

TEST REPORT

Applicant: NOTHING TECHNOLOGY LIMITED
Address: Bedford House, 21A John Street, London, United Kingdom WC1N 2BF
Equipment Type: Headphone
Model Name: B175
Brand Name: cmf by NOTHING
FCC ID: 2AZEQ-B175
47 CFR Part 15 Subpart B
Test Standard: ICES-003 (Issue 7, October 15, 2020)
ANSI C63.4-2014
Sample Arrival Date: Jun. 07, 2025
Test Date: Jun. 07, 2025 - Jun. 19, 2025
Date of Issue: Sep. 22, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Tangqi Xiao

Checked by: Xiong Chong

Approved by: Sunny Zou
(Testing Director)

Tang qi. Xiao

Xiong Chong

Sunny Zou

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Aug. 05, 2025</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 22, 2025</u>	<u>Update the manufacturer information of Battery 1 in Section 2.4</u> <u>This report replaces BL-SZ2551124-401 which issued by BALUN on Aug. 05, 2025, the original report is invalid.</u>

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	4
1.1	Test Laboratory	4
1.2	Test Location.....	4
2	PRODUCT INFORMATION	5
2.1	Applicant Information.....	5
2.2	Manufacturer Information	5
2.3	General Description for Equipment under Test (EUT)	5
2.4	Ancillary Equipment.....	5
2.5	Technical Information	6
3	SUMMARY OF TEST RESULTS	7
3.1	Test Standards.....	7
3.2	Verdict.....	7
3.3	Test Uncertainty	7
4	GENERAL TEST CONFIGURATIONS	8
4.1	Test Enclosure List.....	8
4.2	Test Configurations	8
4.3	Test Setups.....	9
5	TEST ITEMS	11
5.1	Emission Tests.....	11
ANNEX A	TEST RESULTS.....	16
A.1	Radiated Emission	16
A.2	Conducted Emission, AC Ports	24

ANNEX B	TEST SETUP PHOTOS	27
ANNEX C	EUT EXTERNAL PHOTOS.....	27
ANNEX D	EUT INTERNAL PHOTOS.....	27

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. The certification body is American Association for Laboratory Accreditation (A2LA).

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	NOTHING TECHNOLOGY LIMITED
Address	Bedford House, 21A John Street, London, United Kingdom WC1N 2BF

2.2 Manufacturer Information

Manufacturer	NOTHING TECHNOLOGY LIMITED
Address	Bedford House, 21A John Street, London, United Kingdom WC1N 2BF

2.3 General Description for Equipment under Test (EUT)

EUT Name	Headphone
Model Name Under Test	B175
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V0.2
Software Version	V1.0.1.6
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery 1	
	Brand Name	N/A
	Model No.	M653035
	Serial No.	N/A
	Capacitance	720mAh
	Rated Voltage	3.7V
	Limited Voltage	4.2V
	Manufacturer	Jiangxi Mic-power New Energy Co., Ltd.
Ancillary Equipment 2	Battery 2	
	Brand Name	N/A
	Model No.	653035PN2
	Serial No.	N/A
	Capacitance	720mAh
	Rated Voltage	3.7V
	Limited Voltage	4.2V
	Manufacturer	Chongqing VDL Electronics Co., Ltd.
All the above-mentioned batteries have been tested. The report only shows the worst		

configuration.

2.5 Technical Information

Network and Wireless connectivity	Bluetooth
Classification of equipment	Class B
The highest internal frequency of EUT	2478 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#4	4.4 dB
Radiated emissions (1 GHz-18 GHz)-966#4	5.0 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
AUX Cable	N/A	N/A	N/A	1m	N/A	☒
Mobile Phone	XIAOMI	M2003J15S C	MP-XM-001	N/A	N/A	☒
Adapter	OPPO	AK903HK	N/A	N/A	N/A	☒
USB Cable	OPPO	N/A	N/A	1m	N/A	☒

