

TEST REPORT

Applicant: MEIZU TECHNOLOGY CO., LTD.
Address: MEIZU Tech Bldg, Technology & Innovation Coast,
Zhuhai, 519085, Guangdong, China
Equipment Type: Mobile Phone
Model Name: M512H
Brand Name: MEIZU
FCC ID: 2ANQ6-M512H
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Feb. 28, 2025
Test Date: Mar. 03, 2025 - Mar. 04, 2025
Date of Issue: Apr. 16, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Li JunFeng**Checked by:** Liu Zhenxiang**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 16, 2025</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 certification body is American Association for Laboratory Accreditation (A2LA).

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.2 Manufacturer Information

Manufacturer	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	M512H
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0
Software Version	Android 15
Dimensions (Approx.)	170.75mm*77.5mm*8.5mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BA511H
	Serial No.	N/A
	Capacity	Rated: 5000mAh/19.2Wh Typical: 5070mAh/19.47 Wh
	Rated Voltage	3.84 V
	Limit Charge Voltage	4.45 V
	Manufacturer	Tianjin Lishen Juyuan New Energy Technology Co., Ltd.
Ancillary Equipment 2	Adapter 1	
	Brand Name	N/A
	Model No.	ES166D-EU-1200150 (EU Plug)
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.6A

	Rated Output	5.0V $\Rightarrow$ 3.0A 15.0W Or 9.0V $\Rightarrow$ 2.0A 18.0W Or 12.0V $\Rightarrow$ 1.5A 18.0W
	Manufacturer	SHENZHEN EAST SUN ELECTRONIC CO.,LTD
Ancillary Equipment 3	Adapter 2	
	Brand Name	N/A
	Model No.	ES166D-US-1200150 (US Plug)
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.6A
	Rated Output	5.0V $\Rightarrow$ 3.0A 15.0W Or 9.0V $\Rightarrow$ 2.0A 18.0W Or 12.0V $\Rightarrow$ 1.5A 18.0W
	Manufacturer	SHENZHEN EAST SUN ELECTRONIC CO.,LTD
Ancillary Equipment 4	Adapter 3	
	Brand Name	N/A
	Model No.	ES166D-UK-1200150 (UK Plug)
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.6A
	Rated Output	5.0V $\Rightarrow$ 3.0A 15.0W Or 9.0V $\Rightarrow$ 2.0A 18.0W Or 12.0V $\Rightarrow$ 1.5A 18.0W
	Manufacturer	SHENZHEN EAST SUN ELECTRONIC CO.,LTD
Ancillary Equipment 5	USB Cable	
	Model No.	X85
	Length (Approx.)	1.0 m
	Manufacturer	HeYuan Hengyue Communication Technology Co.,LTD
Note 1: Letter in () means plug type.		
Note 2: All adapters are tested, only the worst data of ES166D-US-1200150 (US Plug) shown in this report.		

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/18/19/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GPS, GLONASS, BDS, Galileo, NFC
Classification of equipment	Class B

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	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	Test Verdict	Remark
1	Radiated Emission	15.109	Pass	--
2	Conducted Emission, AC Ports	15.107	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
Laptop	Lenovo	ThinkPad E495	N/A	N/A	N/A	☒
Data connector	UGREEN	40702	N/A	N/A	N/A	☒
USB disk	Sandisk	DTMC3G2	N/A	N/A	64G	☒
Type-C Headset	OPPO	MH156	N/A	1.12m	N/A	☒
Headset	OPPO	N/A	N/A	1.12m	N/A	☒
TF Card	Samsung	MB-MD256KA	N/A	N/A	256G	☒

4.2 Test Configurations

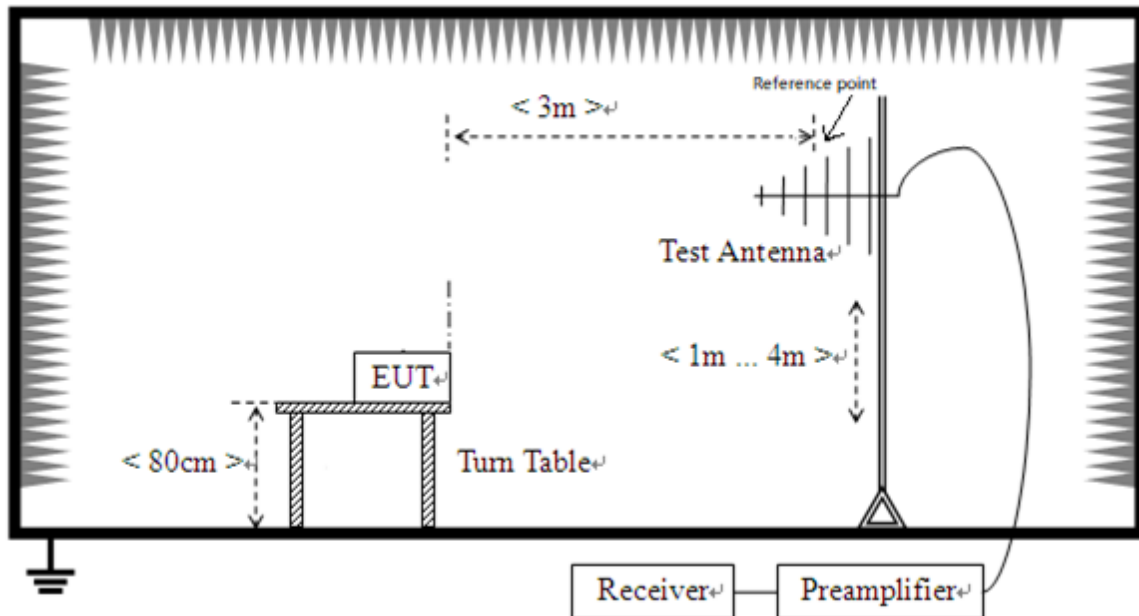
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset + TF Card
Mode 2	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset + TF Card
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset + TF Card
Mode 4	<u>The Charging Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset + TF Card
Mode 5	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Headset + Laptop + TF Card
Mode 6	<u>The OTG Test Mode</u> EUT + Battery + Headset + Data connector + USB Disk + TF Card
Mode 7	<u>The Type-C Headset Test Mode</u> EUT + Type-C Headset + Battery + TF Card

