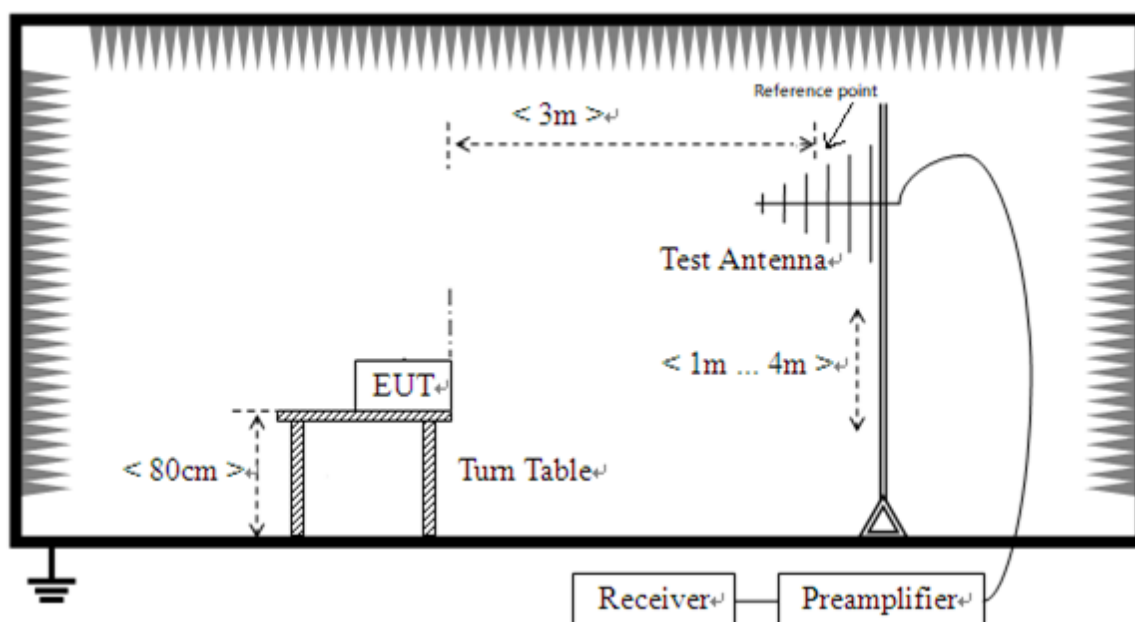
Test Mode Configuration	Description
Mode 1	<u>The Charging Test Mode</u> EUT + Adapter + USB Cable + Battery + Charging Base
Mode 2	<u>The Loudspeaker Test Mode</u> EUT + Adapter + USB Cable + Battery + Charging Base + Loudspeaker Work
Mode 3	<u>The Compass Test Mode</u> EUT + Adapter + USB Cable + Battery + Charging Base
Mode 4	<u>The Touch Test Mode</u> EUT + Adapter + USB Cable + Battery + Charging Base
Mode 5	<u>The Sport Monitoring Test Mode</u> EUT + Adapter + USB Cable + Battery + Charging Base

Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 5	1
Conducted Emission, AC Ports	Mode 1~Mode 5	1

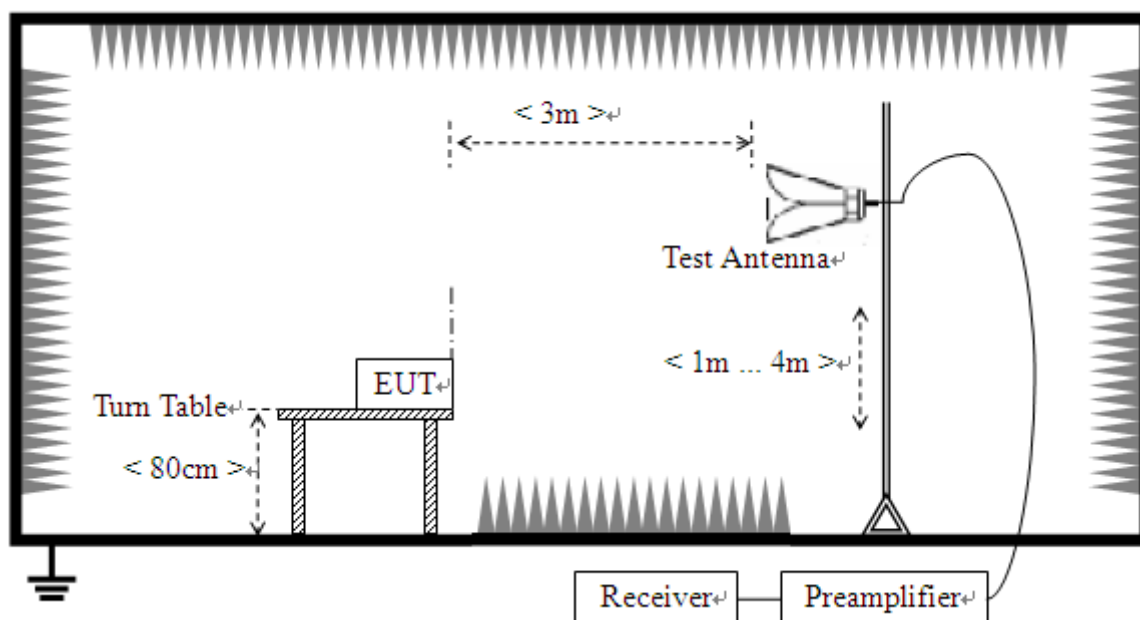
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.

