

TEST REPORT

Applicant: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address: NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China
Equipment Type: Mobile Phone
Model Name: CPH2819
Brand Name: OPPO
FCC ID R9C-OP25249
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Aug. 20, 2025
Test Date: Sep. 01, 2025 - Sep. 19, 2025
Date of Issue: Sep. 30, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Qiu Yongjing**Checked by:** Zong Liyao**Approved by:** Tolan Tu
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Sep. 30, 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	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2819
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 15.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	SC-SZ2580363: S12
IMEI Number	SC-SZ2580363-S12: IMEI1: 869020080019654; IMEI2: 869020080019647

2.4 Ancillary Equipment

Please refer the document "BL-SZ2580860-AW EUT external photo.pdf".

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1900 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA Band 2/4/5/8 4G Network FDD LTE Band 2/4/5/7/8/13/18/19/26/28/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GNSS, FM Receiver
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	N/A	N/A	N/A	N/A	N/A	☒
Data connector	N/A	N/A	N/A	N/A	N/A	☒
USB disk	N/A	N/A	N/A	N/A	N/A	☒
TF Card	N/A	N/A	N/A	N/A	N/A	☒
Earphone	N/A	N/A	N/A	N/A	N/A	☒
Type-C Earphone	N/A	N/A	N/A	N/A	N/A	☒
Wireless Communications Test Set	R&S	CMW500	102318	N/A	Cal. Due 2026.05.27	☒

4.2 Test Configurations

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

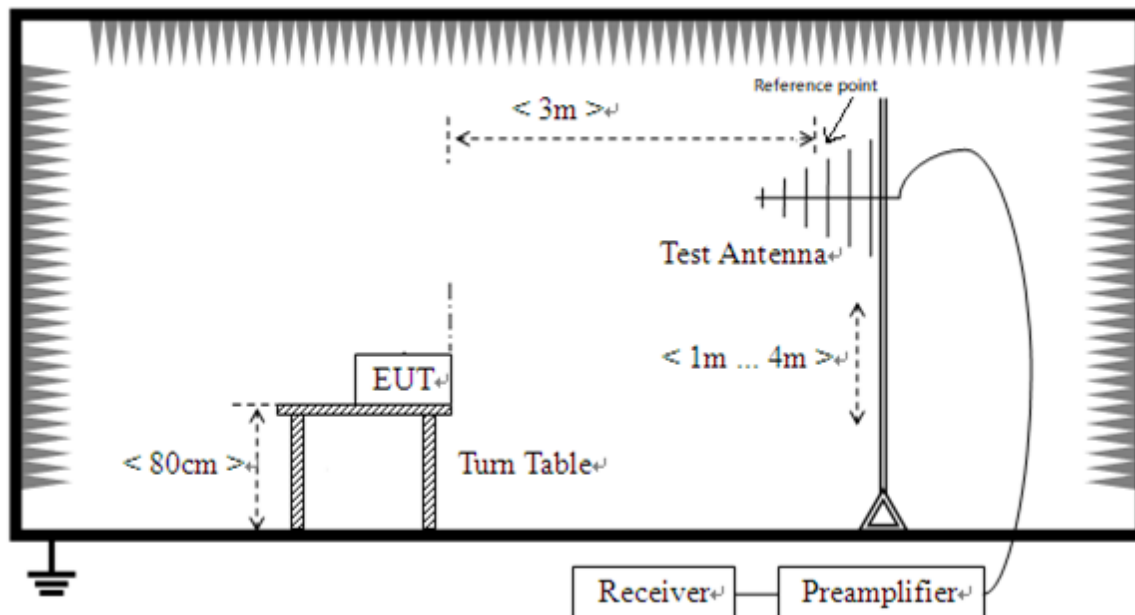
Test Mode Configuration	Description
Mode 1	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Headset
Mode 2	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Headset
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Headset
Mode 4	<u>The Charging Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Headset
Mode 5	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop + TF Card + Headset
Mode 6	<u>The OTG Test Mode</u> EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 7	<u>The Type-C Earphone Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Type-C Earphone
Mode 8	<u>The GSM 850 RX Test Mode</u> GSM 850 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 9	<u>The GSM 900 RX Test Mode</u> GSM 900 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 10	<u>The WCDMA Band 5 RX Test Mode</u>

	WCDMA Band 5 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 11	<u>The WCDMA Band 8 RX Test Mode</u> WCDMA Band 8 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 12	<u>The WCDMA Band 19 RX Test Mode</u> WCDMA Band 19 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 13	<u>The LTE Band 5 RX Test Mode</u> LTE Band 5 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 14	<u>The LTE Band 8 RX Test Mode</u> LTE Band 8 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 15	<u>The LTE Band 12 RX Test Mode</u> LTE Band 12 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 16	<u>The LTE Band 13 RX Test Mode</u> LTE Band 13 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 17	<u>The LTE Band 17 RX Test Mode</u> LTE Band 17 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 18	<u>The LTE Band 18 RX Test Mode</u> LTE Band 18 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 19	<u>The LTE Band 19 RX Test Mode</u> LTE Band 19 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 20	<u>The LTE Band 26 RX Test Mode</u> LTE Band 26 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 21	<u>The LTE Band 28 RX Test Mode</u> LTE Band 28 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset

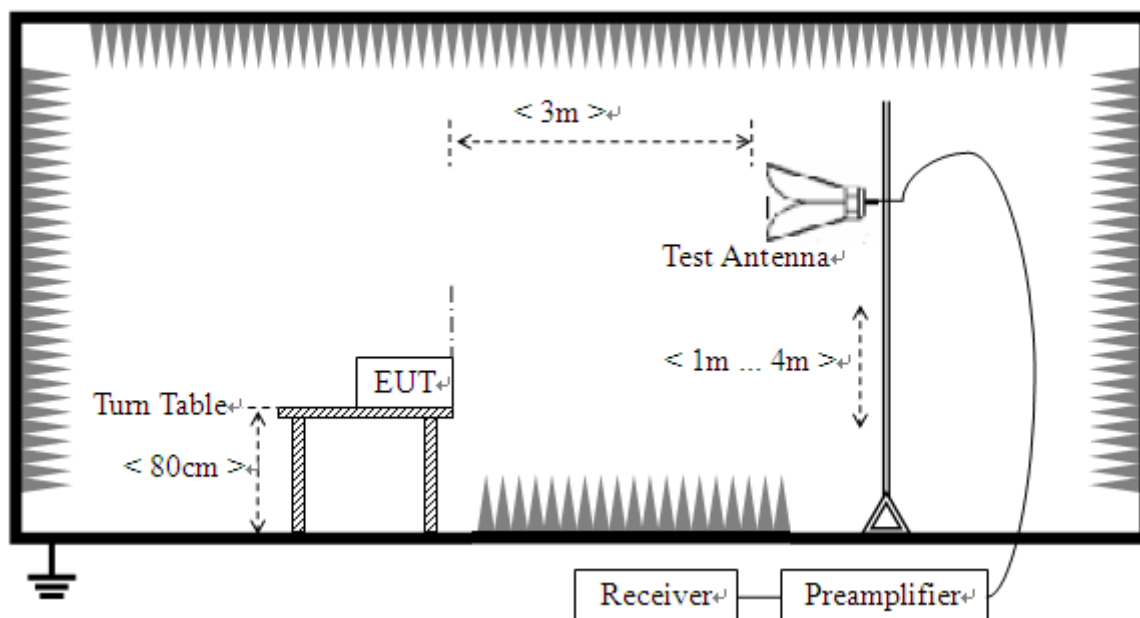
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 21	4
Conducted Emission, AC Ports	Mode 1~Mode 5 Mode 8~Mode 21	3
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

