

TEST REPORT

Applicant: MEIZU TECHNOLOGY CO., LTD.
Address: MEIZU Tech Bldg, Technology & Innovation Coast,
Zhuhai, 519085, Guangdong, China
Equipment Type: Mobile Phone
Model Name: M513H
Brand Name: MEIZU
FCC ID: 2ANQ6-M513H
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Feb. 24, 2025
Test Date: Feb. 26, 2025 - May. 06, 2025
Date of Issue: May 06, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Li Junfeng**Checked by:** Liu Zhenxiang**Approved by:** Tolan Tu*Li JunFeng**Liu zhen xiang**Tolan Tu*

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 18, 2025</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>May. 06, 2025</u>	<u>Update Section 2.4 and Update ANNEX A TEST RESULTS</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.

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	M513H
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	H900_MB_V1
Software Version	Android 15
Dimensions (Approx.)	165.2mm*75.5mm*8.35mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	N/A
	Model No.	BA513H
	Serial No.	N/A
	Capacitance	Rated: 5000mAh/19.25Wh Typical: 5100mAh/19.635Wh
	Rated Voltage	3.85V
	Limited Voltage	4.48V
	Manufacturer	Tianjin Lishen Juyuan New Energy Technology Co., Ltd.
Ancillary Equipment 2	Power Supply Unit 1	
	Brand Name	N/A
	Model No.	ES131E-US-1100300 (US Plug)
	Serial No.	N/A
	Rated Input	100-240V~50/60Hz 0.9A
	Rated Output	5.0V $\overline{\text{---}}$ 3.0A 15.0W 9.0V $\overline{\text{---}}$ 3.0A 27.0W

		12.0V $\overline{\text{---}}$ 2.5A 30.0W 15.0V $\overline{\text{---}}$ 2.0A 30.0W 20.0V $\overline{\text{---}}$ 1.5A 30.0W PPS:5.0-11.0V $\overline{\text{---}}$ 3.7A(40.0W MAX)
	Manufacturer	SHENZHEN EAST SUN ELECTRONIC CO., LTD.
Ancillary Equipment 3	Power Supply Unit 2	
	Brand Name	N/A
	Model No.	ES177C-UK-2000150(UK Plug)
	Serial No.	N/A
	Rated Input	100-240V~50/60Hz 0.9A
	Rated Output	5.0V $\overline{\text{---}}$ 3.0A 15.0W 9.0V $\overline{\text{---}}$ 3.0A 27.0W 12.0V $\overline{\text{---}}$ 2.5A 30.0W 15.0V $\overline{\text{---}}$ 2.0A 30.0W 20.0V $\overline{\text{---}}$ 1.5A 30.0W PPS:5.0-11.0V $\overline{\text{---}}$ 3.7A(40.7W MAX)
	Manufacturer	SHENZHEN EAST SUN ELECTRONIC CO., LTD.
Ancillary Equipment 4	Power Supply Unit 3	
	Brand Name	N/A
	Model No.	ES131E-EU-1100300 (EU Plug)
	Serial No.	N/A
	Rated Input	100-240V~50/60Hz 0.9A
	Rated Output	5.0V $\overline{\text{---}}$ 3.0A 15.0W 9.0V $\overline{\text{---}}$ 3.0A 27.0W 12.0V $\overline{\text{---}}$ 2.5A 30.0W 15.0V $\overline{\text{---}}$ 2.0A 30.0W 20.0V $\overline{\text{---}}$ 1.5A 30.0W PPS:5.0-11.0V $\overline{\text{---}}$ 3.7A(40.0W MAX)
	Manufacturer	SHENZHEN EAST SUN ELECTRONIC CO., LTD.
Ancillary Equipment 5	USB Cable	
	Model No.	N/A
	Length (Approx.)	1.0 m
Note 1: Letter in () means plug type.		
Note 2: All adapters are tested, only the worst data of ES131E-EU-1100300 (EU 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 2/4/5/7/12/13/17/18/19/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and
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	802.11ac(VHT20/40/80) GPS, GLONASS, BDS, Galileo, 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	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	☒
Laptop	HONOR	N/A	N/A	N/A	N/A	☒

4.2 Test Configurations

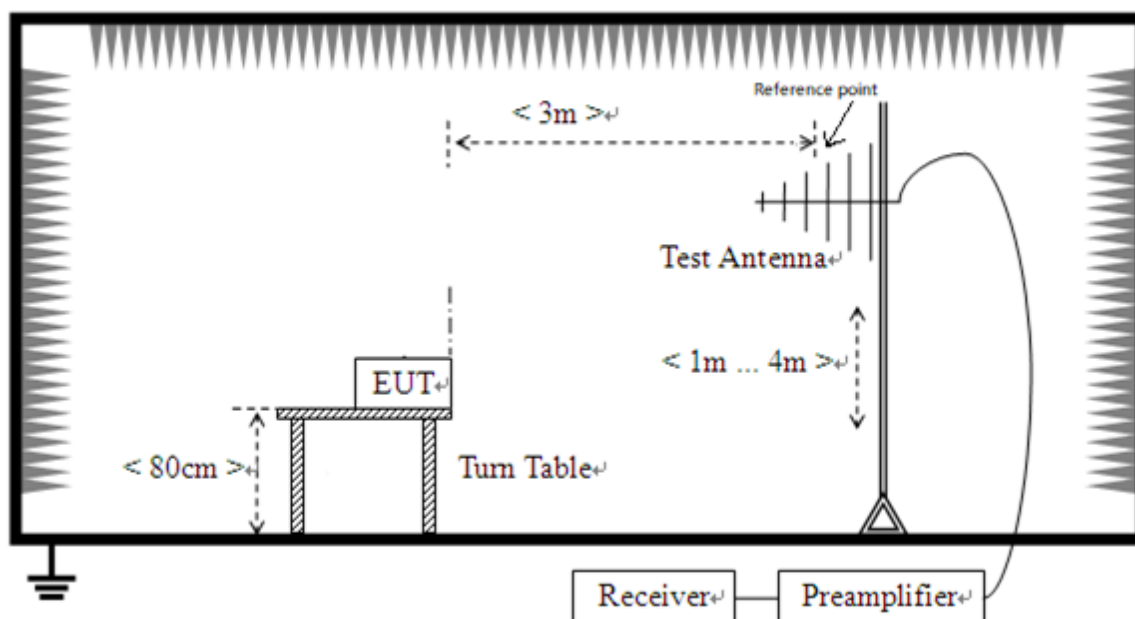
All test modes of EUT are listed in the table below.

