TEST REPORT

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Equipment Type:	Tablet Computer
Model Name:	25079RPDCG
Brand Name:	Xiaomi
FCC ID:	2AFZZRPDCG
Test Standard:	47 CFR Part 15 Subpart B ANSI C63.4-2014
Sample Arrival Date:	Apr. 24, 2025
Test Date:	Apr. 29, 2025 - May 06, 2025
Date of Issue:	May 13, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Li JunFeng **Checked by:** Liu ZhenXiang **Approved by:** Tolan Tu (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	May 13, 2025	Initial Issue

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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	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.2 Manufacturer Information

Manufacturer	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet Computer
Model Name Under Test	25079RPDCG
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	1351P2402
Software Version	Xiaomi HyperOS 2.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Please refer the document “BL-SZ2541436-AW EUT external photo.pdf”.

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI-802.11b, 802.11g, 802.11n(HT20), 802.11ax(HE20), 802.11be(EHT20) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80/160), 802.11ax(HE20/40/80/160) and 802.11be(EHT20/40/80/160) WPT
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	N/A	N/A	N/A	N/A	☒
Data connector	HBR	type-c to USB 3.0	N/A	N/A	N/A	☒
USB disk	Sandisk	CZ73-32G	N/A	N/A	32G	☒
TYPE-C Earphone	N/A	MH156	N/A	1.12m	N/A	☒
Phone holder	Xiaomi	N/A	N/A	N/A	N/A	☒
Earphone	Xiaomi	EM023	N/A	1.25m	N/A	☒
Phone	HONOR	V20	N/A	N/A	N/A	☒

4.2 Test Configurations

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

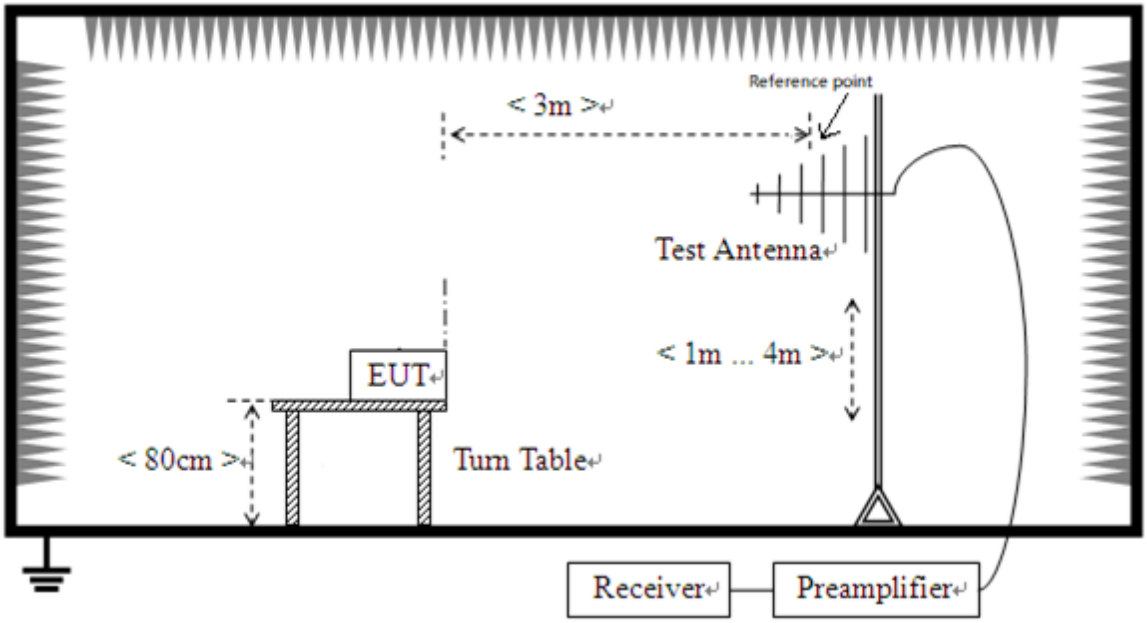
Test Mode Configuration	Description
Mode 1	The Charging Test Mode EUT + Adapter + USB Cable + Battery + Earphone
Mode 2	The Charging Test Mode(with Phone Charing) EUT + Adapter + USB Cable + Battery + Phone
Mode 3	The Front Camera Test Mode EUT + Adapter + USB Cable + Battery + Earphone
Mode 4	The Front Camera Test Mode(with Phone Charing) EUT + Adapter + USB Cable + Battery + Phone
Mode5	The Back Camera Test Mode EUT + Adapter + USB Cable + Battery + Earphone
Mode6	The Back Camera Test Mode(with Phone Charing) EUT + Adapter + USB Cable + Battery + Phone
Mode7	The Video Play Test Mode EUT + Adapter + USB Cable + Battery + Earphone
Mode8	The Video Play Test Mode(with Phone Charing) EUT + Adapter + USB Cable + Battery + Phone
Mode9	The Phone holder Test Mode EUT + Adapter + USB Cable + Battery + Earphone + Phone holder
Mode10	The Video Display Test Mode with internal speaker EUT + Adapter + USB Cable + Battery
Mode11	The USB Test Mode EUT + USB Cable + Battery + Laptop + Earphone

Mode12	The OTG Test Mode EUT + Battery + Data connector + USB disk + Earphone
Mode13	The Type-C Earphone Test Mode EUT + Battery + TYPE-C Earphone

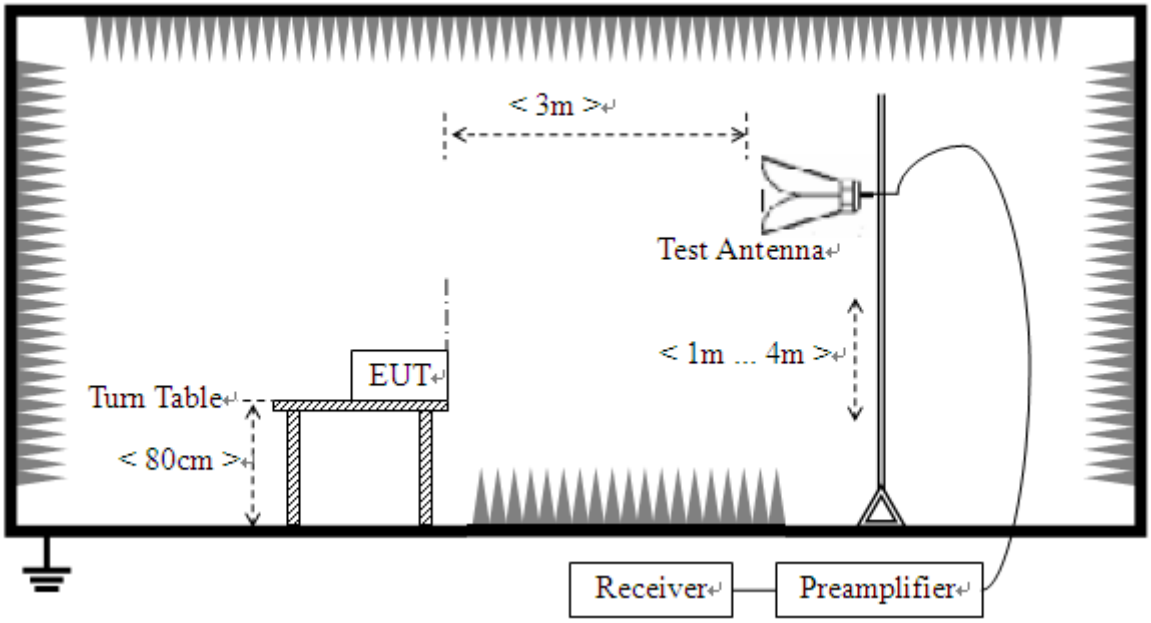
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 13	1
Conducted Emission, AC Ports	Mode 1~Mode 11	2
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