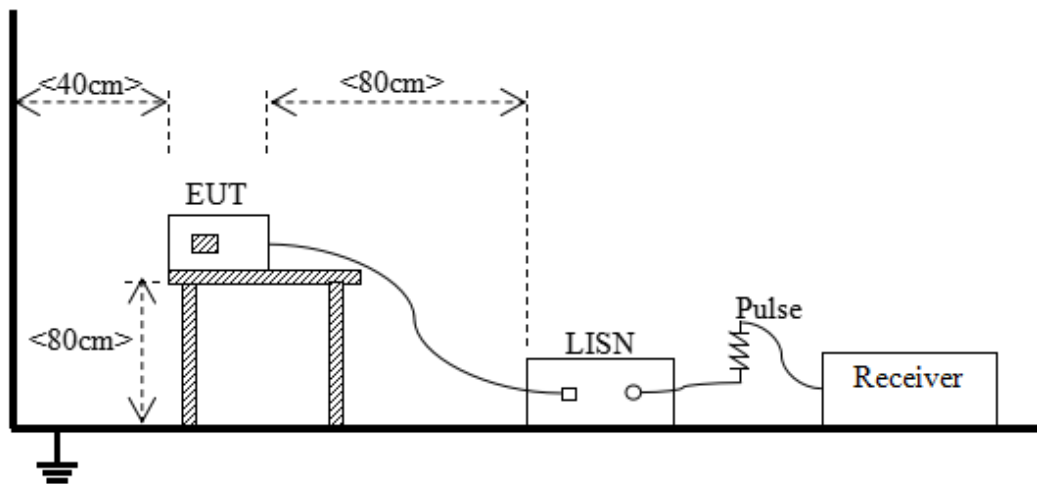
Test Setup 1



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.

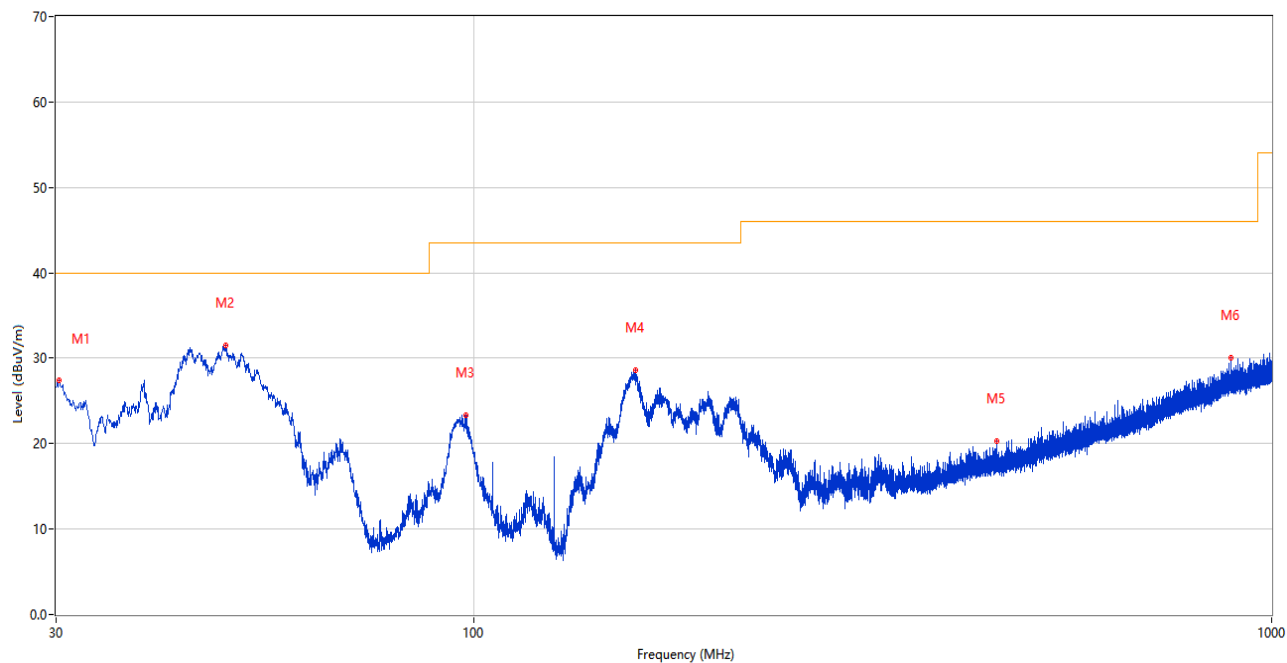
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.	S12	Temperature	22.3℃
Humidity	55%RH	Pressure	101kPa
Test Engineer	Ye Guangqi	Test Date	2025.09.01