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

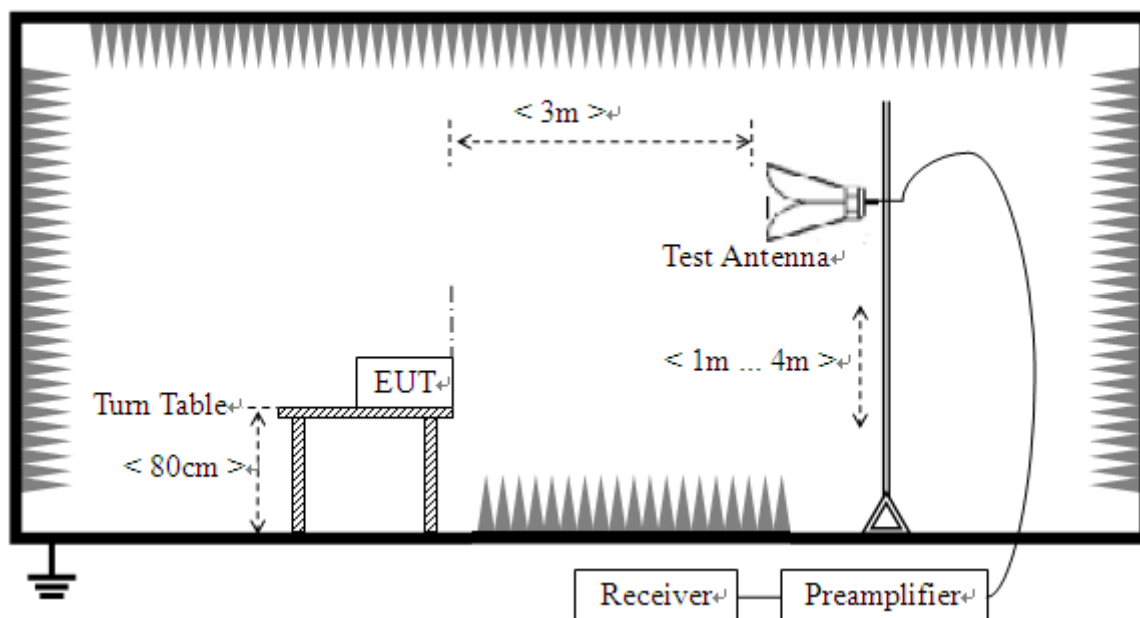
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 7	4, 5
Conducted Emission, AC Ports	Mode 1~Mode 5	4, 5
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

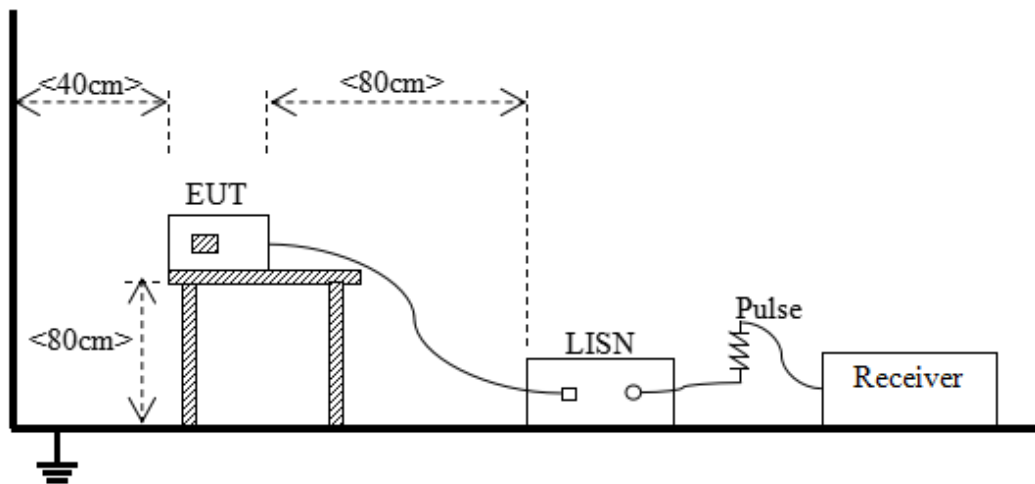
Test Setup 1



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 $\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 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
$F_X \geq 1 \text{ GHz}$	$5 * F_X$ 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.

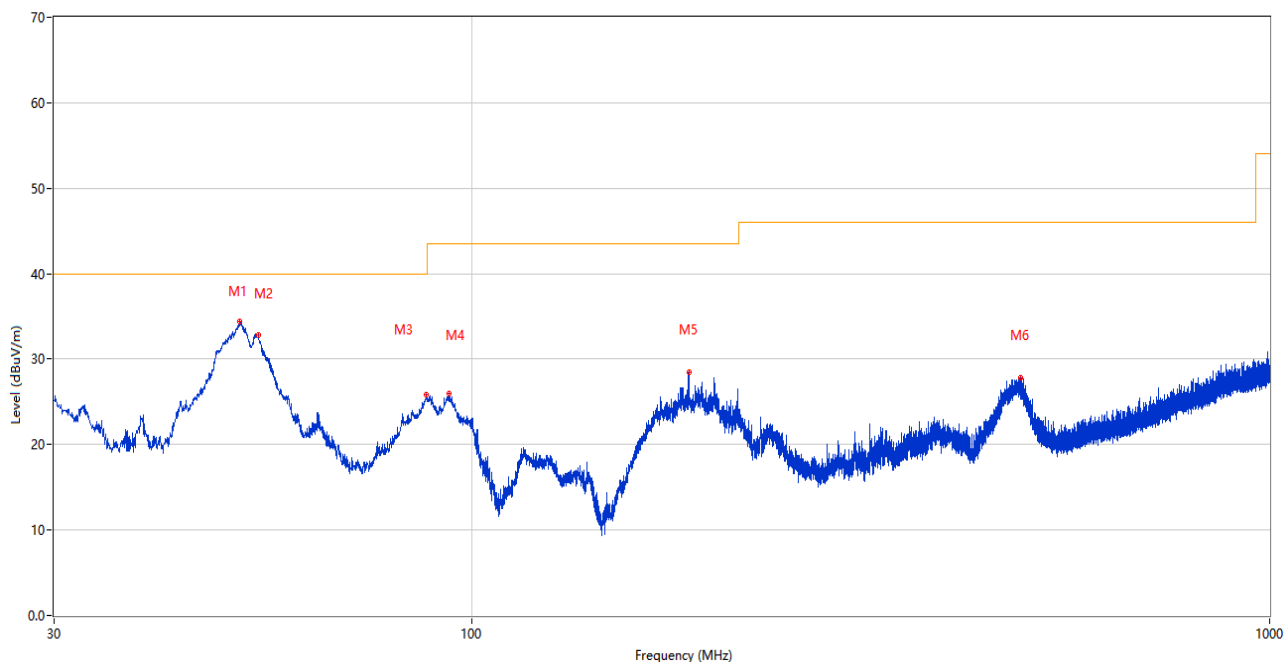
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.	S08	Temperature	20.9℃
Humidity	53%RH	Pressure	101kPa
Test Engineer	Chen Jingran	Test Date	2025.04.08