4.3 Test Setups

Test Setup 1

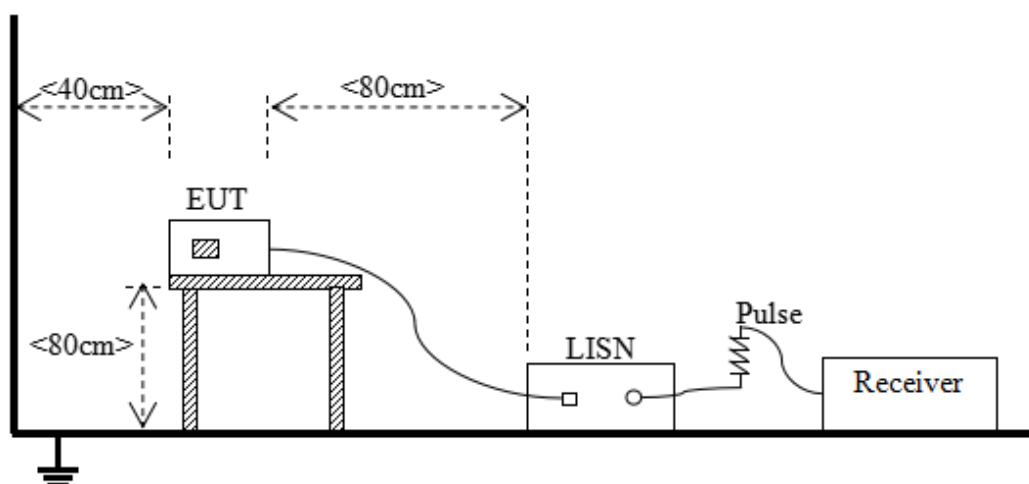


Radiated Emission (30 MHz-1 GHz)



Radiated Emission (above 1 GHz)

Test Setup 2



Conducted Emissions, AC Ports

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

FCC:

Frequency range (MHz)	Class B (at 3 m)		Class A (at 3 m)
	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)
30 - 88	100	40	49.5
88 - 216	150	43.5	54
216 - 960	200	46	56.9
Above 960	500	54	60

NOTE:

- 1) Field Strength (dB $\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For 30 MHz to 1000 MHz, the CISPR quasi-peak is employed.

For above 1000 MHz, according to the requirements of FCC 15.35, unless otherwise specified, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

Frequency range (GHz)	Class B (at 3 m)			Class A (at 3 m)	
	Field Strength ($\mu\text{V/m}$)	Field Strength Average (dB $\mu\text{V/m}$)	Field Strength Peak (dB $\mu\text{V/m}$)	Field Strength Average (dB $\mu\text{V/m}$)	Field Strength Peak (dB $\mu\text{V/m}$)
1 - F_M	500	54	74	60	80

Note 1: The highest measurement frequency, F_M , in GHz, shall be determined as next Table.

Note 2: Average Class A limit at 3m L_{3m} is determined by the following conversion formula:

$$L_{3m} = L_{10m} + 20 \cdot \log(d_{10m}/d_{3m})$$

Where:

L_{3m} is Average Class A limit at 3m;

L_{10m} is Average Class A limit at 10m;

d_{10m} is Measurement distance in 10m;

d_{3m} is Measurement distance in 3m.

For this case: $L_{3m} = 49.5 + 20 \cdot \log(10/3) = 60$ (dB $\mu\text{V/m}$).

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq 108 \text{ MHz}$	1 GHz
$108 \text{ MHz} \leq F_X \leq 500 \text{ MHz}$	2 GHz
$500 \text{ MHz} \leq F_X \leq 1 \text{ GHz}$	5 GHz
$F_X \geq 1 \text{ GHz}$	$5 \cdot F_X$

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
	or 40 GHz, whichever is lower.
Note: F_X is Highest frequency generated or used in the device or on which the device operates or tunes.	

IC:

Frequency range (MHz)	Class A (3 m)	Class B (3 m)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 - 88	50.0	40.0
88 - 216	54.0	43.5
216 - 230	56.9	46.0
230 - 960	57.0	47.0
960 - 1000	60.0	54.0
Note: The more stringent limit applies at transition frequencies.		

Frequency range (GHz)	Class A (3 m)		Class B (3 m)	
	Average (dB μ V/m)	Peak (dB μ V/m)	Average (dB μ V/m)	Peak (dB μ V/m)
1 - F_M	60	80	54	74
Note:				
1. The highest measurement frequency, F_M , in GHz, shall be determined as next Table.				
2. The measurement bandwidth shall be 1 MHz or greater.				
3. These limit levels apply for a measurement distance of 3 m. If using a different measurement distance, the measured levels shall be extrapolated to the 3 m limit distance using a factor of 20 dB per decade of distance. The measurement distance shall place the measurement antenna in the far field of the ITE or digital apparatus under test.				
4. The test site shall have been validated at the distance used for radiated emission measurements on the ITE or digital apparatus under test.				

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq 108$ MHz	1GHz
108 MHz $\leq F_X \leq 500$ MHz	2GHz
500 MHz $\leq F_X \leq 1$ GHz	5GHz
$F_X \geq 1$ GHz	5 * F_X up to a maximum of 40 GHz
Note: F_X is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test.	

5.1.1.2 Test Setup

Refer to 4.3 section (test setup 1) for radiated emission test, the photo of test setup please refer to ANNEX B.