4.2 Test Configurations

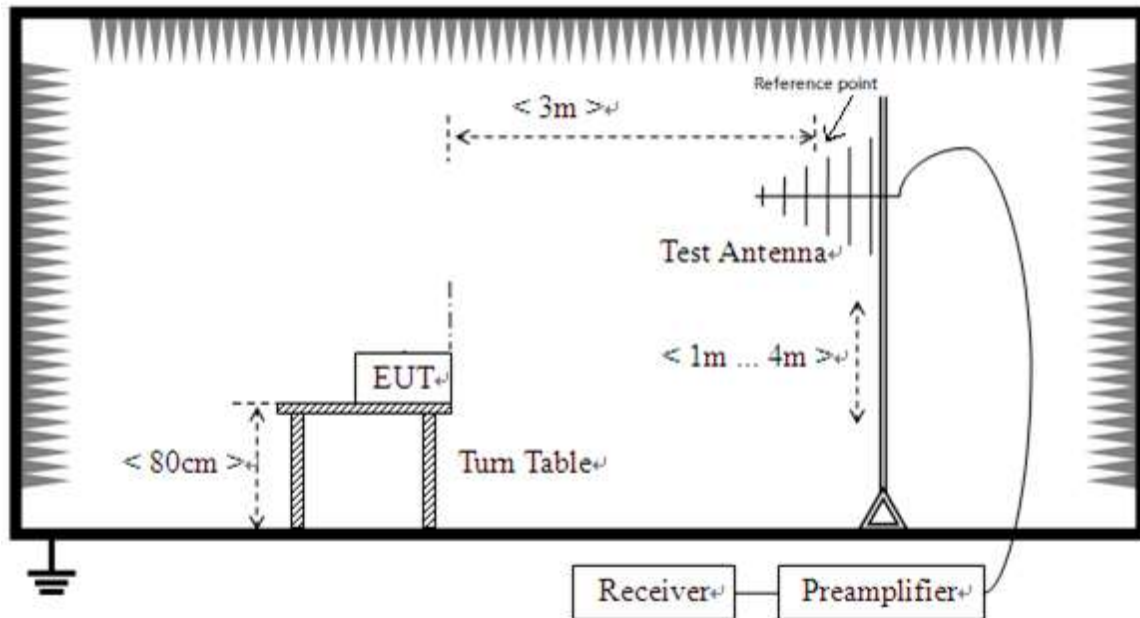
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Charging Test Mode</u> EUT + Battery + Adapter + USB Cable
Mode 2	<u>The AUX Test Mode</u> EUT + Battery + Mobile Phone + AUX Cable

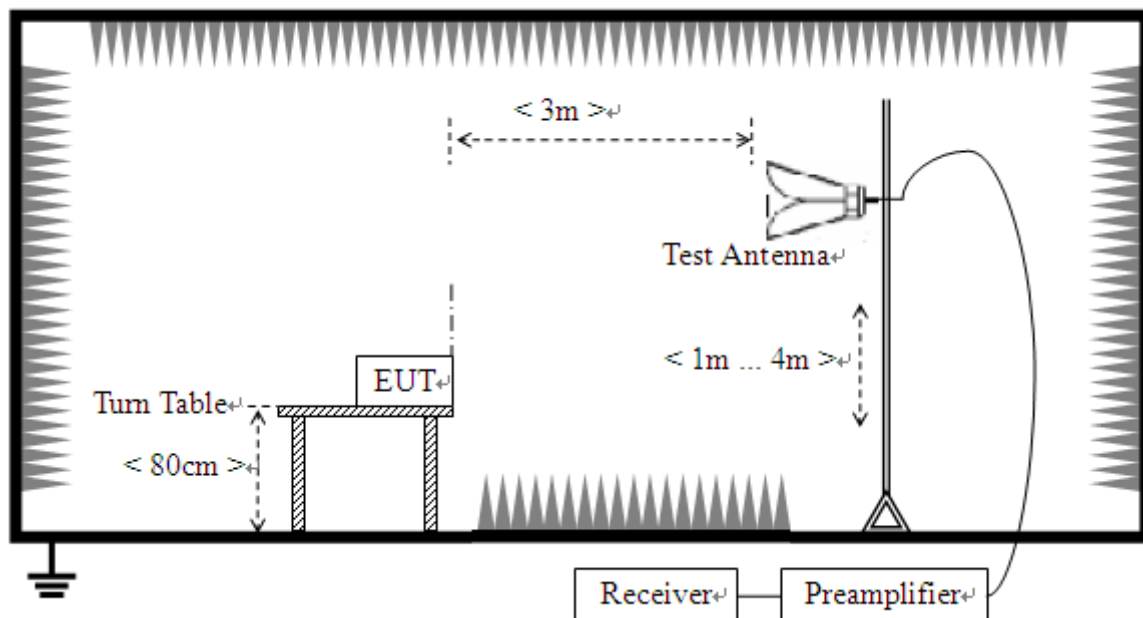
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 2	1
Conducted Emission, AC Ports	Mode 1	1
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

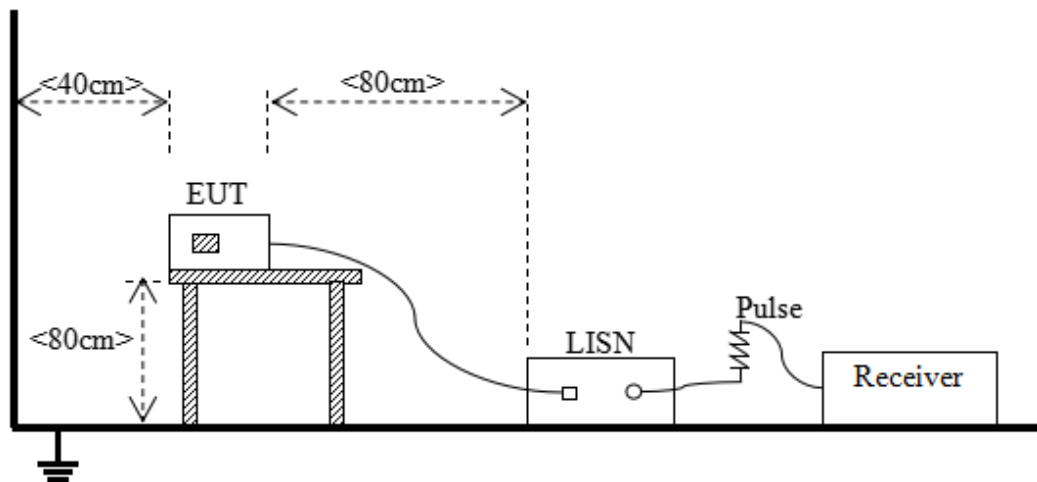
Test Setup 1



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
$108 \text{ MHz} \leq F_X \leq 500$ MHz	2GHz
$500 \text{ MHz} \leq F_X \leq 1$ 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