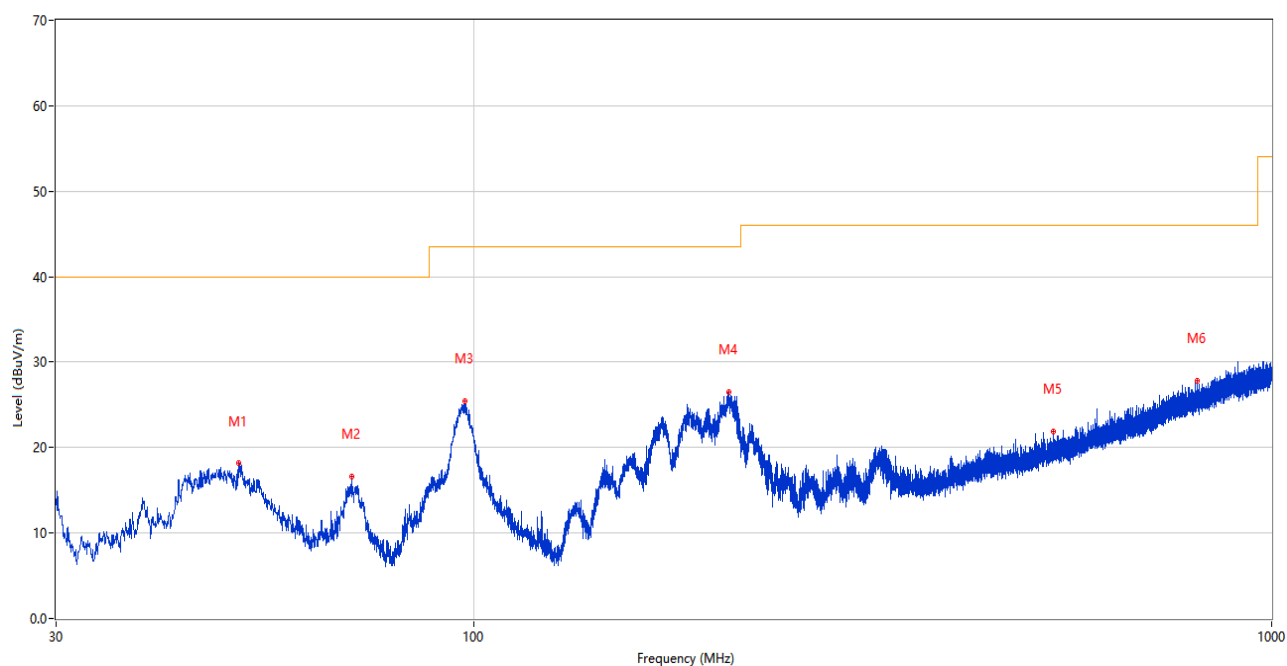
Test Mode 4

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	30.242	27.45	-28.33	40.0	12.55	Peak	316.00	100	Vertical	Pass
2	48.964	31.49	-25.64	40.0	8.51	Peak	195.00	100	Vertical	Pass
3	97.949	23.32	-26.86	43.5	20.18	Peak	357.00	100	Vertical	Pass
4	159.786	28.66	-29.66	43.5	14.84	Peak	258.00	100	Vertical	Pass
5	453.017	20.27	-19.81	46.0	25.73	Peak	237.00	100	Vertical	Pass
6	889.614	30.08	-10.04	46.0	15.92	Peak	211.00	100	Vertical	Pass

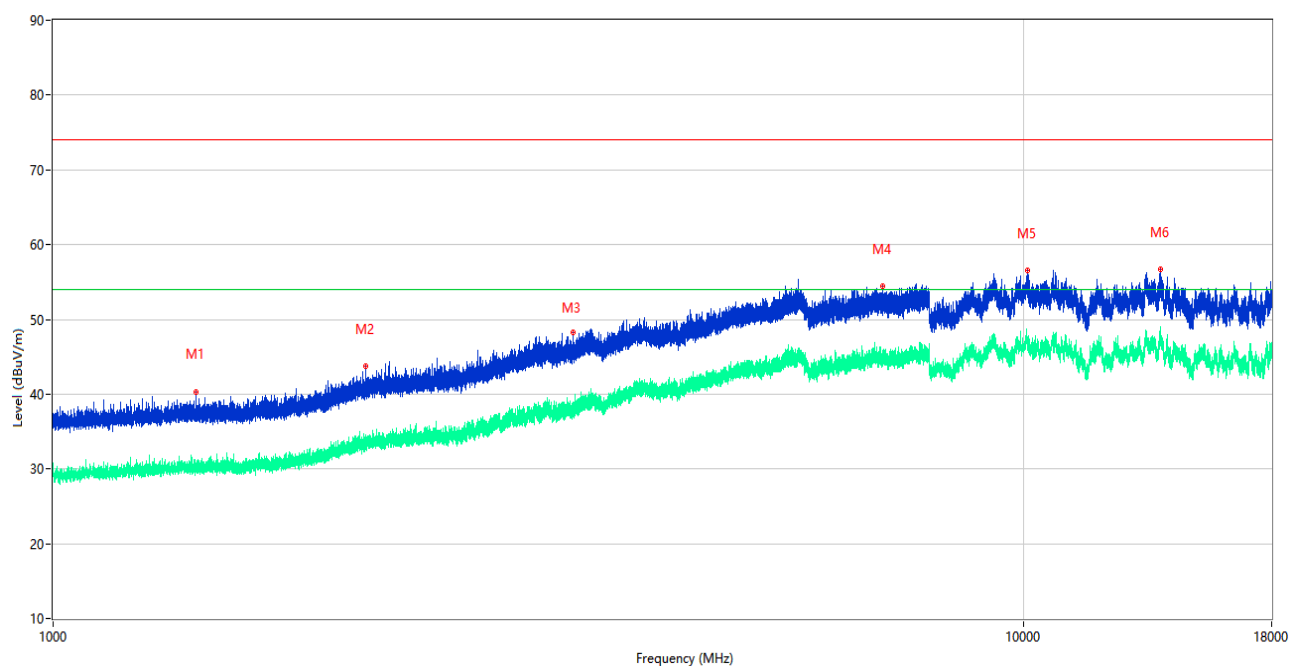
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.758	18.13	-24.95	40.0	21.87	Peak	74.00	100	Horizontal	Pass
2	70.400	16.59	-29.65	40.0	23.41	Peak	149.00	200	Horizontal	Pass
3	97.706	25.42	-26.95	43.5	18.08	Peak	260.00	200	Horizontal	Pass
4	208.916	26.49	-26.53	43.5	17.01	Peak	359.00	200	Horizontal	Pass
5	532.460	21.89	-17.76	46.0	24.11	Peak	245.00	200	Horizontal	Pass
6	806.873	27.85	-11.59	46.0	18.15	Peak	231.00	200	Horizontal	Pass