5.1.1.3 Test Procedure

The test employing the methods of measurement described in the publication referenced in ICES-003 Section 3(b) (ANSI C63.4) and ANSI C63.4;

All Radiated Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

The measurement frequency range is from 30 MHz to the 5th harmonic of the maximum frequency of the EUT internal source. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak for $f < 1$ GHz, peak & RMS Average for $f \geq 1$ GHz

Trace = max hold

5.1.1.4 Test Result and Test Equipment List

Please refer to ANNEX A.1.

NOTE:

1. Results (dB μ V/m) = Reading (dB μ V) + Factor (dB/m)

The reading level is calculated by software which is not shown in the sheet

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain (dB)

3. Margin = Limit – Results

5.1.2 Conducted Emission, AC Ports

5.1.2.1 Test Limit

Frequency range (MHz)	Class A	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	79	66
0.50 - 30	73	60

Frequency range (MHz)	Class B	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.
- 3) The limit using ANSI C63.4.

5.1.2.2 Test Setup

Refer to 4.3 section test (test setup 2) for conducted emission, the photo of test setup please refer to ANNEX B.

5.1.2.3 Test Procedure

The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

The EUT is connected to the power mains through a LISN which provides 50 Ω /50 μ H of coupling impedance for the measuring instrument. The test frequency range is from 150 kHz to 30 MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

Use the following spectrum analyzer settings:

RBW = 9 kHz

VBW $\geq$ RBW

Sweep = 10ms

Detector function =peak & Average

Trace = max hold

5.1.2.4 Test Result and Test Equipment List

Please refer to ANNEX A.2.

NOTE:

1. Results (dBμV) = Reading (dBμV) + Factor (dB)

The reading level is calculated by software which is not shown in the sheet

2. Factor = Insertion loss + Cable loss

3. Margin = Limit – Results

ANNEX A TEST RESULTS

A.1 Radiated Emission

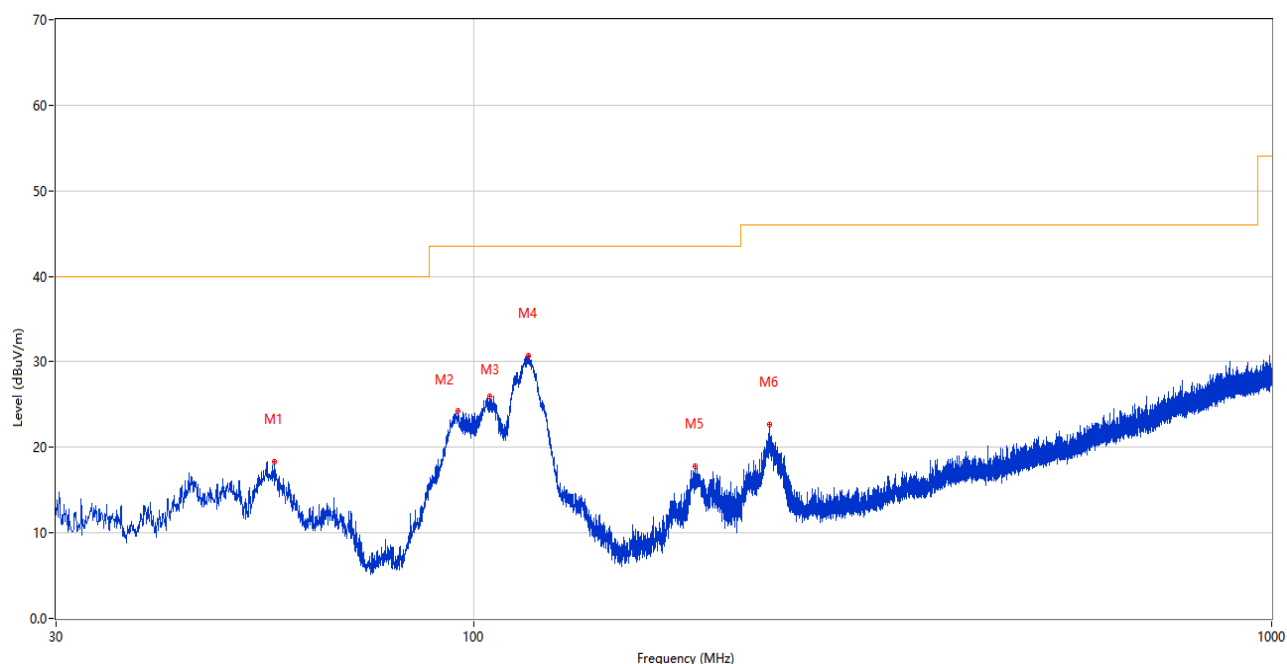
Note 1: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 2: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	S02	Temperature	23℃
Humidity	44%RH	Pressure	101kPa
Test Engineer	He Shichang	Test Date	2024.09.25

