

TEST REPORT

Applicant: MEIZU TECHNOLOGY CO., LTD.
Address: MEIZU Tech Bldg, Technology & Innovation Coast,
Zhuhai, 519085, Guangdong, China
Equipment Type: Mobile Phone
Model Name: M511H
Brand Name: MEIZU
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Feb. 26, 2025
Test Date: Feb. 27, 2025 - Mar. 13, 2025
Date of Issue: Apr. 07, 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. 07, 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.

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	M511H
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*8.9mm
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 Capacity:5000mAh/19.2Wh Typical Capacity: 5070mAh/19.47Wh
	Rated Voltage	3.84V
	Limit Charge Voltage	4.45V
	Manufacturer	Tianjin Lishen Juyuan New Energy Technology Co., Ltd.
Ancillary Equipment 2	Adapter 1	
	Brand Name	N/A
	Model No.	PS10UA050K2000EU (EU Plug)
	Serial No.	N/A
	Rated Input	100-240V~,50/60Hz 0.35A Max

	Rated Output	5.0V $\equiv$ 2.0A, 10.0W
	Manufacturer	Shenzhen Flypower Technology Co.,Ltd
Ancillary Equipment 3	Adapter 2	
	Brand Name	N/A
	Model No.	PS10UA050K2000UU (US Plug)
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.3A
	Rated Output	5.0V $\equiv$ 2.0A, 10.0W
	Manufacturer	Shenzhen Flypower Technology Co.,Ltd
Ancillary Equipment 4	Adapter 3	
	Brand Name	N/A
	Model No.	LM-603B-050200U02UKCA (UK Plug)
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.3A
	Rated Output	5.0V $\equiv$ 2.0A, 10.0W
	Manufacturer	Chongqing Lianmao Electronics Co.,Ltd
Ancillary Equipment 5	USB Cable	
	Model No.	X70
	Length (Approx.)	1m
Note 1: Letter in () means plug type.		
Note 2: All adapters are tested, only the worst data of PS10UA050K2000UU (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 FDD LTE Band 2/4/5/7/12/17/18/19/26/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11b, 802.11g, 802.11n GPS, GLONASS, Galileo, BDS
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	☒
Type-C Headset	OPPO	MH156	N/A	1.12m	N/A	☒
Data connector	UGREEN	40702	N/A	N/A	N/A	☒
USB disk	Sandisk	DTMC3G2	N/A	N/A	32G	☒
TF Card	Samsung	MB-MD256KA	N/A	N/A	256G	☒
Headset	OPPO	N/A	N/A	1.12m	N/A	☒
Laptop	HONOR	N/A	N/A	N/A	N/A	☒

4.2 Test Configurations

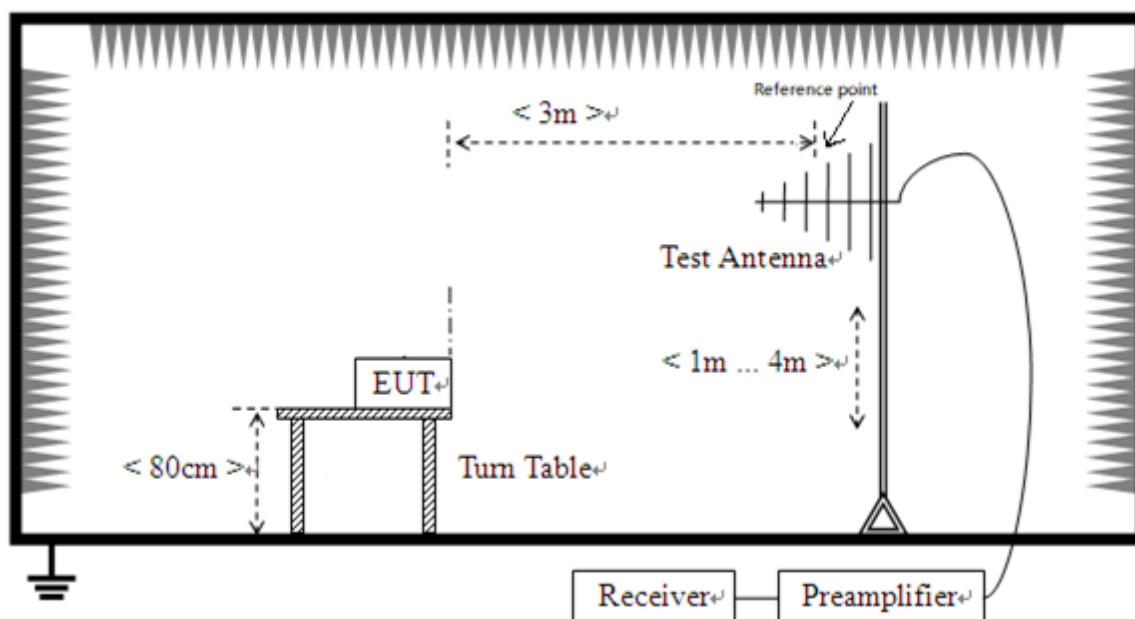
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + 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

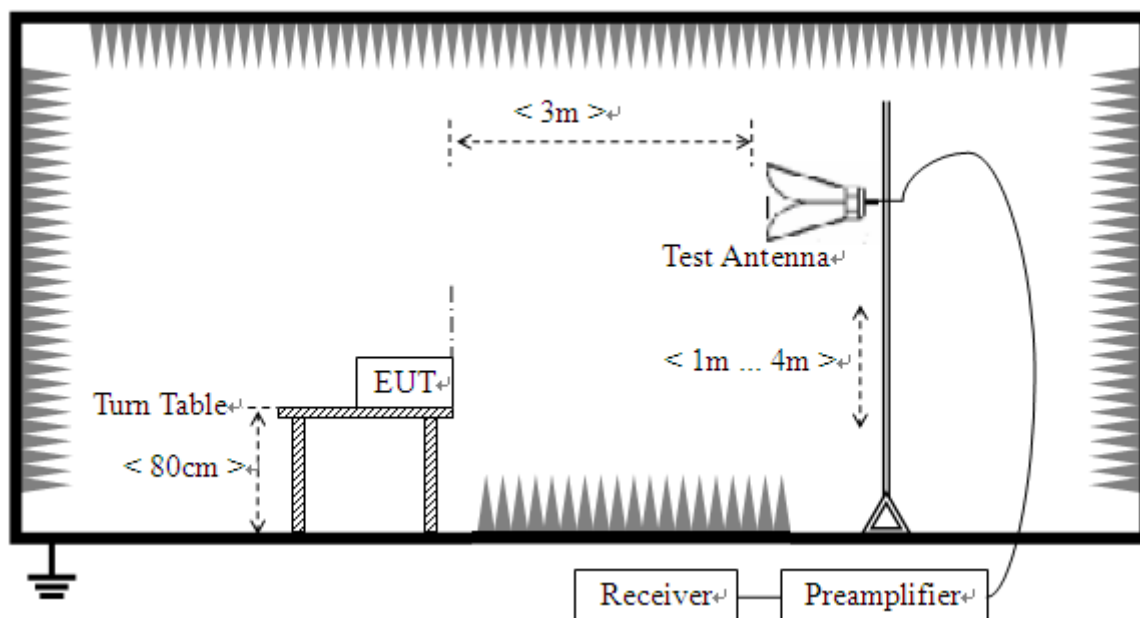
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 7	2, 5
Conducted Emission, AC Ports	Mode 1~Mode 5	4, 5
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