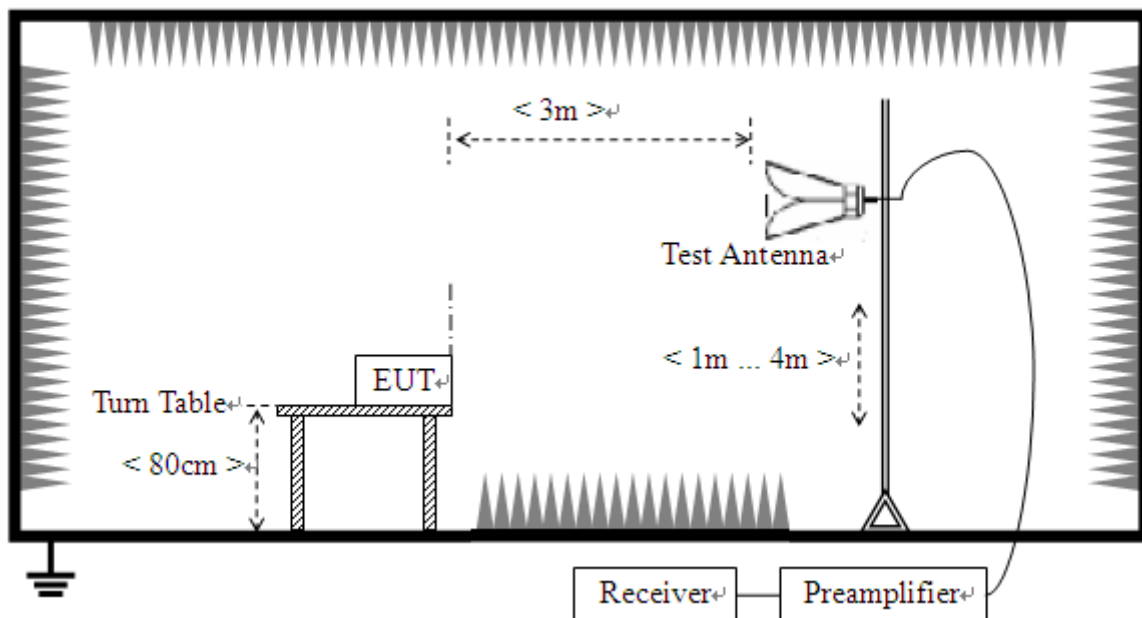
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 7	4, 5
Conducted Emission, AC Ports	Mode 1~Mode 5	2, 5
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

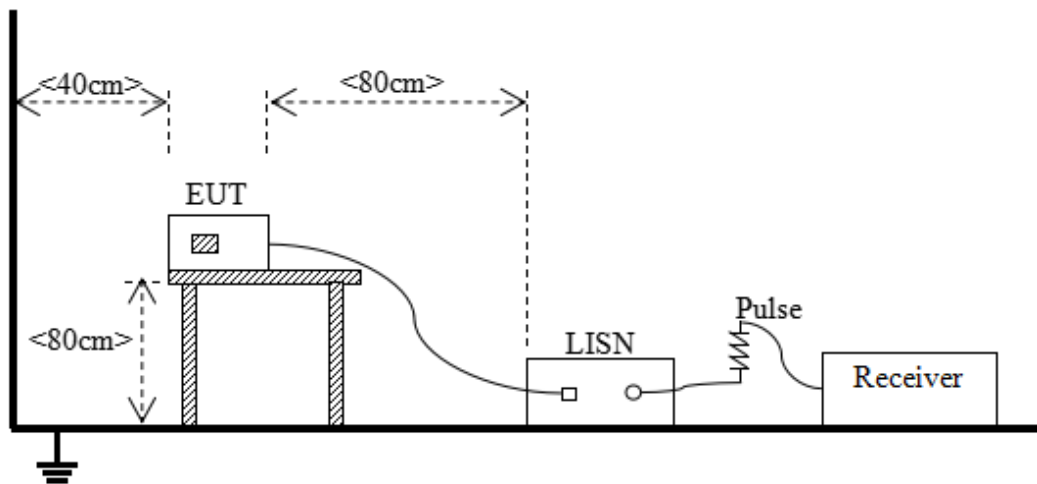
Test Setup 1



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

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 $\mu\text{V/m}$) = $20 \times \log [\text{Field Strength } (\mu\text{V/m})]$.
- 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:
 $L_{3m} = L_{10m} + 20 \times \log(d_{10m}/d_{3m})$
 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: $L_{3m} = 49.5 + 20 \times \log(10/3) = 60$ (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
$F_X \geq 1 \text{ GHz}$	$5 * F_X$ 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.	

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

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 $f \geq 1 \text{ GHz}$, 100 kHz for $f < 1 \text{ GHz}$

VBW $\geq$ RBW

Sweep = auto

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

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.

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 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 (dB μ V) = Reading (dB μ V) + 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: The symbol of "--" in the table which means not application.

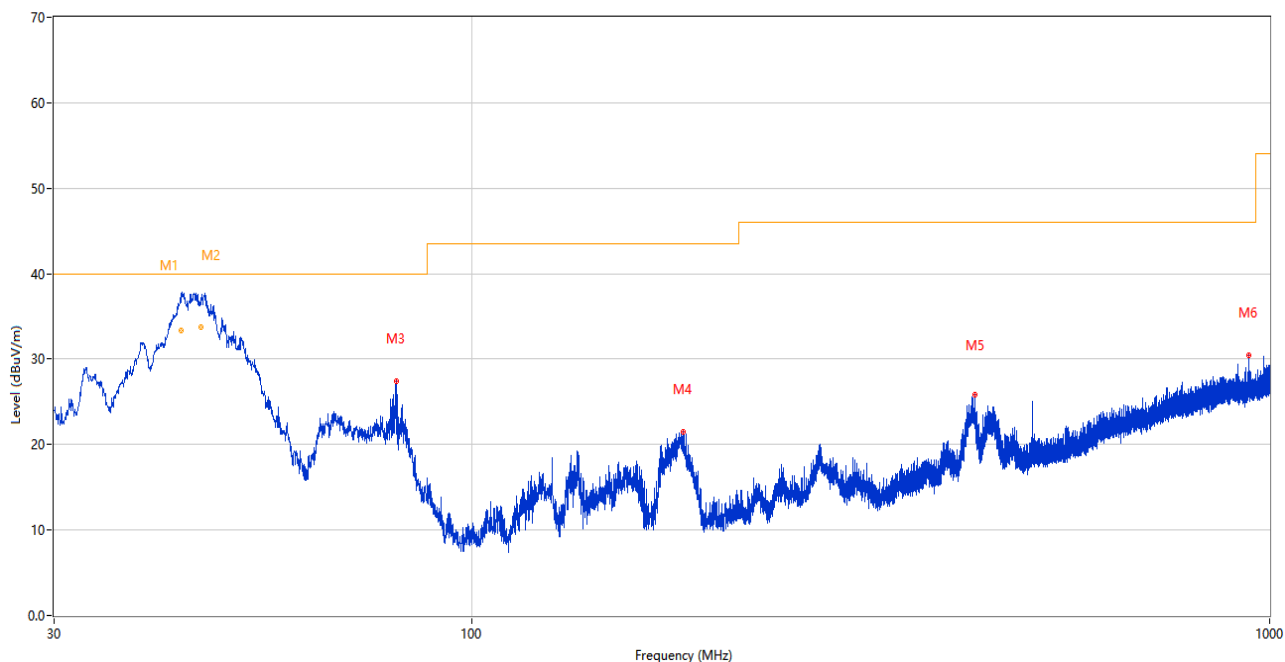
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: 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.	S07	Temperature	22.2℃
Humidity	44%RH	Pressure	101kPa
Test Engineer	He Shichang	Test Date	2025.03.04