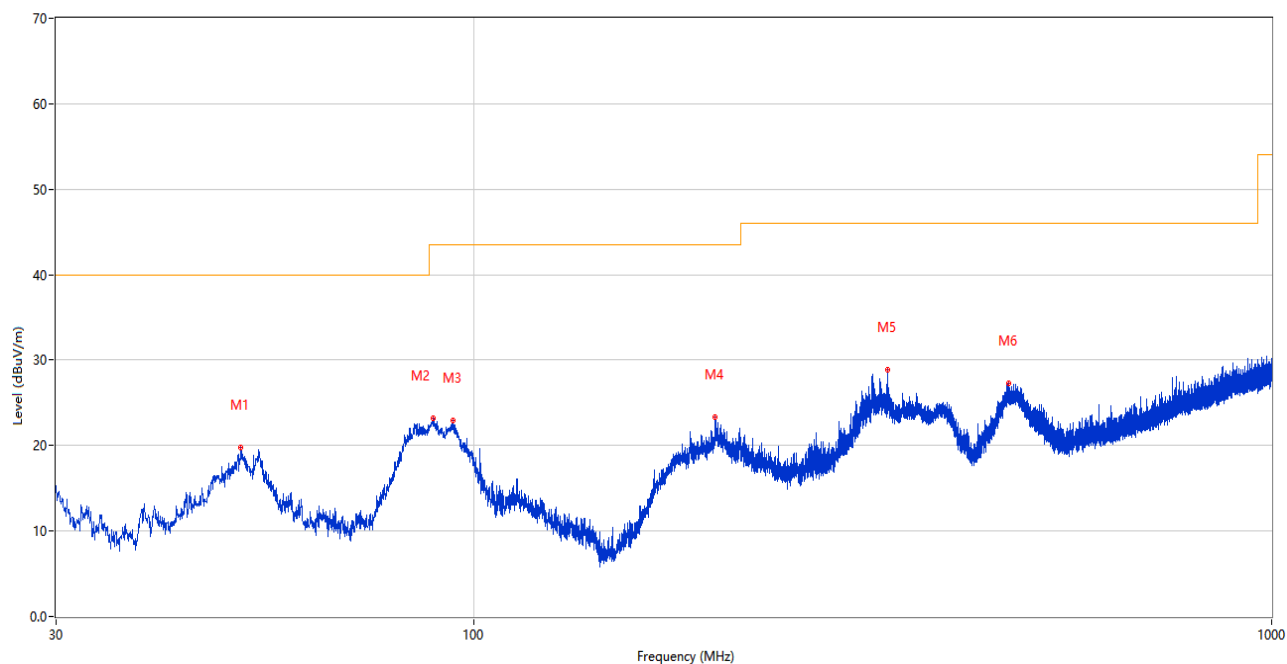
Test Mode 4

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	51.291	34.39	-24.00	40.0	5.61	Peak	198.00	100	Vertical	Pass
2	54.056	32.87	-25.48	40.0	7.13	Peak	144.00	100	Vertical	Pass
3	87.860	25.82	-29.30	40.0	14.18	Peak	136.00	100	Vertical	Pass
4	93.680	26.02	-27.55	43.5	17.48	Peak	208.00	100	Vertical	Pass
5	187.140	28.54	-27.46	43.5	14.96	Peak	136.00	100	Vertical	Pass
6	487.598	27.82	-19.07	46.0	18.18	Peak	206.00	100	Vertical	Pass

2) Test Antenna Horizontal, 30 MHz – 1 GHz

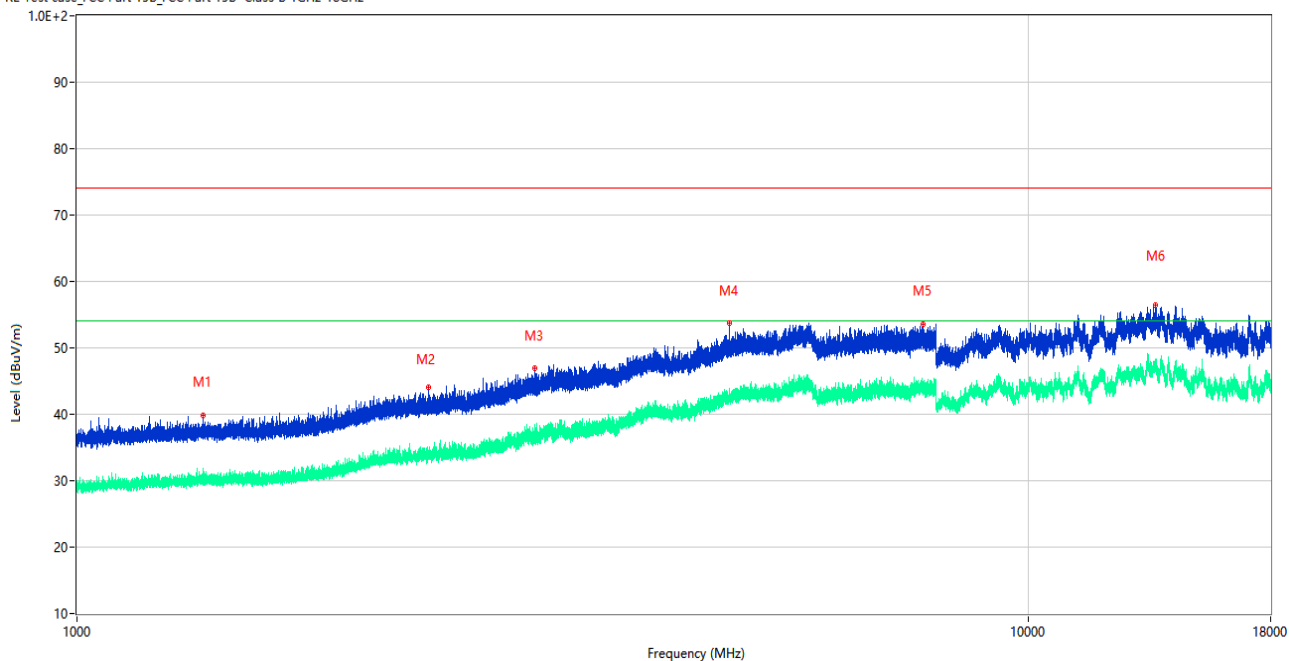


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.146	19.82	-24.26	40.0	20.18	Peak	356.00	100	Horizontal	Pass
2	89.121	23.19	-29.03	43.5	20.31	Peak	121.00	200	Horizontal	Pass
3	94.262	22.89	-27.56	43.5	20.61	Peak	170.00	200	Horizontal	Pass
4	200.817	23.32	-26.31	43.5	20.18	Peak	221.00	200	Horizontal	Pass
5	330.312	28.83	-22.75	46.0	17.17	Peak	62.00	100	Horizontal	Pass
6	468.440	27.33	-19.43	46.0	18.67	Peak	360.00	100	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	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	00883	2025.03.23	2028.03.22	☒
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	/		☒