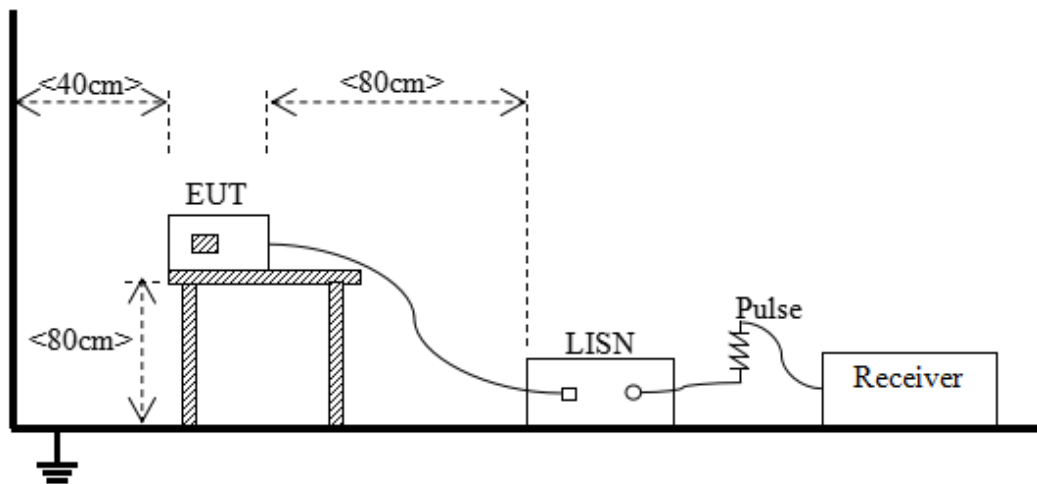
Test Setup 1



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 (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: The symbol of “--” in the table which means not application.

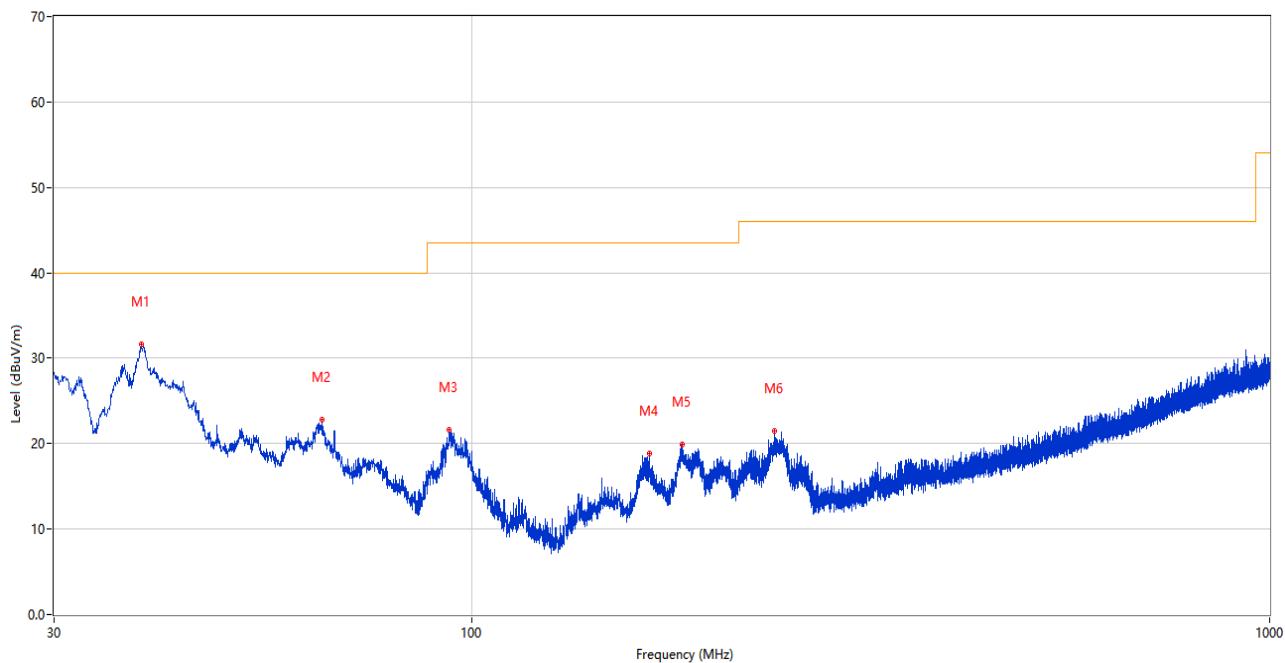
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.	S01	Temperature	21.2℃
Humidity	45%RH	Pressure	101kPa
Test Engineer	He Shichang	Test Date	2025.03.01