Test Setup 1

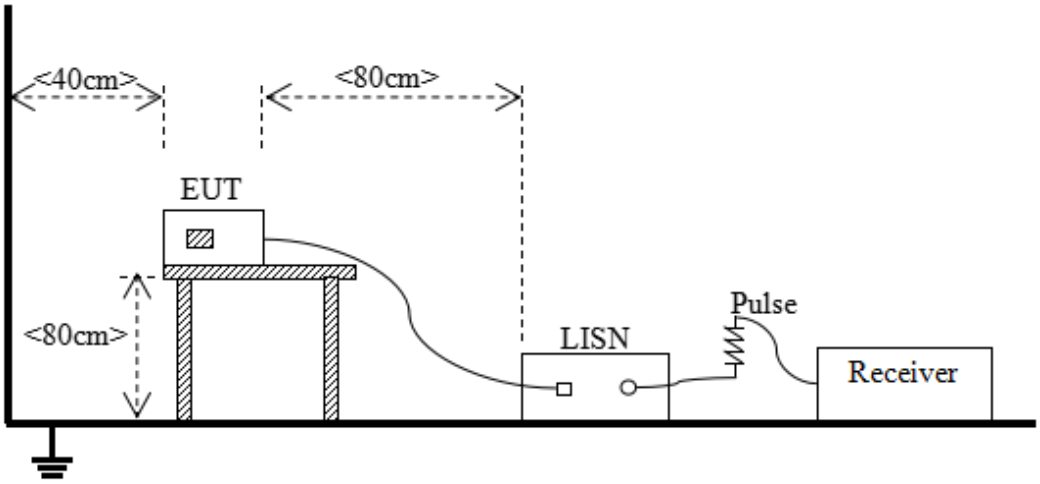


Radiated Emission (30 MHz-1 GHz)



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 (μV/m)	Field Strength (dBμV/m)	Field Strength (dBμV/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 (dBμV/m) = 20*log [Field Strength (μV/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 (μV/m)	Field Strength Average (dBμV/m)	Field Strength Peak (dBμV/m)	Field Strength Average (dBμV/m)	Field Strength Peak (dBμV/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: $L_{3m} = L_{10m} + 20*\log(d_{10m}/d_{3m})$ 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*log(10/3)=60 (dBμV/m).					

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq 108$ MHz	1 GHz
108 MHz $\leq F_X \leq$ 500 MHz	2 GHz
500 MHz $\leq F_X \leq$ 1 GHz	5 GHz
$F_X \geq 1$ 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 ≥ 1 GHz, 100 kHz for f < 1 GHz

VBW ≥ RBW

Sweep = auto

Detector function = peak for f <1 GHz, peak & RMS Average for f ≥ 1 GHz

Trace = max hold

5.1.1.4 Test Result and Test Equipment List

Please refer to ANNEX A.1.

NOTE:

1. Results (dBμV/m) = Reading (dBμV) + 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 (dBμV)	Average (dBμV)
0.15 - 0.50	79	66
0.50 - 30	73	60

Frequency range (MHz)	Class B	
	Quasi-peak (dBμV)	Average (dBμV)
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 μH 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 ≥ 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.

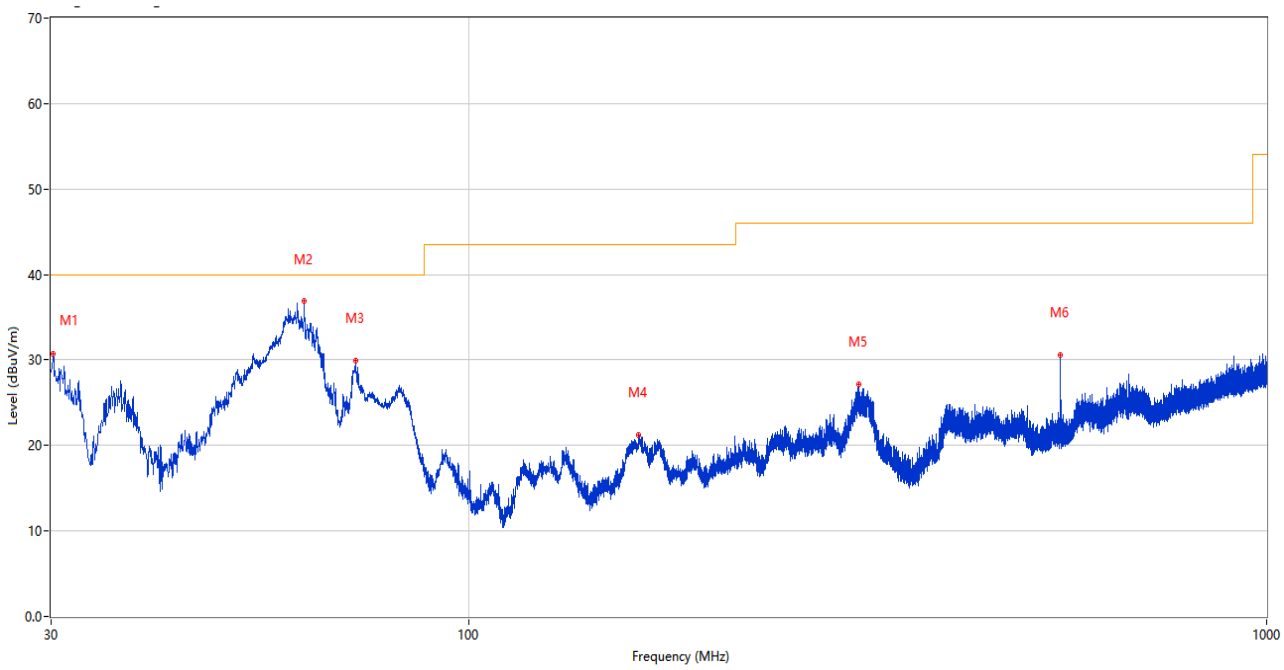
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.	S02	Temperature	22.7℃
Humidity	41%RH	Pressure	101kPa
Test Engineer	Chen Jingran	Test Date	2025.04.30