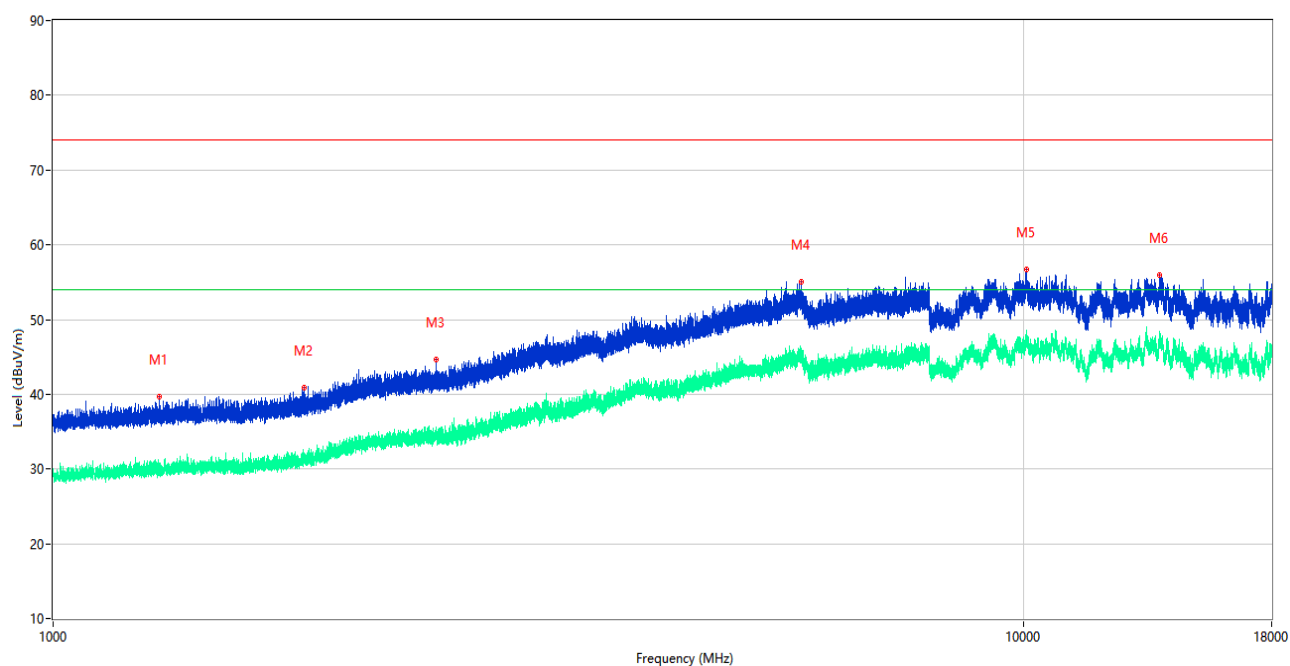
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2025.06.17	2026.06.16	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	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	1404.040	40.35	-15.24	74.0	33.65	Peak	56.00	100	Vertical	Pass
1**	1404.040	30.59	-15.24	54.0	23.41	AV	56.00	100	Vertical	Pass
2	2100.840	43.79	-12.54	74.0	30.21	Peak	47.00	100	Vertical	Pass
2**	2100.840	34.54	-12.54	54.0	19.46	AV	47.00	100	Vertical	Pass
3	3429.050	48.31	-5.23	74.0	25.69	Peak	184.00	100	Vertical	Pass
3**	3429.050	37.49	-5.23	54.0	16.51	AV	184.00	100	Vertical	Pass
4	7160.040	54.39	0.59	74.0	19.61	Peak	165.00	100	Vertical	Pass
4**	7160.040	45.42	0.59	54.0	8.58	AV	165.00	100	Vertical	Pass
5	10076.500	56.60	4.65	74.0	17.40	Peak	130.00	100	Vertical	Pass
5**	10076.500	46.97	4.65	54.0	7.03	AV	130.00	100	Vertical	Pass
6	13830.000	56.72	5.48	74.0	17.28	Peak	143.00	100	Vertical	Pass
6**	13830.000	47.39	5.48	54.0	6.61	AV	143.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz



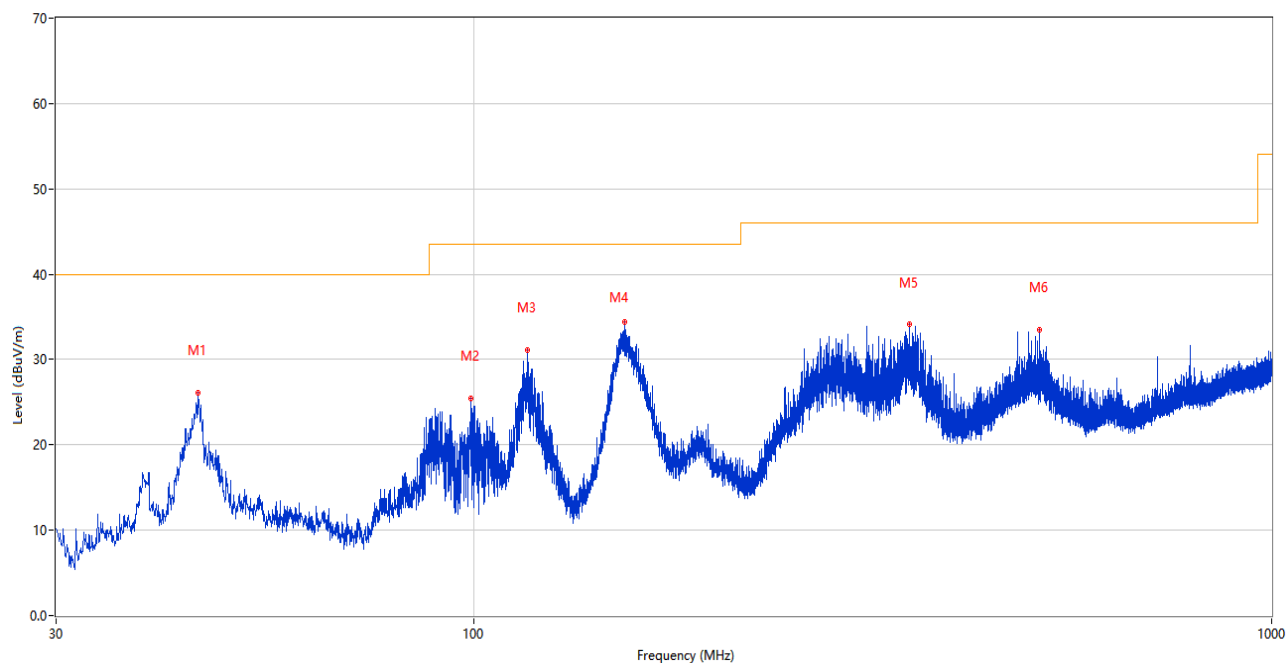
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.130	39.72	-15.53	74.0	34.28	Peak	108.00	100	Horizontal	Pass
1**	1286.130	30.11	-15.53	54.0	23.89	AV	108.00	100	Horizontal	Pass
2	1815.620	40.93	-14.65	74.0	33.07	Peak	0.00	100	Horizontal	Pass
2**	1815.620	31.58	-14.65	54.0	22.42	AV	0.00	100	Horizontal	Pass
3	2481.870	44.59	-9.71	74.0	29.41	Peak	294.00	100	Horizontal	Pass
3**	2481.870	34.75	-9.71	54.0	19.25	AV	294.00	100	Horizontal	Pass
4	5896.580	54.99	2.96	74.0	19.01	Peak	298.00	100	Horizontal	Pass
4**	5896.580	46.03	2.96	54.0	7.97	AV	298.00	100	Horizontal	Pass
5	10057.000	56.72	5.19	74.0	17.28	Peak	153.00	100	Horizontal	Pass
5**	10057.000	47.80	5.19	54.0	6.20	AV	153.00	100	Horizontal	Pass
6	13789.500	55.99	5.25	74.0	18.01	Peak	114.00	100	Horizontal	Pass
6**	13789.500	46.36	5.25	54.0	7.64	AV	114.00	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	2025.06.17	2026.06.16	☒
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	2025.05.20	2028.05.19	☒
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	/		☒

Sample No.	S12	Temperature	22.3°C
Humidity	55%RH	Pressure	101kPa
Test Engineer	Ye Guangqi	Test Date	2025.09.19