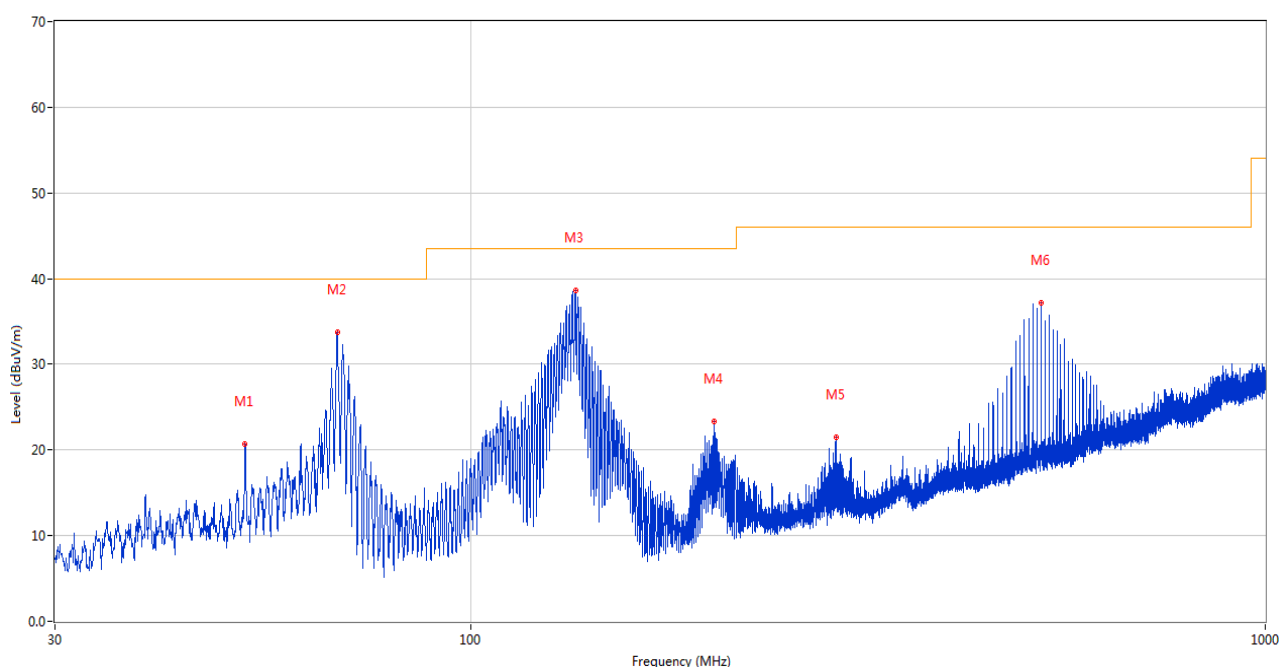
A.1 Radiated Emission

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.

Sample No.	S29	Temperature	24.6℃
Humidity	60%RH	Pressure	101kPa
Test Engineer	Li Jianping	Test Date	2025.06.07-2025.06.17

