

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: CPH2743
Brand Name: OPPO
FCC ID: R9C-OP24335
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Mar. 19, 2025
Test Date: Mar. 26, 2025 - Mar. 28, 2025
Date of Issue: May 20, 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>May 20, 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	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	CPH2743
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	S01, S02
IMEI Number	S01: IMEI1: 860247070026436; IMEI2: 860247070026428
	S02: IMEI1: 860247070022971; IMEI2: 860247070022963

2.4 Ancillary Equipment

Please refer the document "BL-SZ2530966-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 Band 2/4/5/8 4G Network LTE FDD Band 2/4/5/7/8/12/13/17/18/19/26/28/66 LTE TDD Band 38/41/48 LTE CA Uplink (UL): CA_2C, CA_7C, CA_38C, CA_41C, CA_4A-5A, CA_5A-7A, CA_5A-66A 5G Network SA: NR n2/n5/n7/n12/n26/n38/n41/n66 NSA(EN-DC): DC_7A_n5A, DC_66A_n5A, DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_66A_n7A, DC_7A_n26A, DC_2A_n38A, DC_4A_n38A, DC_5A_n38A, DC_66A_n38A, DC_2A_n41A, DC_4A_n41A, DC_26A_n41A, DC_66A_n41A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GNSS, NFC
Classification of equipment	Class B

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

3.2 Verdict

No.	Description	FCC Rule	Test Verdict	Remark
1	Radiated Emission	15.109	Pass	--
2	Conducted Emission, AC Ports	15.107	Pass	--

3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Measurement	Value
Conducted emissions (9 kHz-30 MHz)	3.2 dB
Radiated emissions (30 MHz-1 GHz)-966#2	4.4 dB
Radiated emissions (1 GHz-18 GHz)-966#2	5.0 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	Lenovo	ThinkPad E495	N/A	N/A	N/A	☒
Data connector	UGREEN	40702	N/A	N/A	N/A	☒
USB disk	Sandisk	DTMC3G2	N/A	N/A	64G	☒
Type-C Headset	N/A	MH156	N/A	1.12m	N/A	☒
TF Card	SAMSUNG	MB-MD256KA	N/A	N/A	256G	☒

4.2 Test Configurations

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

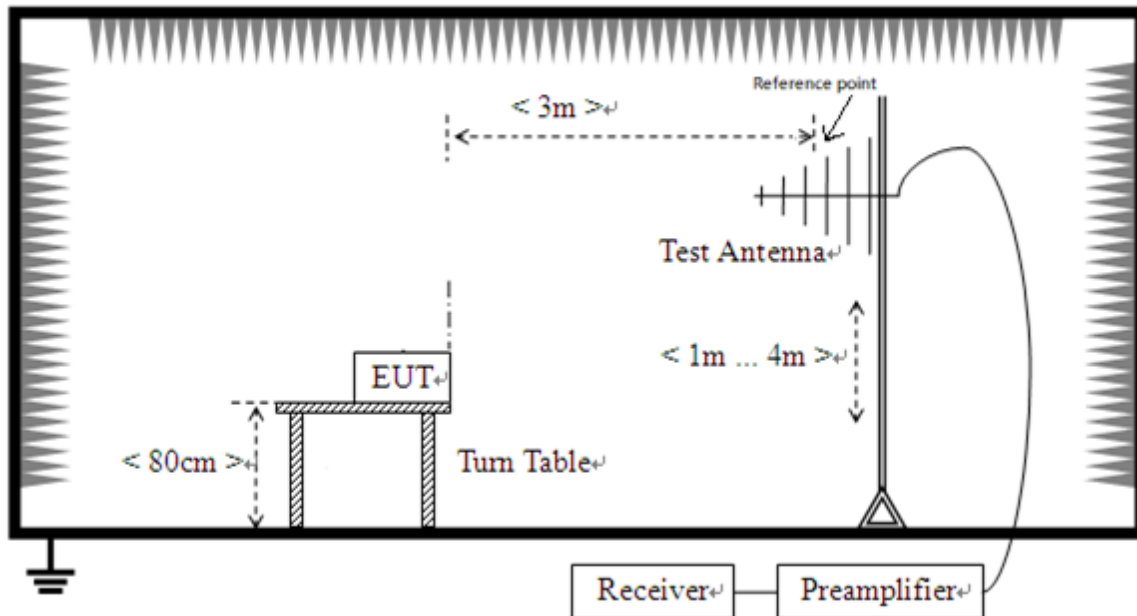
Test Mode Configuration	Description
Mode 1	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 2	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 4	<u>The Charging Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 5	<u>The GSM850 RX Test Mode</u> GSM850 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 6	<u>The GSM900 RX Test Mode</u> GSM900 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 7	<u>The WCDMA Band5 RX Test Mode</u> WCDMA Band5 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 8	<u>The WCDMA Band8 RX Test Mode</u> WCDMA Band8 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 9	<u>The LTE Band5 RX Test Mode</u> LTE Band5 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 10	<u>The LTE Band8 RX Test Mode</u> LTE Band8 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 11	<u>The LTE Band12 RX Test Mode</u> LTE Band12 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 12	<u>The LTE Band13 RX Test Mode</u> LTE Band13 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 13	<u>The LTE Band17 RX Test Mode</u>

	LTE Band17 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 14	<u>The LTE Band18 RX Test Mode</u> LTE Band18 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 15	<u>The LTE Band19 RX Test Mode</u> LTE Band19 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 16	<u>The LTE Band26 RX Test Mode</u> LTE Band26 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 17	<u>The LTE Band28 RX Test Mode</u> LTE Band28 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 18	<u>The N5 RX Test Mode</u> N5 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 19	<u>The N12 RX Test Mode</u> N12 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 20	<u>The N26 RX Test Mode</u> N26 RX + EUT + Adapter + USB Cable + Battery + TF Card
Mode 21	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop + TF Card
Mode 22	<u>The OTG Test Mode</u> EUT + Battery + Data connector + USB Disk + TF Card
Mode 23	<u>The Type-C Headset Test Mode</u> EUT + Type-C Headset + Battery + TF Card