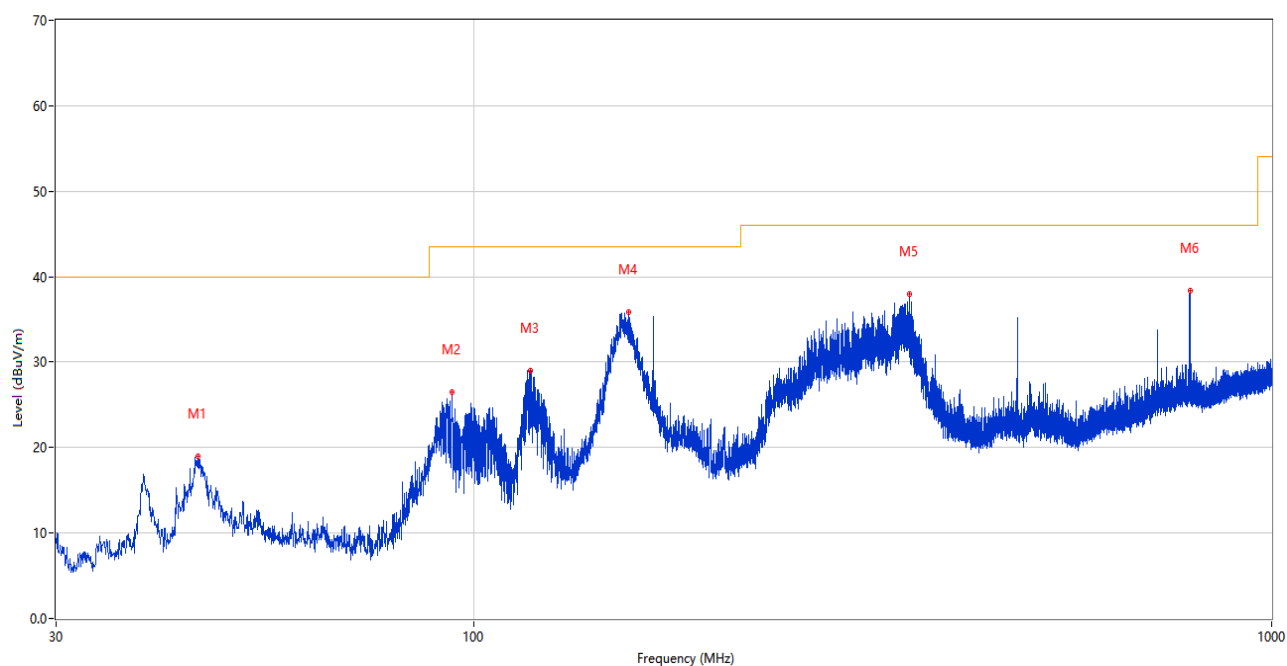
Test Mode 5

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	45.229	26.14	-25.99	40.0	13.86	Peak	85.00	100	Vertical	Pass
2	99.355	25.45	-26.77	43.5	18.05	Peak	360.00	100	Vertical	Pass
3	116.864	31.11	-27.52	43.5	12.39	Peak	22.00	100	Vertical	Pass
4	154.548	34.41	-29.97	43.5	9.09	Peak	261.00	200	Vertical	Pass
5	351.894	34.08	-21.81	46.0	11.92	Peak	174.00	100	Vertical	Pass
6	511.508	33.45	-18.38	46.0	12.55	Peak	170.00	200	Vertical	Pass

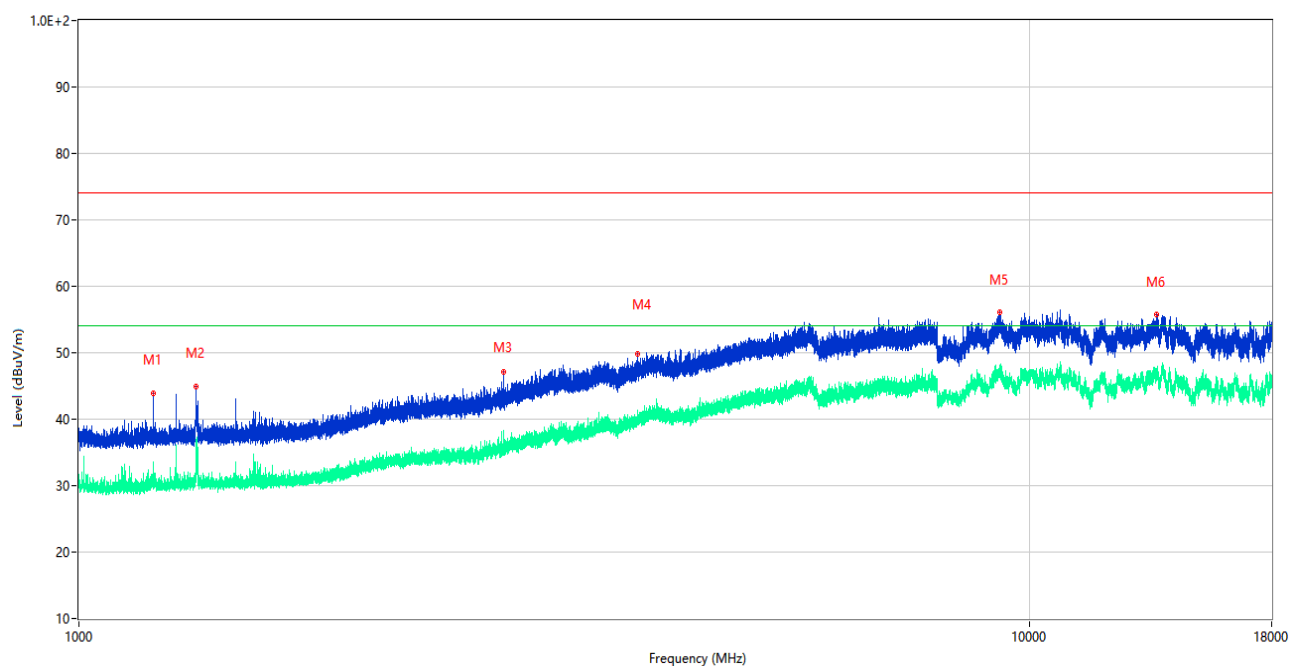
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.229	19.04	-25.99	40.0	20.96	Peak	170.00	200	Horizontal	Pass
2	93.971	26.46	-27.52	43.5	17.04	Peak	104.00	200	Horizontal	Pass
3	117.737	29.02	-27.98	43.5	14.48	Peak	84.00	200	Horizontal	Pass
4	156.342	35.89	-29.84	43.5	7.61	Peak	194.00	200	Horizontal	Pass
5	351.555	37.92	-21.84	46.0	8.08	Peak	107.00	100	Horizontal	Pass
6	790.383	38.37	-11.89	46.0	7.63	Peak	107.00	100	Horizontal	Pass