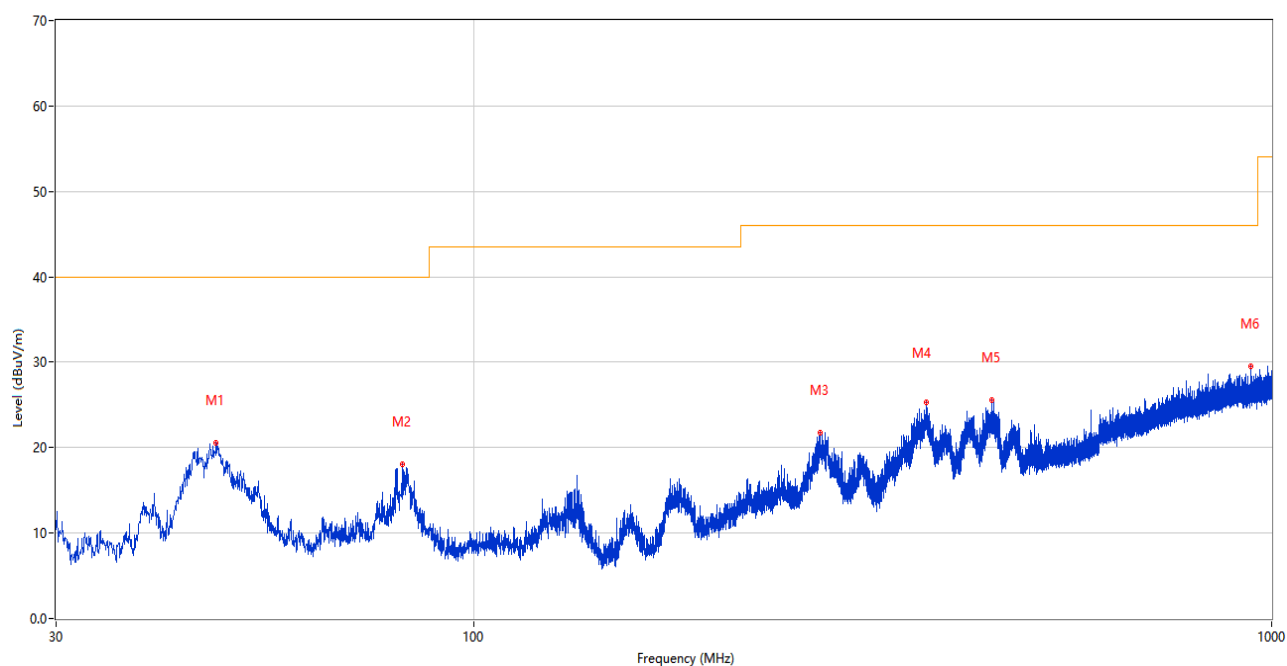
Test Mode 4

1) Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.260	37.09	-25.28	40.0	2.91	Peak	174.00	111	Vertical	N/A
1*	43.260	33.37	-25.28	40.0	6.63	QP	174.00	111	Vertical	Pass
2	45.875	37.54	-26.10	40.0	2.46	Peak	262.00	101	Vertical	N/A
2*	45.875	33.72	-26.10	40.0	6.28	QP	262.00	101	Vertical	Pass
3	80.489	27.47	-30.91	40.0	12.53	Peak	38.00	100	Vertical	Pass
4	184.230	21.51	-27.78	43.5	21.99	Peak	323.00	100	Vertical	Pass
5	427.118	25.87	-20.26	46.0	20.13	Peak	38.00	100	Vertical	Pass
6	942.479	30.40	-9.33	46.0	15.60	Peak	177.00	200	Vertical	Pass

2) Test Antenna Horizontal, 30 MHz – 1 GHz

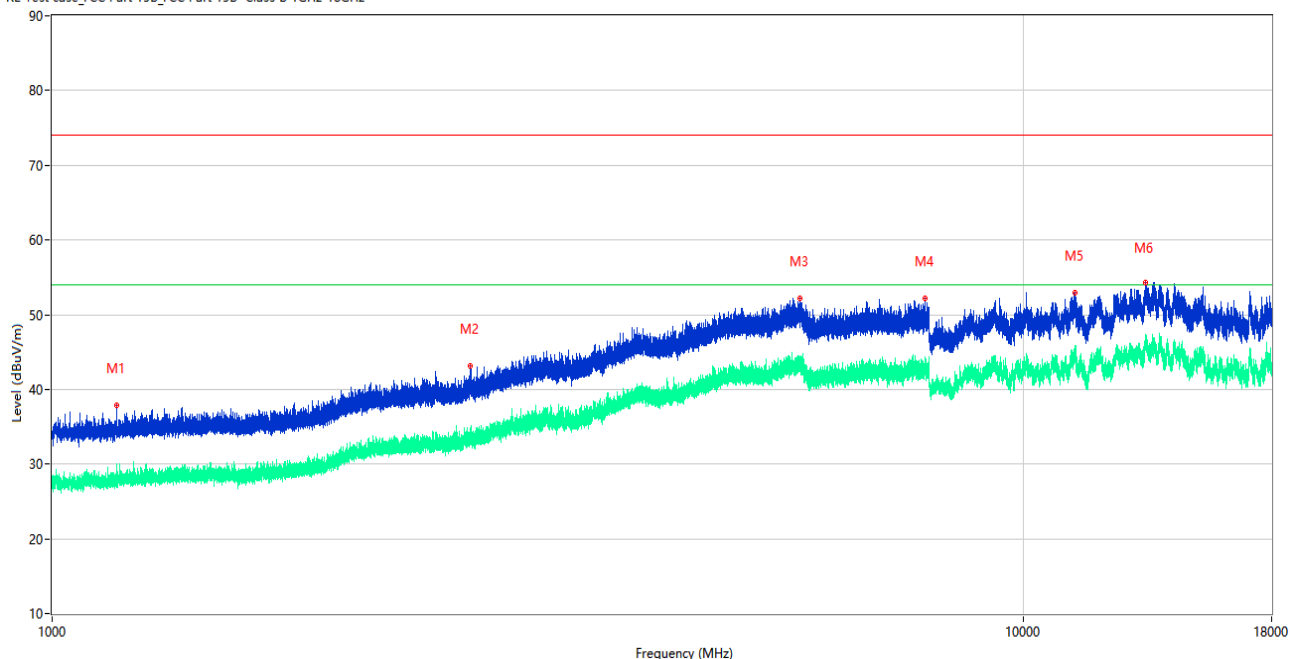


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.605	20.57	-25.14	40.0	19.43	Peak	28.00	100	Horizontal	Pass
2	81.507	18.09	-30.68	40.0	21.91	Peak	149.00	200	Horizontal	Pass
3	271.772	21.77	-24.50	46.0	24.23	Peak	346.00	100	Horizontal	Pass
4	369.258	25.28	-21.84	46.0	20.72	Peak	56.00	100	Horizontal	Pass
5	446.664	25.55	-20.06	46.0	20.45	Peak	217.00	100	Horizontal	Pass
6	942.673	29.59	-9.34	46.0	16.41	Peak	111.00	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	2024.11.28	2025.11.27	☒
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	/		☒