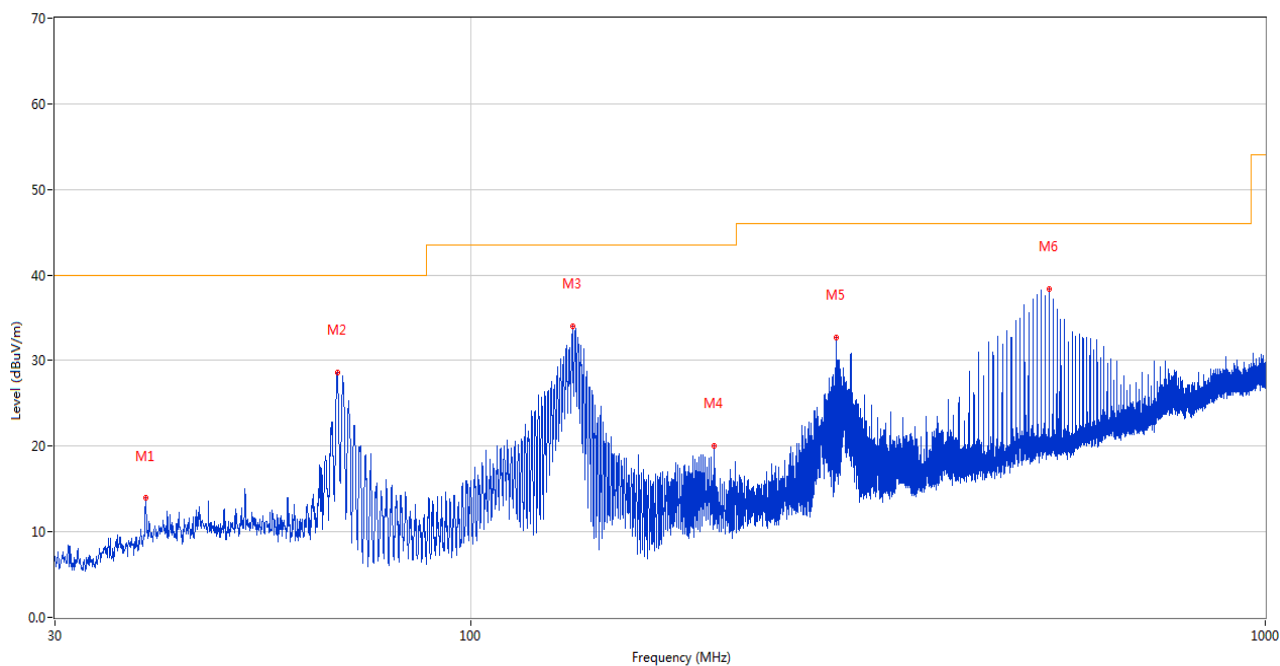
Test Mode 2

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



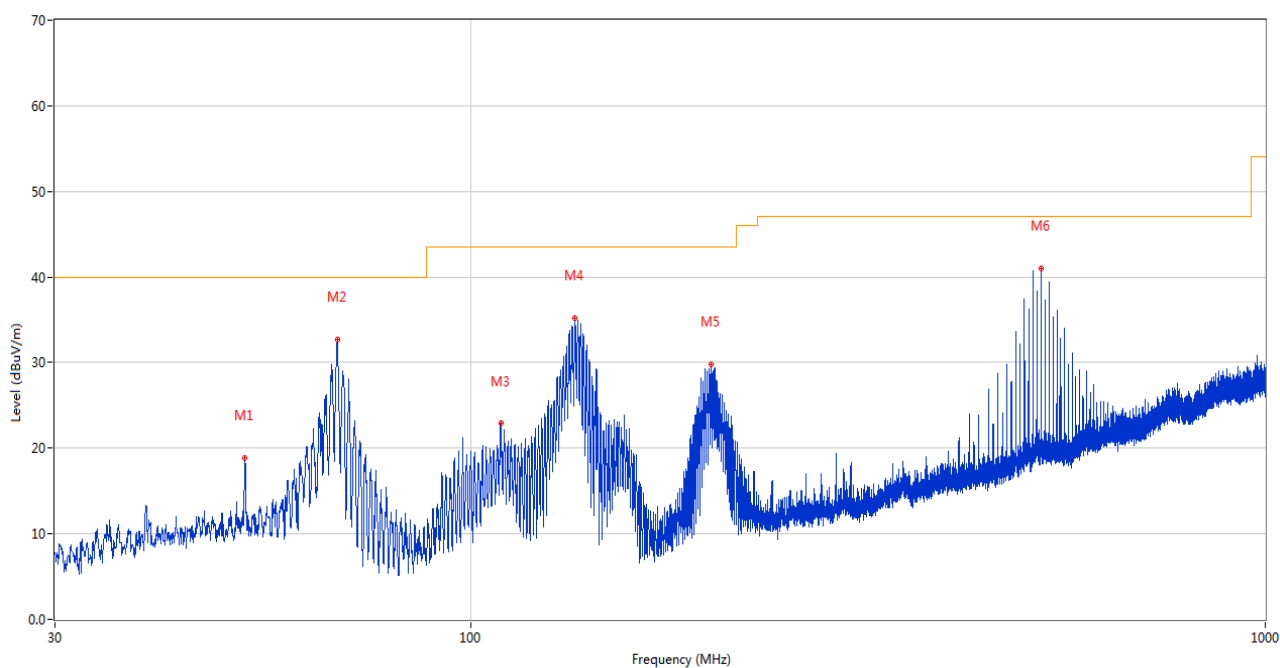
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.019	20.67	-24.76	40.0	19.33	Peak	269.90	100	Vertical	Pass
2	67.976	33.73	-28.36	40.0	6.27	Peak	254.50	100	Vertical	Pass
3	135.488	38.56	-29.66	43.5	4.94	Peak	47.40	100	Vertical	Pass
4	202.757	23.32	-26.09	43.5	20.18	Peak	108.80	100	Vertical	Pass
5	288.747	21.51	-23.13	46.0	24.49	Peak	131.90	100	Vertical	Pass
6	522.275	37.21	-17.67	46.0	8.79	Peak	237.00	100	Vertical	Pass

