

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: CPH2815
Brand Name: OPPO
FCC ID R9C-OP25255
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Aug. 19, 2025
Test Date: Aug. 21, 2025 - Aug. 22, 2025
Date of Issue: Oct. 20, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Oct. 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. 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	CPH2815
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-SZ2580358:S01, S02, S03, S04
IMEI Number	SC-SZ2580358-S01: IMEI1: 866585080020194; IMEI2: 866585080020186
	SC-SZ2580358-S02: IMEI1: 866585080020111; IMEI2: 866585080020103
	SC-SZ2580358-S03: IMEI1: 866585080020137; IMEI2: 866585080020129
	SC-SZ2580358-S04: IMEI1: 866585080020236; IMEI2: 866585080020210

2.4 Ancillary Equipment

Please refer the document “BL-SZ2580929-AW EUT external photo.pdf”.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1800/1900 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA Band 1/2/4/5/8/6/19 4G Network FDD LTE Band 1/2/3/4/5/7/8/13/18/19/26/28/66 TDD LTE Band 38/40/41 Bluetooth (BR+EDR+BLE) 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80) GNSS
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.

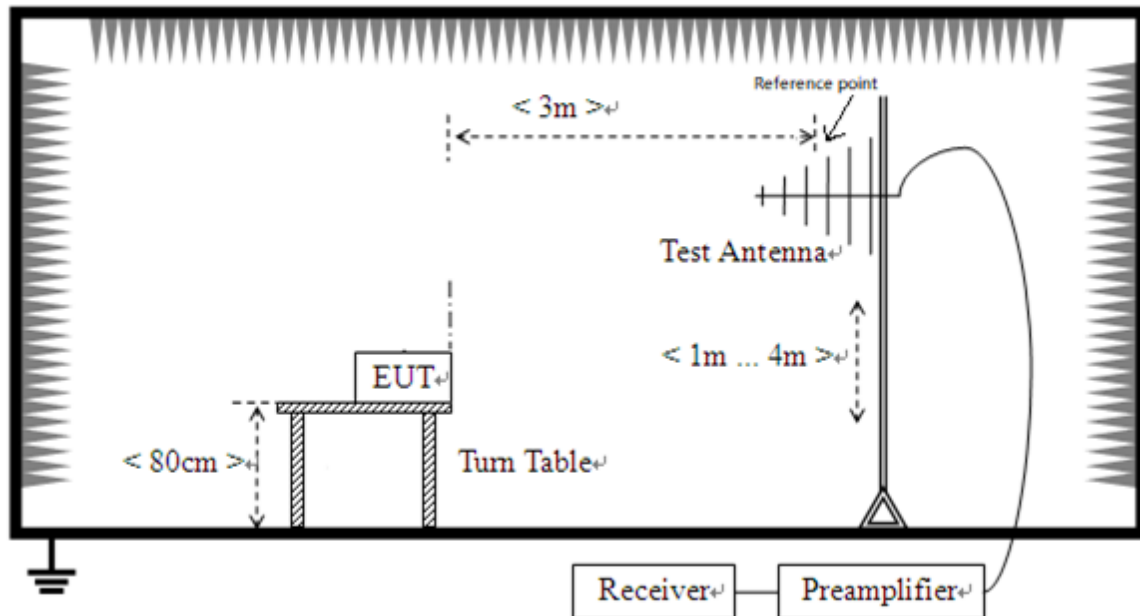
Test Mode Configuration	Description
Mode 1	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Headset
Mode 2	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card + Headset
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + 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 LTE Band 5 RX Test Mode</u> LTE Band 5 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 13	<u>The LTE Band 8 RX Test Mode</u> LTE Band 8 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 14	<u>The LTE Band 13 RX Test Mode</u> LTE Band 13 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 15	<u>The LTE Band 18 RX Test Mode</u> LTE Band 18 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 16	<u>The LTE Band 19 RX Test Mode</u> LTE Band 19 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 17	<u>The LTE Band 26 RX Test Mode</u> LTE Band 26 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset
Mode 18	<u>The LTE Band 28 RX Test Mode</u> LTE Band 28 RX + EUT + Battery + Data connector + USB Disk + TF Card + Headset