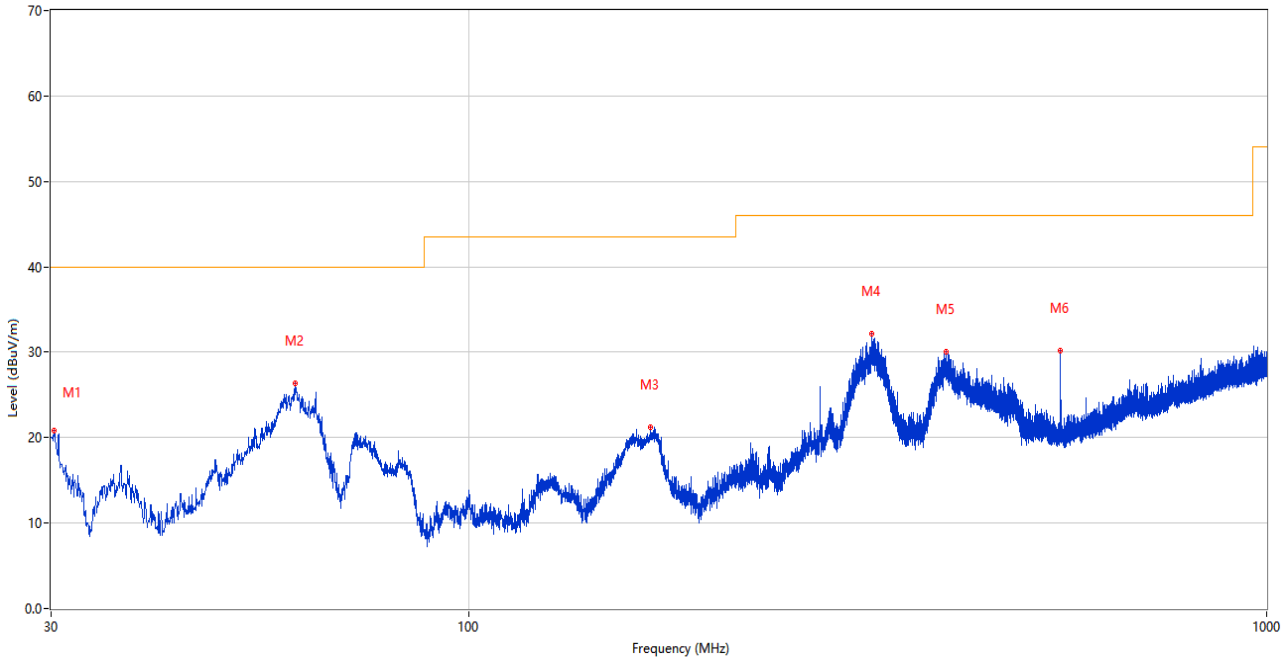
Test Mode 1

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	30.194	30.77	-28.24	40.0	9.23	Peak	250.00	100	Vertical	Pass
2	62.252	36.85	-27.07	40.0	3.15	Peak	171.00	100	Vertical	Pass
3	72.195	29.92	-29.44	40.0	10.08	Peak	222.00	100	Vertical	Pass
4	163.278	21.19	-29.32	43.5	22.31	Peak	269.00	100	Vertical	Pass
5	308.002	27.11	-23.48	46.0	18.89	Peak	303.00	200	Vertical	Pass
6	552.006	30.55	-17.40	46.0	15.45	Peak	8.00	100	Vertical	Pass

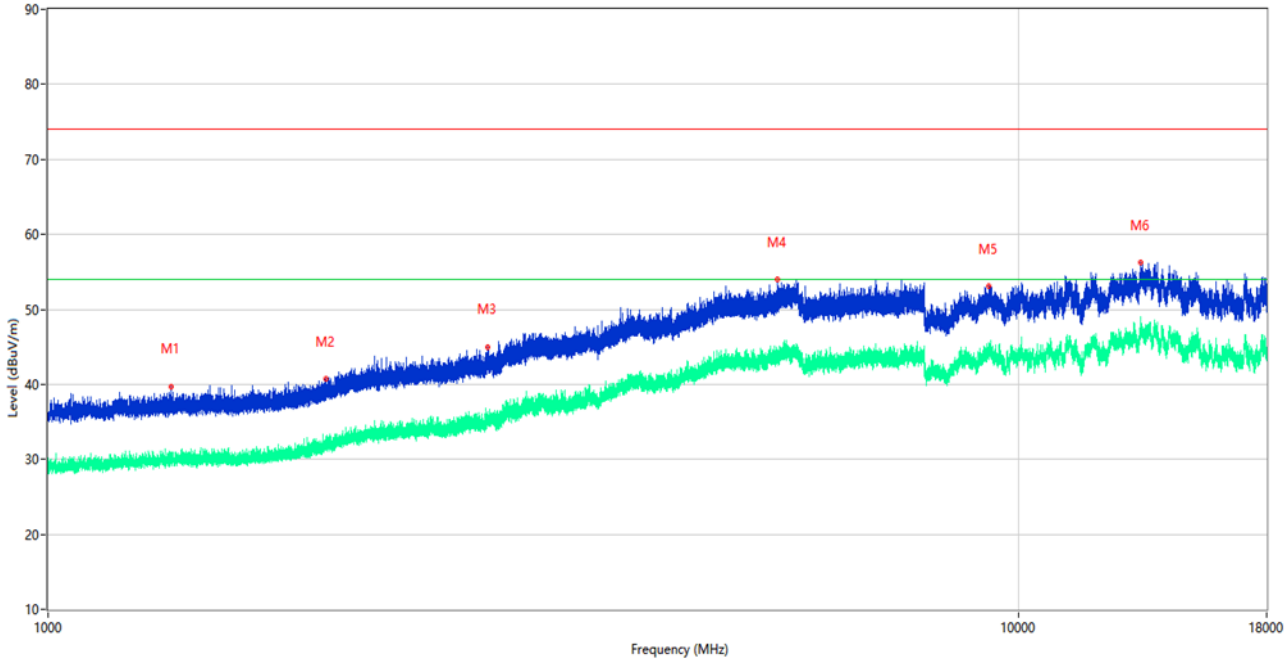
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.291	20.81	-28.42	40.0	19.19	Peak	134.00	100	Horizontal	Pass
2	60.700	26.31	-26.41	40.0	13.69	Peak	13.00	100	Horizontal	Pass
3	169.050	21.27	-29.01	43.5	22.23	Peak	350.00	200	Horizontal	Pass
4	320.418	32.13	-23.13	46.0	13.87	Peak	247.00	100	Horizontal	Pass
5	396.854	30.12	-21.07	46.0	15.88	Peak	37.00	100	Horizontal	Pass
6	552.006	30.14	-17.40	46.0	15.86	Peak	272.00	200	Horizontal	Pass