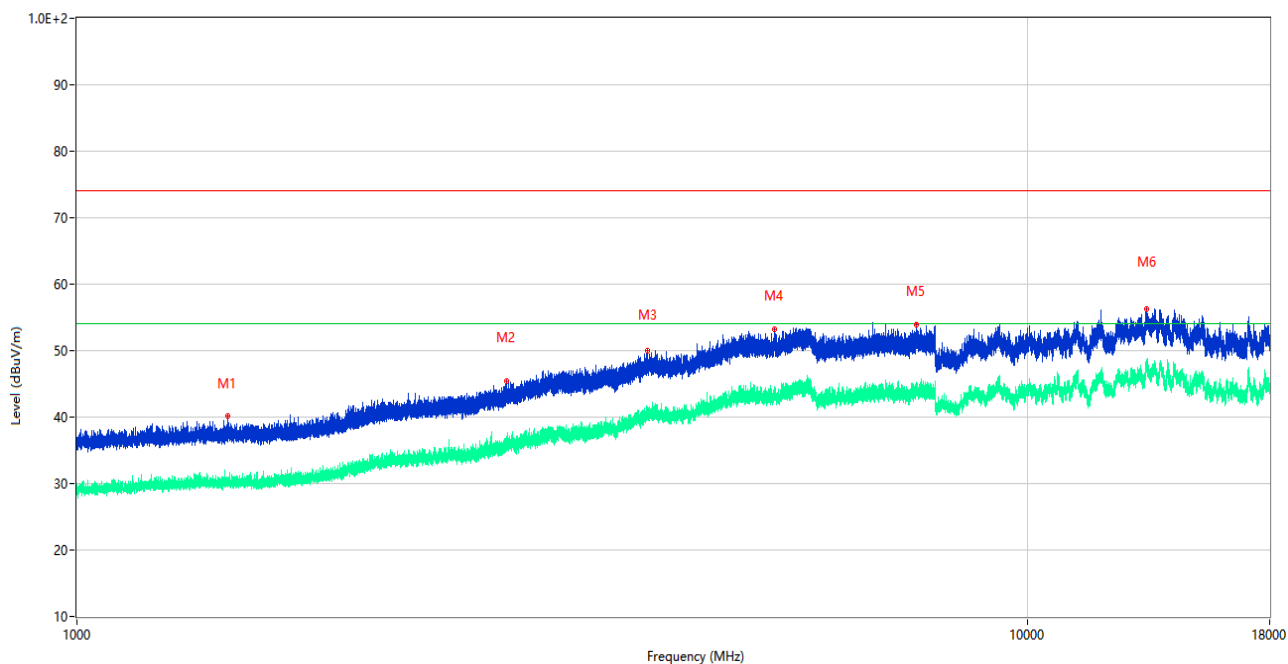
3) Test Antenna Vertical, 1 GHz – 18 GHz

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	1356.200	39.90	-15.57	74.0	34.10	Peak	342.00	100	Vertical	Pass
1**	1356.200	29.86	-15.57	54.0	24.14	AV	342.00	100	Vertical	Pass
2	2343.940	44.07	-11.44	74.0	29.93	Peak	17.00	100	Vertical	Pass
2**	2343.940	33.48	-11.44	54.0	20.52	AV	17.00	100	Vertical	Pass
3	3026.310	46.99	-6.95	74.0	27.01	Peak	269.00	100	Vertical	Pass
3**	3026.310	36.31	-6.95	54.0	17.69	AV	269.00	100	Vertical	Pass
4	4854.220	53.72	0.57	74.0	20.28	Peak	288.00	100	Vertical	Pass
4**	4854.220	43.11	0.57	54.0	10.89	AV	288.00	100	Vertical	Pass
5	7756.020	53.58	0.19	74.0	20.42	Peak	279.00	100	Vertical	Pass
5**	7756.020	44.70	0.19	54.0	9.30	AV	279.00	100	Vertical	Pass
6	13630.500	56.49	4.97	74.0	17.51	Peak	0.00	100	Vertical	Pass
6**	13630.500	46.97	4.97	54.0	7.03	AV	0.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz



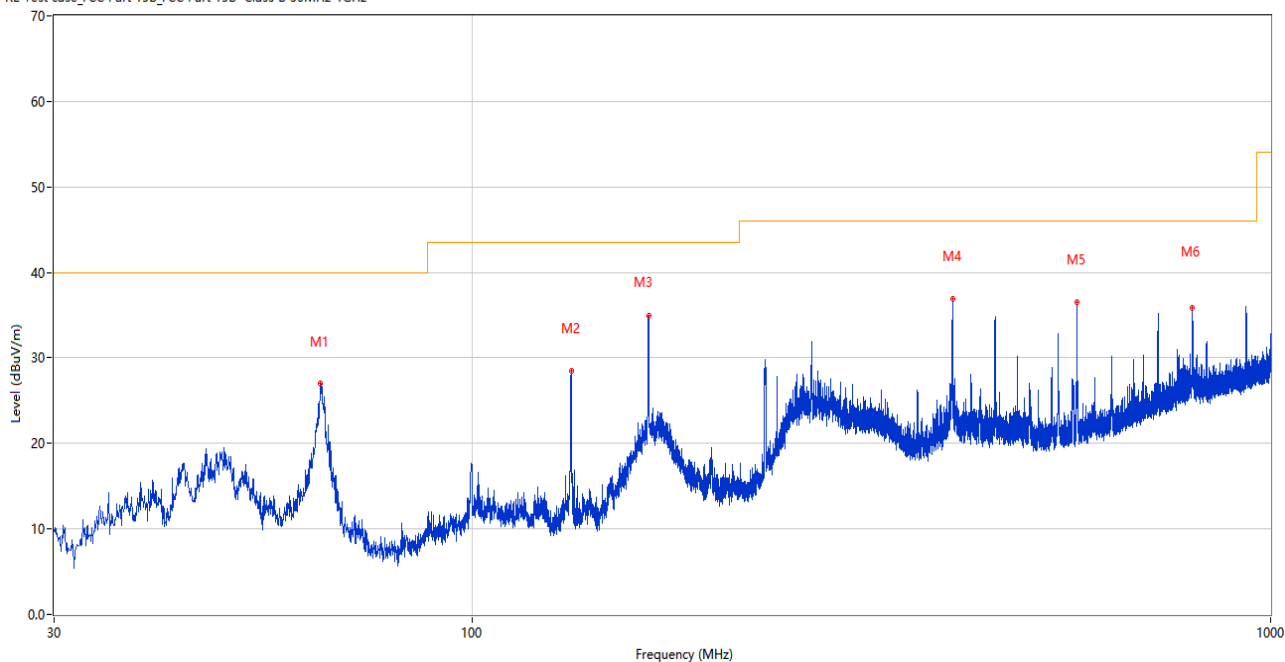
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.050	40.22	-15.51	74.0	33.78	Peak	249.00	100	Horizontal	Pass
1**	1440.050	30.06	-15.51	54.0	23.94	AV	249.00	100	Horizontal	Pass
2	2831.960	45.36	-8.31	74.0	28.64	Peak	172.00	100	Horizontal	Pass
2**	2831.960	35.39	-8.31	54.0	18.61	AV	172.00	100	Horizontal	Pass
3	3987.860	50.04	-1.64	74.0	23.96	Peak	270.00	100	Horizontal	Pass
3**	3987.860	40.21	-1.64	54.0	13.79	AV	270.00	100	Horizontal	Pass
4	5419.400	53.23	1.26	74.0	20.77	Peak	92.00	100	Horizontal	Pass
4**	5419.400	42.95	1.26	54.0	11.05	AV	92.00	100	Horizontal	Pass
5	7648.000	53.97	0.49	74.0	20.03	Peak	120.00	100	Horizontal	Pass
5**	7648.000	45.06	0.49	54.0	8.94	AV	120.00	100	Horizontal	Pass
6	13356.000	56.30	5.19	74.0	17.70	Peak	78.00	100	Horizontal	Pass
6**	13356.000	47.54	5.19	54.0	6.46	AV	78.00	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