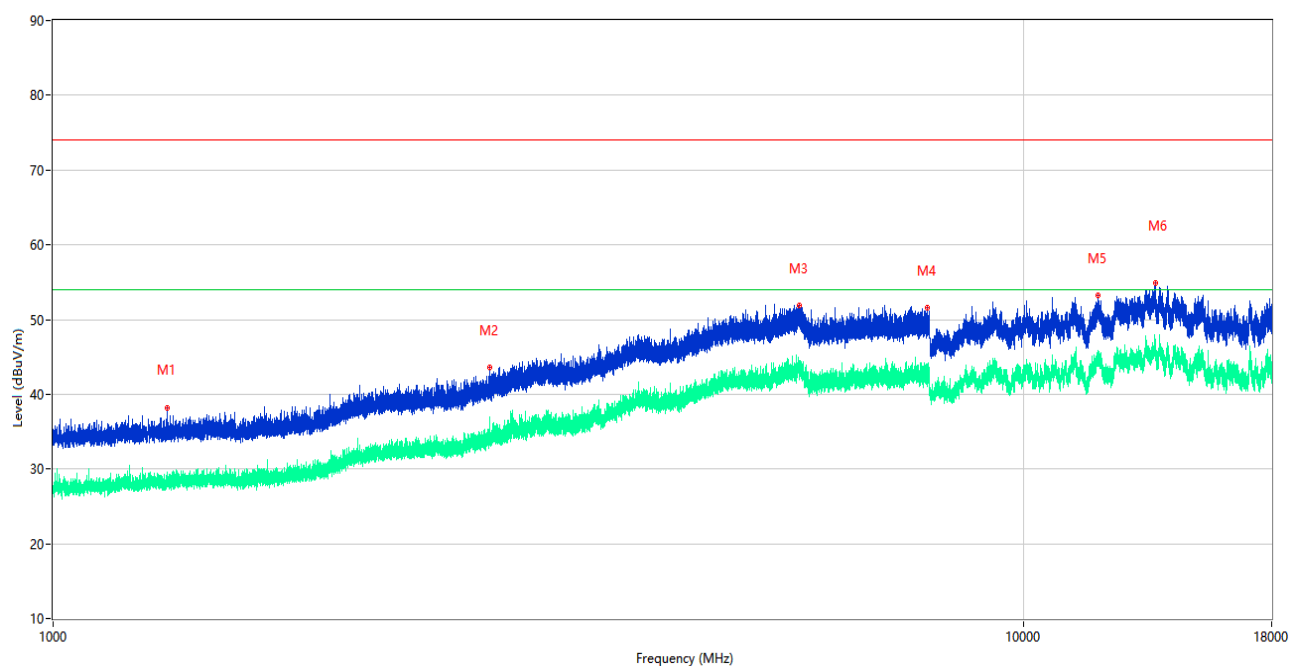
3) Test Antenna Vertical, 1 GHz – 18 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



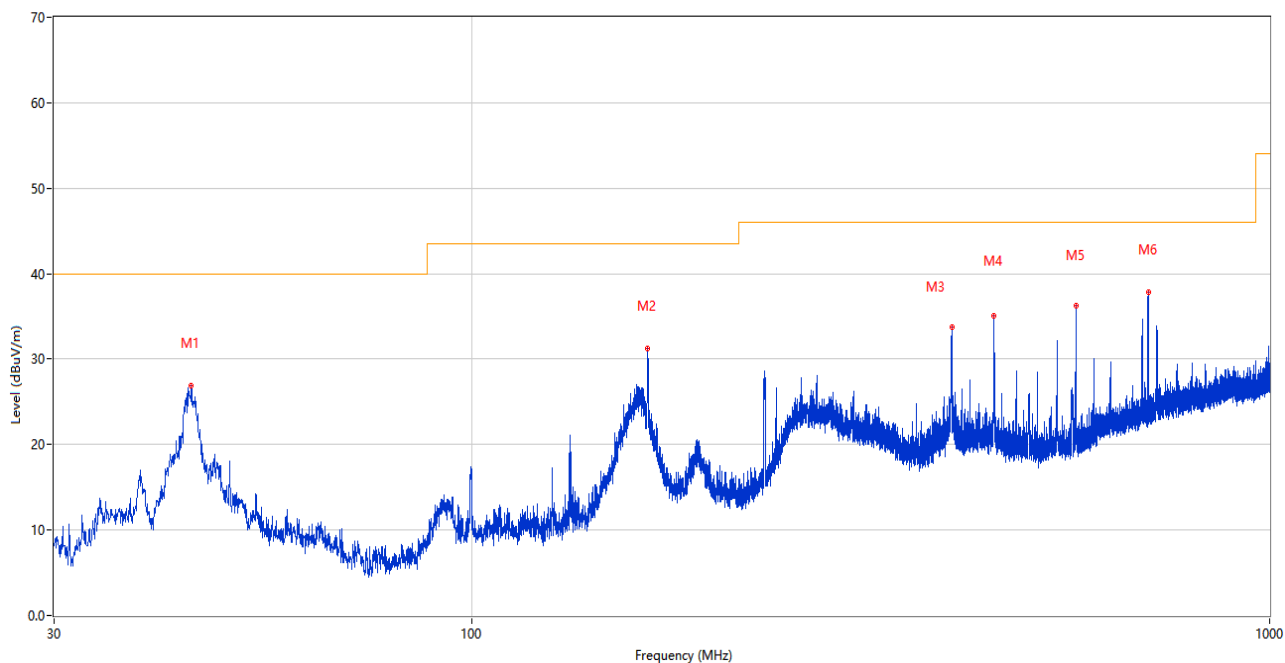
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.100	37.92	-15.71	74.0	36.08	Peak	291.00	100	Vertical	Pass
1**	1165.100	28.01	-15.71	54.0	25.99	AV	291.00	100	Vertical	Pass
2	2692.990	43.16	-8.86	74.0	30.84	Peak	355.00	100	Vertical	Pass
2**	2692.990	33.97	-8.86	54.0	20.03	AV	355.00	100	Vertical	Pass
3	5888.000	52.17	2.24	74.0	21.83	Peak	287.00	100	Vertical	Pass
3**	5888.000	42.54	2.24	54.0	11.46	AV	287.00	100	Vertical	Pass
4	7915.960	52.18	0.66	74.0	21.82	Peak	12.00	100	Vertical	Pass
4**	7915.960	42.37	0.66	54.0	11.63	AV	12.00	100	Vertical	Pass
5	11296.000	52.93	2.35	74.0	21.07	Peak	110.00	100	Vertical	Pass
5**	11296.000	44.21	2.35	54.0	9.79	AV	110.00	100	Vertical	Pass
6	13361.000	54.36	5.16	74.0	19.64	Peak	43.00	100	Vertical	Pass
6**	13361.000	45.51	5.16	54.0	8.49	AV	43.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz