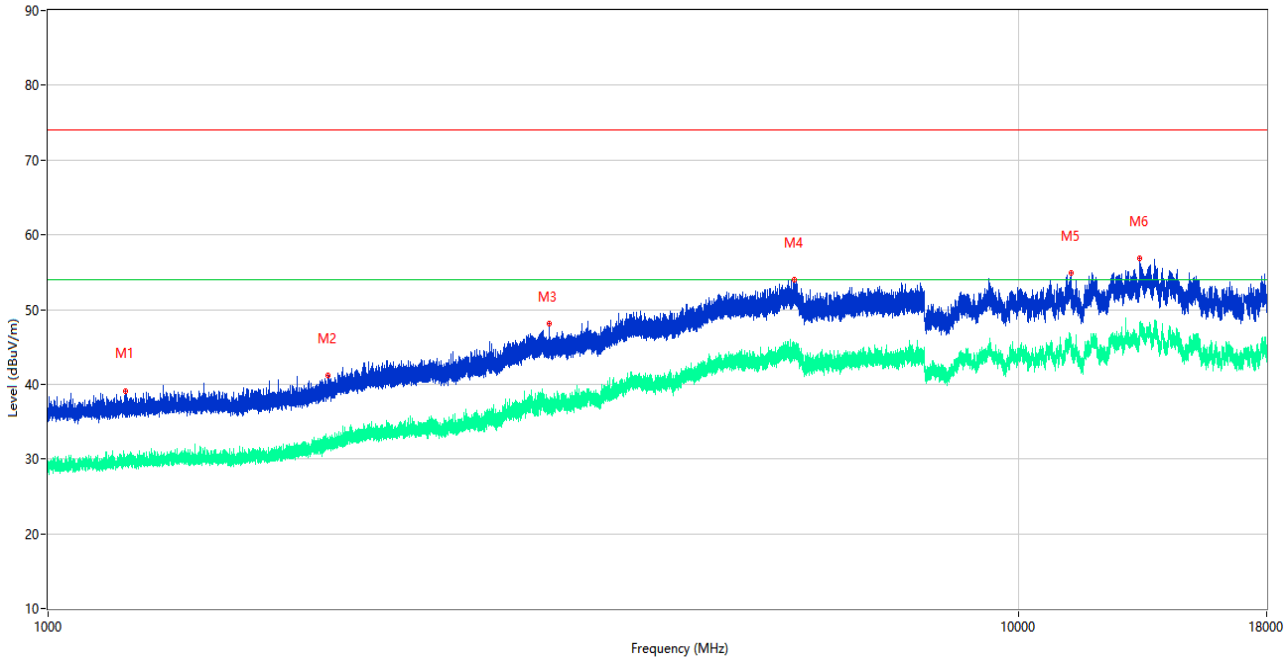
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	00883	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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1337.350	39.75	-15.55	74.0	34.25	Peak	252.00	100	Vertical	Pass
1**	1337.350	31.00	-15.55	54.0	23.00	AV	252.00	100	Vertical	Pass
2	1931.450	40.70	-13.38	74.0	33.30	Peak	256.00	100	Vertical	Pass
2**	1931.450	31.62	-13.38	54.0	22.38	AV	256.00	100	Vertical	Pass
3	2834.950	45.02	-8.29	74.0	28.98	Peak	275.00	100	Vertical	Pass
3**	2834.950	35.08	-8.29	54.0	18.92	AV	275.00	100	Vertical	Pass
4	5646.660	53.95	0.25	74.0	20.05	Peak	11.00	100	Vertical	Pass
4**	5646.660	43.40	0.25	54.0	10.60	AV	11.00	100	Vertical	Pass
5	9311.000	53.12	2.19	74.0	20.88	Peak	297.00	100	Vertical	Pass
5**	9311.000	44.85	2.19	54.0	9.15	AV	297.00	100	Vertical	Pass
6	13352.500	56.25	5.22	74.0	17.75	Peak	348.00	100	Vertical	Pass
6**	13352.500	47.70	5.22	54.0	6.30	AV	348.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz

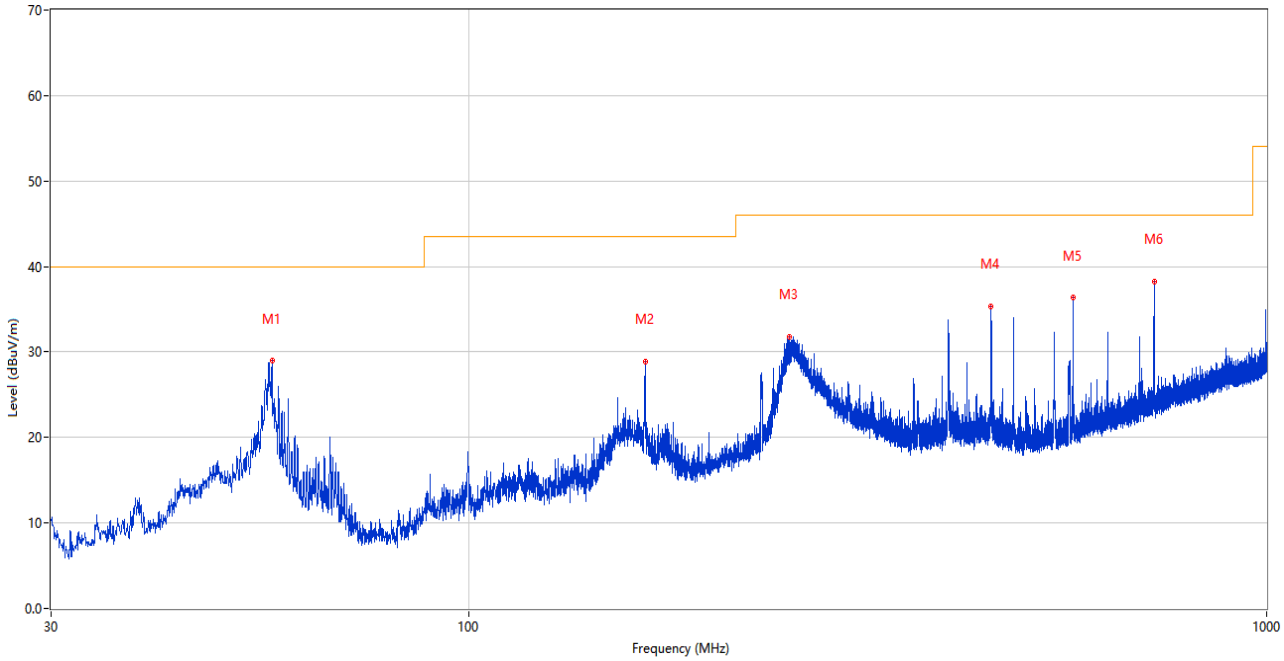


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.020	39.13	-15.76	74.0	34.87	Peak	358.00	100	Horizontal	Pass
1**	1202.020	29.43	-15.76	54.0	24.57	AV	358.00	100	Horizontal	Pass
2	1940.420	41.11	-13.60	74.0	32.89	Peak	349.00	100	Horizontal	Pass
2**	1940.420	31.64	-13.60	54.0	22.36	AV	349.00	100	Horizontal	Pass
3	3286.310	48.14	-6.17	74.0	25.86	Peak	252.00	100	Horizontal	Pass
3**	3286.310	36.55	-6.17	54.0	17.45	AV	252.00	100	Horizontal	Pass
4	5873.700	53.92	2.20	74.0	20.08	Peak	343.00	100	Horizontal	Pass
4**	5873.700	43.31	2.20	54.0	10.69	AV	343.00	100	Horizontal	Pass
5	11312.000	54.87	2.06	74.0	19.13	Peak	144.00	100	Horizontal	Pass
5**	11312.000	45.25	2.06	54.0	8.75	AV	144.00	100	Horizontal	Pass
6	13332.500	56.87	4.62	74.0	17.13	Peak	92.00	100	Horizontal	Pass
6**	13332.500	47.19	4.62	54.0	6.81	AV	92.00	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	SCHWARZBECK	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	/		☒