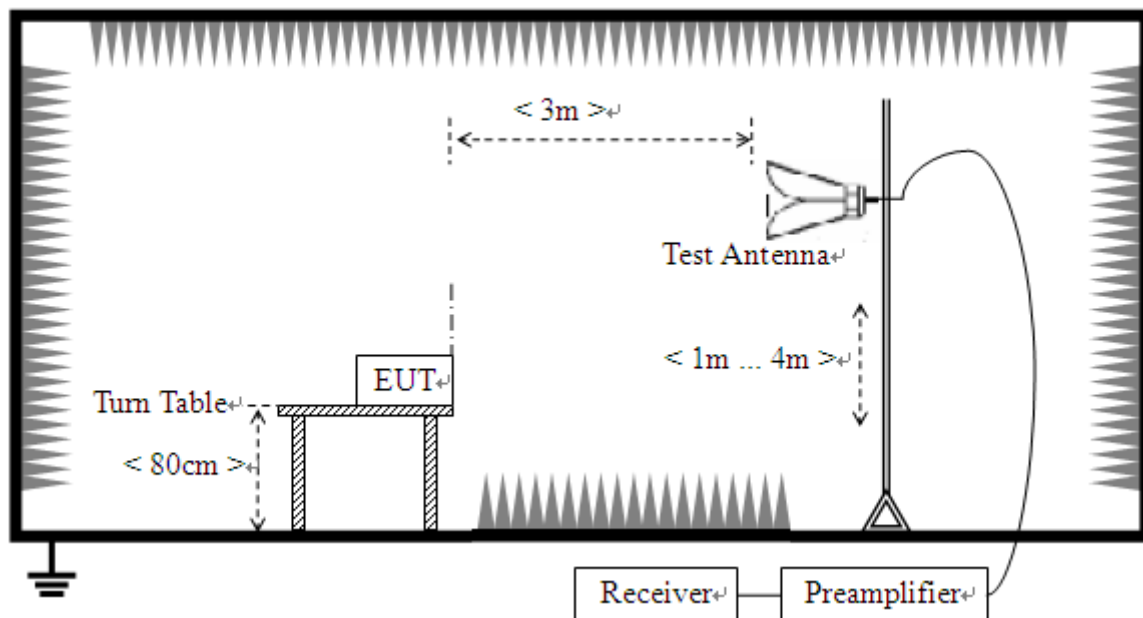
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 23	3, 21
Conducted Emission, AC Ports	Mode 1~Mode 21	4, 21
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

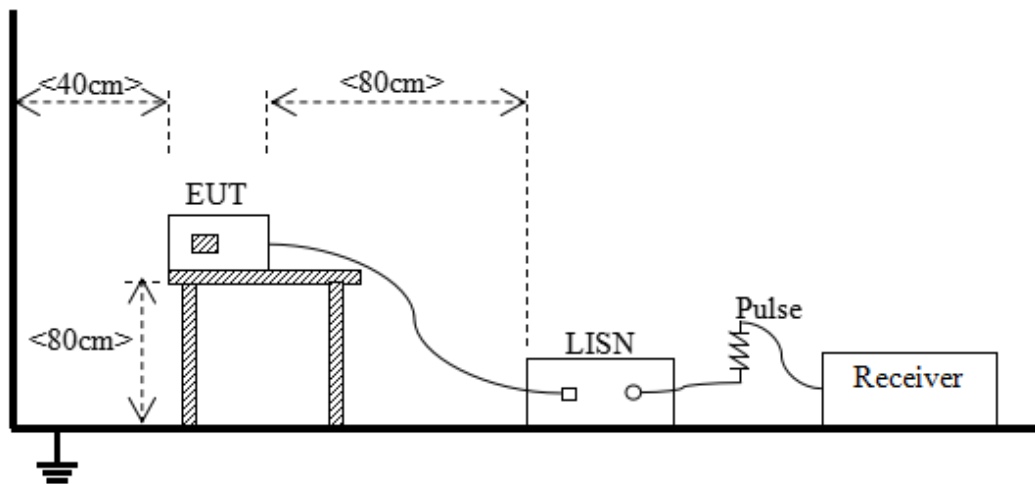
Test Setup 1



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.

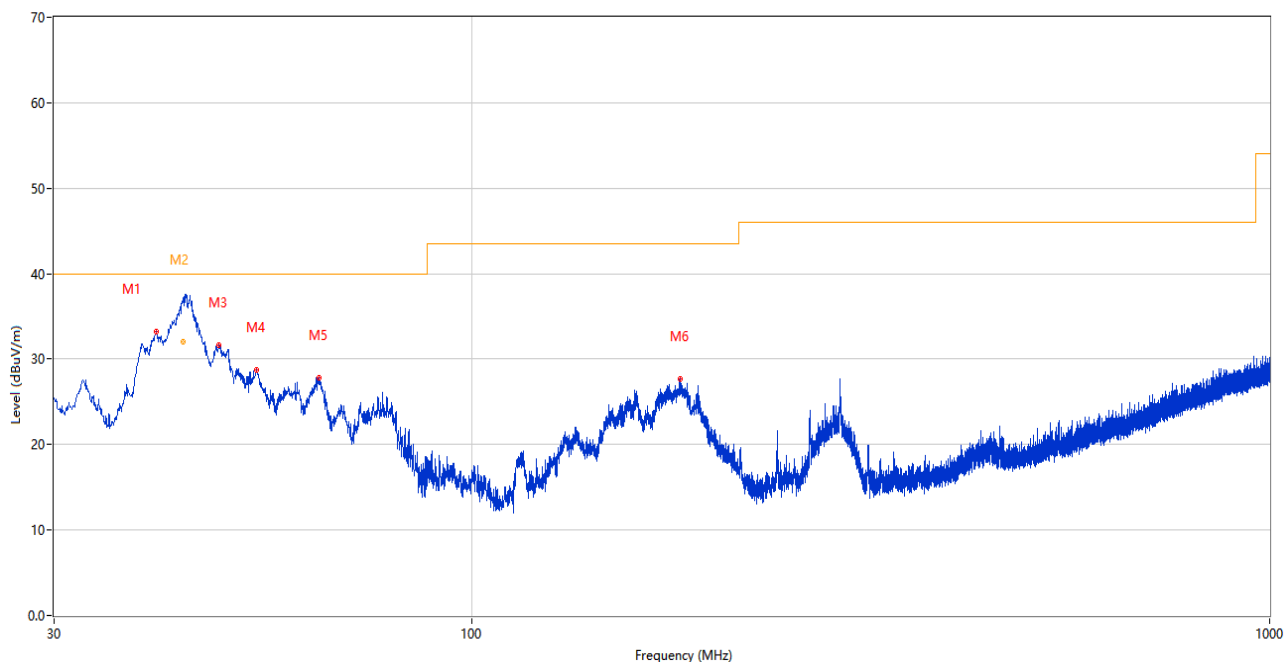
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.	S02	Temperature	22.7℃
Humidity	49%RH	Pressure	101kPa
Test Engineer	He Shichang	Test Date	2025.03.27