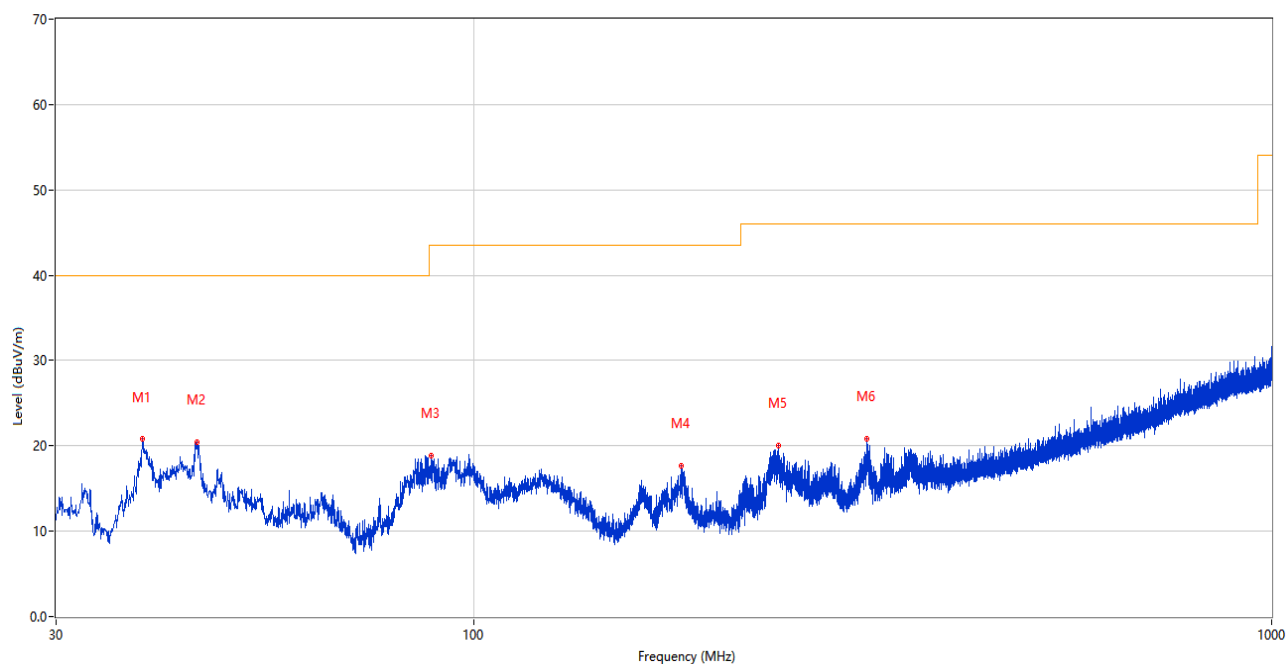
Test Mode 2

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	38.584	31.65	-25.78	40.0	8.35	Peak	202.00	100	Vertical	Pass
2	65.066	22.83	-26.86	40.0	17.17	Peak	119.00	100	Vertical	Pass
3	93.777	21.67	-27.51	43.5	21.83	Peak	273.00	100	Vertical	Pass
4	167.158	18.82	-29.08	43.5	24.68	Peak	285.00	100	Vertical	Pass
5	183.890	19.95	-27.77	43.5	23.55	Peak	266.00	100	Vertical	Pass
6	239.472	21.44	-25.25	46.0	24.56	Peak	311.00	100	Vertical	Pass

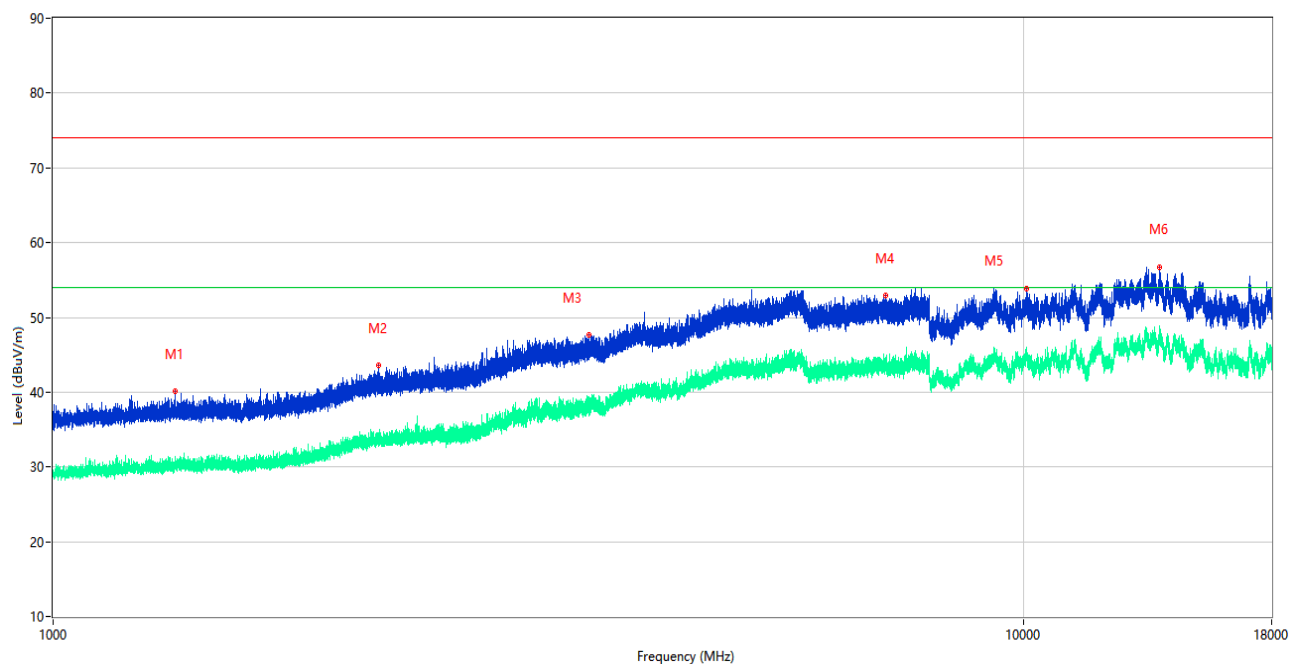
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.536	20.77	-25.71	40.0	19.23	Peak	224.00	100	Horizontal	Pass
2	44.986	20.48	-26.09	40.0	19.52	Peak	351.00	100	Horizontal	Pass
3	88.636	18.89	-29.07	43.5	24.61	Peak	129.00	200	Horizontal	Pass
4	181.950	17.71	-28.04	43.5	25.79	Peak	240.00	100	Horizontal	Pass
5	241.218	20.06	-25.20	46.0	25.94	Peak	61.00	100	Horizontal	Pass
6	311.058	20.86	-23.42	46.0	25.14	Peak	58.00	100	Horizontal	Pass