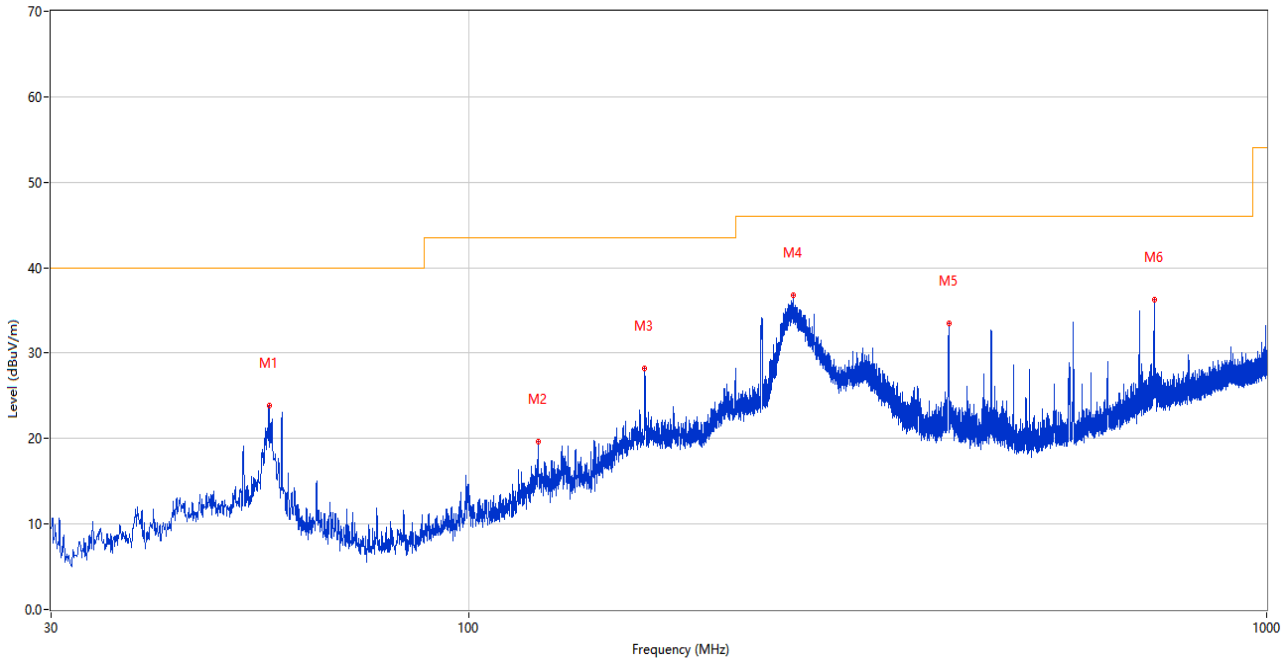
Test Mode 11

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	56.724	28.94	-26.40	40.0	11.06	Peak	81.00	100	Vertical	Pass
2	166.576	28.85	-29.04	43.5	14.65	Peak	18.00	100	Vertical	Pass
3	252.664	31.78	-24.98	46.0	14.22	Peak	153.00	200	Vertical	Pass
4	451.756	35.33	-19.84	46.0	10.67	Peak	142.00	200	Vertical	Pass
5	572.084	36.32	-16.91	46.0	9.68	Peak	130.00	100	Vertical	Pass
6	723.259	38.22	-13.52	46.0	7.78	Peak	128.00	200	Vertical	Pass

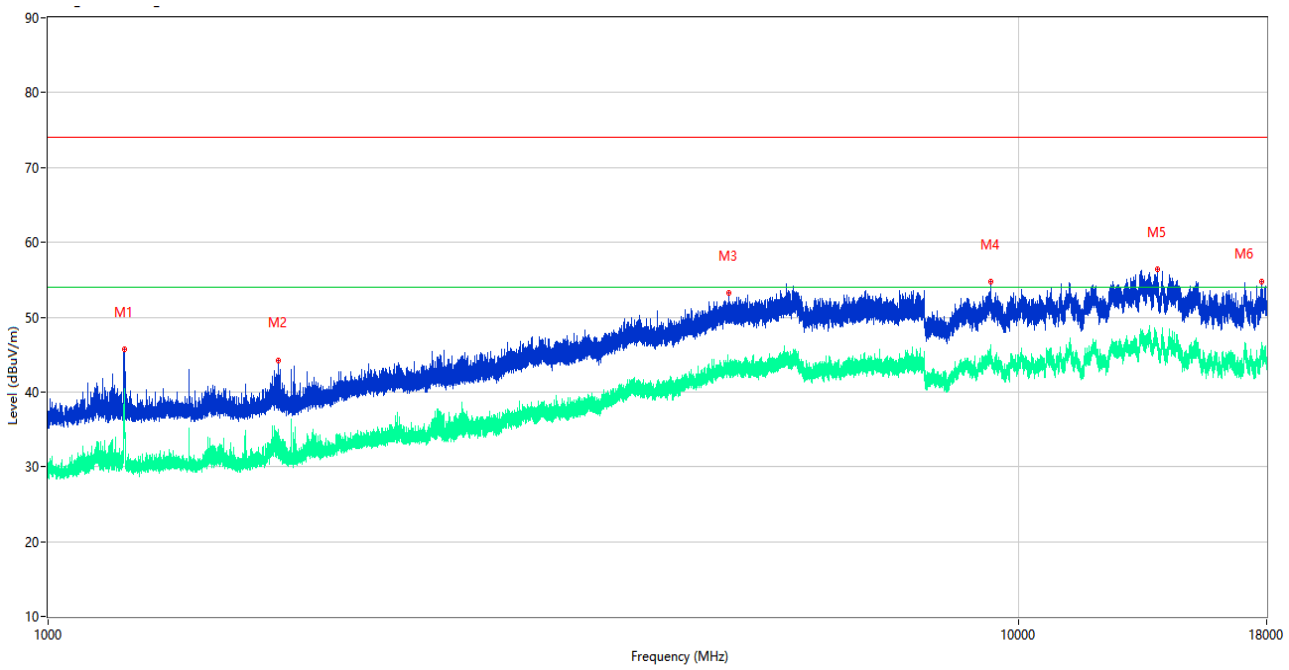
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	56.239	23.88	-26.37	40.0	16.12	Peak	18.00	200	Horizontal	Pass
2	122.441	19.64	-28.88	43.5	23.86	Peak	230.00	200	Horizontal	Pass
3	166.139	28.18	-29.06	43.5	15.32	Peak	32.00	200	Horizontal	Pass
4	255.331	36.77	-24.86	46.0	9.23	Peak	79.00	100	Horizontal	Pass
5	399.909	33.48	-21.08	46.0	12.52	Peak	235.00	100	Horizontal	Pass
6	723.016	36.27	-13.52	46.0	9.73	Peak	102.00	100	Horizontal	Pass