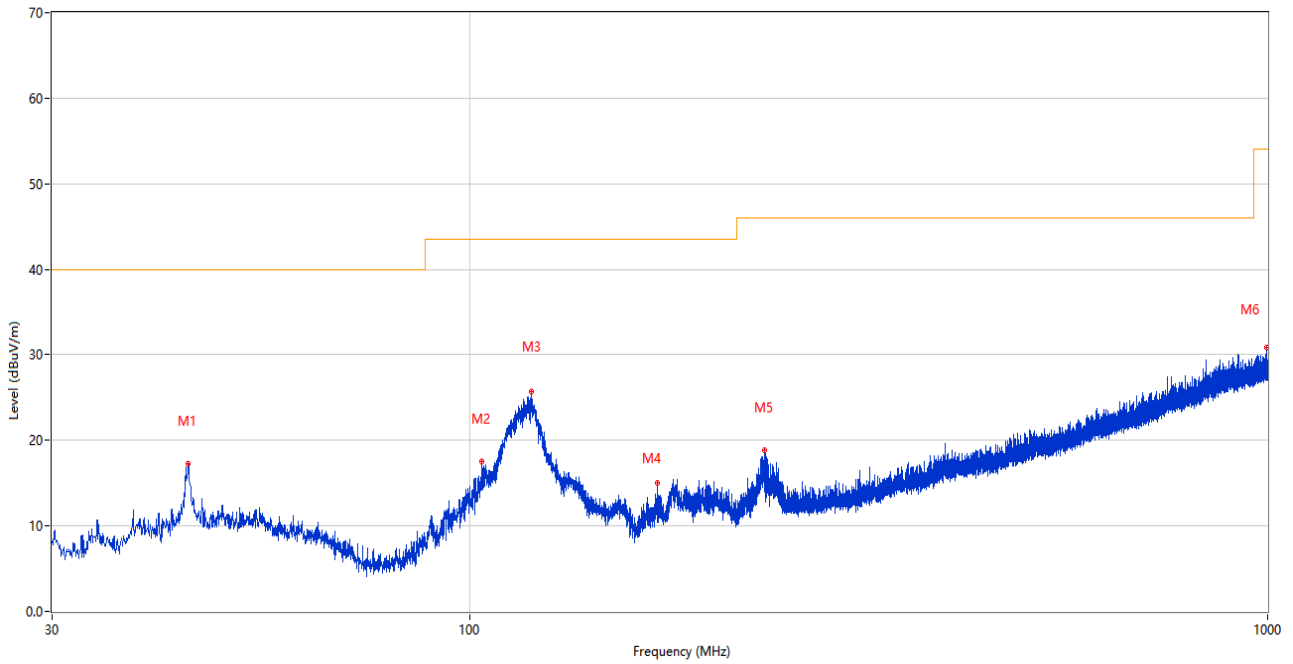
Test Mode 1

1) Test Antenna Vertical, 30 MHz – 1 GHz (FCC)



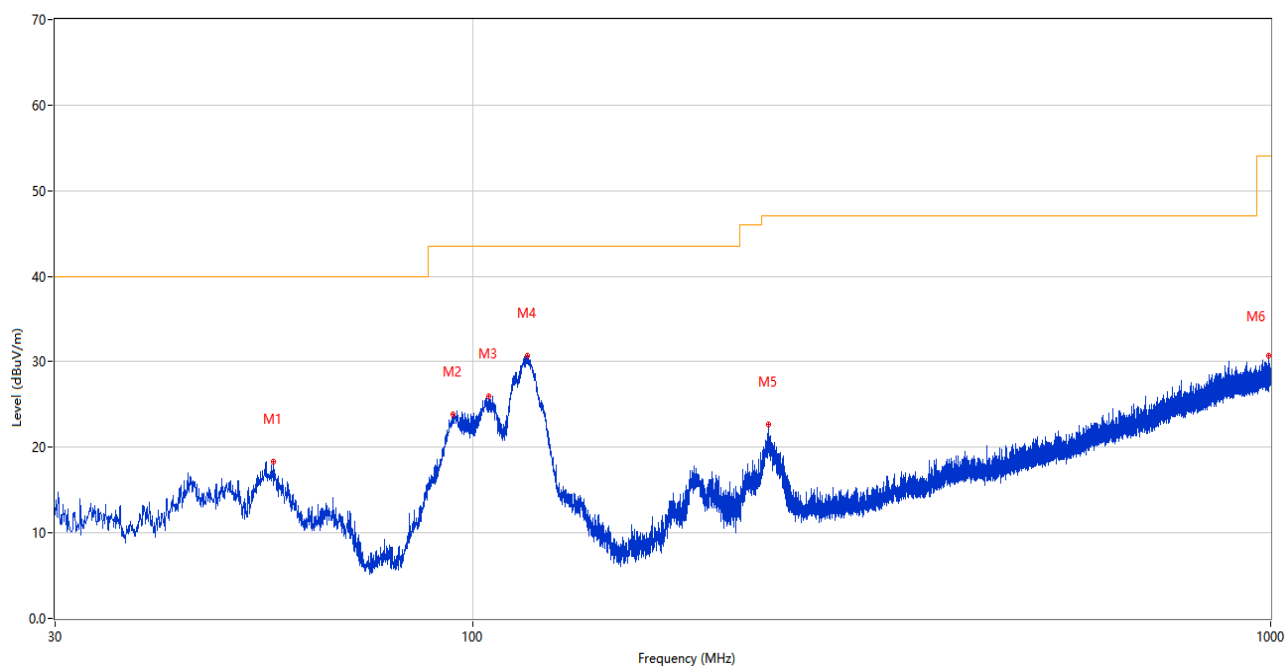
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	56.384	18.37	-26.09	40.0	21.63	Peak	99.00	100	Vertical	Pass
2	95.572	24.30	-27.48	43.5	19.20	Peak	78.00	100	Vertical	Pass
3	104.739	25.95	-26.53	43.5	17.55	Peak	67.00	100	Vertical	Pass
4	117.203	30.69	-27.86	43.5	12.81	Peak	74.00	100	Vertical	Pass
5	189.371	17.77	-27.55	43.5	25.73	Peak	7.00	100	Vertical	Pass
6	235.155	22.69	-25.37	46.0	23.31	Peak	133.00	100	Vertical	Pass