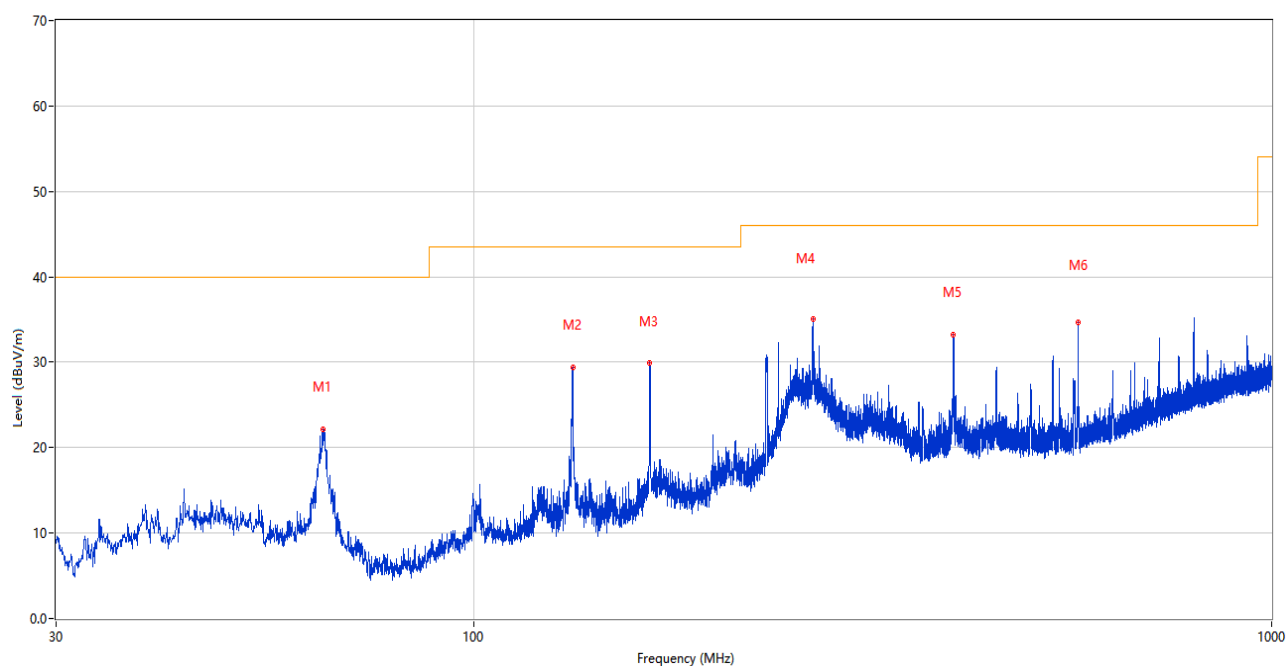
5) Test Antenna Vertical, 30 MHz – 1 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	64.677	26.96	-26.60	40.0	13.04	Peak	279.00	100	Vertical	Pass
2	133.111	28.49	-29.98	43.5	15.01	Peak	360.00	100	Vertical	Pass
3	166.624	34.97	-29.04	43.5	8.53	Peak	268.00	100	Vertical	Pass
4	399.618	36.86	-21.11	46.0	9.14	Peak	173.00	100	Vertical	Pass
5	572.182	36.55	-16.92	46.0	9.45	Peak	164.00	200	Vertical	Pass
6	797.270	35.88	-11.84	46.0	10.12	Peak	200.00	100	Vertical	Pass

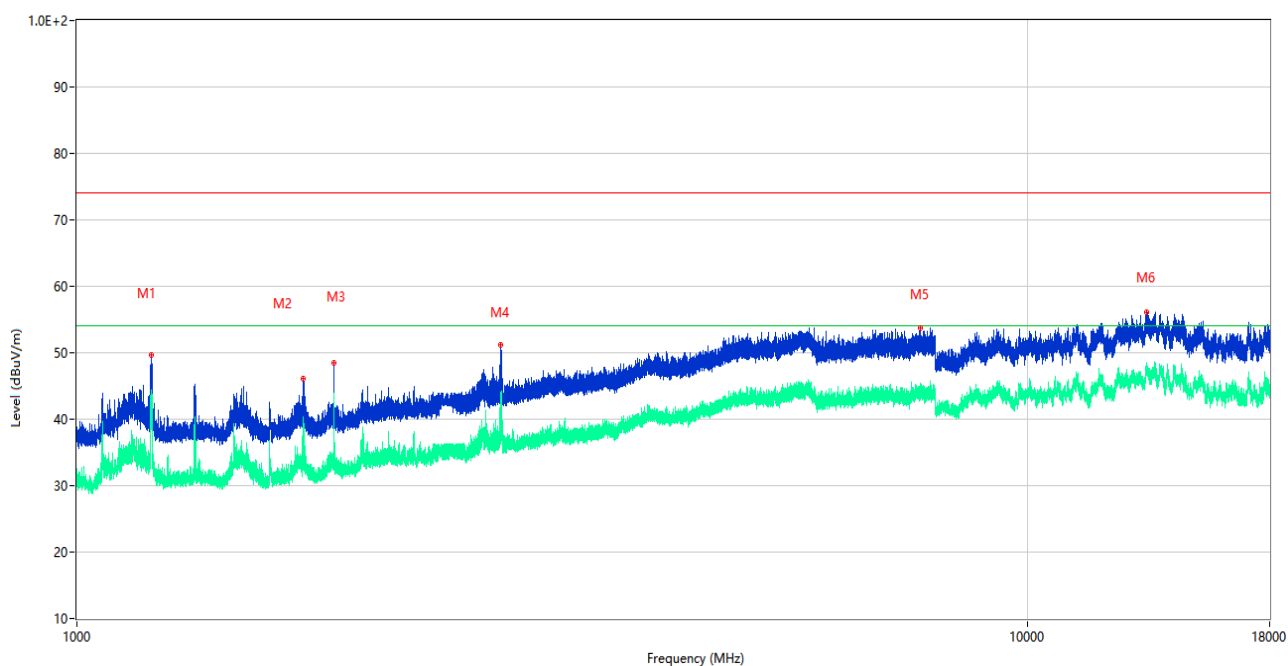
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	64.871	22.17	-26.56	40.0	17.83	Peak	325.00	200	Horizontal	Pass
2	133.305	29.41	-30.03	43.5	14.09	Peak	99.00	200	Horizontal	Pass
3	166.139	29.86	-29.06	43.5	13.64	Peak	134.00	200	Horizontal	Pass
4	266.534	35.09	-24.71	46.0	10.91	Peak	230.00	100	Horizontal	Pass
5	398.649	33.18	-21.08	46.0	12.82	Peak	198.00	100	Horizontal	Pass
6	572.764	34.62	-16.96	46.0	11.38	Peak	327.00	200	Horizontal	Pass