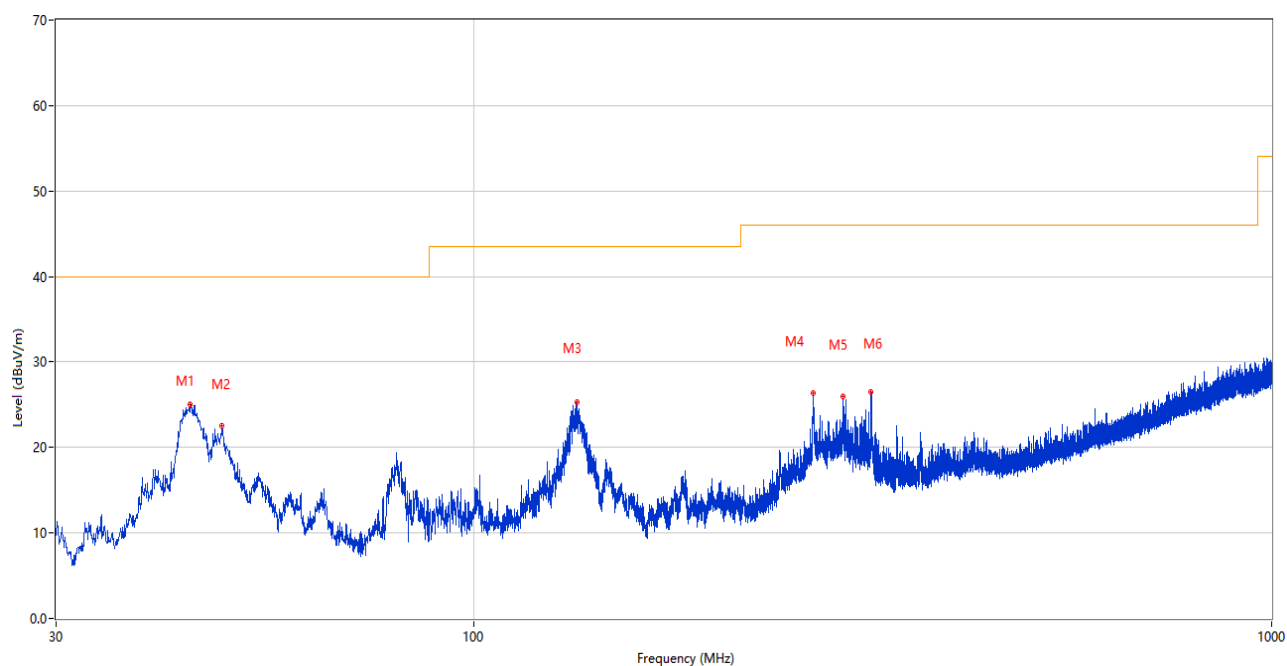
Test Mode 3

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	40.331	33.18	-26.62	40.0	6.82	Peak	1.00	100	Vertical	Pass
2	43.524	34.39	-25.34	40.0	5.61	Peak	56.00	101	Vertical	N/A
2*	43.524	32.07	-25.34	40.0	7.93	QP	56.00	101	Vertical	Pass
3	48.285	31.66	-25.20	40.0	8.34	Peak	58.00	100	Vertical	Pass
4	53.765	28.68	-25.08	40.0	11.32	Peak	58.00	100	Vertical	Pass
5	64.338	27.83	-26.69	40.0	12.17	Peak	11.00	100	Vertical	Pass
6	182.532	27.68	-27.93	43.5	15.82	Peak	324.00	100	Vertical	Pass

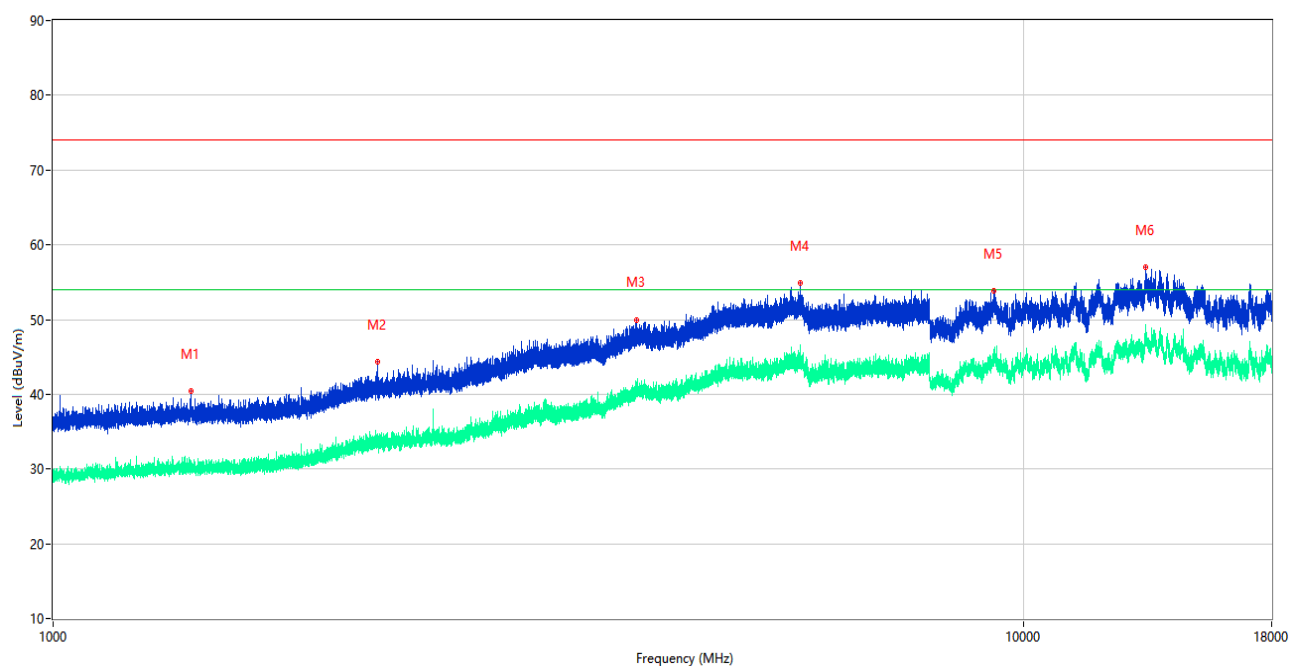
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.114	25.02	-25.79	40.0	14.98	Peak	360.00	100	Horizontal	Pass
2	48.430	22.48	-25.35	40.0	17.52	Peak	124.00	100	Horizontal	Pass
3	134.906	25.28	-30.11	43.5	18.22	Peak	331.00	200	Horizontal	Pass
4	266.244	26.33	-24.77	46.0	19.67	Peak	40.00	100	Horizontal	Pass
5	290.542	25.93	-23.85	46.0	20.07	Peak	56.00	100	Horizontal	Pass
6	314.841	26.50	-23.30	46.0	19.50	Peak	56.00	100	Horizontal	Pass