2) Test Antenna Horizontal, 30 MHz – 1 GHz (FCC)



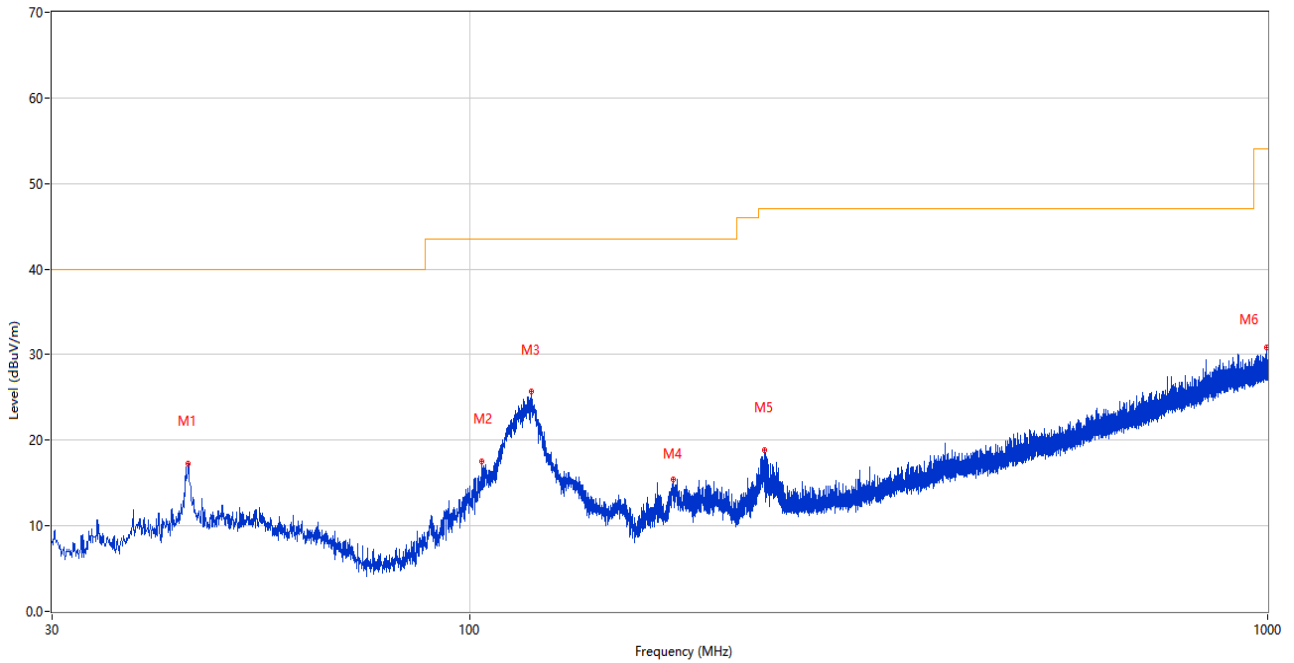
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.453	17.33	-25.69	40.0	22.67	Peak	238.00	100	Horizontal	Pass
2	103.526	17.51	-26.51	43.5	25.99	Peak	158.00	100	Horizontal	Pass
3	119.579	25.64	-28.26	43.5	17.86	Peak	340.00	200	Horizontal	Pass
4	171.911	15.03	-29.06	43.5	28.47	Peak	0.00	100	Horizontal	Pass
5	234.476	18.87	-25.38	46.0	27.13	Peak	263.00	100	Horizontal	Pass
6	996.799	30.80	-8.40	54.0	23.20	Peak	77.00	200	Horizontal	Pass

3) Test Antenna Vertical, 30 MHz – 1 GHz (IC)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	56.384	18.37	-26.09	40.0	21.63	Peak	99.00	100	Vertical	Pass
2	94.456	23.82	-27.64	43.5	19.68	Peak	65.00	100	Vertical	Pass
3	104.739	25.95	-26.53	43.5	17.55	Peak	67.00	100	Vertical	Pass
4	117.203	30.69	-27.86	43.5	12.81	Peak	74.00	100	Vertical	Pass
5	235.155	22.69	-25.37	47.0	24.31	Peak	133.00	100	Vertical	Pass
6	995.150	30.77	-8.43	54.0	23.23	Peak	234.00	100	Vertical	Pass