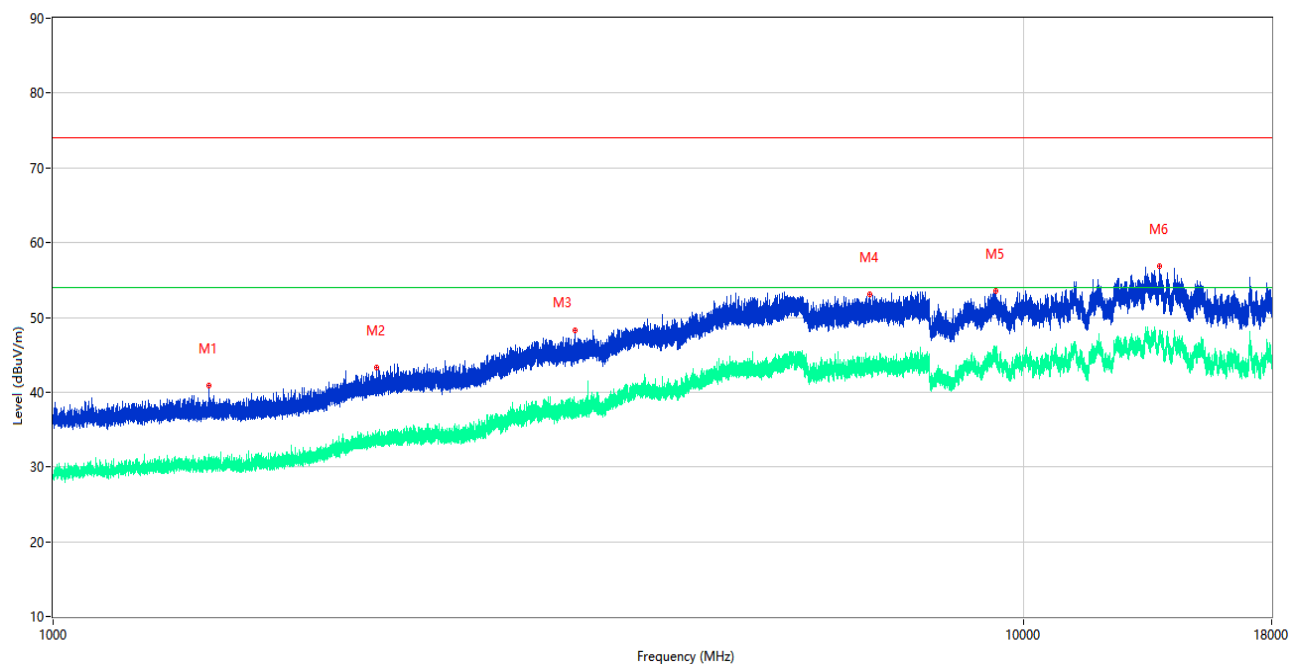
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	☒
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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.230	40.14	-15.66	74.0	33.86	Peak	343.00	100	Vertical	Pass
1**	1334.230	30.35	-15.66	54.0	23.65	AV	343.00	100	Vertical	Pass
2	2164.020	43.53	-11.81	74.0	30.47	Peak	0.00	100	Vertical	Pass
2**	2164.020	34.58	-11.81	54.0	19.42	AV	0.00	100	Vertical	Pass
3	3565.290	47.59	-4.78	74.0	26.41	Peak	357.00	100	Vertical	Pass
3**	3565.290	37.54	-4.78	54.0	16.46	AV	357.00	100	Vertical	Pass
4	7197.220	52.93	-0.55	74.0	21.07	Peak	174.00	100	Vertical	Pass
4**	7197.220	43.10	-0.55	54.0	10.90	AV	174.00	100	Vertical	Pass
5	10071.500	53.82	1.95	74.0	20.18	Peak	208.00	100	Vertical	Pass
5**	10071.500	44.93	1.95	54.0	9.07	AV	208.00	100	Vertical	Pass
6	13804.500	56.76	5.75	74.0	17.24	Peak	195.00	100	Vertical	Pass
6**	13804.500	47.99	5.75	54.0	6.01	AV	195.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz

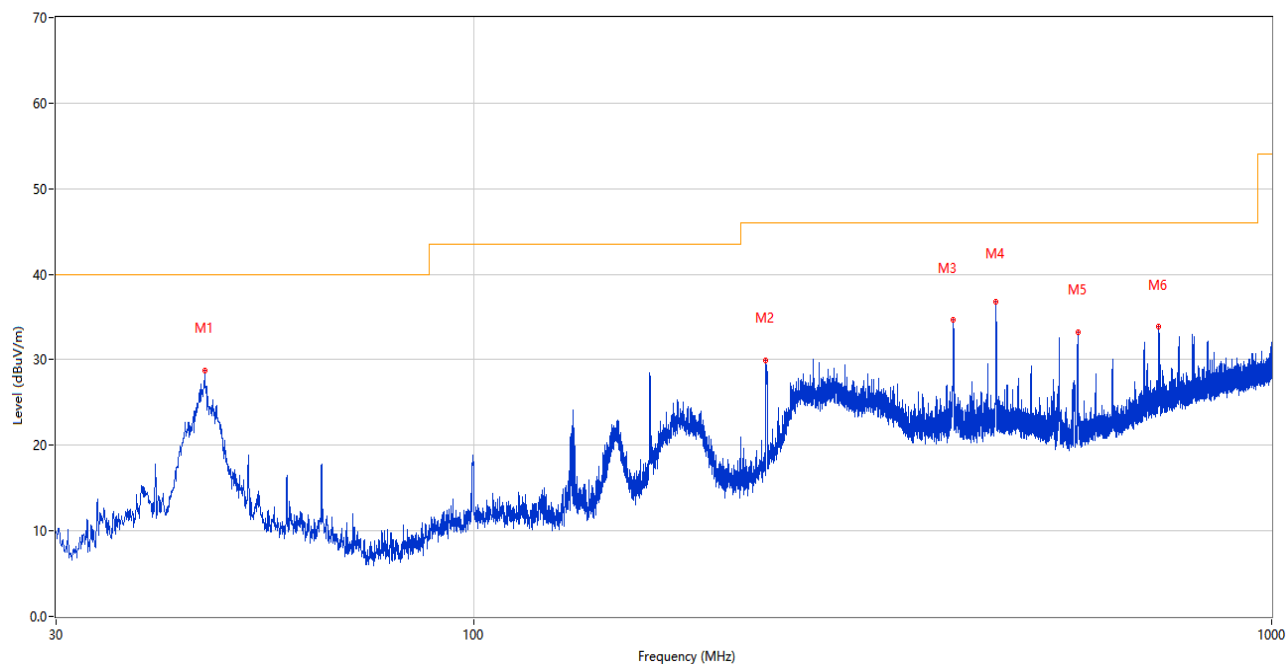


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.720	40.83	-15.50	74.0	33.17	Peak	55.00	100	Horizontal	Pass
1**	1447.720	30.86	-15.50	54.0	23.14	AV	55.00	100	Horizontal	Pass
2	2155.570	43.22	-11.89	74.0	30.78	Peak	323.00	100	Horizontal	Pass
2**	2155.570	33.75	-11.89	54.0	20.25	AV	323.00	100	Horizontal	Pass
3	3445.950	48.29	-5.31	74.0	25.71	Peak	97.00	100	Horizontal	Pass
3**	3445.950	37.29	-5.31	54.0	16.71	AV	97.00	100	Horizontal	Pass
4	6939.600	53.07	-0.54	74.0	20.93	Peak	289.00	100	Horizontal	Pass
4**	6939.600	42.79	-0.54	54.0	11.21	AV	289.00	100	Horizontal	Pass
5	9351.000	53.56	2.13	74.0	20.44	Peak	360.00	100	Horizontal	Pass
5**	9351.000	45.38	2.13	54.0	8.62	AV	360.00	100	Horizontal	Pass
6	13809.500	56.79	5.69	74.0	17.21	Peak	0.00	100	Horizontal	Pass
6**	13809.500	48.08	5.69	54.0	5.92	AV	0.00	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	/		☒