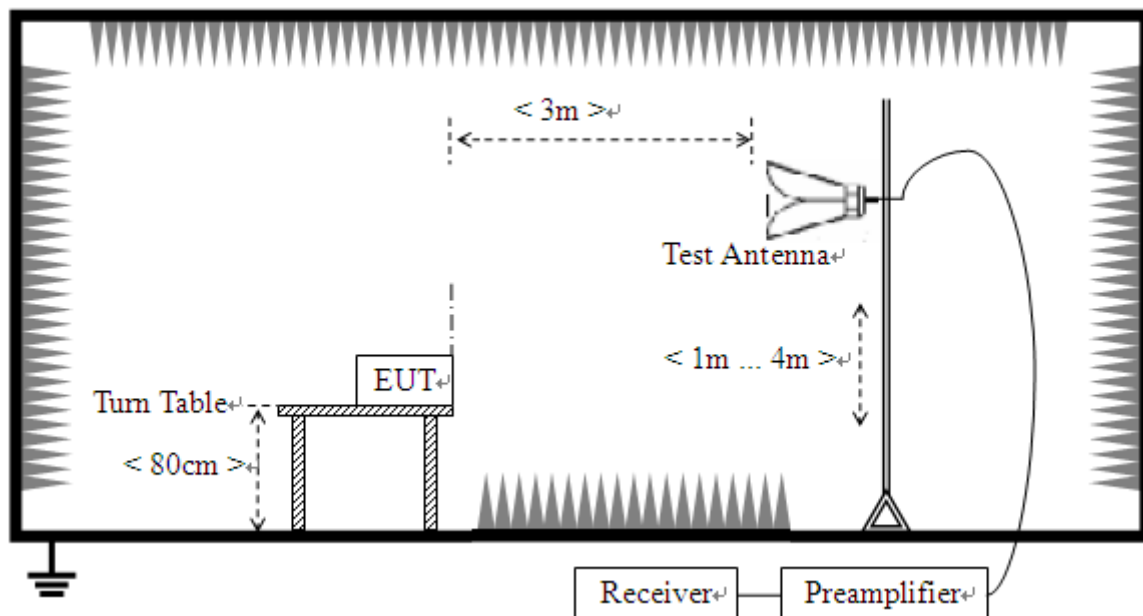
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 18	1
Conducted Emission, AC Ports	Mode 1~Mode 5 Mode 8~Mode 18	3
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