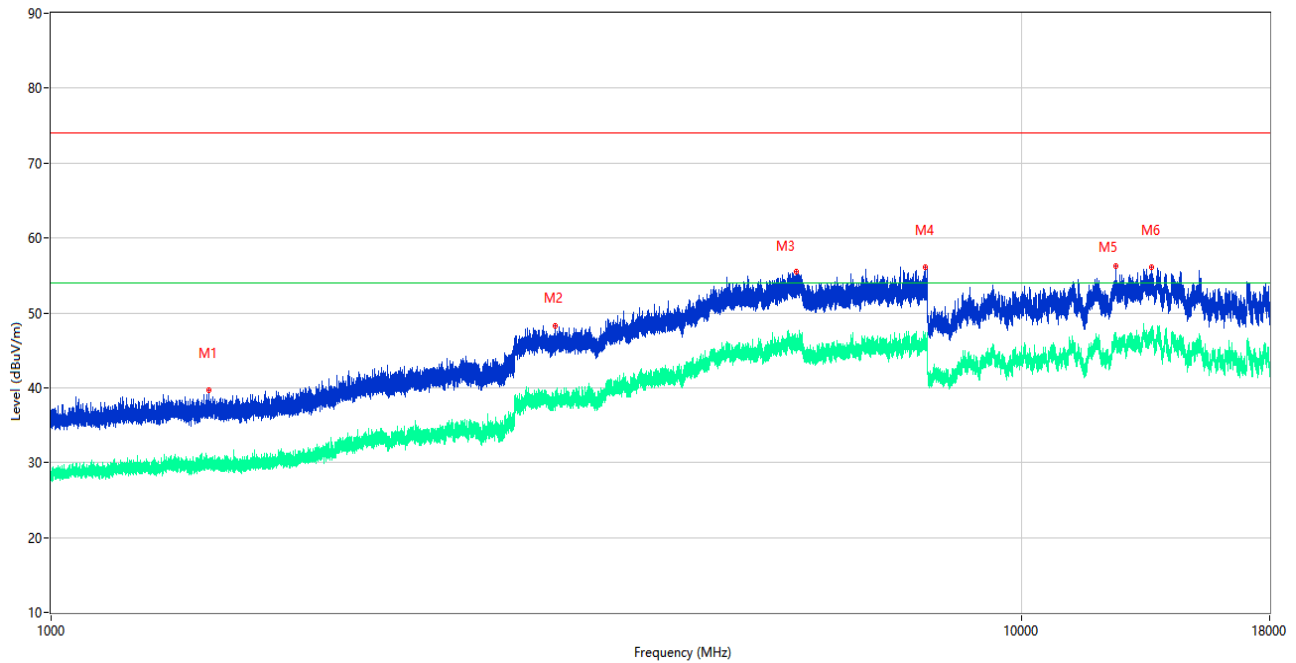
4) Test Antenna Horizontal, 30 MHz – 1 GHz (IC)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.453	17.33	-25.69	40.0	22.67	Peak	238.00	100	Horizontal	Pass
2	103.526	17.51	-26.51	43.5	25.99	Peak	158.00	100	Horizontal	Pass
3	119.579	25.64	-28.26	43.5	17.86	Peak	340.00	200	Horizontal	Pass
4	180.156	15.44	-28.52	43.5	28.06	Peak	306.00	200	Horizontal	Pass
5	234.476	18.87	-25.38	47.0	28.13	Peak	263.00	100	Horizontal	Pass
6	996.799	30.80	-8.40	54.0	23.20	Peak	77.00	200	Horizontal	Pass

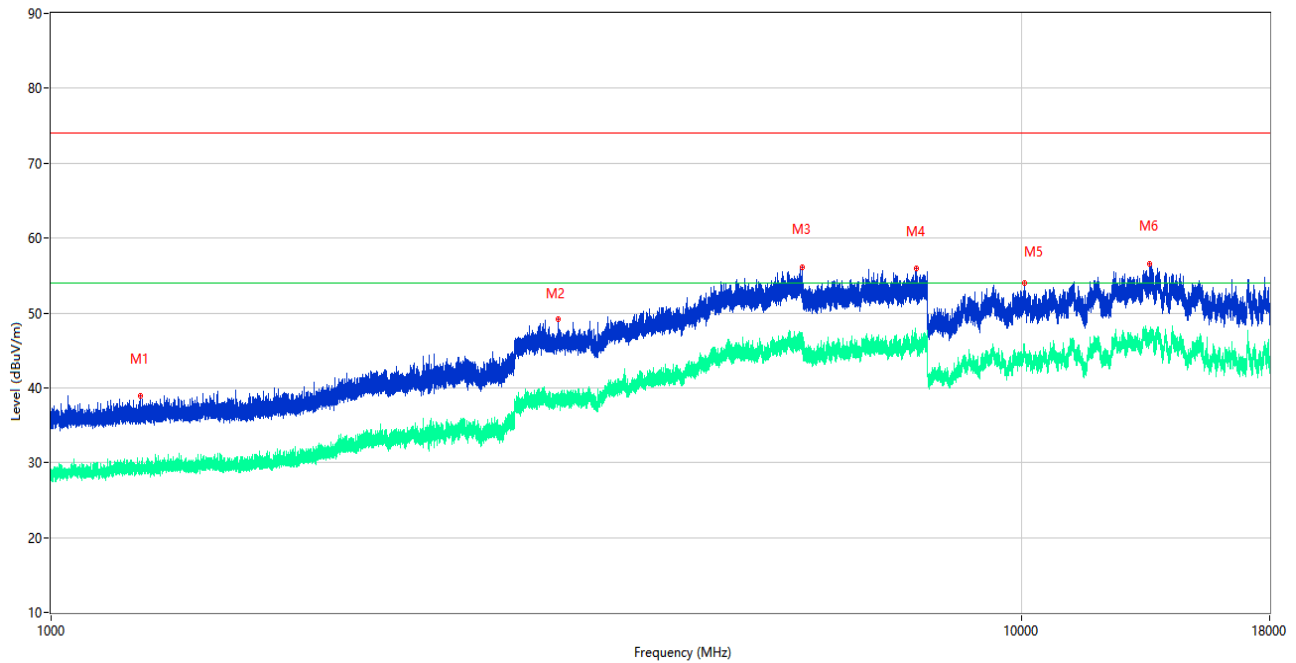
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

5) Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1453.300	39.65	-15.84	74.0	34.35	Peak	90.00	100	Vertical	Pass
1**	1453.300	29.49	-15.84	54.0	24.51	AV	90.00	100	Vertical	Pass
2	3303.000	48.32	-4.47	74.0	25.68	Peak	273.00	100	Vertical	Pass
2**	3303.000	38.11	-4.47	54.0	15.89	AV	273.00	100	Vertical	Pass
3	5850.750	55.48	3.69	74.0	18.52	Peak	354.00	100	Vertical	Pass
3**	5850.750	45.08	3.69	54.0	8.92	AV	354.00	100	Vertical	Pass
4	7957.500	56.13	2.84	74.0	17.87	Peak	139.00	100	Vertical	Pass
4**	7957.500	46.91	2.84	54.0	7.09	AV	139.00	100	Vertical	Pass
5	12490.500	56.20	3.11	74.0	17.80	Peak	248.00	100	Vertical	Pass
5**	12490.500	46.04	3.11	54.0	7.96	AV	248.00	100	Vertical	Pass
6	13598.000	56.11	4.71	74.0	17.89	Peak	116.00	100	Vertical	Pass
6**	13598.000	45.85	4.71	54.0	8.15	AV	116.00	100	Vertical	Pass

6) Test Antenna Horizontal, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1236.600	38.93	-16.26	74.0	35.07	Peak	4.00	100	Horizontal	Pass
1**	1236.600	28.86	-16.26	54.0	25.14	AV	4.00	100	Horizontal	Pass
2	3328.250	49.19	-4.16	74.0	24.81	Peak	33.00	100	Horizontal	Pass
2**	3328.250	38.75	-4.16	54.0	15.25	AV	33.00	100	Horizontal	Pass
3	5933.500	56.16	2.88	74.0	17.84	Peak	322.00	100	Horizontal	Pass
3**	5933.500	45.14	2.88	54.0	8.86	AV	322.00	100	Horizontal	Pass
4	7783.750	55.93	3.19	74.0	18.07	Peak	51.00	100	Horizontal	Pass
4**	7783.750	46.20	3.19	54.0	7.80	AV	51.00	100	Horizontal	Pass
5	10059.000	53.95	2.39	74.0	20.05	Peak	65.00	100	Horizontal	Pass
5**	10059.000	45.24	2.39	54.0	8.76	AV	65.00	100	Horizontal	Pass
6	13545.000	56.62	4.63	74.0	17.38	Peak	311.00	100	Horizontal	Pass
6**	13545.000	47.12	4.63	54.0	6.88	AV	311.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (1-12GHz)	Advanced Microwave	WLA652A	1740103	2023.12.05	2024.12.04	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2023.12.05	2024.12.04	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	01917	2022.06.09	2025.06.08	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

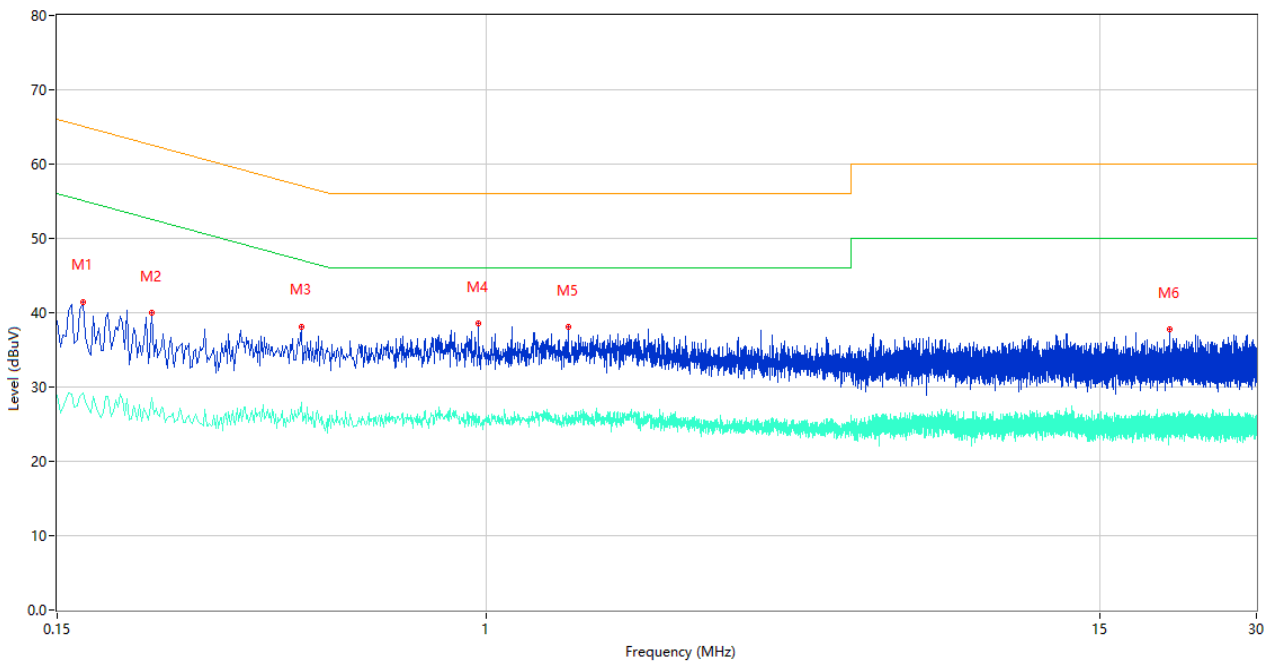
A.2 Conducted Emission, AC Ports

Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Sample No.	S02	Temperature	22.9℃
Humidity	65%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2024.09.25