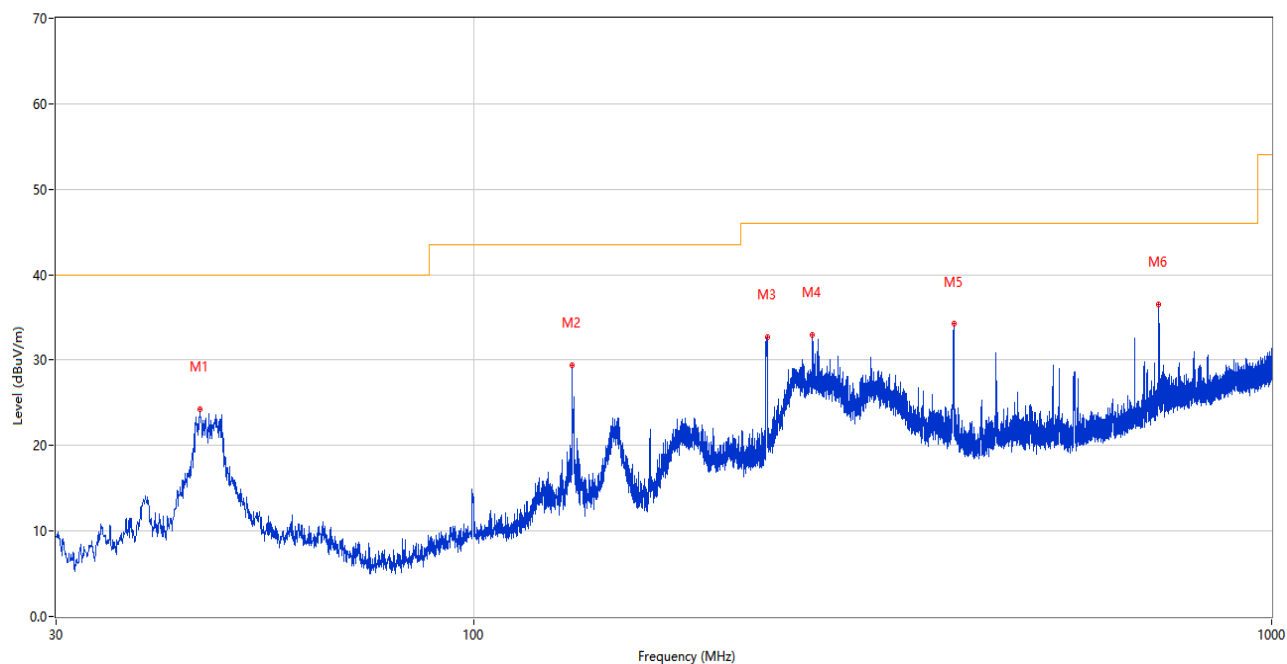
Test Mode 5

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	46.102	28.74	-26.12	40.0	11.26	Peak	332.00	200	Vertical	Pass
2	232.536	29.89	-25.59	46.0	16.11	Peak	282.00	200	Vertical	Pass
3	398.649	34.65	-21.08	46.0	11.35	Peak	187.00	100	Vertical	Pass
4	451.465	36.75	-19.86	46.0	9.25	Peak	164.00	100	Vertical	Pass
5	571.939	33.27	-16.90	46.0	12.73	Peak	123.00	100	Vertical	Pass
6	721.950	33.82	-13.48	46.0	12.18	Peak	196.00	100	Vertical	Pass

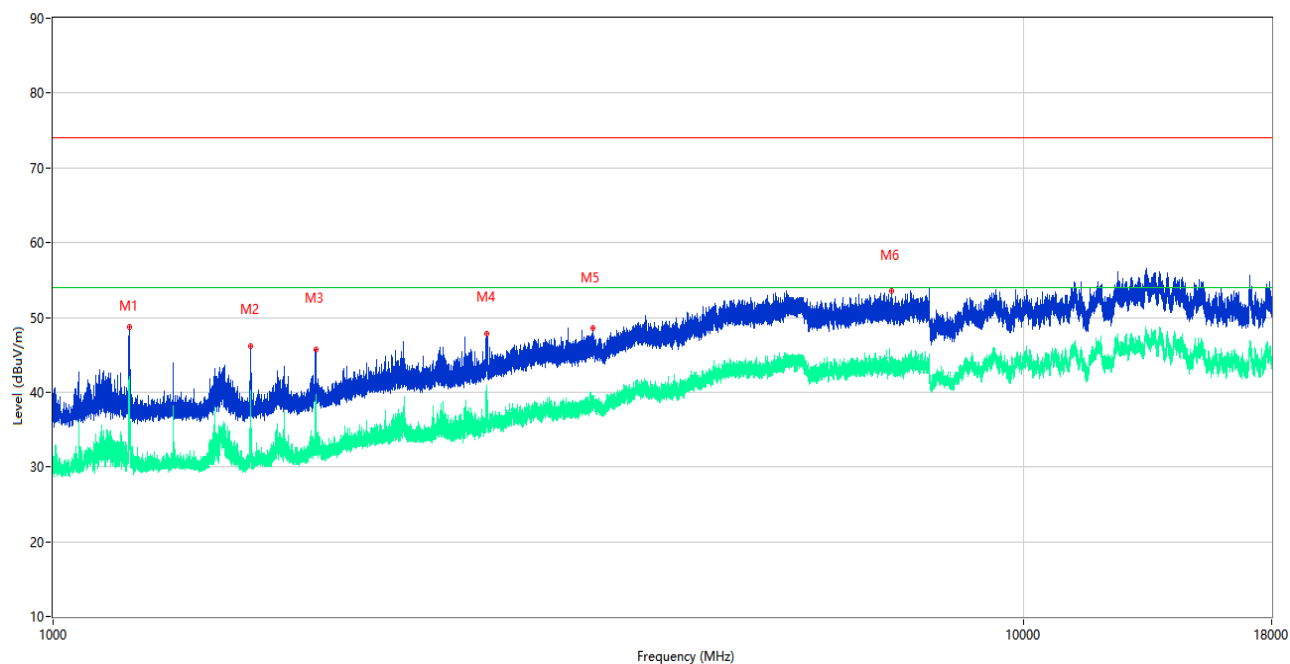
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.374	24.29	-25.95	40.0	15.71	Peak	168.00	200	Horizontal	Pass
2	132.917	29.45	-29.93	43.5	14.05	Peak	115.00	200	Horizontal	Pass
3	233.312	32.76	-25.42	46.0	13.24	Peak	260.00	100	Horizontal	Pass
4	265.662	32.99	-24.73	46.0	13.01	Peak	271.00	100	Horizontal	Pass
5	399.861	34.21	-21.09	46.0	11.79	Peak	295.00	100	Horizontal	Pass
6	722.532	36.46	-13.51	46.0	9.54	Peak	222.00	100	Horizontal	Pass