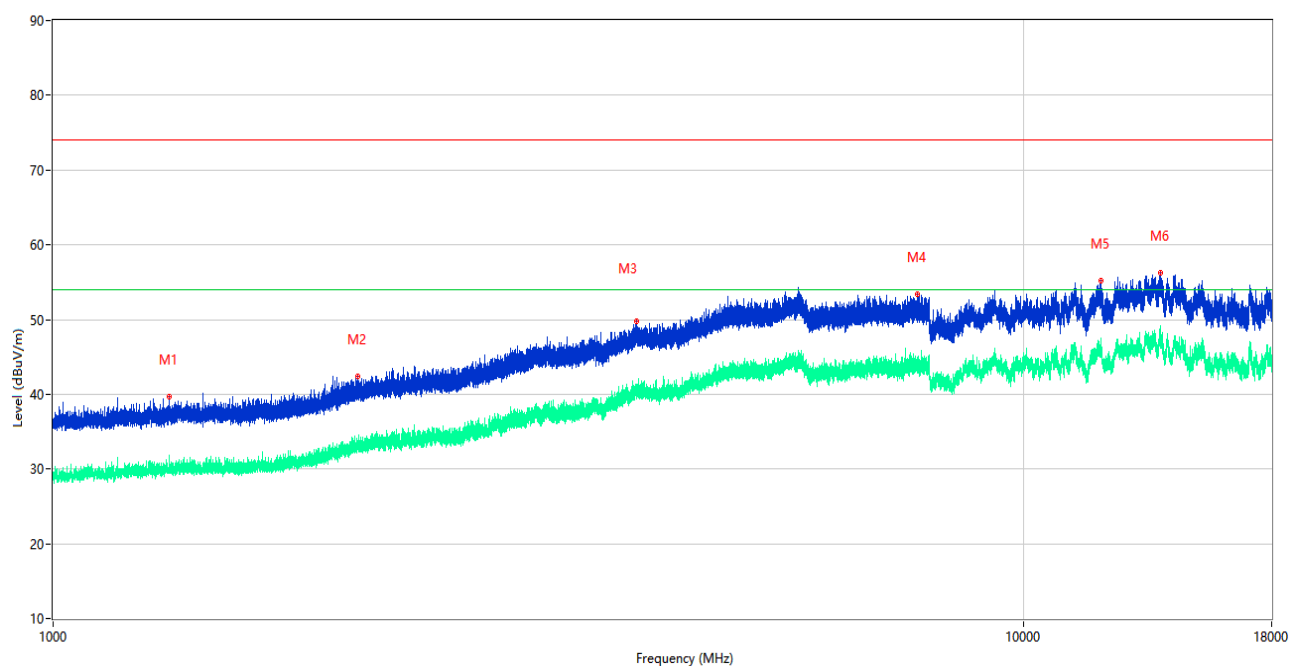
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	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	1385.450	40.39	-15.48	74.0	33.61	Peak	232.00	100	Vertical	Pass
1**	1385.450	29.65	-15.48	54.0	24.35	AV	232.00	100	Vertical	Pass
2	2159.210	44.28	-11.71	74.0	29.72	Peak	198.00	100	Vertical	Pass
2**	2159.210	33.93	-11.71	54.0	20.07	AV	198.00	100	Vertical	Pass
3	3989.620	50.00	-1.67	74.0	24.00	Peak	204.00	100	Vertical	Pass
3**	3989.620	40.61	-1.67	54.0	13.39	AV	204.00	100	Vertical	Pass
4	5878.100	54.92	2.34	74.0	19.08	Peak	100.00	100	Vertical	Pass
4**	5878.100	44.84	2.34	54.0	9.16	AV	100.00	100	Vertical	Pass
5	9320.500	53.82	2.18	74.0	20.18	Peak	116.00	100	Vertical	Pass
5**	9320.500	45.45	2.18	54.0	8.55	AV	116.00	100	Vertical	Pass
6	13350.500	56.95	5.23	74.0	17.05	Peak	90.00	100	Vertical	Pass
6**	13350.500	47.72	5.23	54.0	6.28	AV	90.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz



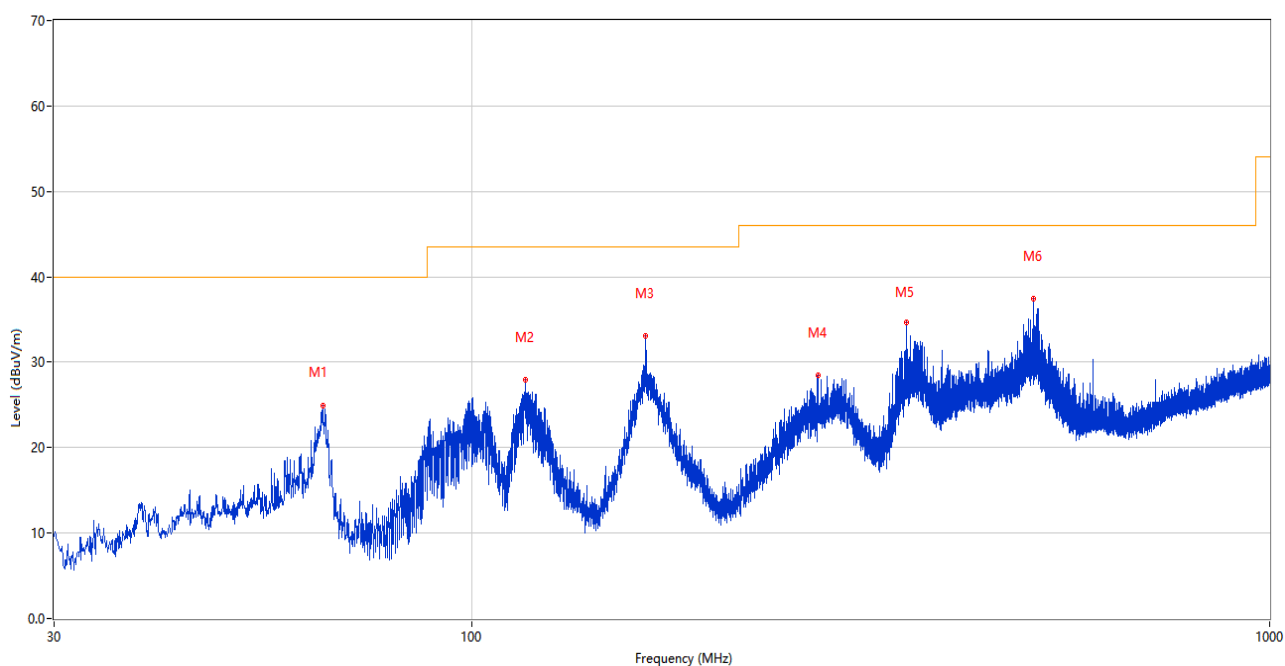
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1316.810	39.61	-15.58	74.0	34.39	Peak	156.00	100	Horizontal	Pass
1**	1316.810	30.02	-15.58	54.0	23.98	AV	156.00	100	Horizontal	Pass
2	2060.410	42.40	-12.39	74.0	31.60	Peak	225.00	100	Horizontal	Pass
2**	2060.410	33.26	-12.39	54.0	20.74	AV	225.00	100	Horizontal	Pass
3	3991.820	49.79	-1.79	74.0	24.21	Peak	0.00	100	Horizontal	Pass
3**	3991.820	40.45	-1.79	54.0	13.55	AV	0.00	100	Horizontal	Pass
4	7769.220	53.41	0.23	74.0	20.59	Peak	117.00	100	Horizontal	Pass
4**	7769.220	43.86	0.23	54.0	10.14	AV	117.00	100	Horizontal	Pass
5	12002.000	55.17	2.57	74.0	18.83	Peak	89.00	100	Horizontal	Pass
5**	12002.000	45.53	2.57	54.0	8.47	AV	89.00	100	Horizontal	Pass
6	13814.000	56.24	5.63	74.0	17.76	Peak	260.00	100	Horizontal	Pass
6**	13814.000	47.99	5.63	54.0	6.01	AV	260.00	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	/		☒