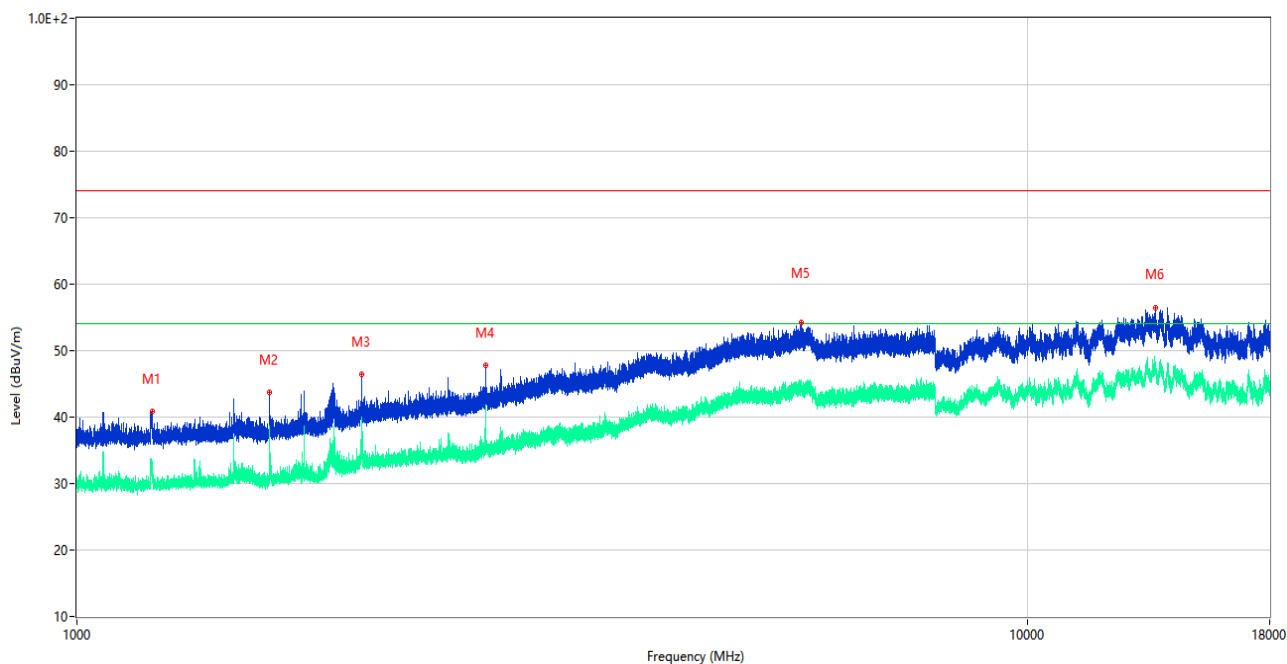
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	00883	2025.03.23	2028.03.22	☒
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	1197.600	49.73	-15.76	74.0	24.27	Peak	224.00	100	Vertical	Pass
1**	1197.600	39.12	-15.76	54.0	14.88	AV	224.00	100	Vertical	Pass
2	1730.600	46.18	-15.51	74.0	27.82	Peak	173.00	100	Vertical	Pass
2**	1730.600	39.25	-15.51	54.0	14.75	AV	173.00	100	Vertical	Pass
3	1865.800	48.39	-14.40	74.0	25.61	Peak	44.00	100	Vertical	Pass
3**	1865.800	35.69	-14.40	54.0	18.31	AV	44.00	100	Vertical	Pass
4	2793.610	51.14	-8.37	74.0	22.86	Peak	168.00	100	Vertical	Pass
4**	2793.610	39.40	-8.37	54.0	14.60	AV	168.00	100	Vertical	Pass
5	7729.180	53.76	0.57	74.0	20.24	Peak	231.00	100	Vertical	Pass
5**	7729.180	43.43	0.57	54.0	10.57	AV	231.00	100	Vertical	Pass
6	13350.000	56.04	5.23	74.0	17.96	Peak	179.00	100	Vertical	Pass
6**	13350.000	46.90	5.23	54.0	7.10	AV	179.00	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	1199.290	40.79	-15.76	74.0	33.21	Peak	236.00	100	Horizontal	Pass
1**	1199.290	32.96	-15.76	54.0	21.04	AV	236.00	100	Horizontal	Pass
2	1594.360	43.68	-15.68	74.0	30.32	Peak	170.00	100	Horizontal	Pass
2**	1594.360	35.50	-15.68	54.0	18.50	AV	170.00	100	Horizontal	Pass
3	1992.550	46.40	-13.52	74.0	27.60	Peak	265.00	100	Horizontal	Pass
3**	1992.550	36.17	-13.52	54.0	17.83	AV	265.00	100	Horizontal	Pass
4	2692.860	47.76	-8.86	74.0	26.24	Peak	346.00	100	Horizontal	Pass
4**	2692.860	39.55	-8.86	54.0	14.45	AV	346.00	100	Horizontal	Pass
5	5790.760	54.17	2.04	74.0	19.83	Peak	113.00	100	Horizontal	Pass
5**	5790.760	45.02	2.04	54.0	8.98	AV	113.00	100	Horizontal	Pass
6	13637.500	56.36	5.03	74.0	17.64	Peak	325.00	100	Horizontal	Pass
6**	13637.500	47.57	5.03	54.0	6.43	AV	325.00	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	/		☒