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



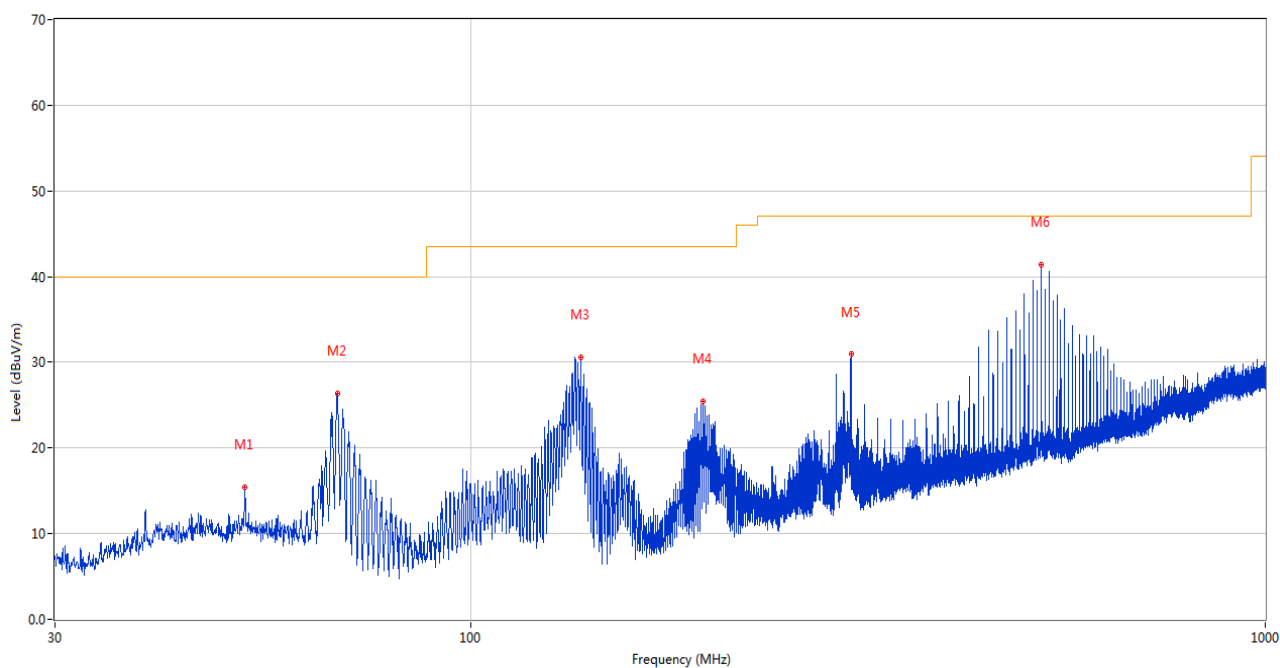
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	39.021	13.92	-26.05	40.0	26.08	Peak	170.10	200	Horizontal	Pass
2	67.976	28.63	-28.36	40.0	11.37	Peak	158.60	200	Horizontal	Pass
3	134.324	33.97	-29.66	43.5	9.53	Peak	272.80	200	Horizontal	Pass
4	202.757	20.00	-26.09	43.5	23.50	Peak	101.30	100	Horizontal	Pass
5	288.747	32.64	-23.13	46.0	13.36	Peak	91.50	100	Horizontal	Pass
6	534.545	38.36	-17.35	46.0	7.64	Peak	93.20	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	52.019	18.85	-24.76	40.0	21.15	Peak	296.50	100	Vertical	Pass
2	67.976	32.75	-28.36	40.0	7.25	Peak	276.60	100	Vertical	Pass
3	109.152	22.87	-26.78	43.5	20.63	Peak	278.60	100	Vertical	Pass
4	135.245	35.16	-29.65	43.5	8.34	Peak	96.50	100	Vertical	Pass
5	200.526	29.82	-25.74	43.5	13.68	Peak	168.20	100	Vertical	Pass
6	522.275	40.98	-17.67	47.0	6.02	Peak	224.70	100	Vertical	Pass

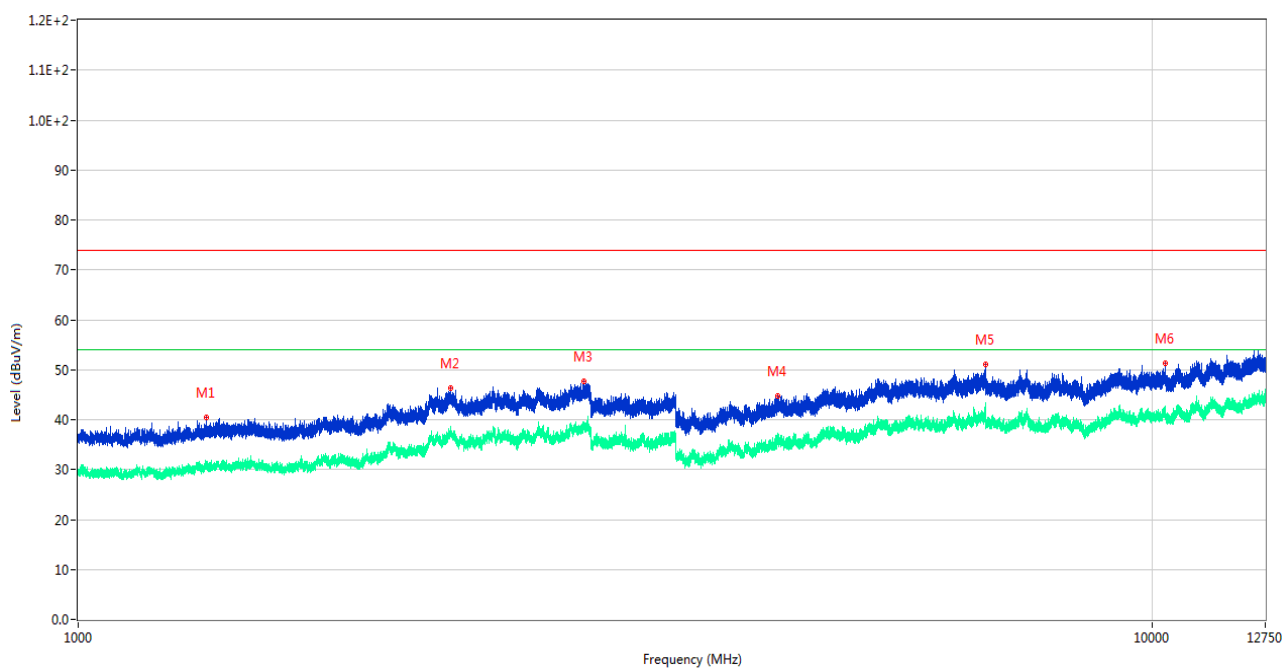
4) Test Antenna Horizontal, 30 MHz – 1 GHz (IC)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.971	15.44	-24.76	40.0	24.56	Peak	189.90	100	Horizontal	Pass
2	67.976	26.43	-28.36	40.0	13.57	Peak	180.40	200	Horizontal	Pass
3	137.622	30.57	-29.82	43.5	12.93	Peak	266.30	200	Horizontal	Pass
4	196.064	25.43	-25.68	43.5	18.07	Peak	99.70	100	Horizontal	Pass
5	301.066	30.92	-23.17	47.0	16.08	Peak	93.90	100	Horizontal	Pass
6	522.226	41.40	-17.67	47.0	5.60	Peak	111.40	200	Horizontal	Pass