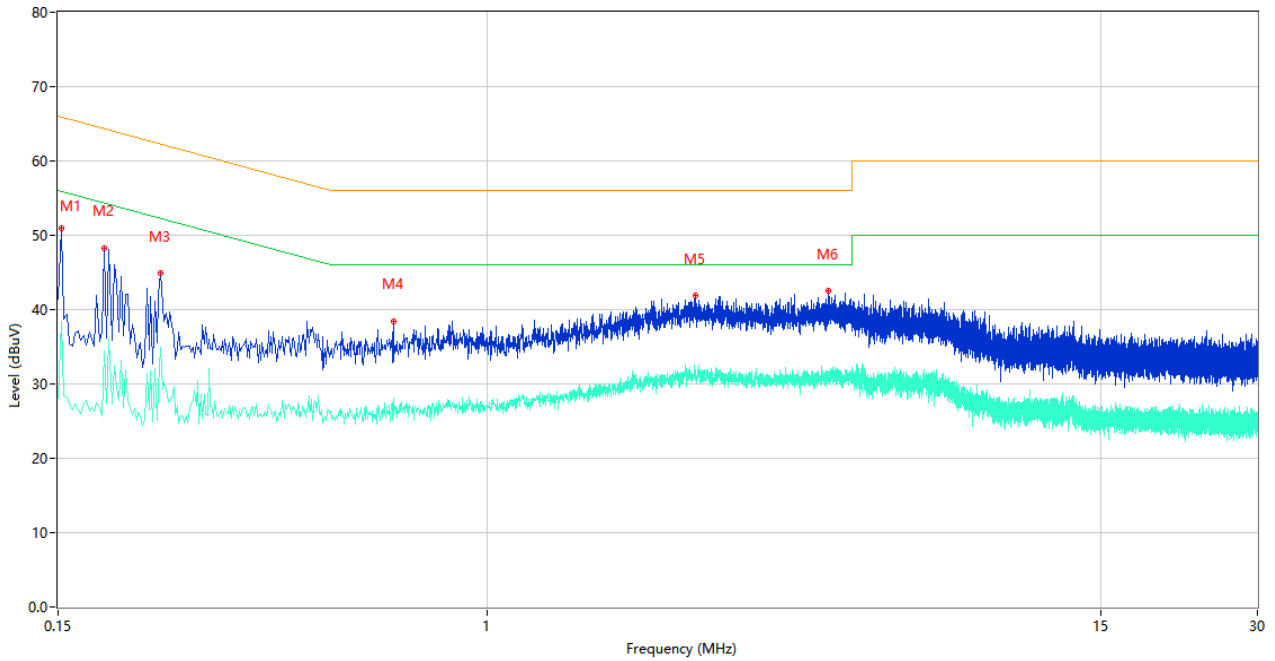
Test Mode 1

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.168	41.43	9.78	65.06	23.63	Peak	L	Pass
1**	0.168	29.24	9.78	55.06	25.82	AV	L	Pass
2	0.228	39.99	9.77	62.52	22.53	Peak	L	Pass
2**	0.228	28.57	9.77	52.52	23.95	AV	L	Pass
3	0.442	38.10	10.11	57.02	18.92	Peak	L	Pass
3**	0.442	27.90	10.11	47.02	19.12	AV	L	Pass
4	0.964	38.55	10.03	56.00	17.45	Peak	L	Pass
4**	0.964	24.90	10.03	46.00	21.10	AV	L	Pass
5	1.432	38.05	9.95	56.00	17.95	Peak	L	Pass
5**	1.432	25.92	9.95	46.00	20.08	AV	L	Pass
6	20.422	37.74	11.07	60.00	22.26	Peak	L	Pass
6**	20.422	26.16	11.07	50.00	23.84	AV	L	Pass

2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	50.89	9.78	65.89	15.00	Peak	N	Pass
1**	0.152	38.40	9.78	55.89	17.49	AV	N	Pass
2	0.184	48.31	9.78	64.30	15.99	Peak	N	Pass
2**	0.184	34.39	9.78	54.30	19.91	AV	N	Pass
3	0.236	44.88	9.77	62.24	17.36	Peak	N	Pass
3**	0.236	34.88	9.77	52.24	17.36	AV	N	Pass
4	0.660	38.44	10.30	56.00	17.56	Peak	N	Pass
4**	0.660	28.06	10.30	46.00	17.94	AV	N	Pass
5	2.506	41.88	10.15	56.00	14.12	Peak	N	Pass
5**	2.506	31.89	10.15	46.00	14.11	AV	N	Pass
6	4.508	42.46	10.43	56.00	13.54	Peak	N	Pass
6**	4.508	30.98	10.43	46.00	15.02	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31	☒
LISN	SCHWARZB ECK	NSLK 8127	8127-687	2024.05.09	2025.05.08	☒
ISN	TESEQ	ISN T800	34449	2023.11.10	2024.11.09	☐
ISN	TESEQ	ISN T8-Cat6	53561	2024.04.24	2025.04.23	☐
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2. 8m	112	2022.02.19	2025.02.18	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2490711-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2490711-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2490711-AI.PDF”.

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--END OF REPORT--