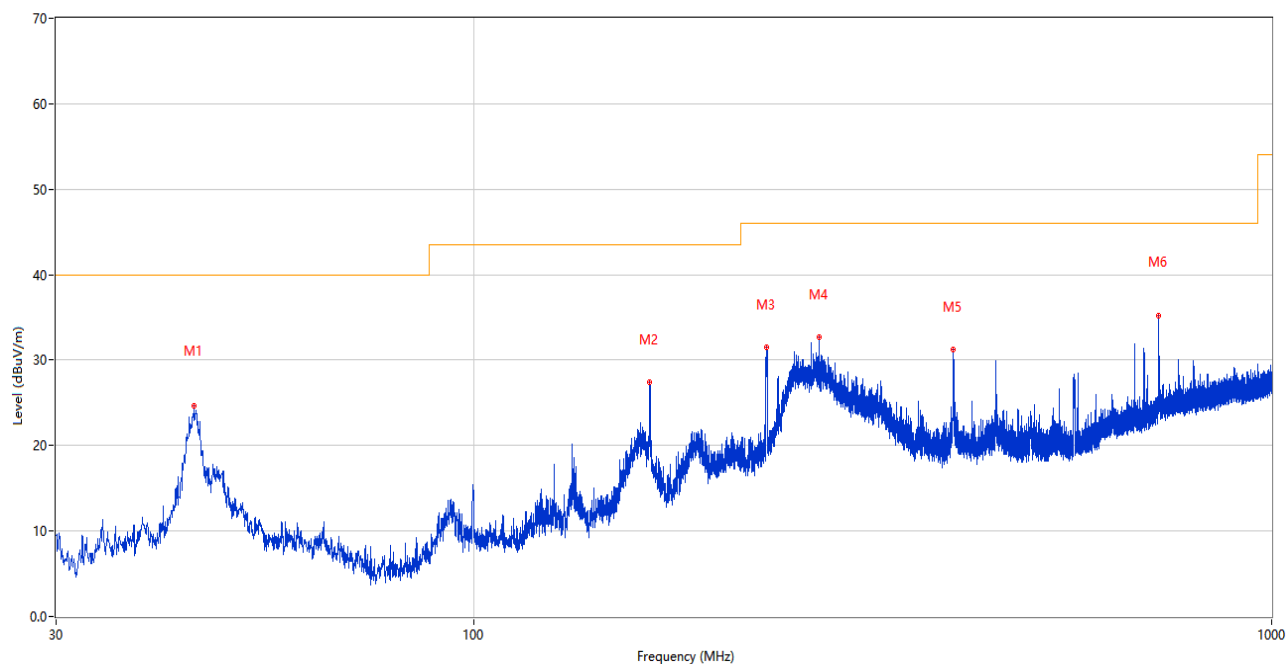
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1311.220	38.22	-15.41	74.0	35.78	Peak	129.00	100	Horizontal	Pass
1**	1311.220	28.94	-15.41	54.0	25.06	AV	129.00	100	Horizontal	Pass
2	2817.140	43.61	-8.52	74.0	30.39	Peak	0.00	100	Horizontal	Pass
2**	2817.140	33.49	-8.52	54.0	20.51	AV	0.00	100	Horizontal	Pass
3	5867.760	51.86	2.33	74.0	22.14	Peak	144.00	100	Horizontal	Pass
3**	5867.760	43.54	2.33	54.0	10.46	AV	144.00	100	Horizontal	Pass
4	7952.480	51.61	0.77	74.0	22.39	Peak	244.00	100	Horizontal	Pass
4**	7952.480	42.09	0.77	54.0	11.91	AV	244.00	100	Horizontal	Pass
5	11917.000	53.26	2.41	74.0	20.74	Peak	236.00	100	Horizontal	Pass
5**	11917.000	44.18	2.41	54.0	9.82	AV	236.00	100	Horizontal	Pass
6	13656.001	54.84	4.95	74.0	19.16	Peak	212.00	100	Horizontal	Pass
6**	13656.001	45.55	4.95	54.0	8.45	AV	212.00	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	2024.11.28	2025.11.27	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2024.11.28	2025.11.27	☒
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	/		☒

Test Mode 5**5) Test Antenna Vertical, 30 MHz – 1 GHz**

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.550	26.86	-26.27	40.0	13.14	Peak	256.00	100	Vertical	Pass
2	166.139	31.27	-29.06	43.5	12.23	Peak	219.00	100	Vertical	Pass
3	399.861	33.73	-21.09	46.0	12.27	Peak	157.00	100	Vertical	Pass
4	451.271	35.11	-19.88	46.0	10.89	Peak	162.00	100	Vertical	Pass
5	572.084	36.32	-16.91	46.0	9.68	Peak	119.00	200	Vertical	Pass
6	704.295	37.80	-14.00	46.0	8.20	Peak	128.00	200	Vertical	Pass

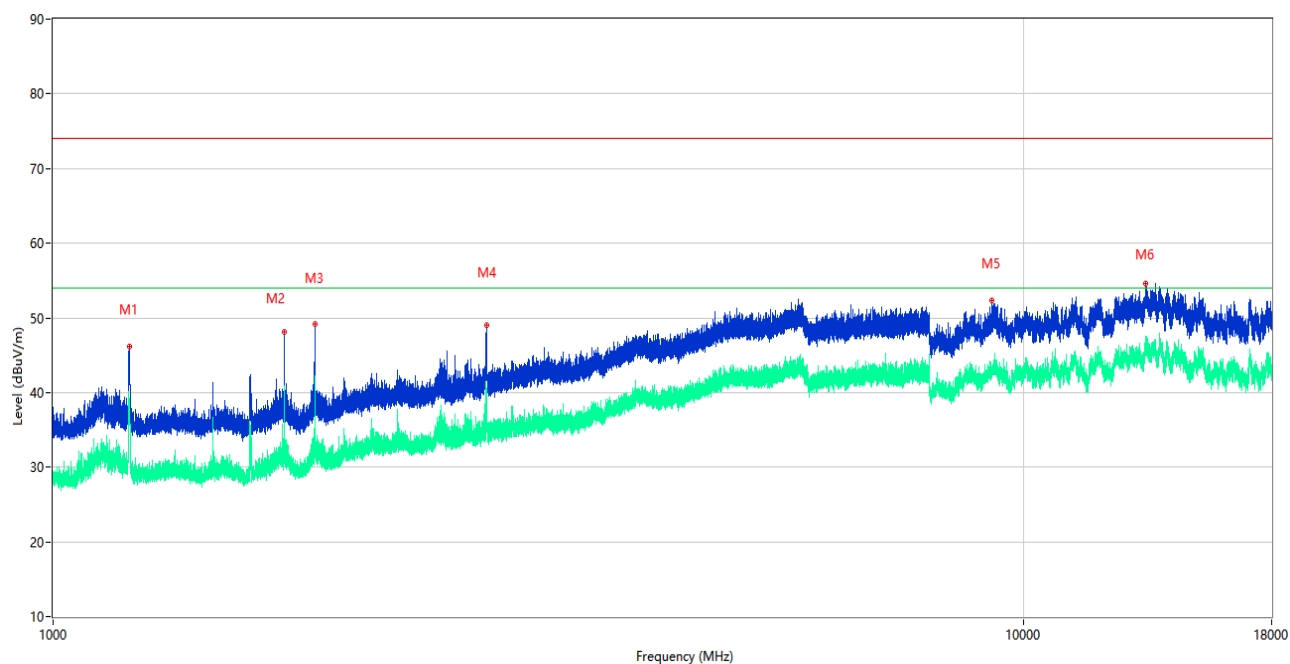
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.696	24.69	-26.21	40.0	15.31	Peak	203.00	200	Horizontal	Pass
2	166.188	27.46	-29.06	43.5	16.04	Peak	125.00	200	Horizontal	Pass
3	233.264	31.48	-25.41	46.0	14.52	Peak	248.00	100	Horizontal	Pass
4	270.754	32.68	-24.60	46.0	13.32	Peak	234.00	100	Horizontal	Pass
5	399.279	31.27	-21.11	46.0	14.73	Peak	179.00	100	Horizontal	Pass
6	721.901	35.20	-13.48	46.0	10.80	Peak	105.00	200	Horizontal	Pass