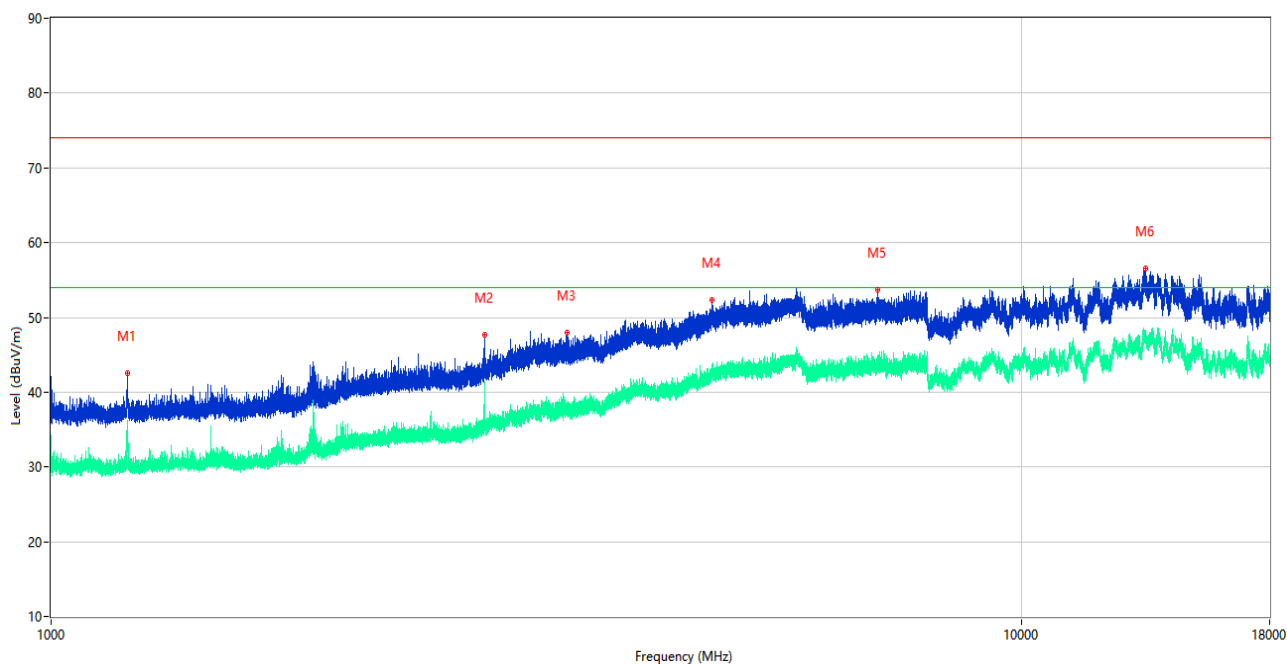
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	☒
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	1197.990	48.77	-15.75	74.0	25.23	Peak	209.00	100	Vertical	Pass
1**	1197.990	37.55	-15.75	54.0	16.45	AV	209.00	100	Vertical	Pass
2	1596.570	46.20	-15.65	74.0	27.80	Peak	223.00	100	Vertical	Pass
2**	1596.570	38.58	-15.65	54.0	15.42	AV	223.00	100	Vertical	Pass
3	1863.720	45.68	-14.40	74.0	28.32	Peak	227.00	100	Vertical	Pass
3**	1863.720	37.05	-14.40	54.0	16.95	AV	227.00	100	Vertical	Pass
4	2796.210	47.75	-8.36	74.0	26.25	Peak	177.00	100	Vertical	Pass
4**	2796.210	36.86	-8.36	54.0	17.14	AV	177.00	100	Vertical	Pass
5	3595.710	48.60	-5.10	74.0	25.40	Peak	191.00	100	Vertical	Pass
5**	3595.710	38.38	-5.10	54.0	15.62	AV	191.00	100	Vertical	Pass
6	7308.760	53.48	-0.39	74.0	20.52	Peak	25.00	100	Vertical	Pass
6**	7308.760	43.99	-0.39	54.0	10.01	AV	25.00	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	1197.990	42.50	-15.75	74.0	31.50	Peak	290.00	100	Horizontal	Pass
1**	1197.990	32.57	-15.75	54.0	21.43	AV	290.00	100	Horizontal	Pass
2	2798.550	47.69	-8.30	74.0	26.31	Peak	54.00	100	Horizontal	Pass
2**	2798.550	35.93	-8.30	54.0	18.07	AV	54.00	100	Horizontal	Pass
3	3402.920	47.91	-5.24	74.0	26.09	Peak	234.00	100	Horizontal	Pass
3**	3402.920	37.40	-5.24	54.0	16.60	AV	234.00	100	Horizontal	Pass
4	4790.200	52.27	0.51	74.0	21.73	Peak	205.00	100	Horizontal	Pass
4**	4790.200	42.37	0.51	54.0	11.63	AV	205.00	100	Horizontal	Pass
5	7106.800	53.62	0.10	74.0	20.38	Peak	288.00	100	Horizontal	Pass
5**	7106.800	44.31	0.10	54.0	9.69	AV	288.00	100	Horizontal	Pass
6	13405.000	56.49	4.84	74.0	17.51	Peak	64.00	100	Horizontal	Pass
6**	13405.000	47.17	4.84	54.0	6.83	AV	64.00	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	/		☒