Sample No.	S02	Temperature	22.7℃
Humidity	49%RH	Pressure	101kPa
Test Engineer	He Shichang	Test Date	2025.03.27

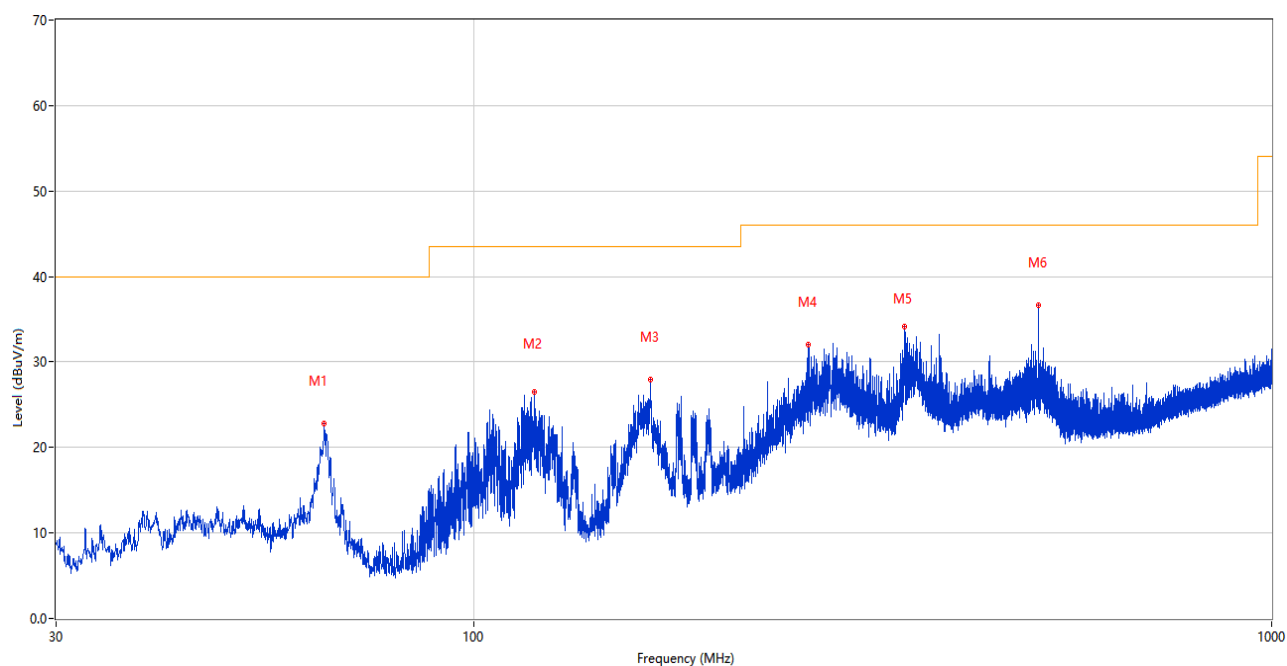
Test Mode 21

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	65.162	24.95	-27.04	40.0	15.05	Peak	267.00	100	Vertical	Pass
2	116.864	27.91	-27.52	43.5	15.59	Peak	104.00	100	Vertical	Pass
3	165.072	33.12	-29.45	43.5	10.38	Peak	125.00	100	Vertical	Pass
4	271.918	28.43	-24.49	46.0	17.57	Peak	160.00	200	Vertical	Pass
5	350.440	34.72	-21.92	46.0	11.28	Peak	173.00	100	Vertical	Pass
6	506.513	37.47	-18.55	46.0	8.53	Peak	192.00	200	Vertical	Pass

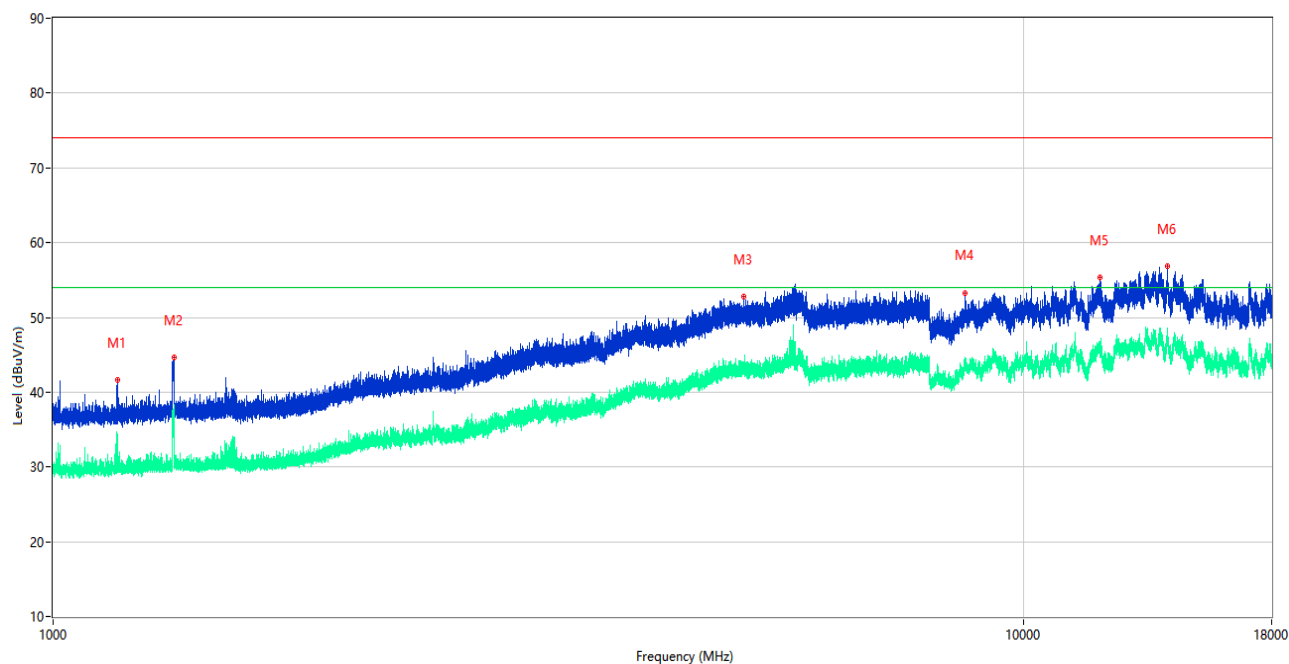
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	65.017	22.76	-26.77	40.0	17.24	Peak	333.00	100	Horizontal	Pass
2	119.240	26.53	-28.17	43.5	16.97	Peak	109.00	200	Horizontal	Pass
3	166.722	27.90	-29.04	43.5	15.60	Peak	277.00	200	Horizontal	Pass
4	262.655	32.00	-24.68	46.0	14.00	Peak	236.00	100	Horizontal	Pass
5	346.850	34.19	-21.98	46.0	11.81	Peak	236.00	100	Horizontal	Pass
6	509.956	36.64	-18.52	46.0	9.36	Peak	263.00	200	Horizontal	Pass