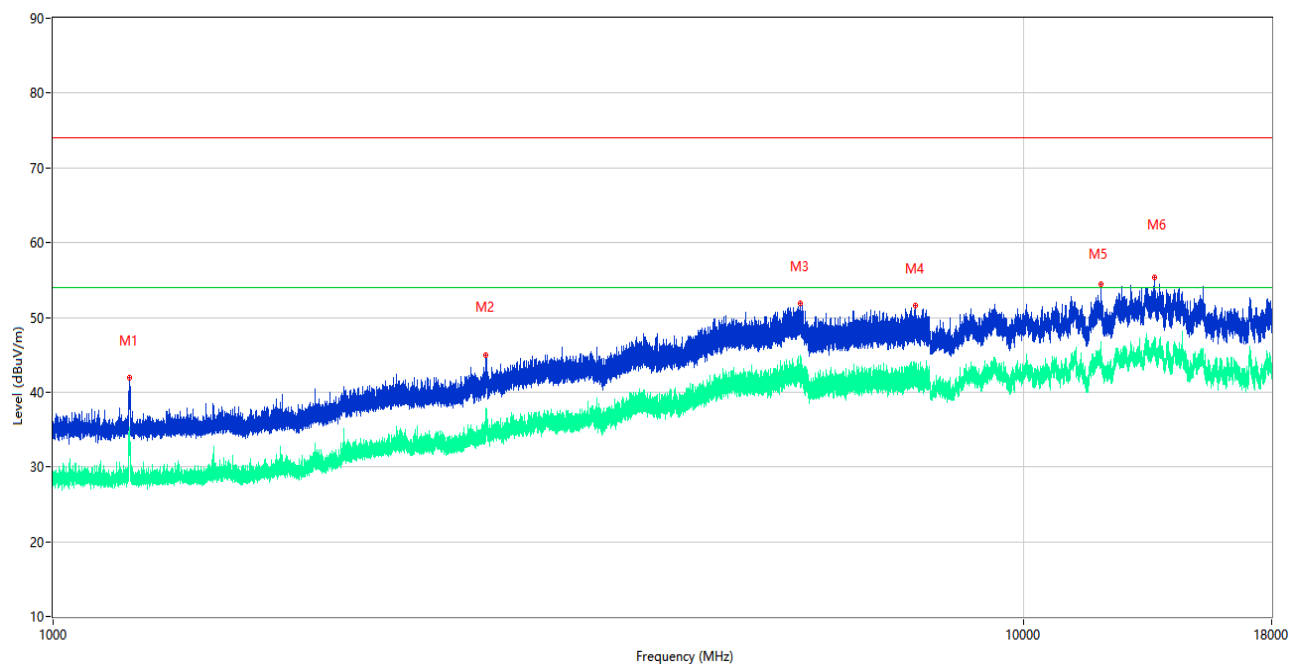
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	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	/		☒

7) 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	1197.340	46.17	-15.77	74.0	27.83	Peak	220.00	100	Vertical	Pass
1**	1197.340	37.94	-15.77	54.0	16.06	AV	220.00	100	Vertical	Pass
2	1731.510	48.05	-15.46	74.0	25.95	Peak	212.00	100	Vertical	Pass
2**	1731.510	35.03	-15.46	54.0	18.97	AV	212.00	100	Vertical	Pass
3	1859.690	49.14	-14.51	74.0	24.86	Peak	205.00	100	Vertical	Pass
3**	1859.690	33.57	-14.51	54.0	20.43	AV	205.00	100	Vertical	Pass
4	2794.130	49.07	-8.35	74.0	24.93	Peak	156.00	100	Vertical	Pass
4**	2794.130	35.39	-8.35	54.0	18.61	AV	156.00	100	Vertical	Pass
5	9265.500	52.36	1.68	74.0	21.64	Peak	299.00	100	Vertical	Pass
5**	9265.500	42.78	1.68	54.0	11.22	AV	299.00	100	Vertical	Pass
6	13346.500	54.57	5.11	74.0	19.43	Peak	67.00	100	Vertical	Pass
6**	13346.500	46.49	5.11	54.0	7.51	AV	67.00	100	Vertical	Pass

8) 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	1197.860	41.94	-15.76	74.0	32.06	Peak	132.00	100	Horizontal	Pass
1**	1197.860	32.68	-15.76	54.0	21.32	AV	132.00	100	Horizontal	Pass
2	2790.750	44.93	-8.53	74.0	29.07	Peak	125.00	100	Horizontal	Pass
2**	2790.750	37.87	-8.53	54.0	16.13	AV	125.00	100	Horizontal	Pass
3	5883.160	51.86	2.39	74.0	22.14	Peak	47.00	100	Horizontal	Pass
3**	5883.160	42.43	2.39	54.0	11.57	AV	47.00	100	Horizontal	Pass
4	7738.860	51.56	0.52	74.0	22.44	Peak	63.00	100	Horizontal	Pass
4**	7738.860	41.88	0.52	54.0	12.12	AV	63.00	100	Horizontal	Pass
5	11999.500	54.47	2.63	74.0	19.53	Peak	226.00	100	Horizontal	Pass
5**	11999.500	44.89	2.63	54.0	9.11	AV	226.00	100	Horizontal	Pass
6	13650.000	55.28	5.13	74.0	18.72	Peak	20.00	100	Horizontal	Pass
6**	13650.000	45.86	5.13	54.0	8.14	AV	20.00	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	2024.11.28	2025.11.27	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2024.11.28	2025.11.27	☒
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	/		☒