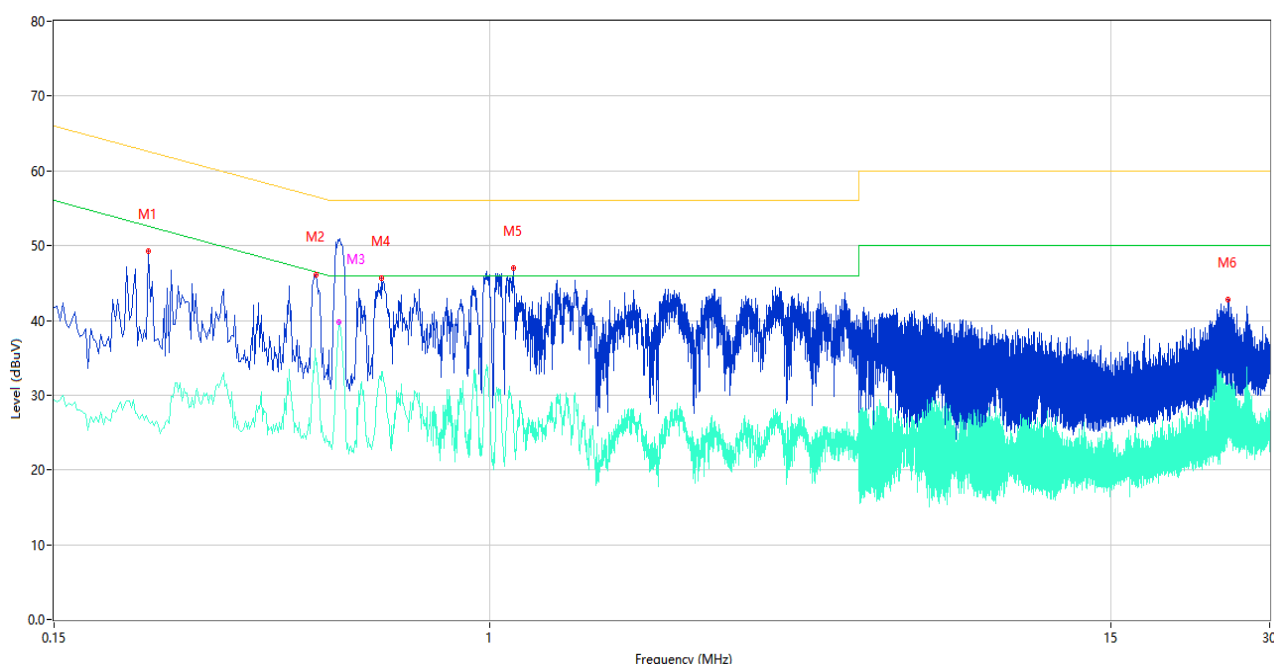
A.2 Conducted Emission, AC Ports

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.	S01	Temperature	21.2℃
Humidity	45%RH	Pressure	101kPa
Test Engineer	Yangyang	Test Date	2025.02.28

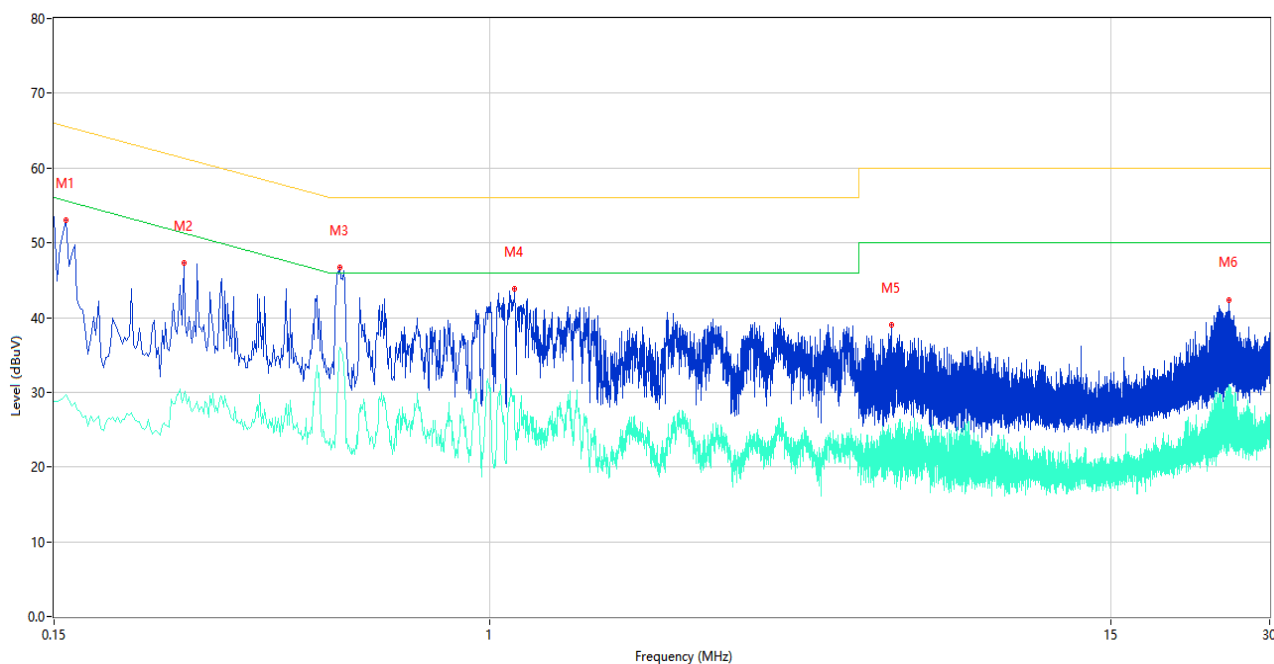
Test Mode 4

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.226	49.24	10.03	62.60	13.36	Peak	L	Pass
1**	0.226	26.46	10.03	52.60	26.14	AV	L	Pass
2	0.470	46.17	10.45	56.51	10.34	Peak	L	Pass
2**	0.470	34.11	10.45	46.51	12.40	AV	L	Pass
3	0.520	50.83	10.37	56.00	5.17	Peak	L	Pass
3**	0.520	39.84	10.37	46.00	6.16	AV	L	Pass
4	0.624	45.65	10.48	56.00	10.35	Peak	L	Pass
4**	0.624	33.15	10.48	46.00	12.85	AV	L	Pass
5	1.112	47.04	10.48	56.00	8.96	Peak	L	Pass
5**	1.112	26.13	10.48	46.00	19.87	AV	L	Pass
6	25.006	42.79	16.13	60.00	17.21	Peak	L	Pass
6**	25.006	30.36	16.13	50.00	19.64	AV	L	Pass