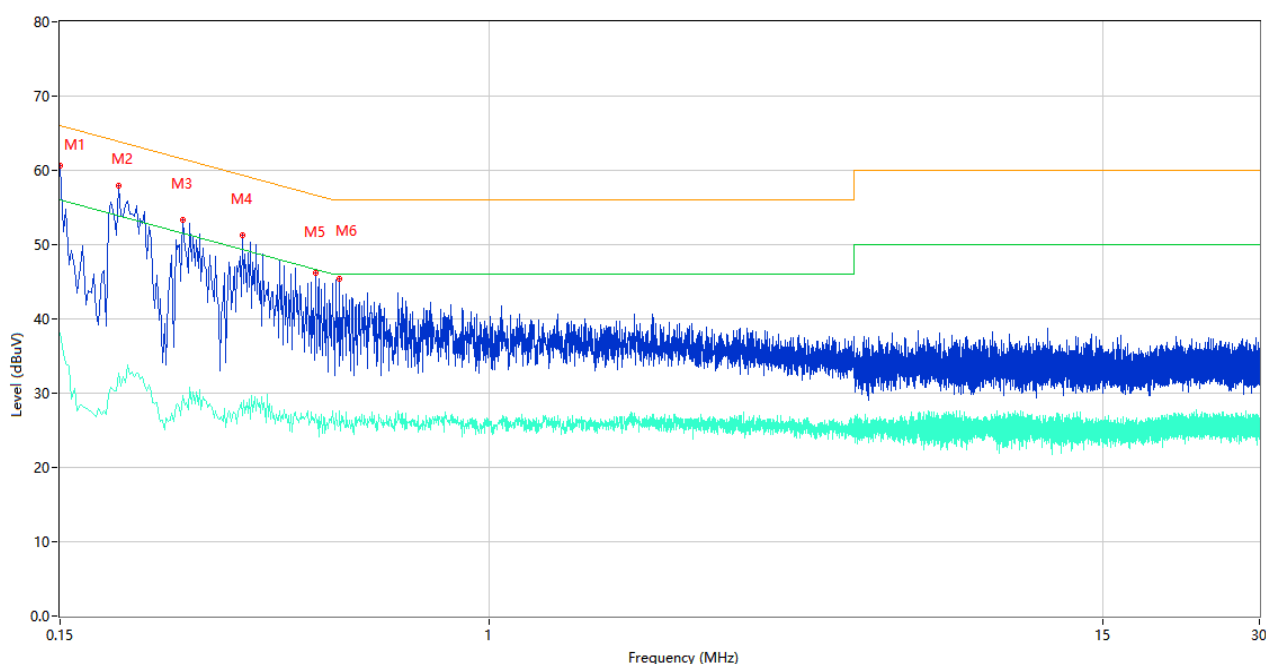
A.2 Conducted Emission, AC Ports

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 (120 VAC, 60 Hz) shown here.

Sample No.	S08	Temperature	21.2℃
Humidity	65%RH	Pressure	101kPa
Test Engineer	Yangyang	Test Date	2025.04.10

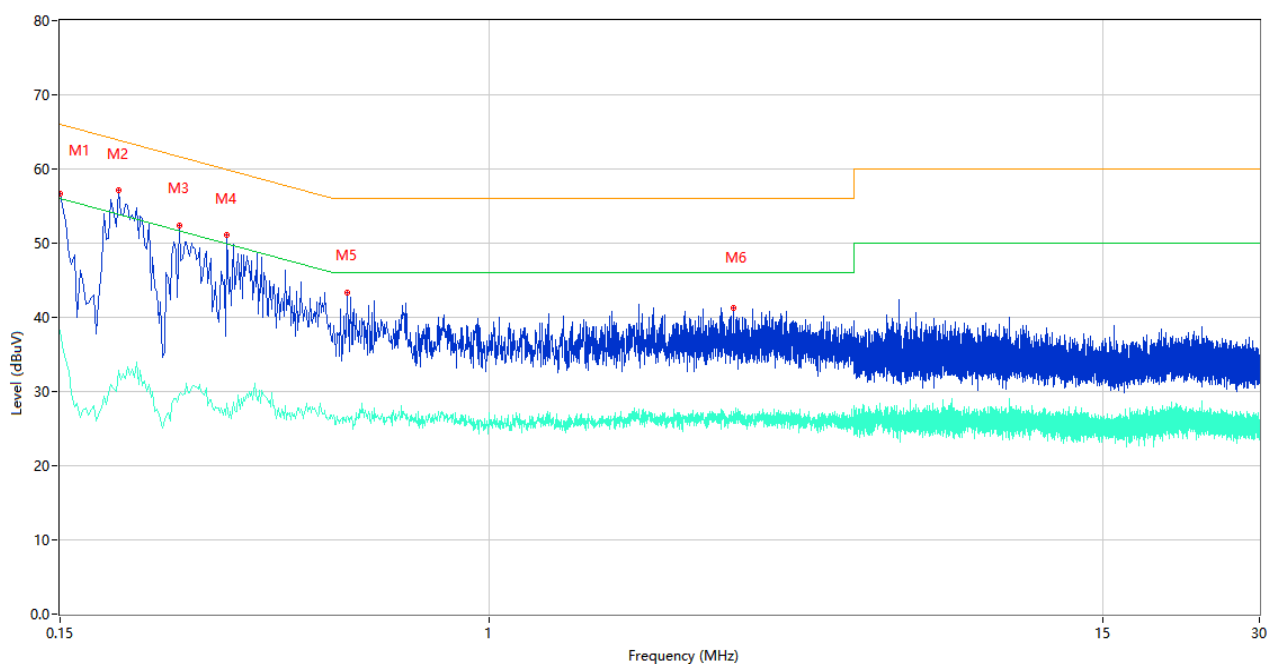
Test Mode 4

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	60.65	9.78	66.00	5.35	Peak	L	Pass
1**	0.150	38.10	9.78	56.00	17.90	AV	L	Pass
2	0.194	57.87	9.77	63.86	5.99	Peak	L	Pass
2**	0.194	32.76	9.77	53.86	21.10	AV	L	Pass
3	0.258	53.33	9.77	61.50	8.17	Peak	L	Pass
3**	0.258	29.72	9.77	51.50	21.78	AV	L	Pass
4	0.336	51.25	10.48	59.30	8.05	Peak	L	Pass
4**	0.336	27.04	10.48	49.30	22.26	AV	L	Pass
5	0.464	46.11	10.01	56.62	10.51	Peak	L	Pass
5**	0.464	27.18	10.01	46.62	19.44	AV	L	Pass
6	0.516	45.44	10.00	56.00	10.56	Peak	L	Pass
6**	0.516	27.64	10.00	46.00	18.36	AV	L	Pass