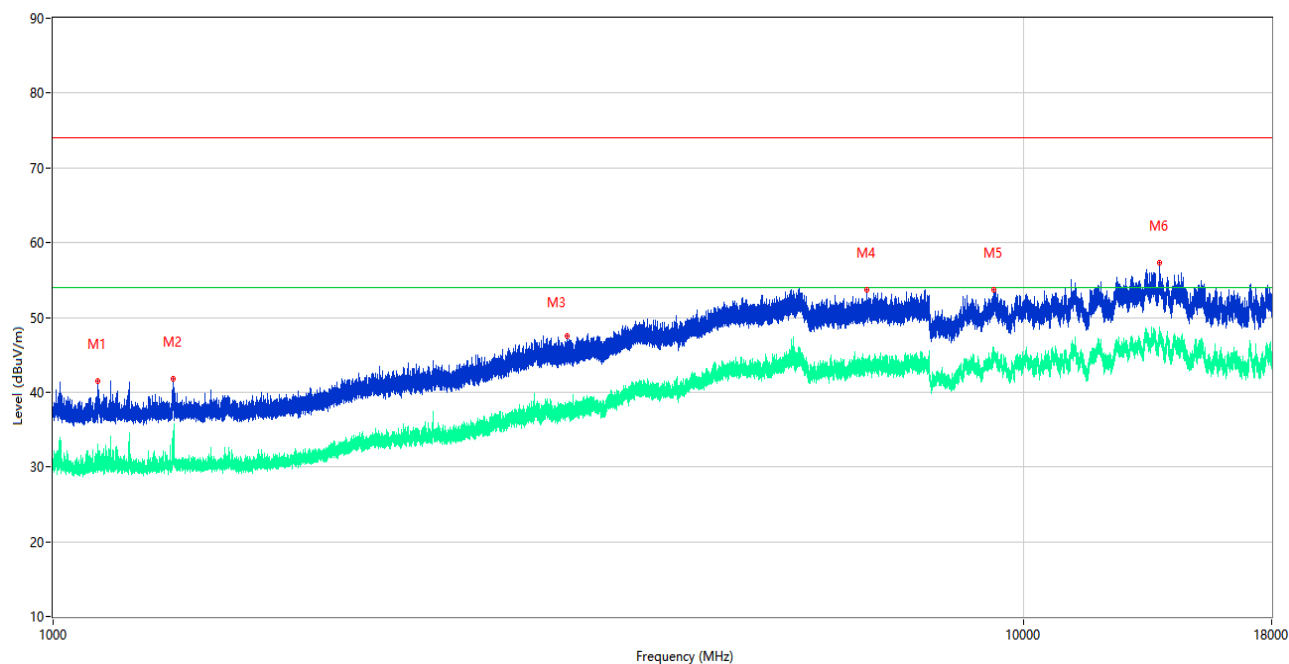
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

7) Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.140	41.64	-15.72	74.0	32.36	Peak	89.00	100	Vertical	Pass
1**	1166.140	30.05	-15.72	54.0	23.95	AV	89.00	100	Vertical	Pass
2	1331.890	44.68	-15.72	74.0	29.32	Peak	240.00	100	Vertical	Pass
2**	1331.890	35.69	-15.72	54.0	18.31	AV	240.00	100	Vertical	Pass
3	5145.060	52.76	-0.26	74.0	21.24	Peak	150.00	100	Vertical	Pass
3**	5145.060	42.70	-0.26	54.0	11.30	AV	150.00	100	Vertical	Pass
4	8700.500	53.31	1.18	74.0	20.69	Peak	76.00	100	Vertical	Pass
4**	8700.500	43.42	1.18	54.0	10.58	AV	76.00	100	Vertical	Pass
5	11989.000	55.31	2.63	74.0	18.69	Peak	234.00	100	Vertical	Pass
5**	11989.000	45.04	2.63	54.0	8.96	AV	234.00	100	Vertical	Pass
6	14060.000	56.79	5.15	74.0	17.21	Peak	360.00	100	Vertical	Pass
6**	14060.000	46.69	5.15	54.0	7.31	AV	360.00	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	1111.020	41.50	-15.62	74.0	32.50	Peak	91.00	100	Horizontal	Pass
1**	1111.020	30.01	-15.62	54.0	23.99	AV	91.00	100	Horizontal	Pass
2	1327.990	41.78	-15.70	74.0	32.22	Peak	72.00	100	Horizontal	Pass
2**	1327.990	31.91	-15.70	54.0	22.09	AV	72.00	100	Horizontal	Pass
3	3384.460	47.49	-5.85	74.0	26.51	Peak	306.00	100	Horizontal	Pass
3**	3384.460	36.71	-5.85	54.0	17.29	AV	306.00	100	Horizontal	Pass
4	6886.580	53.70	-0.30	74.0	20.30	Peak	26.00	100	Horizontal	Pass
4**	6886.580	44.17	-0.30	54.0	9.83	AV	26.00	100	Horizontal	Pass
5	9318.500	53.62	2.18	74.0	20.38	Peak	181.00	100	Horizontal	Pass
5**	9318.500	44.89	2.18	54.0	9.11	AV	181.00	100	Horizontal	Pass
6	13798.000	57.26	5.72	74.0	16.74	Peak	194.00	100	Horizontal	Pass
6**	13798.000	47.71	5.72	54.0	6.29	AV	194.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (1-12GHz)	Advanced Microwave	WLA652A	1740103	2024.11.28	2025.11.27	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2024.11.28	2025.11.27	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	01917	2022.06.09	2025.06.08	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