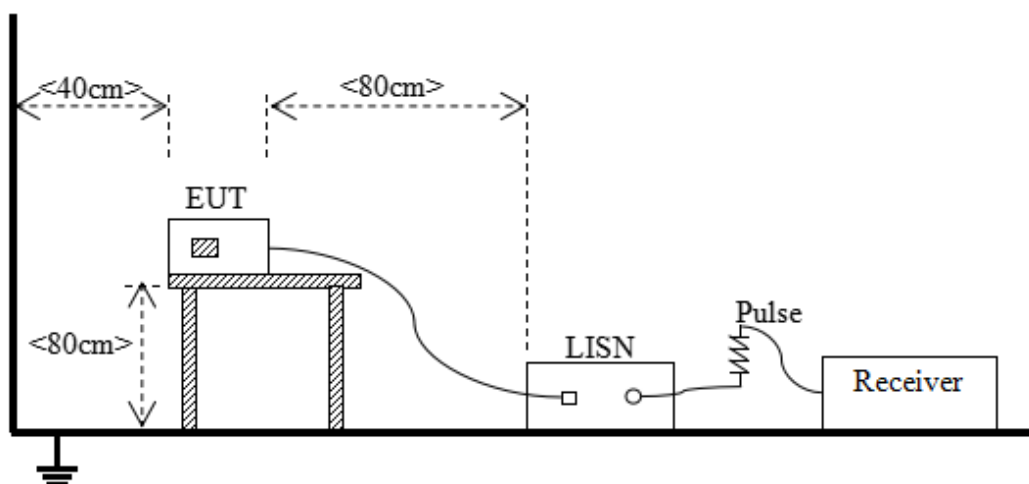
Test Setup 1



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

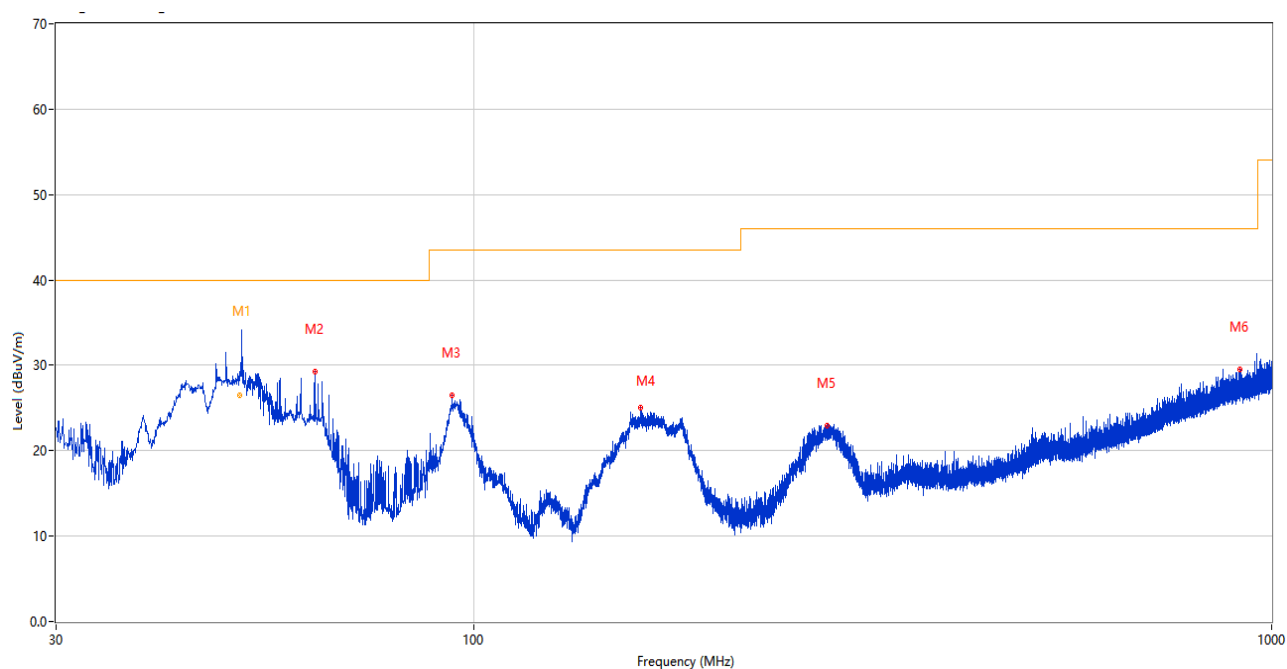
Note 1: The symbol of "--" in the table which means not application.

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.

Sample No.	S04	Temperature	22.3℃
Humidity	48%RH	Pressure	101kPa
Test Engineer	Chen Jingran	Test Date	2025.09.10