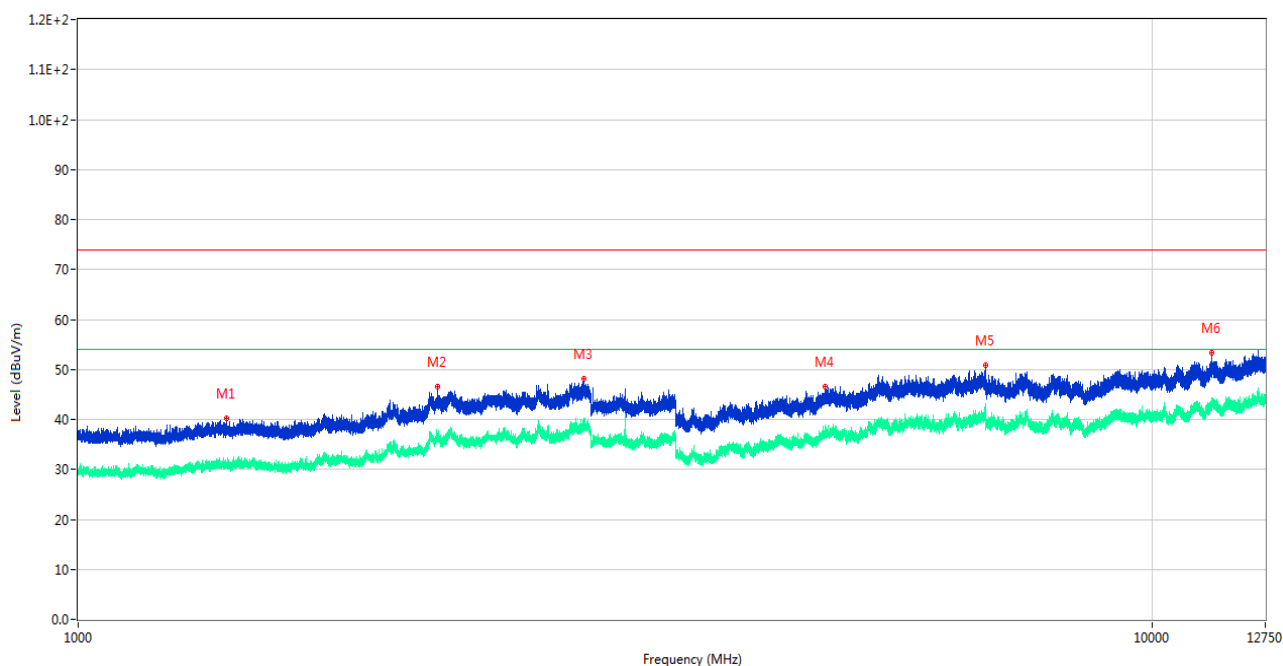
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2024.08.01	2025.07.31	☒
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2017119082	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9163	9163-624	2024.07.06	2027.07.05	☒
Anechoic Chamber (#4)	ChangNing	9m*6m*6m	101	2023.03.04	2026.03.03	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