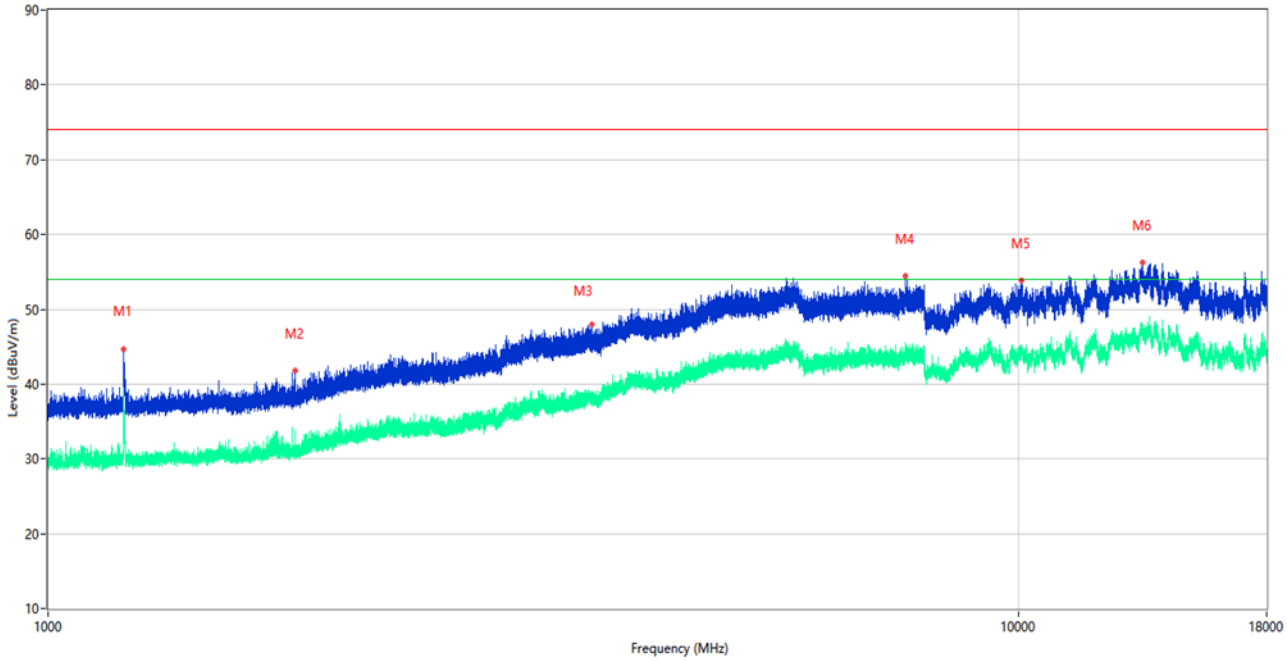
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	00883	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	1199.550	45.71	-15.77	74.0	28.29	Peak	215.00	100	Vertical	Pass
1**	1199.550	35.23	-15.77	54.0	18.77	AV	215.00	100	Vertical	Pass
2	1727.090	44.25	-15.48	74.0	29.75	Peak	215.00	100	Vertical	Pass
2**	1727.090	31.33	-15.48	54.0	22.67	AV	215.00	100	Vertical	Pass
3	5028.460	53.29	0.07	74.0	20.71	Peak	335.00	100	Vertical	Pass
3**	5028.460	43.01	0.07	54.0	10.99	AV	335.00	100	Vertical	Pass
4	9353.000	54.77	2.12	74.0	19.23	Peak	62.00	100	Vertical	Pass
4**	9353.000	43.92	2.12	54.0	10.08	AV	62.00	100	Vertical	Pass
5	13889.000	56.36	4.82	74.0	17.64	Peak	115.00	100	Vertical	Pass
5**	13889.000	46.01	4.82	54.0	7.99	AV	115.00	100	Vertical	Pass
6	17801.501	54.79	2.86	74.0	19.21	Peak	206.00	100	Vertical	Pass
6**	17801.501	45.93	2.86	54.0	8.07	AV	206.00	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	1196.040	44.70	-15.69	74.0	29.30	Peak	122.00	100	Horizontal	Pass
1**	1196.040	33.90	-15.69	54.0	20.10	AV	122.00	100	Horizontal	Pass
2	1795.080	41.78	-15.04	74.0	32.22	Peak	334.00	100	Horizontal	Pass
2**	1795.080	33.84	-15.04	54.0	20.16	AV	334.00	100	Horizontal	Pass
3	3634.760	47.96	-4.29	74.0	26.04	Peak	280.00	100	Horizontal	Pass
3**	3634.760	37.41	-4.29	54.0	16.59	AV	280.00	100	Horizontal	Pass
4	7640.960	54.42	0.89	74.0	19.58	Peak	326.00	100	Horizontal	Pass
4**	7640.960	43.97	0.89	54.0	10.03	AV	326.00	100	Horizontal	Pass
5	10057.000	53.86	2.46	74.0	20.14	Peak	65.00	100	Horizontal	Pass
5**	10057.000	44.55	2.46	54.0	9.45	AV	65.00	100	Horizontal	Pass
6	13397.000	56.19	4.92	74.0	17.81	Peak	26.00	100	Horizontal	Pass
6**	13397.000	47.59	4.92	54.0	6.41	AV	26.00	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	SCHWARZBECK	BBHA 9120D	01917	2022.06.09	2025.06.08	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