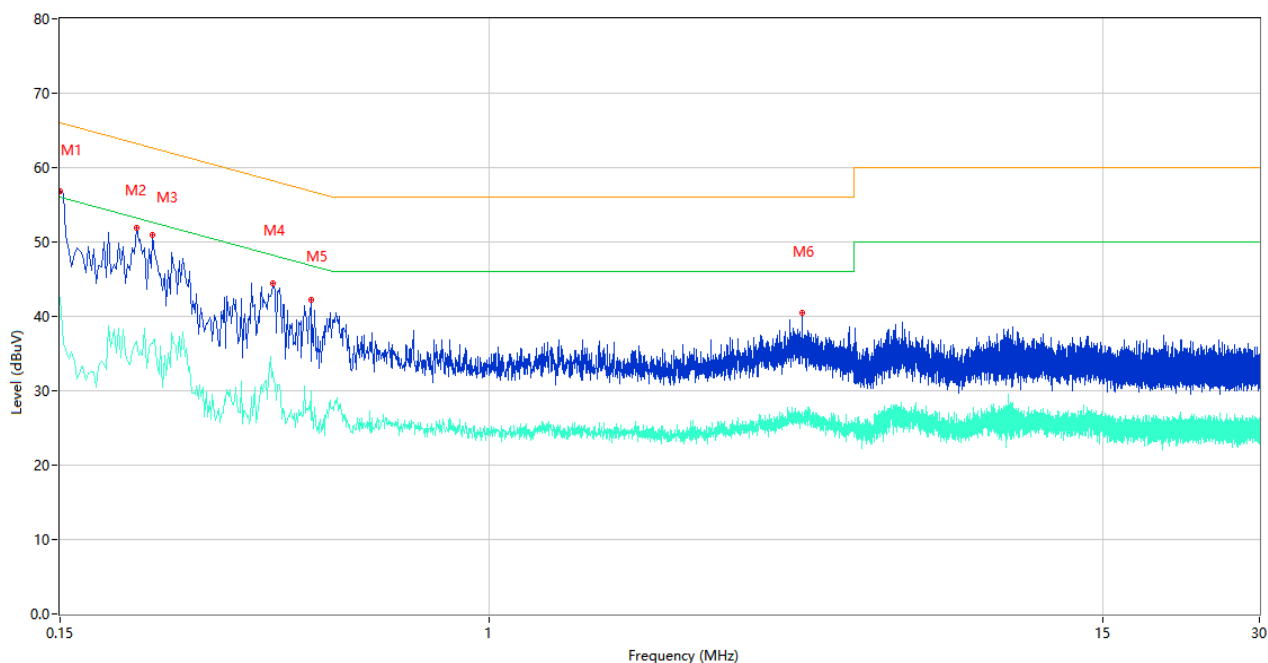
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	56.73	9.78	66.00	9.27	Peak	N	Pass
1**	0.150	38.32	9.78	56.00	17.68	AV	N	Pass
2	0.194	57.09	9.77	63.86	6.77	Peak	N	Pass
2**	0.194	32.85	9.77	53.86	21.01	AV	N	Pass
3	0.254	52.42	9.77	61.63	9.21	Peak	N	Pass
3**	0.254	29.73	9.77	51.63	21.90	AV	N	Pass
4	0.314	51.04	10.04	59.86	8.82	Peak	N	Pass
4**	0.314	28.38	10.04	49.86	21.48	AV	N	Pass
5	0.534	43.38	10.01	56.00	12.62	Peak	N	Pass
5**	0.534	26.69	10.01	46.00	19.31	AV	N	Pass
6	2.934	41.29	10.13	56.00	14.71	Peak	N	Pass

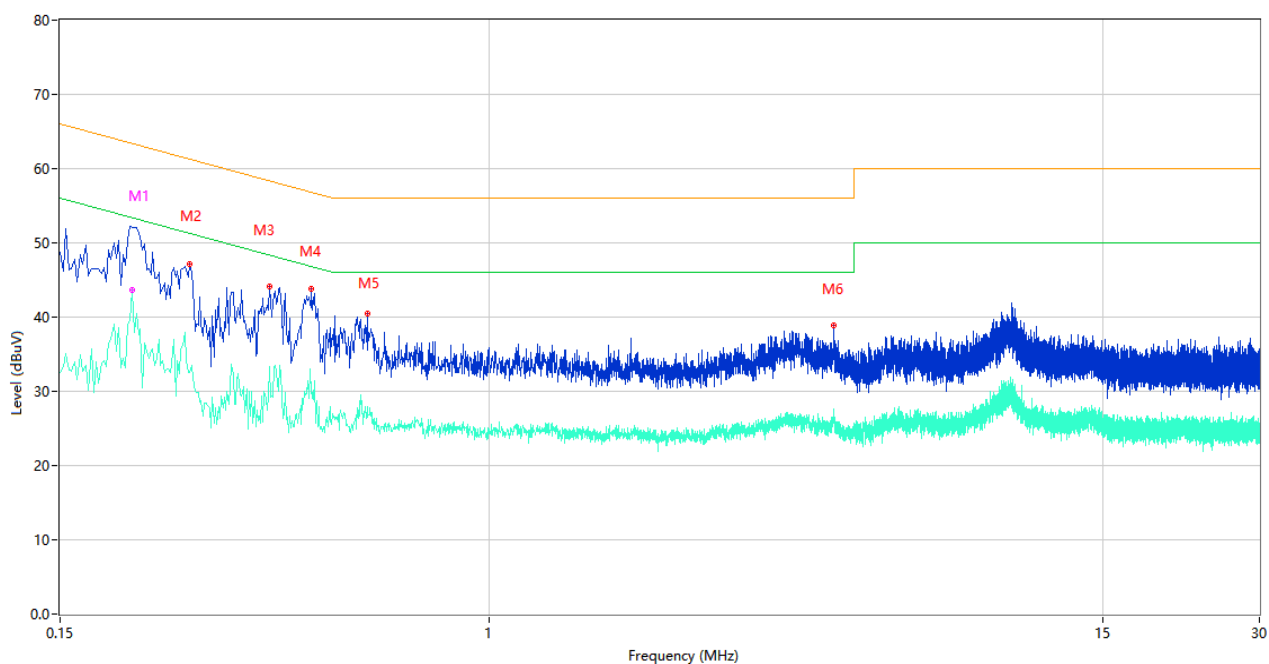
Test Mode 5

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	56.88	9.78	66.00	9.12	Peak	L	Pass
1**	0.150	42.51	9.78	56.00	13.49	AV	L	Pass
2	0.210	51.98	9.77	63.21	11.23	Peak	L	Pass
2**	0.210	36.69	9.77	53.21	16.52	AV	L	Pass
3	0.226	51.00	9.77	62.60	11.60	Peak	L	Pass
3**	0.226	36.38	9.77	52.60	16.22	AV	L	Pass
4	0.384	44.48	10.62	58.19	13.71	Peak	L	Pass
4**	0.384	32.47	10.62	48.19	15.72	AV	L	Pass
5	0.454	42.16	10.02	56.80	14.64	Peak	L	Pass
5**	0.454	30.05	10.02	46.80	16.75	AV	L	Pass
6	3.982	40.40	9.97	56.00	15.60	Peak	L	Pass
6**	3.982	27.14	9.97	46.00	18.86	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.206	52.10	9.77	63.37	11.27	Peak	N	Pass
1**	0.206	43.68	9.77	53.37	9.69	AV	N	Pass
2	0.266	47.11	9.76	61.24	14.13	Peak	N	Pass
2**	0.266	32.56	9.76	51.24	18.68	AV	N	Pass
3	0.378	44.08	10.64	58.32	14.24	Peak	N	Pass
3**	0.378	33.38	10.64	48.32	14.94	AV	N	Pass
4	0.456	43.84	10.02	56.77	12.93	Peak	N	Pass
4**	0.456	30.99	10.02	46.77	15.78	AV	N	Pass
5	0.582	40.47	10.11	56.00	15.53	Peak	N	Pass
5**	0.582	27.96	10.11	46.00	18.04	AV	N	Pass
6	4.570	38.85	10.49	56.00	17.15	Peak	N	Pass
6**	4.570	26.80	10.49	46.00	19.20	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	☒
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-SZ2520873-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520873-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2520873-AI.PDF”.

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--END OF REPORT--