5) Test Antenna Vertical, 1 GHz – 12.75 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1315.300	40.35	-15.35	74.0	33.65	Peak	182.60	100	Vertical	Pass
1**	1315.300	31.63	-15.35	54.0	22.37	AV	182.60	100	Vertical	Pass
2	2221.900	46.30	-8.24	74.0	27.70	Peak	0.40	100	Vertical	Pass
2**	2221.900	37.61	-8.24	54.0	16.39	AV	0.40	100	Vertical	Pass
3	2960.200	47.75	-5.57	74.0	26.25	Peak	3.70	100	Vertical	Pass
3**	2960.200	38.34	-5.57	54.0	15.66	AV	3.70	100	Vertical	Pass
4	4479.200	44.82	-4.39	74.0	29.18	Peak	220.50	100	Vertical	Pass
4**	4479.200	35.91	-4.39	54.0	18.09	AV	220.50	100	Vertical	Pass
5	6993.200	51.06	0.17	74.0	22.94	Peak	69.20	100	Vertical	Pass
5**	6993.200	41.32	0.17	54.0	12.68	AV	69.20	100	Vertical	Pass
6	10286.701	51.38	19.41	74.0	22.62	Peak	146.70	100	Vertical	Pass
6**	10286.701	41.92	19.41	54.0	12.08	AV	146.70	100	Vertical	Pass

6) Test Antenna Horizontal, 1 GHz – 12.75 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1373.900	40.22	-15.45	74.0	33.78	Peak	228.10	100	Horizontal	Pass
1**	1373.900	30.69	-15.45	54.0	23.31	AV	228.10	100	Horizontal	Pass
2	2161.900	46.48	-9.56	74.0	27.52	Peak	14.80	100	Horizontal	Pass
2**	2161.900	36.00	-9.56	54.0	18.00	AV	14.80	100	Horizontal	Pass
3	2959.800	48.22	-5.57	74.0	25.78	Peak	228.10	100	Horizontal	Pass
3**	2959.800	38.53	-5.57	54.0	15.47	AV	228.10	100	Horizontal	Pass
4	4965.400	46.62	-3.83	74.0	27.38	Peak	277.10	100	Horizontal	Pass
4**	4965.400	37.05	-3.83	54.0	16.95	AV	277.10	100	Horizontal	Pass
5	6997.200	50.81	0.42	74.0	23.19	Peak	337.20	100	Horizontal	Pass
5**	6997.200	42.39	0.42	54.0	11.61	AV	337.20	100	Horizontal	Pass
6	11360.513	53.24	21.37	74.0	20.76	Peak	283.70	100	Horizontal	Pass
6**	11360.513	43.56	21.37	54.0	10.44	AV	283.70	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2024.08.01	2025.07.31	☒
Amplifier (1-12GHz)	COM-MV	DLNAB-1000- 12000-002	18080279	2024.11.28	2025.11.27	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	619201336	2024.11.28	2025.11.27	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	01917	2025.05.20	2028.05.19	☒
Anechoic Chamber (#4)	ChangNing	9m*6m*6m	101	2023.03.04	2026.03.03	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

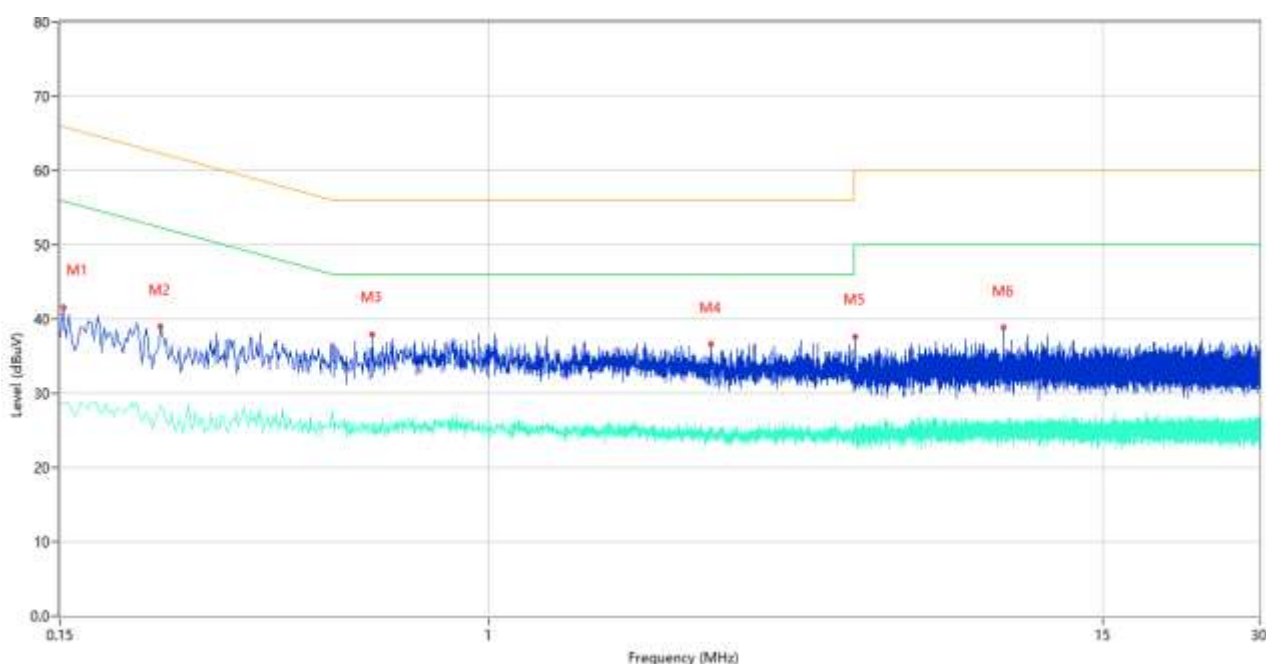
A.2 Conducted Emission, AC Ports

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 (240 VAC, 60 Hz) shown here.