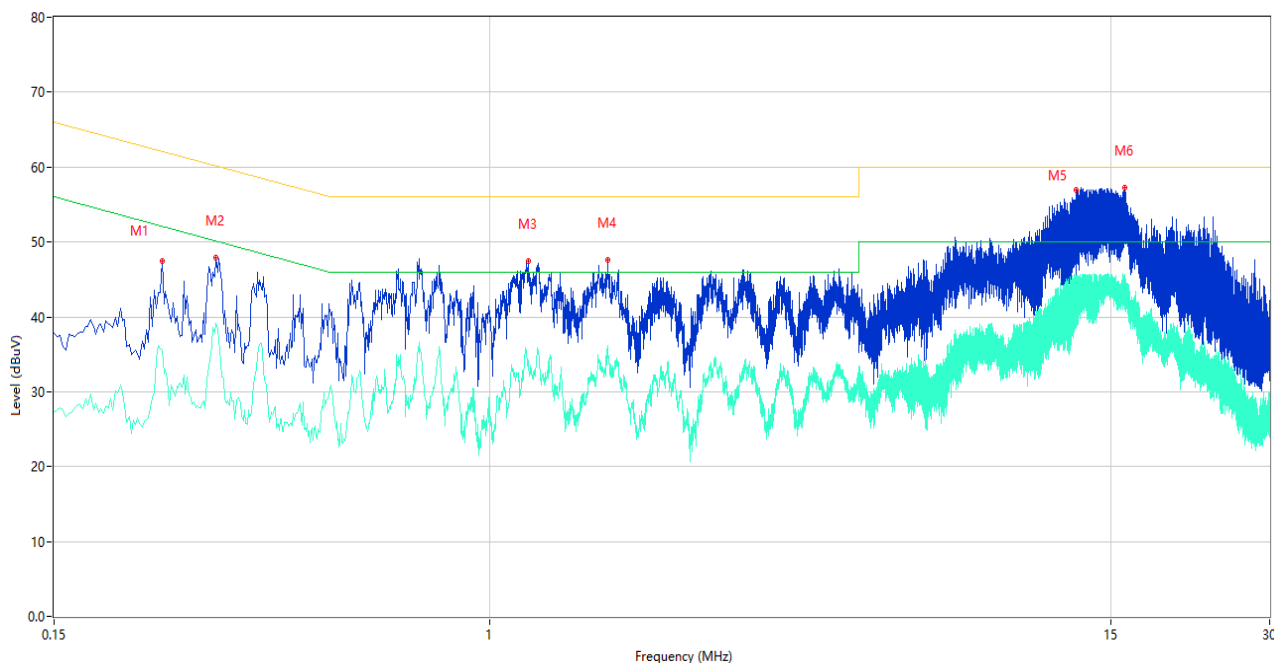
A.2 Conducted Emission, AC Ports

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 (240 VAC, 50 Hz) shown here.

Sample No.	S07	Temperature	.2℃
Humidity	44%RH	Pressure	101kPa
Test Engineer	Yangyang	Test Date	2025.03.03

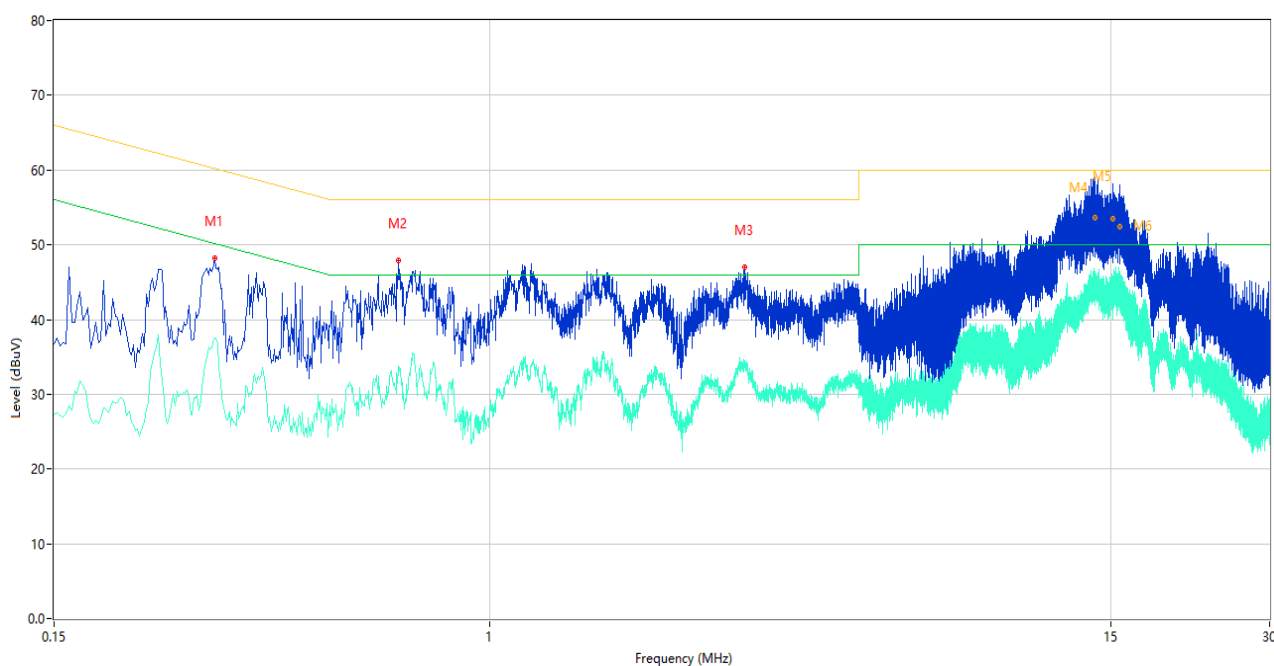
Test Mode 2

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.240	47.49	10.03	62.10	14.61	Peak	L	Pass
1**	0.240	35.54	10.03	52.10	16.56	AV	L	Pass
2	0.304	47.87	10.03	60.13	12.26	Peak	L	Pass
2**	0.304	39.12	10.03	50.13	11.01	AV	L	Pass
3	1.184	47.50	10.65	56.00	8.50	Peak	L	Pass
3**	1.184	34.25	10.65	46.00	11.75	AV	L	Pass
4	1.676	47.56	10.62	56.00	8.44	Peak	L	Pass
4**	1.676	36.18	10.62	46.00	9.82	AV	L	Pass
5	12.886	56.90	13.05	60.00	3.10	Peak	L	Pass
5**	12.886	46.26	13.05	50.00	3.74	AV	L	Pass
6	15.982	56.99	13.79	60.00	3.01	Peak	L	Pass
6**	15.982	41.75	13.79	50.00	8.25	AV	L	Pass