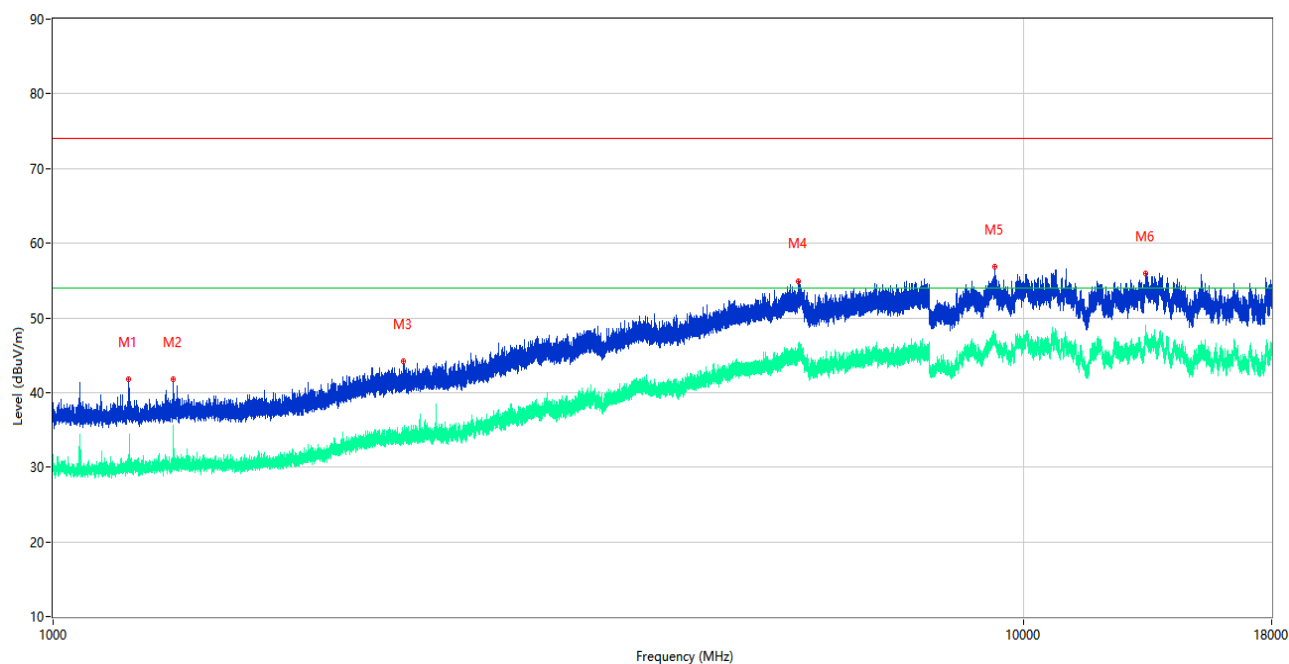
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2025.06.17	2026.06.16	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	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	1197.470	43.98	-15.66	74.0	30.02	Peak	103.00	100	Vertical	Pass
1**	1197.470	33.53	-15.66	54.0	20.47	AV	103.00	100	Vertical	Pass
2	1328.120	44.96	-15.59	74.0	29.04	Peak	188.00	100	Vertical	Pass
2**	1328.120	35.00	-15.59	54.0	19.00	AV	188.00	100	Vertical	Pass
3	2798.550	47.16	-8.00	74.0	26.84	Peak	216.00	100	Vertical	Pass
3**	2798.550	35.38	-8.00	54.0	18.62	AV	216.00	100	Vertical	Pass
4	3874.340	49.80	-1.79	74.0	24.20	Peak	360.00	100	Vertical	Pass
4**	3874.340	40.76	-1.79	54.0	13.24	AV	360.00	100	Vertical	Pass
5	9325.000	56.18	4.60	74.0	17.82	Peak	219.00	100	Vertical	Pass
5**	9325.000	47.74	4.60	54.0	6.26	AV	219.00	100	Vertical	Pass
6	13624.001	55.74	4.41	74.0	18.26	Peak	297.00	100	Vertical	Pass
6**	13624.001	46.39	4.41	54.0	7.61	AV	297.00	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	1197.210	41.78	-15.66	74.0	32.22	Peak	263.00	100	Horizontal	Pass
1**	1197.210	29.85	-15.66	54.0	24.15	AV	263.00	100	Horizontal	Pass
2	1330.330	41.81	-15.61	74.0	32.19	Peak	70.00	100	Horizontal	Pass
2**	1330.330	30.64	-15.61	54.0	23.36	AV	70.00	100	Horizontal	Pass
3	2294.410	44.15	-11.64	74.0	29.85	Peak	182.00	100	Horizontal	Pass
3**	2294.410	34.19	-11.64	54.0	19.81	AV	182.00	100	Horizontal	Pass
4	5859.180	54.95	3.06	74.0	19.05	Peak	242.00	100	Horizontal	Pass
4**	5859.180	46.15	3.06	54.0	7.85	AV	242.00	100	Horizontal	Pass
5	9324.500	56.81	4.60	74.0	17.19	Peak	245.00	100	Horizontal	Pass
5**	9324.500	47.44	4.60	54.0	6.56	AV	245.00	100	Horizontal	Pass
6	13343.500	56.00	5.01	74.0	18.00	Peak	205.00	100	Horizontal	Pass
6**	13343.500	47.68	5.01	54.0	6.32	AV	205.00	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	2025.06.17	2026.06.16	☒
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	2025.05.20	2028.05.19	☒
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	/		☒