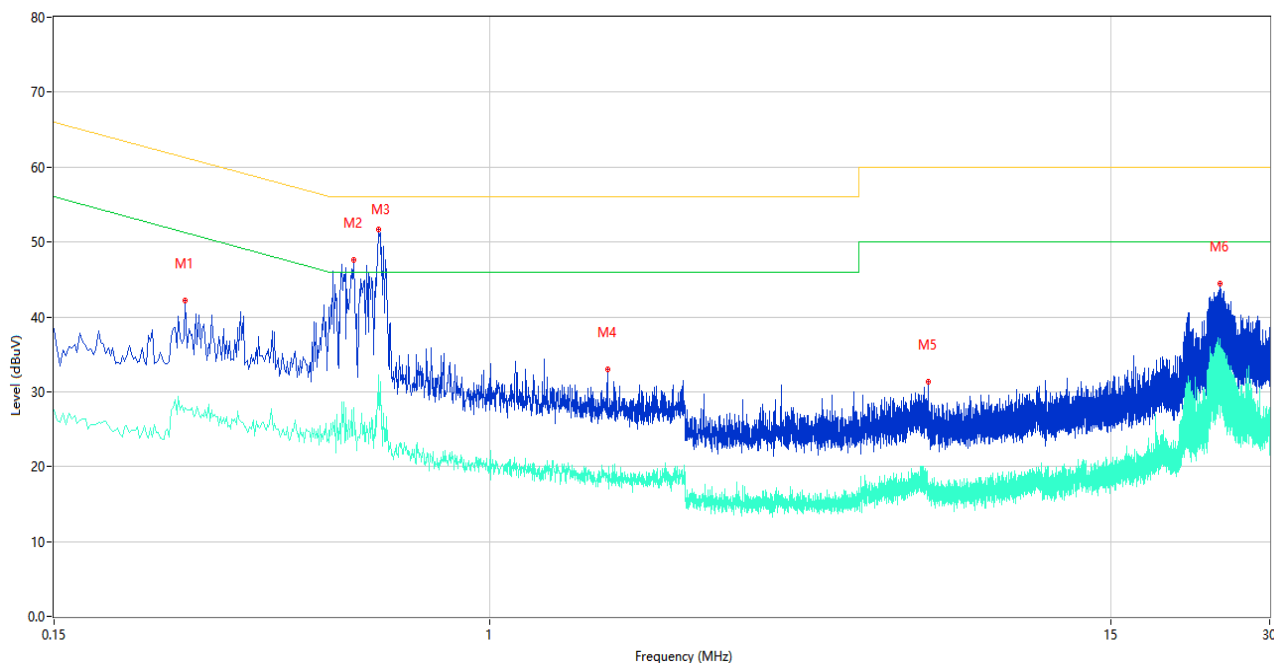
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	52.99	10.10	65.57	12.58	Peak	N	Pass
1**	0.158	29.68	10.10	55.57	25.89	AV	N	Pass
2	0.264	47.26	10.03	61.30	14.04	Peak	N	Pass
2**	0.264	29.54	10.03	51.30	21.76	AV	N	Pass
3	0.522	46.63	10.37	56.00	9.37	Peak	N	Pass
3**	0.522	36.06	10.37	46.00	9.94	AV	N	Pass
4	1.118	43.84	10.46	56.00	12.16	Peak	N	Pass
4**	1.118	26.23	10.46	46.00	19.77	AV	N	Pass
5	5.778	38.96	11.31	60.00	21.04	Peak	N	Pass
5**	5.778	23.39	11.31	50.00	26.61	AV	N	Pass
6	25.100	42.39	16.26	60.00	17.61	Peak	N	Pass
6**	25.100	31.09	16.26	50.00	18.91	AV	N	Pass

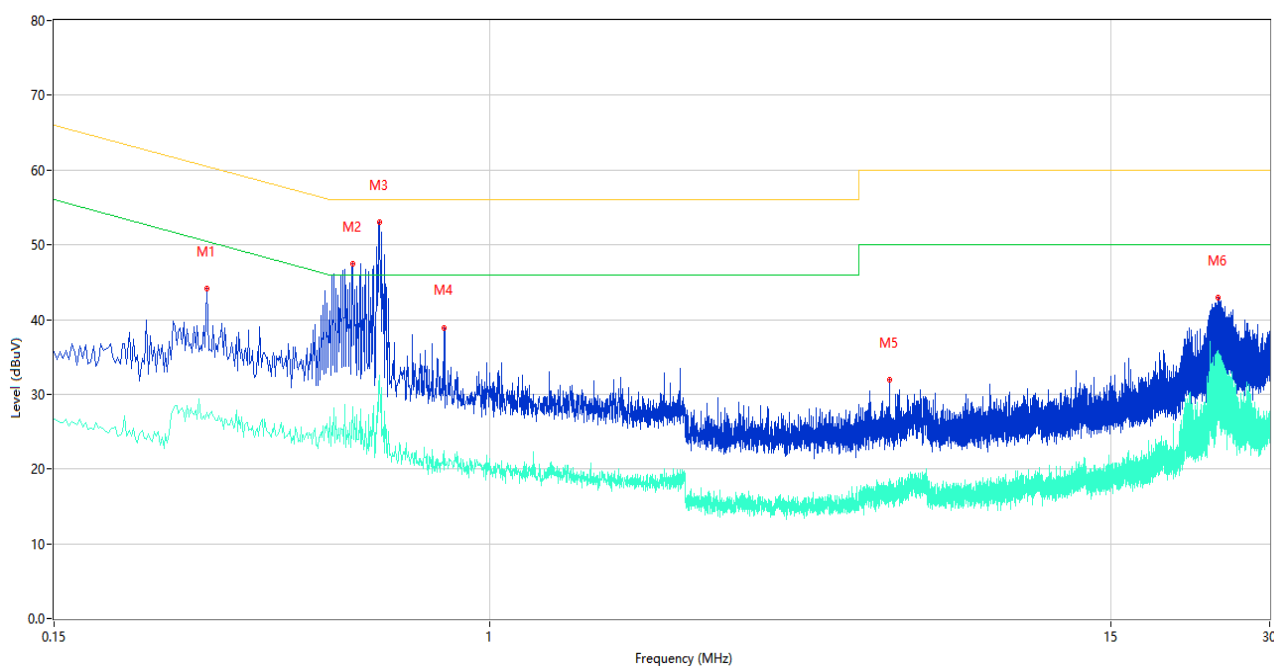
Test Mode 5

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.266	42.12	10.03	61.24	19.12	Peak	L	Pass
1**	0.266	27.80	10.03	51.24	23.44	AV	L	Pass
2	0.554	47.60	10.47	56.00	8.40	Peak	L	Pass
2**	0.554	27.82	10.47	46.00	18.18	AV	L	Pass
3	0.616	51.66	10.54	56.00	4.34	Peak	L	Pass
3**	0.616	28.22	10.54	46.00	17.78	AV	L	Pass
4	1.674	32.93	10.63	56.00	23.07	Peak	L	Pass
4**	1.674	18.78	10.63	46.00	27.22	AV	L	Pass
5	6.770	31.28	11.50	60.00	28.72	Peak	L	Pass
5**	6.770	16.17	11.50	50.00	33.83	AV	L	Pass
6	24.122	44.40	15.84	60.00	15.60	Peak	L	Pass
6**	24.122	37.06	15.84	50.00	12.94	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.292	44.14	10.04	60.47	16.33	Peak	N	Pass
1**	0.292	27.63	10.04	50.47	22.84	AV	N	Pass
2	0.552	47.47	10.46	56.00	8.53	Peak	N	Pass
2**	0.552	28.25	10.46	46.00	17.75	AV	N	Pass
3	0.620	52.97	10.51	56.00	3.03	Peak	N	Pass
3**	0.620	32.49	10.51	46.00	13.51	AV	N	Pass
4	0.820	38.92	10.15	56.00	17.08	Peak	N	Pass
4**	0.820	22.47	10.15	46.00	23.53	AV	N	Pass
5	5.716	31.97	11.39	60.00	28.03	Peak	N	Pass
5**	5.716	17.33	11.39	50.00	32.67	AV	N	Pass
6	23.984	42.94	15.95	60.00	17.06	Peak	N	Pass
6**	23.984	35.12	15.95	50.00	14.88	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	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-SZ2520098-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520098-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2520098-AI.PDF”.

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--END OF REPORT--