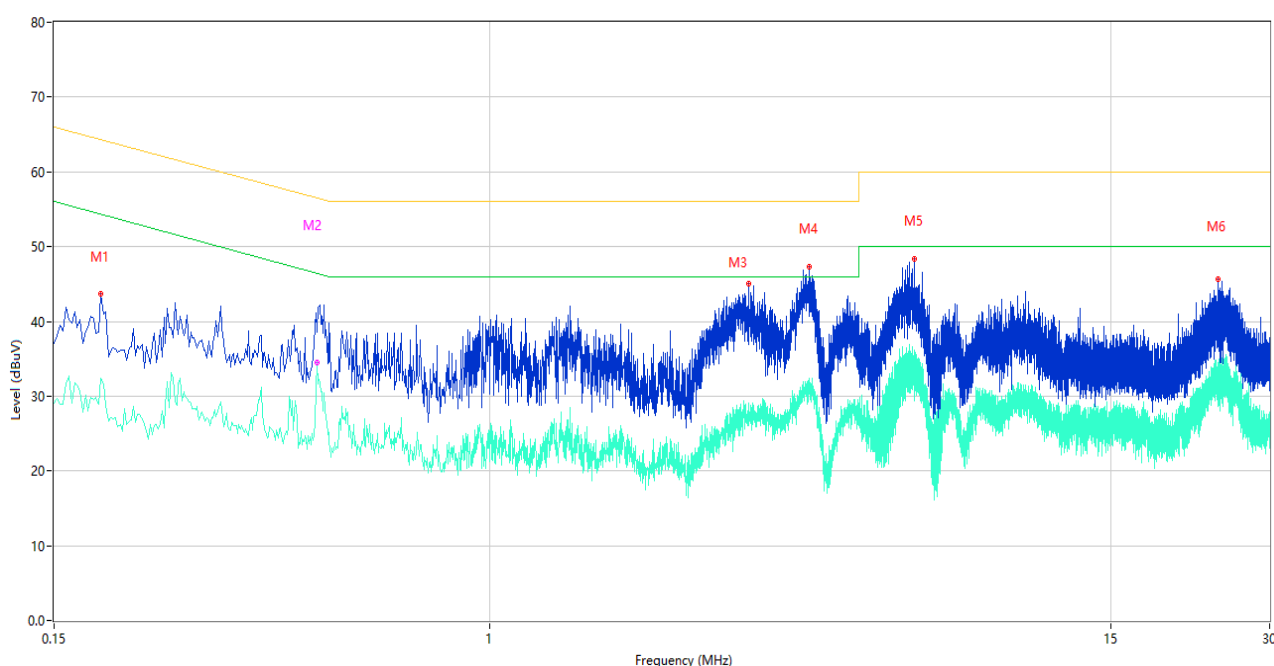
A.2 Conducted Emission, AC Ports

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

Sample No.	S01	Temperature	22.6℃
Humidity	53%RH	Pressure	101kPa
Test Engineer	Yangyang	Test Date	2025.03.27

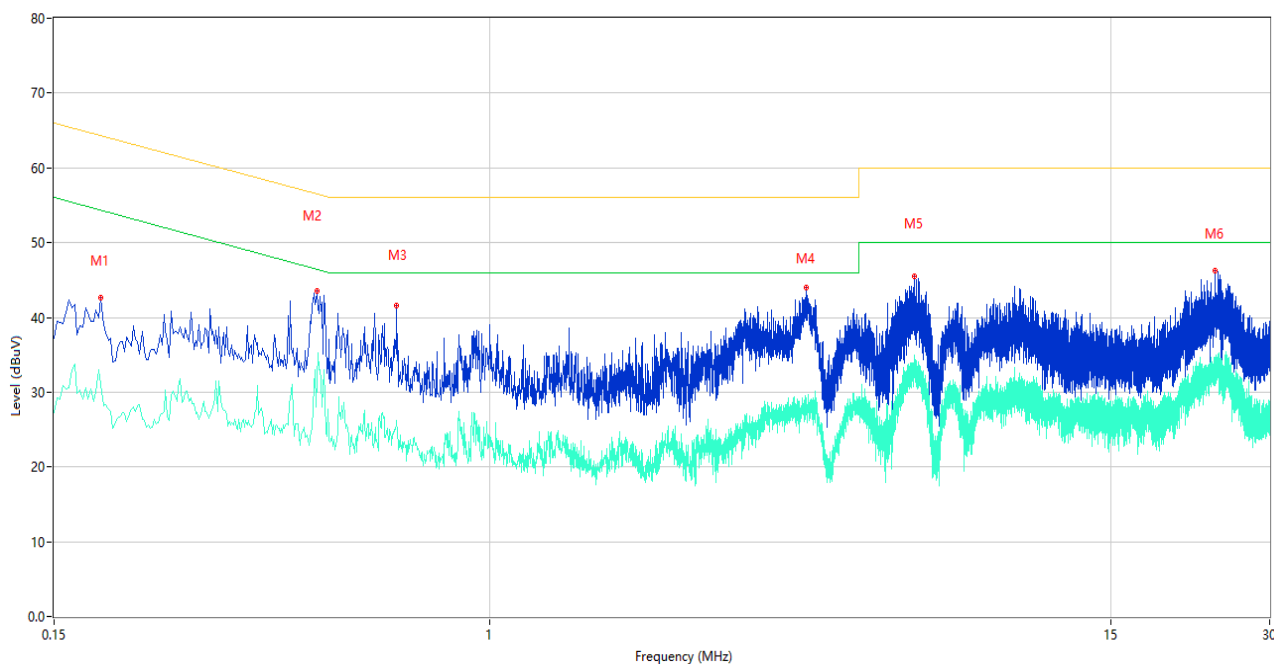
Test Mode 4

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.184	43.69	10.05	64.30	20.61	Peak	L	Pass
1**	0.184	32.43	10.05	54.30	21.87	AV	L	Pass
2	0.472	38.59	10.44	56.48	17.89	Peak	L	Pass
2**	0.472	34.48	10.44	46.48	12.00	AV	L	Pass
3	3.096	45.00	10.65	56.00	11.00	Peak	L	Pass
3**	3.096	29.01	10.65	46.00	16.99	AV	L	Pass
4	4.024	47.36	10.90	56.00	8.64	Peak	L	Pass
4**	4.024	32.41	10.90	46.00	13.59	AV	L	Pass
5	6.370	48.43	11.64	60.00	11.57	Peak	L	Pass
5**	6.370	36.09	11.64	50.00	13.91	AV	L	Pass
6	23.974	45.58	15.95	60.00	14.42	Peak	L	Pass
6**	23.974	31.84	15.95	50.00	18.16	AV	L	Pass