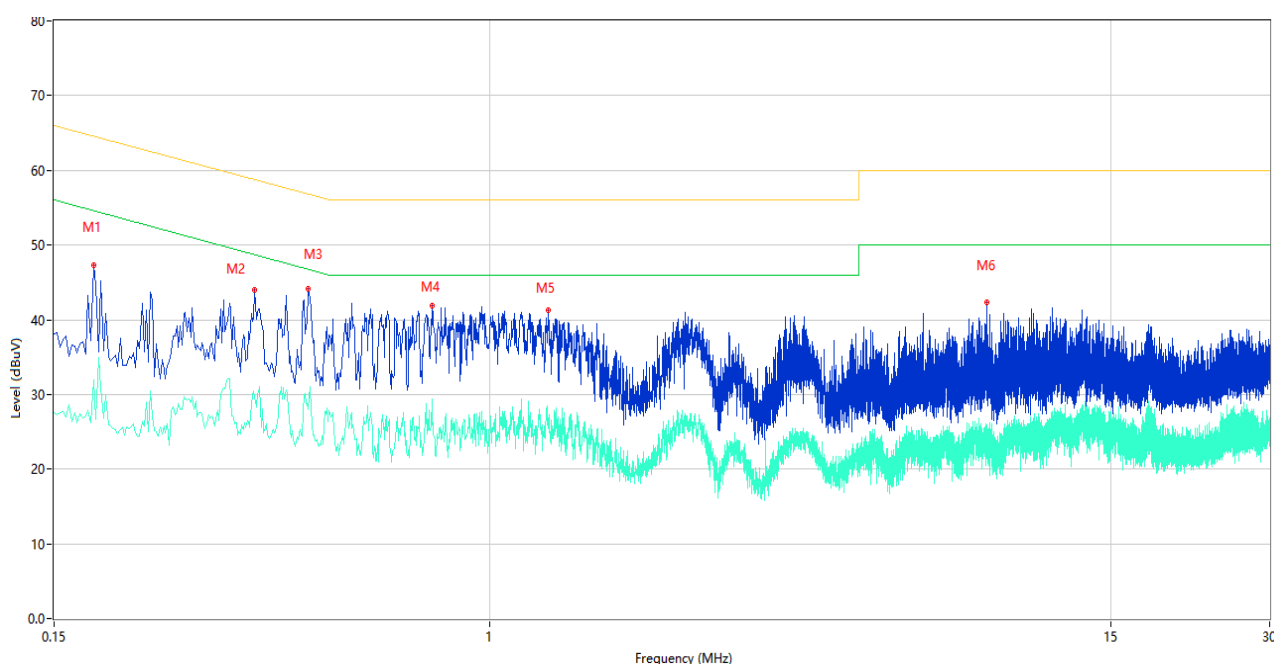
A.2 Conducted Emission, AC Ports

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.	S12	Temperature	22.3℃
Humidity	55%RH	Pressure	101kPa
Test Engineer	Yang Panxia	Test Date	2025.09.01

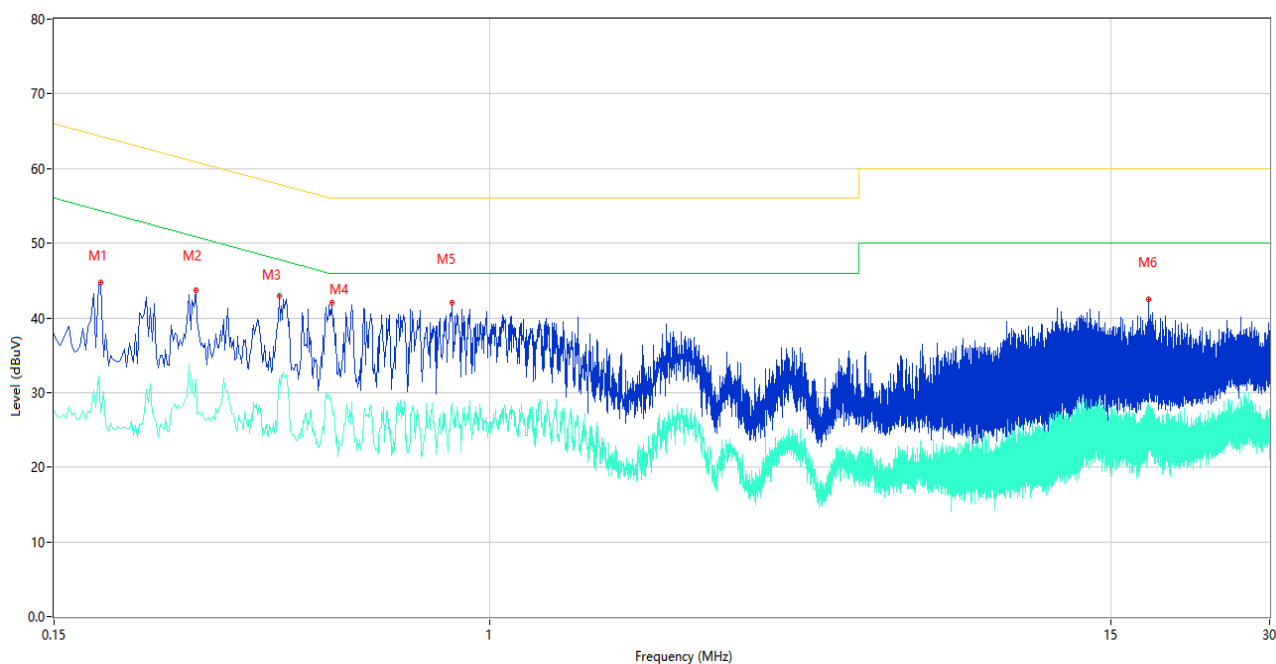
Test Mode 3

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.178	47.27	10.29	64.58	17.31	Peak	L	Pass
1**	0.178	31.92	10.29	54.58	22.66	AV	L	Pass
2	0.360	44.02	10.26	58.73	14.71	Peak	L	Pass
2**	0.360	29.67	10.26	48.73	19.06	AV	L	Pass
3	0.454	44.07	10.27	56.80	12.73	Peak	L	Pass
3**	0.454	28.01	10.27	46.80	18.79	AV	L	Pass
4	0.778	41.84	10.30	56.00	14.16	Peak	L	Pass
4**	0.778	29.39	10.30	46.00	16.61	AV	L	Pass
5	1.294	41.26	10.36	56.00	14.74	Peak	L	Pass
5**	1.294	25.43	10.36	46.00	20.57	AV	L	Pass
6	8.744	42.29	11.60	60.00	17.71	Peak	L	Pass
6**	8.744	25.27	11.60	50.00	24.73	AV	L	Pass