Sample No.	S29	Temperature	20.3℃
Humidity	58%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2025.06.19

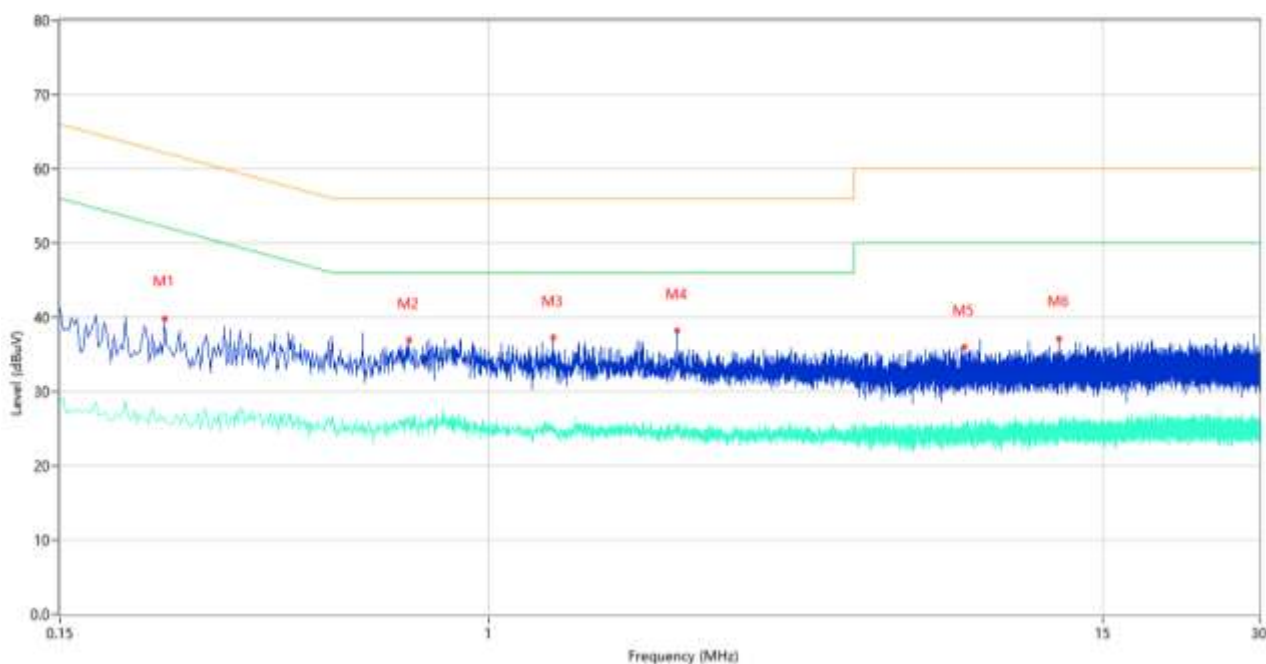
Test Mode 1

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	41.60	9.86	65.89	24.29	Peak	L	Pass
1**	0.152	28.62	9.86	55.89	27.27	AV	L	Pass
2	0.234	39.03	9.83	62.31	23.28	Peak	L	Pass
2**	0.234	28.45	9.83	52.31	23.86	AV	L	Pass
3	0.596	38.00	10.21	56.00	18.00	Peak	L	Pass
3**	0.596	25.65	10.21	46.00	20.35	AV	L	Pass
4	2.662	36.59	10.21	56.00	19.41	Peak	L	Pass
4**	2.662	24.42	10.21	46.00	21.58	AV	L	Pass
5	5.032	37.70	10.41	60.00	22.30	Peak	L	Pass
5**	5.032	24.23	10.41	50.00	25.77	AV	L	Pass
6	9.704	38.87	10.56	60.00	21.13	Peak	L	Pass
6**	9.704	24.71	10.56	50.00	25.29	AV	L	Pass

2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.238	39.86	9.83	62.17	22.31	Peak	N	Pass
1**	0.238	26.51	9.83	52.17	25.66	AV	N	Pass
2	0.700	36.93	10.71	56.00	19.07	Peak	N	Pass
2**	0.700	25.53	10.71	46.00	20.47	AV	N	Pass
3	1.324	37.26	10.32	56.00	18.74	Peak	N	Pass
3**	1.324	25.15	10.32	46.00	20.85	AV	N	Pass
4	2.292	38.23	10.37	56.00	17.77	Peak	N	Pass
4**	2.292	25.48	10.37	46.00	20.52	AV	N	Pass
5	8.152	35.98	10.32	60.00	24.02	Peak	N	Pass
5**	8.152	23.87	10.32	50.00	26.13	AV	N	Pass
6	12.384	37.20	10.88	60.00	22.80	Peak	N	Pass
6**	12.384	24.86	10.88	50.00	25.14	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	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28	☒
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2551124-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2551124-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2551124-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--