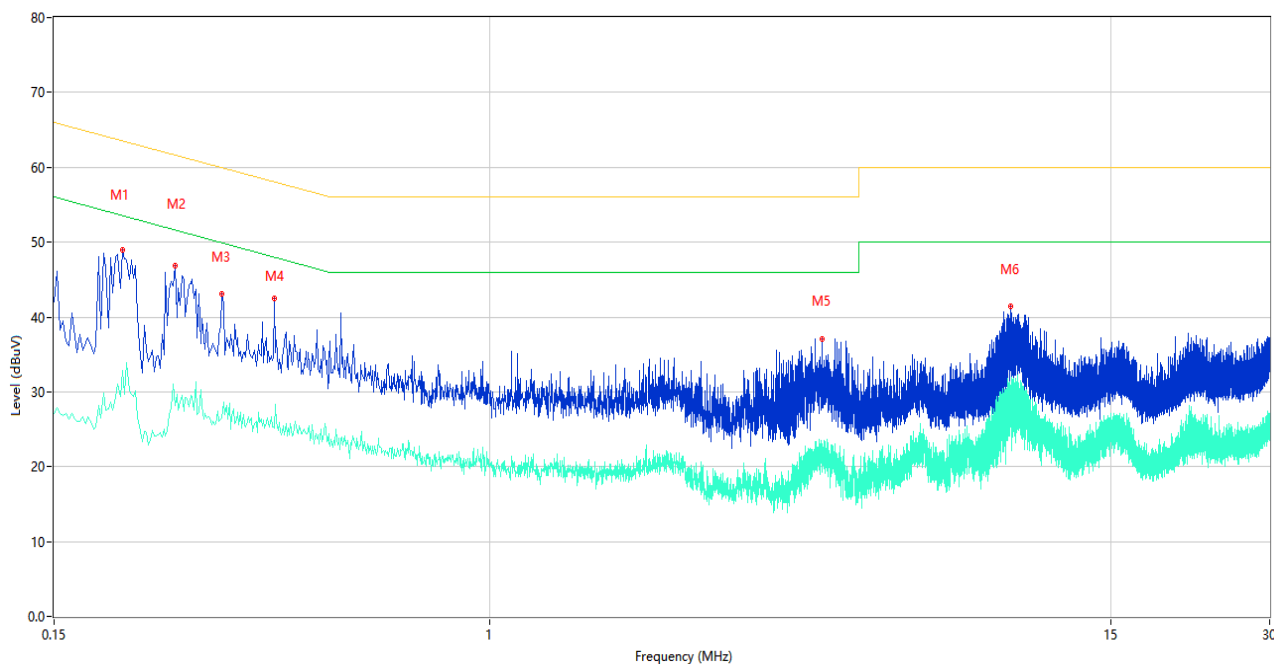
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.184	42.57	10.05	64.30	21.73	Peak	N	Pass
1**	0.184	31.02	10.05	54.30	23.28	AV	N	Pass
2	0.472	43.55	10.44	56.48	12.93	Peak	N	Pass
2**	0.472	31.80	10.44	46.48	14.68	AV	N	Pass
3	0.668	41.53	10.47	56.00	14.47	Peak	N	Pass
3**	0.668	26.22	10.47	46.00	19.78	AV	N	Pass
4	3.980	44.01	10.86	56.00	11.99	Peak	N	Pass
4**	3.980	28.38	10.86	46.00	17.62	AV	N	Pass
5	6.382	45.47	11.77	60.00	14.53	Peak	N	Pass
5**	6.382	34.92	11.77	50.00	15.08	AV	N	Pass
6	23.600	46.19	15.94	60.00	13.81	Peak	N	Pass
6**	23.600	33.89	15.94	50.00	16.11	AV	N	Pass

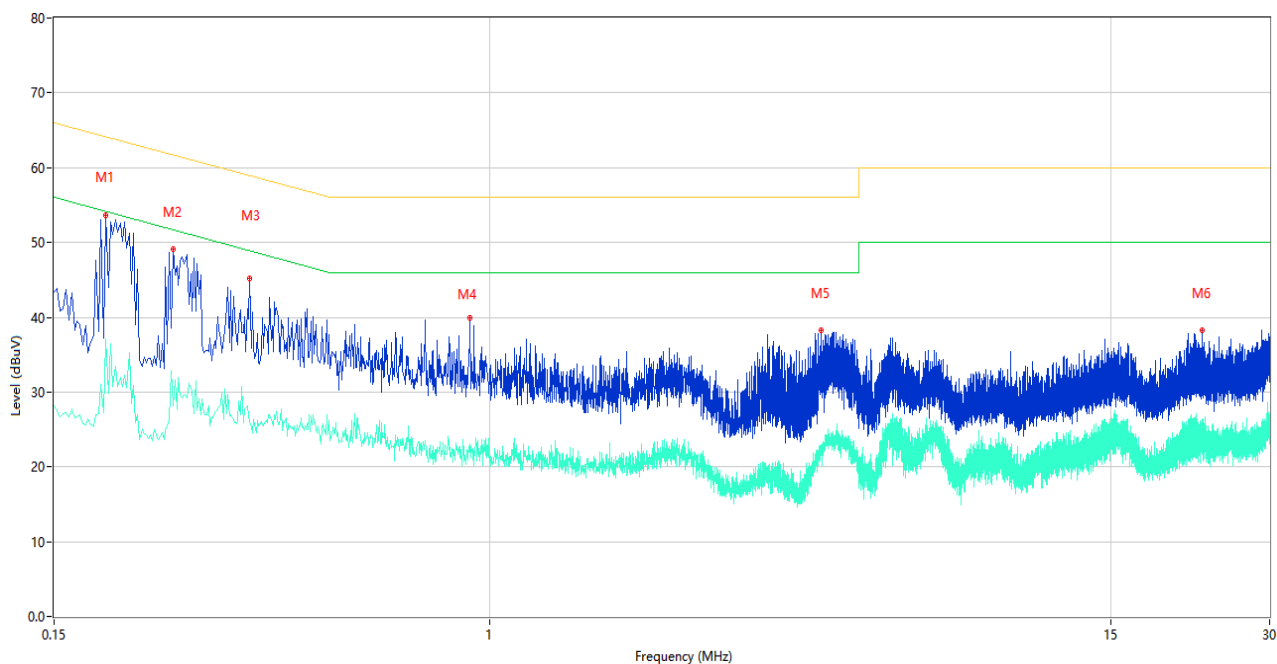
Test Mode 21

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.202	49.02	10.03	63.53	14.51	Peak	L	Pass
1**	0.202	32.81	10.03	53.53	20.72	AV	L	Pass
2	0.254	46.80	10.03	61.63	14.83	Peak	L	Pass
2**	0.254	28.11	10.03	51.63	23.52	AV	L	Pass
3	0.312	43.12	10.02	59.92	16.80	Peak	L	Pass
3**	0.312	26.49	10.02	49.92	23.43	AV	L	Pass
4	0.392	42.45	10.51	58.02	15.57	Peak	L	Pass
4**	0.392	25.10	10.51	48.02	22.92	AV	L	Pass
5	4.268	37.11	10.89	56.00	18.89	Peak	L	Pass
5**	4.268	21.35	10.89	46.00	24.65	AV	L	Pass
6	9.686	41.47	12.24	60.00	18.53	Peak	L	Pass
6**	9.686	29.23	12.24	50.00	20.77	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.188	53.68	10.04	64.12	10.44	Peak	N	Pass
1**	0.188	37.05	10.04	54.12	17.07	AV	N	Pass
2	0.252	49.16	10.03	61.69	12.53	Peak	N	Pass
2**	0.252	28.11	10.03	51.69	23.58	AV	N	Pass
3	0.352	45.16	9.97	58.92	13.76	Peak	N	Pass
3**	0.352	26.10	9.97	48.92	22.82	AV	N	Pass
4	0.920	39.88	10.45	56.00	16.12	Peak	N	Pass
4**	0.920	22.76	10.45	46.00	23.24	AV	N	Pass
5	4.240	38.25	10.99	56.00	17.75	Peak	N	Pass
5**	4.240	21.55	10.99	46.00	24.45	AV	N	Pass
6	22.334	38.26	15.64	60.00	21.74	Peak	N	Pass
6**	22.334	25.09	15.64	50.00	24.91	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31	☒
LISN	SCHWARZB ECK	NSLK 8127	8127-687	2024.05.09	2025.05.08	☒
ISN	TESEQ	ISN T800	34449	2024.11.06	2025.11.05	☐
ISN	TESEQ	ISN T8-Cat6	53561	2024.04.24	2025.04.23	☐
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2. 8m	112	2025.02.18	2026.02.17	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2530966-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2530966-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2530966-AI.PDF”.

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--END OF REPORT--