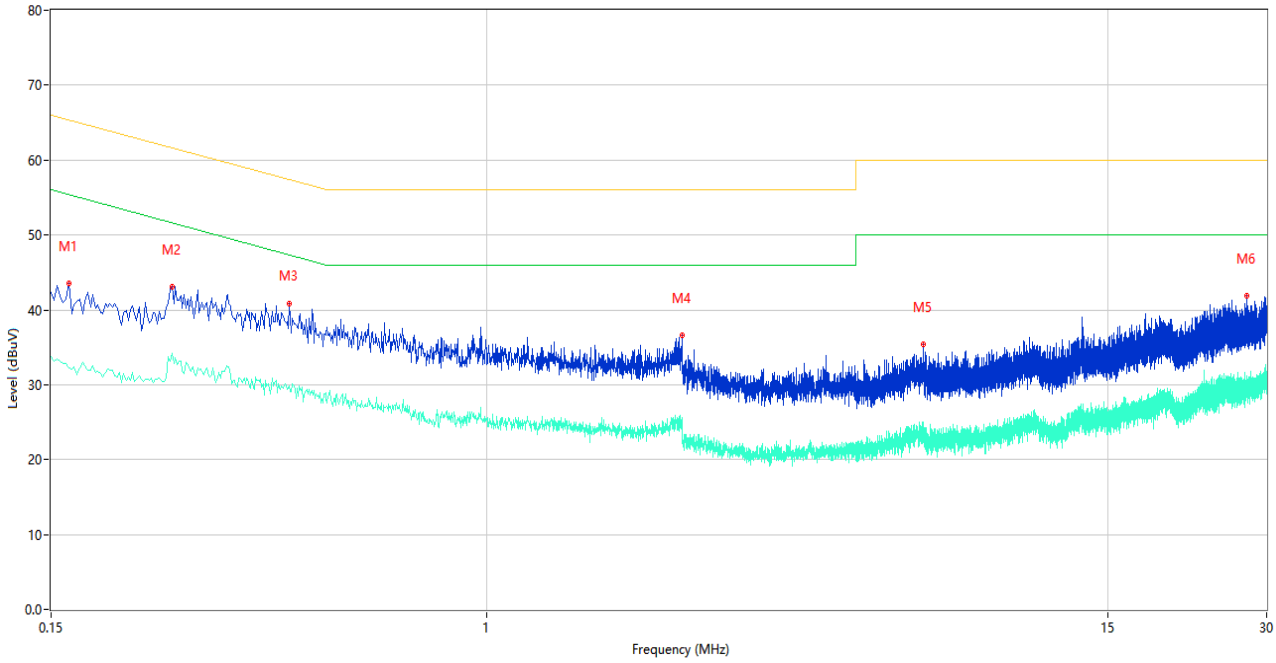
A.2 Conducted Emission, AC Ports

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

Sample No.	S02	Temperature	22.7℃
Humidity	41%RH	Pressure	101kPa
Test Engineer	Yagn yang	Test Date	2025.05.01

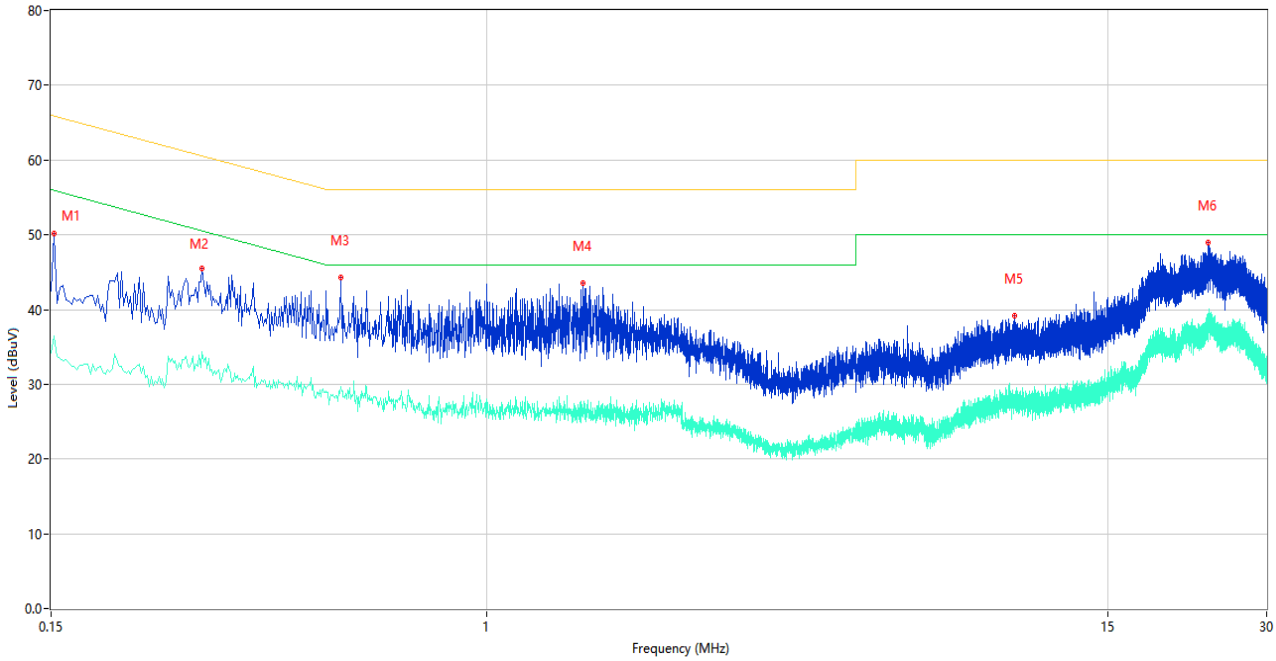
Test Mode 2

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	43.53	10.09	65.36	21.83	Peak	L	Pass
1**	0.162	32.27	10.09	55.36	23.09	AV	L	Pass
2	0.254	43.03	10.03	61.63	18.60	Peak	L	Pass
2**	0.254	34.21	10.03	51.63	17.42	AV	L	Pass
3	0.424	40.83	10.59	57.37	16.54	Peak	L	Pass
3**	0.424	29.90	10.59	47.37	17.47	AV	L	Pass
4	2.348	36.65	10.66	56.00	19.35	Peak	L	Pass
4**	2.348	25.26	10.66	46.00	20.74	AV	L	Pass
5	6.720	35.34	11.48	60.00	24.66	Peak	L	Pass
5**	6.720	23.70	11.48	50.00	26.30	AV	L	Pass
6	27.456	41.82	16.67	60.00	18.18	Peak	L	Pass
6**	27.456	29.40	16.67	50.00	20.60	AV	L	Pass