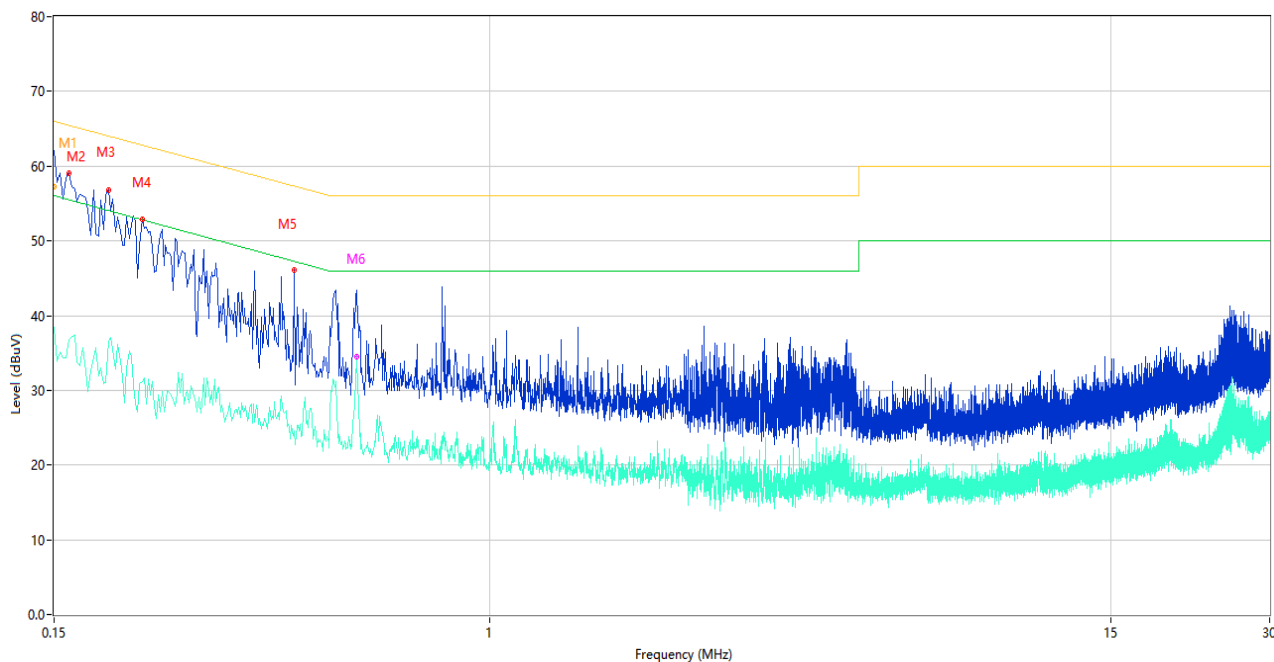
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.184	44.72	10.28	64.30	19.58	Peak	N	Pass
1**	0.184	27.29	10.28	54.30	27.01	AV	N	Pass
2	0.278	43.71	10.26	60.88	17.17	Peak	N	Pass
2**	0.278	31.76	10.26	50.88	19.12	AV	N	Pass
3	0.400	42.98	10.26	57.85	14.87	Peak	N	Pass
3**	0.400	31.87	10.26	47.85	15.98	AV	N	Pass
4	0.504	42.05	10.28	56.00	13.95	Peak	N	Pass
4**	0.504	27.93	10.28	46.00	18.07	AV	N	Pass
5	0.850	42.04	10.31	56.00	13.96	Peak	N	Pass
5**	0.850	28.69	10.31	46.00	17.31	AV	N	Pass
6	17.728	42.47	13.85	60.00	17.53	Peak	N	Pass
6**	17.728	22.09	13.85	50.00	27.91	AV	N	Pass

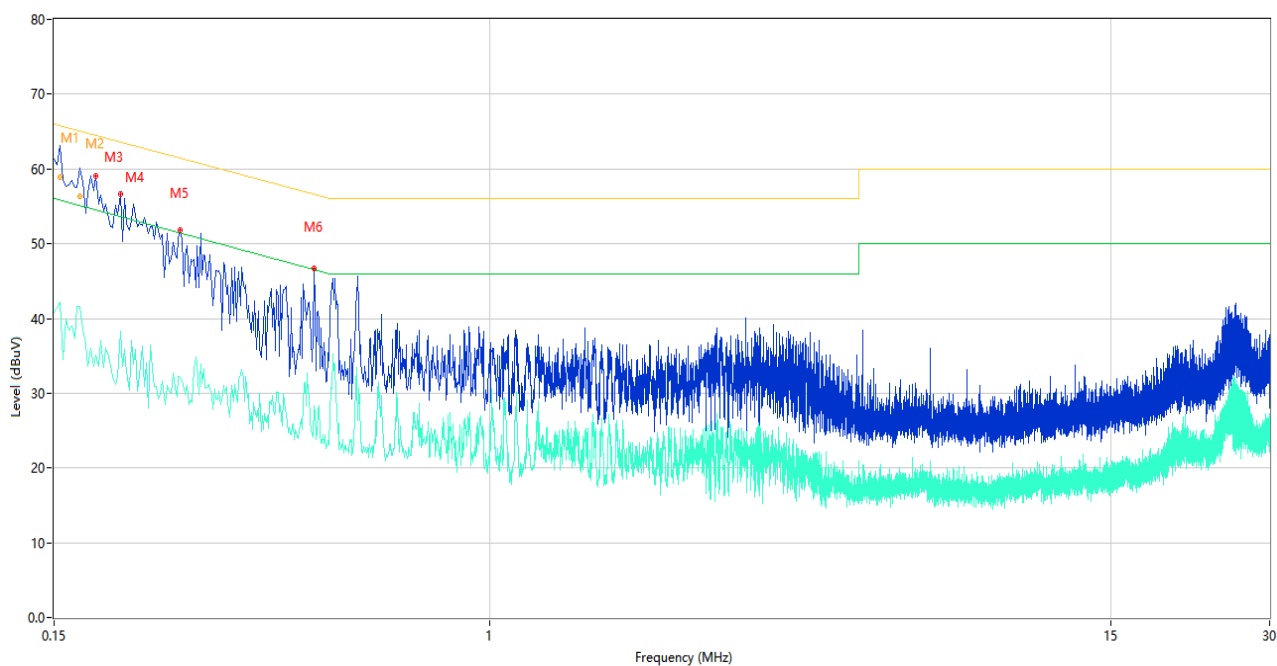
Test Mode 5

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	65.12	10.30	66.00	0.88	Peak	L	Pass
1*	0.150	57.27	10.30	66.00	8.73	QP	L	Pass
1**	0.150	38.38	10.30	56.00	17.62	AV	L	Pass
2	0.160	59.03	10.30	65.46	6.43	Peak	L	Pass
2**	0.160	36.69	10.30	55.46	18.77	AV	L	Pass
3	0.190	56.82	10.28	64.04	7.22	Peak	L	Pass
3**	0.190	36.58	10.28	54.04	17.46	AV	L	Pass
4	0.220	52.89	10.27	62.82	9.93	Peak	L	Pass
4**	0.220	31.25	10.27	52.82	21.57	AV	L	Pass
5	0.428	46.06	10.26	57.29	11.23	Peak	L	Pass
5**	0.428	24.59	10.26	47.29	22.70	AV	L	Pass
6	0.562	41.71	10.28	56.00	14.29	Peak	L	Pass
6**	0.562	34.44	10.28	46.00	11.56	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	65.50	10.30	65.78	0.28	Peak	N	N/A
1*	0.154	58.93	10.30	65.78	6.85	QP	N	Pass
1**	0.154	42.18	10.30	55.78	13.60	AV	N	Pass
2	0.168	62.36	10.29	65.06	2.70	Peak	N	N/A
2*	0.168	56.37	10.29	65.06	8.69	QP	N	Pass
2**	0.168	41.55	10.29	55.06	13.51	AV	N	Pass
3	0.180	58.36	10.28	64.49	6.13	Peak	N	Pass
3**	0.180	35.15	10.28	54.49	19.34	AV	N	Pass
4	0.200	56.65	10.27	63.61	6.96	Peak	N	Pass
4**	0.200	38.27	10.27	53.61	15.34	AV	N	Pass
5	0.260	51.84	10.26	61.43	9.59	Peak	N	Pass
5**	0.260	32.06	10.26	51.43	19.37	AV	N	Pass
6	0.466	46.64	10.27	56.58	9.94	Peak	N	Pass
6**	0.466	28.34	10.27	46.58	18.24	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2025.06.16	2026.06.15	☒
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-SZ2580860-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2580860-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2580860-AI.PDF”.

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--END OF REPORT--