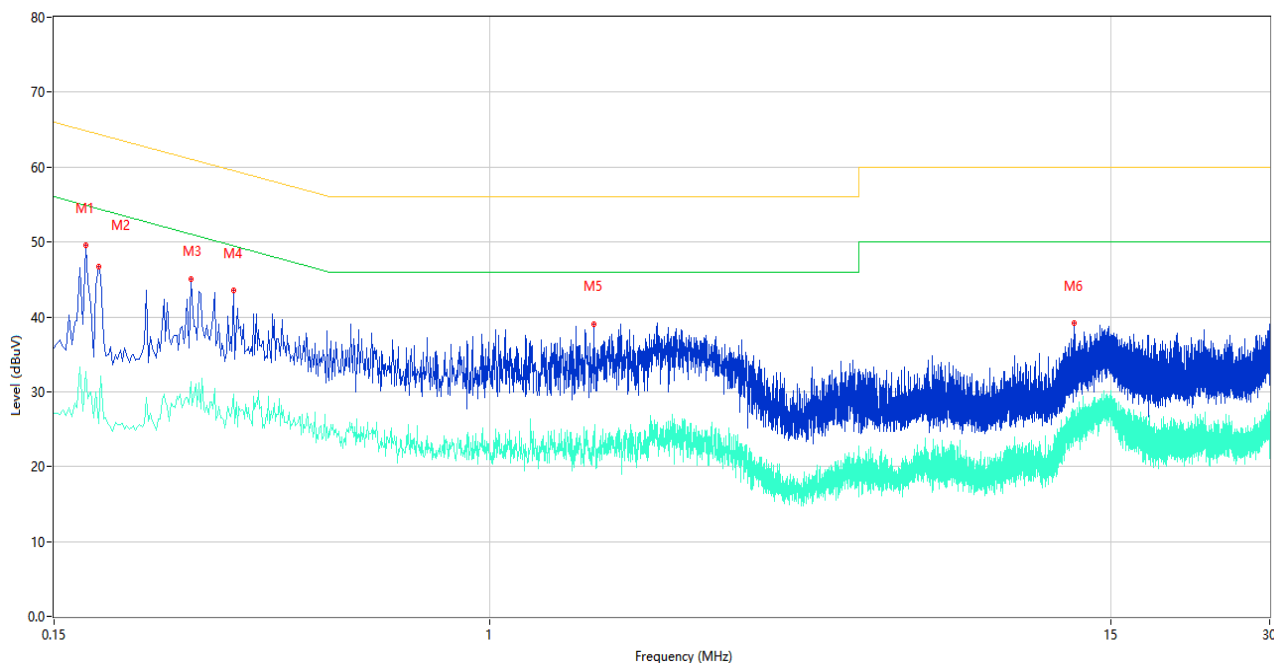
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.302	48.17	10.04	60.19	12.02	Peak	N	Pass
1**	0.302	37.48	10.04	50.19	12.71	AV	N	Pass
2	0.672	47.91	10.50	56.00	8.09	Peak	N	Pass
2**	0.672	33.71	10.50	46.00	12.29	AV	N	Pass
3	3.038	46.93	10.91	56.00	9.07	Peak	N	Pass
3**	3.038	34.32	10.91	46.00	11.68	AV	N	Pass
4	14.000	59.13	13.35	60.00	0.87	Peak	N	N/A
4*	14.000	53.71	13.35	60.00	6.29	QP	N	Pass
4**	14.000	45.88	13.35	50.00	4.12	AV	N	Pass
5	15.176	58.83	13.63	60.00	1.17	Peak	N	N/A
5*	15.176	53.44	13.63	60.00	6.56	QP	N	Pass
5**	15.176	44.71	13.63	50.00	5.29	AV	N	Pass
6	15.632	57.74	13.70	60.00	2.26	Peak	N	N/A
6*	15.632	52.43	13.70	60.00	7.57	QP	N	Pass
6**	15.632	45.60	13.70	50.00	4.40	AV	N	Pass

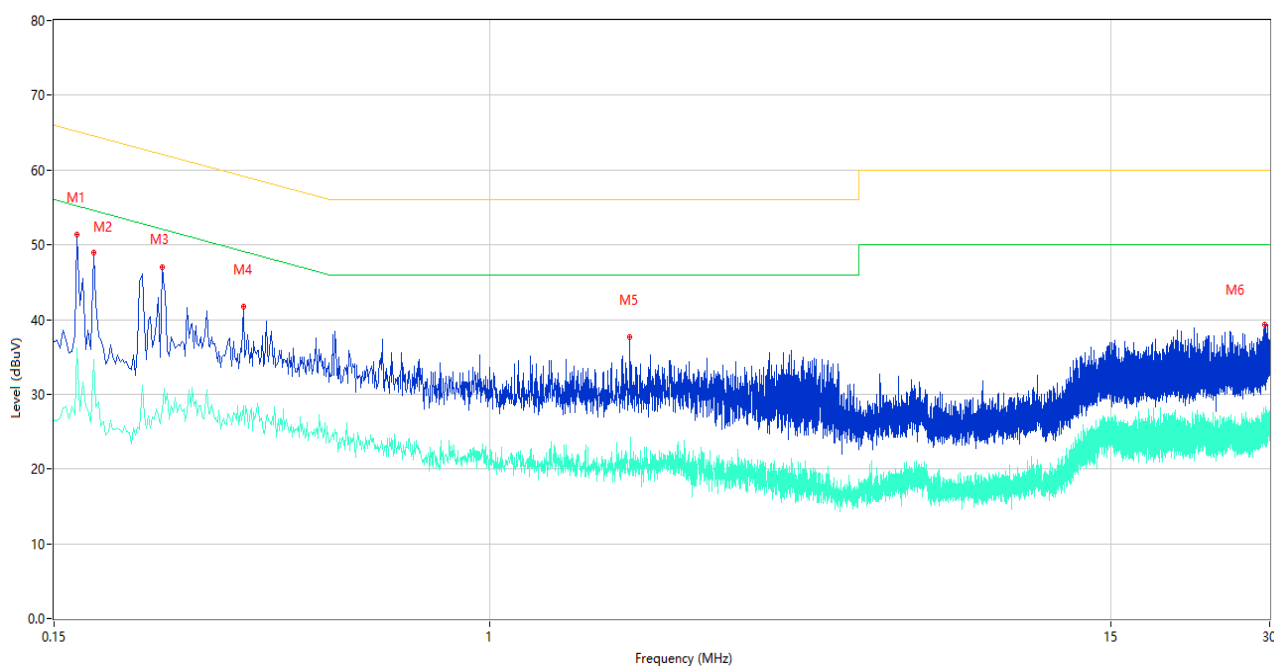
Test Mode 5

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.172	49.52	10.06	64.86	15.34	Peak	L	Pass
1**	0.172	32.75	10.06	54.86	22.11	AV	L	Pass
2	0.182	46.68	10.05	64.39	17.71	Peak	L	Pass
2**	0.182	25.83	10.05	54.39	28.56	AV	L	Pass
3	0.272	44.98	10.03	61.06	16.08	Peak	L	Pass
3**	0.272	31.34	10.03	51.06	19.72	AV	L	Pass
4	0.328	43.53	9.98	59.50	15.97	Peak	L	Pass
4**	0.328	29.72	9.98	49.50	19.78	AV	L	Pass
5	1.578	39.09	10.26	56.00	16.91	Peak	L	Pass
5**	1.578	23.23	10.26	46.00	22.77	AV	L	Pass
6	12.788	39.12	12.74	60.00	20.88	Peak	L	Pass
6**	12.788	26.63	12.74	50.00	23.37	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.166	51.32	10.08	65.16	13.84	Peak	N	Pass
1**	0.166	36.18	10.08	55.16	18.98	AV	N	Pass
2	0.178	48.95	10.06	64.58	15.63	Peak	N	Pass
2**	0.178	34.59	10.06	54.58	19.99	AV	N	Pass
3	0.240	46.96	10.03	62.10	15.14	Peak	N	Pass
3**	0.240	27.85	10.03	52.10	24.25	AV	N	Pass
4	0.342	41.72	9.96	59.15	17.43	Peak	N	Pass
4**	0.342	28.50	9.96	49.15	20.65	AV	N	Pass
5	1.844	37.61	10.35	56.00	18.39	Peak	N	Pass
5**	1.844	20.90	10.35	46.00	25.10	AV	N	Pass
6	29.304	39.36	16.88	60.00	20.64	Peak	N	Pass
6**	29.304	26.04	16.88	50.00	23.96	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	2024.11.06	2025.11.05	☐
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	2025.02.18	2026.02.17	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2520111-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520111-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2520111-AI.PDF”.

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--END OF REPORT--