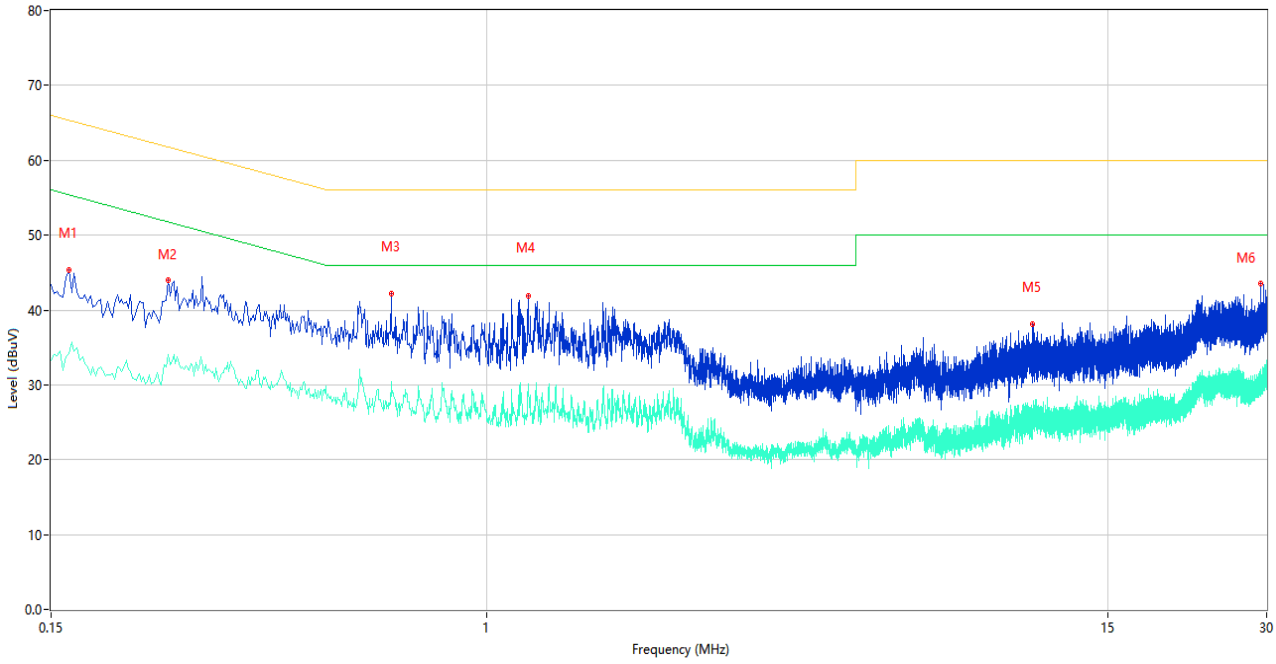
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	50.23	10.12	65.89	15.66	Peak	N	Pass
1**	0.152	36.40	10.12	55.89	19.49	AV	N	Pass
2	0.290	45.55	10.04	60.52	14.97	Peak	N	Pass
2**	0.290	34.31	10.04	50.52	16.21	AV	N	Pass
3	0.530	44.31	10.39	56.00	11.69	Peak	N	Pass
3**	0.530	29.62	10.39	46.00	16.38	AV	N	Pass
4	1.526	43.54	10.50	56.00	12.46	Peak	N	Pass
4**	1.526	25.56	10.50	46.00	20.44	AV	N	Pass
5	10.004	39.11	12.34	60.00	20.89	Peak	N	Pass
5**	10.004	28.68	12.34	50.00	21.32	AV	N	Pass
6	23.200	48.95	15.49	60.00	11.05	Peak	N	Pass
6**	23.200	38.26	15.49	50.00	11.74	AV	N	Pass

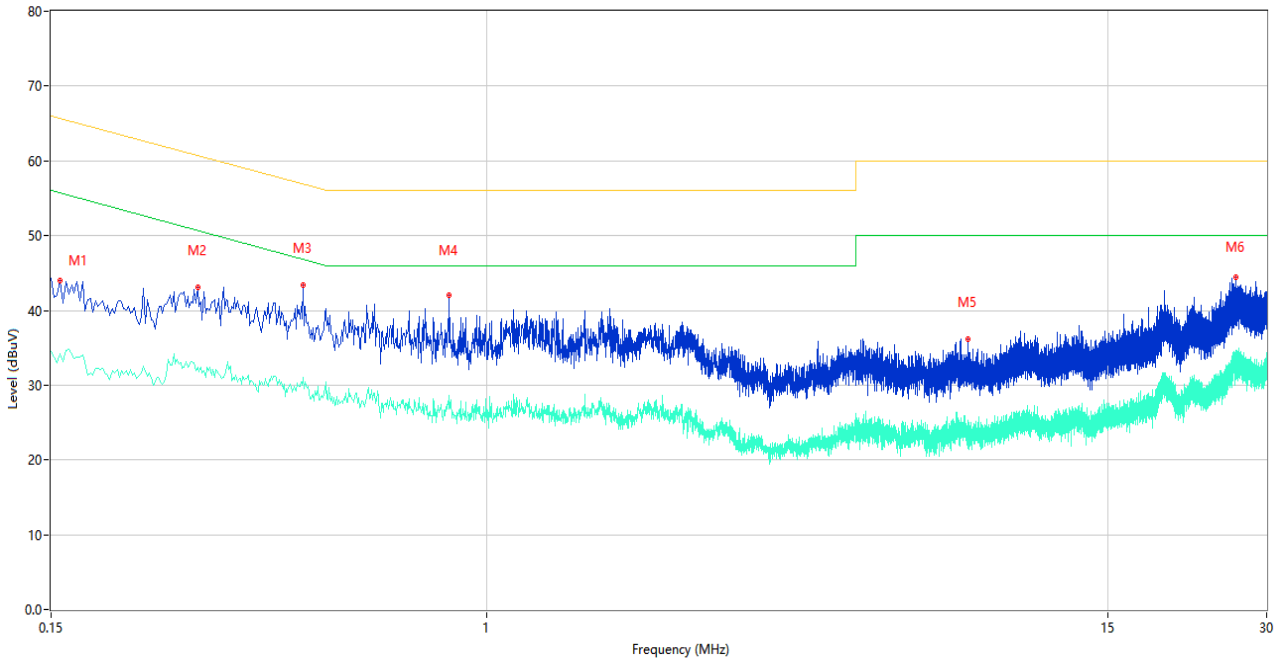
Test Mode 11

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	45.28	10.09	65.36	20.08	Peak	L	Pass
1**	0.162	34.20	10.09	55.36	21.16	AV	L	Pass
2	0.250	44.01	10.03	61.76	17.75	Peak	L	Pass
2**	0.250	34.06	10.03	51.76	17.70	AV	L	Pass
3	0.660	42.11	10.39	56.00	13.89	Peak	L	Pass
3**	0.660	30.36	10.39	46.00	15.64	AV	L	Pass
4	1.200	41.84	10.76	56.00	14.16	Peak	L	Pass
4**	1.200	30.12	10.76	46.00	15.88	AV	L	Pass
5	10.832	38.16	12.55	60.00	21.84	Peak	L	Pass
5**	10.832	25.71	12.55	50.00	24.29	AV	L	Pass
6	29.252	43.49	17.26	60.00	16.51	Peak	L	Pass
6**	29.252	32.14	17.26	50.00	17.86	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	43.96	10.11	65.67	21.71	Peak	N	Pass
1**	0.156	34.27	10.11	55.67	21.40	AV	N	Pass
2	0.284	43.13	10.04	60.70	17.57	Peak	N	Pass
2**	0.284	32.45	10.04	50.70	18.25	AV	N	Pass
3	0.450	43.38	10.55	56.88	13.50	Peak	N	Pass
3**	0.450	30.98	10.55	46.88	15.90	AV	N	Pass
4	0.850	42.06	10.65	56.00	13.94	Peak	N	Pass
4**	0.850	28.65	10.65	46.00	17.35	AV	N	Pass
5	8.160	36.15	11.89	60.00	23.85	Peak	N	Pass
5**	8.160	25.39	11.89	50.00	24.61	AV	N	Pass
6	26.212	44.43	16.48	60.00	15.57	Peak	N	Pass
6**	26.212	34.18	16.48	50.00	15.82	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-SZ2541436-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2541436-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2541436-AI.PDF”.

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--END OF REPORT--