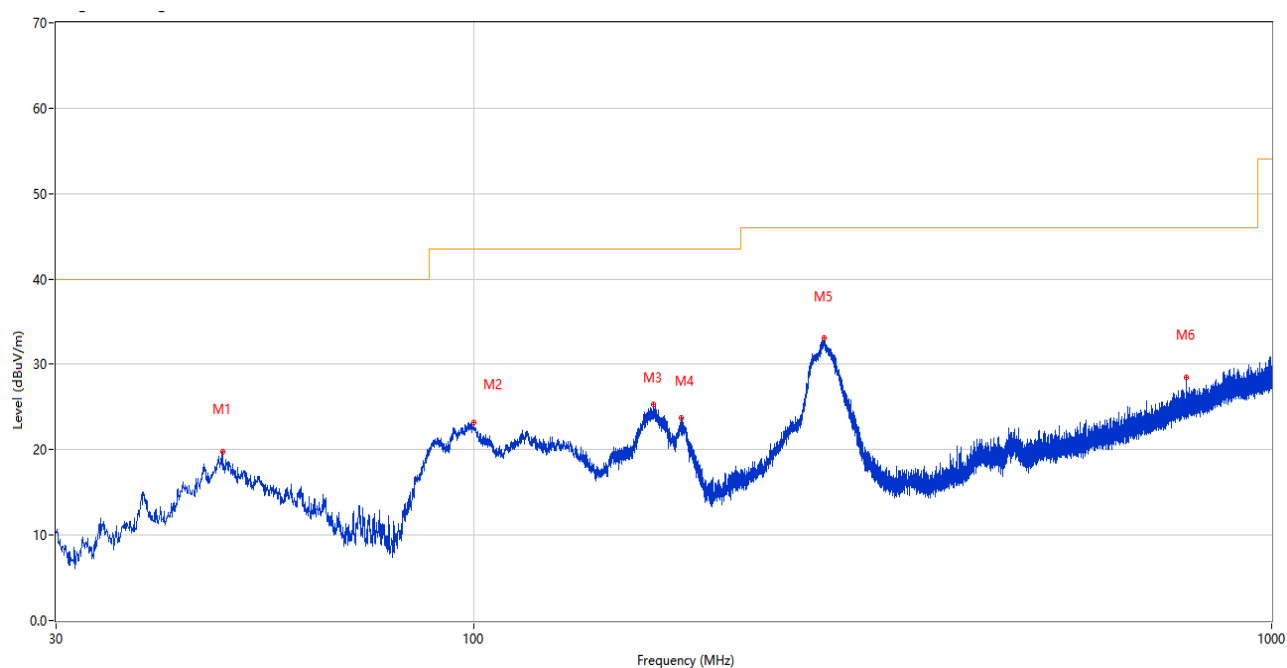
Test Mode 1

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	50.951	34.10	-24.00	40.0	5.90	Peak	112.00	116	Vertical	N/A
1*	50.951	26.52	-24.00	40.0	13.48	QP	112.00	116	Vertical	Pass
2	63.271	29.21	-27.27	40.0	10.79	Peak	110.00	100	Vertical	Pass
3	93.971	26.56	-27.52	43.5	16.94	Peak	61.00	100	Vertical	Pass
4	161.969	25.00	-29.35	43.5	18.50	Peak	0.00	100	Vertical	Pass
5	277.447	22.99	-24.31	46.0	23.01	Peak	278.00	100	Vertical	Pass
6	911.730	29.54	-9.79	46.0	16.46	Peak	185.00	200	Vertical	Pass

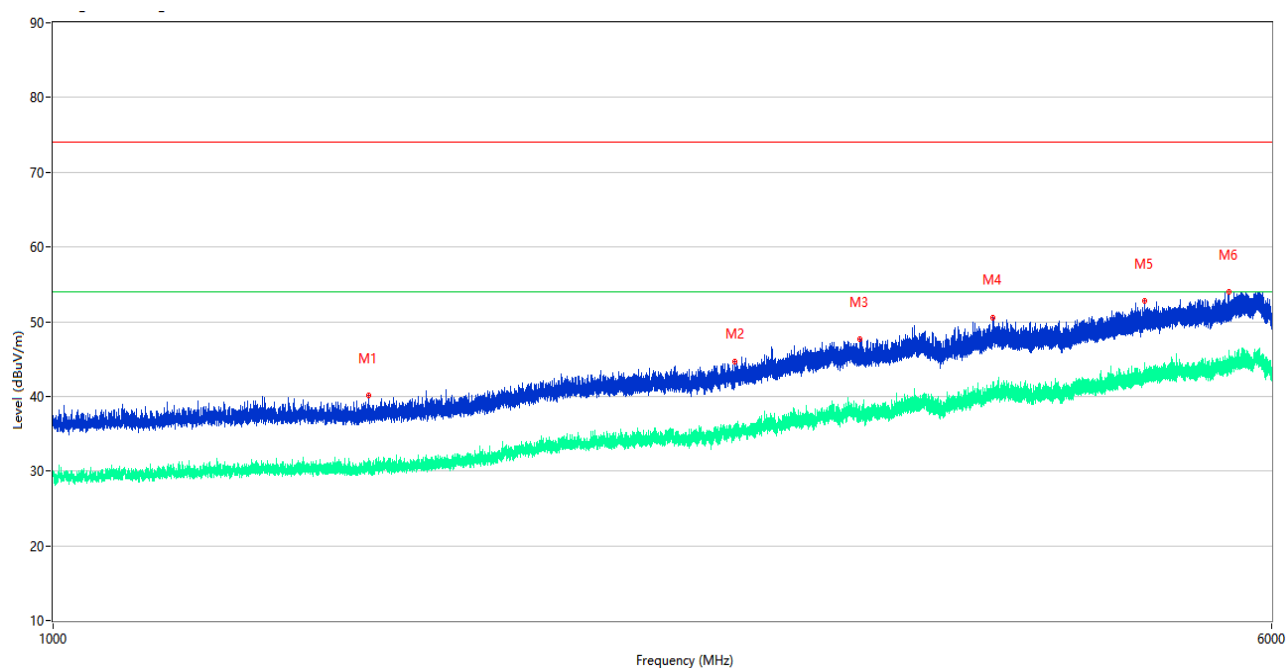
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.527	19.78	-25.45	40.0	20.22	Peak	72.00	200	Horizontal	Pass
2	100.179	23.18	-26.72	43.5	20.32	Peak	140.00	200	Horizontal	Pass
3	168.176	25.29	-29.15	43.5	18.21	Peak	128.00	100	Horizontal	Pass
4	182.290	23.67	-27.97	43.5	19.83	Peak	126.00	100	Horizontal	Pass
5	274.974	33.02	-24.29	46.0	12.98	Peak	323.00	100	Horizontal	Pass
6	782.720	28.48	-12.14	46.0	17.52	Peak	336.00	100	Horizontal	Pass

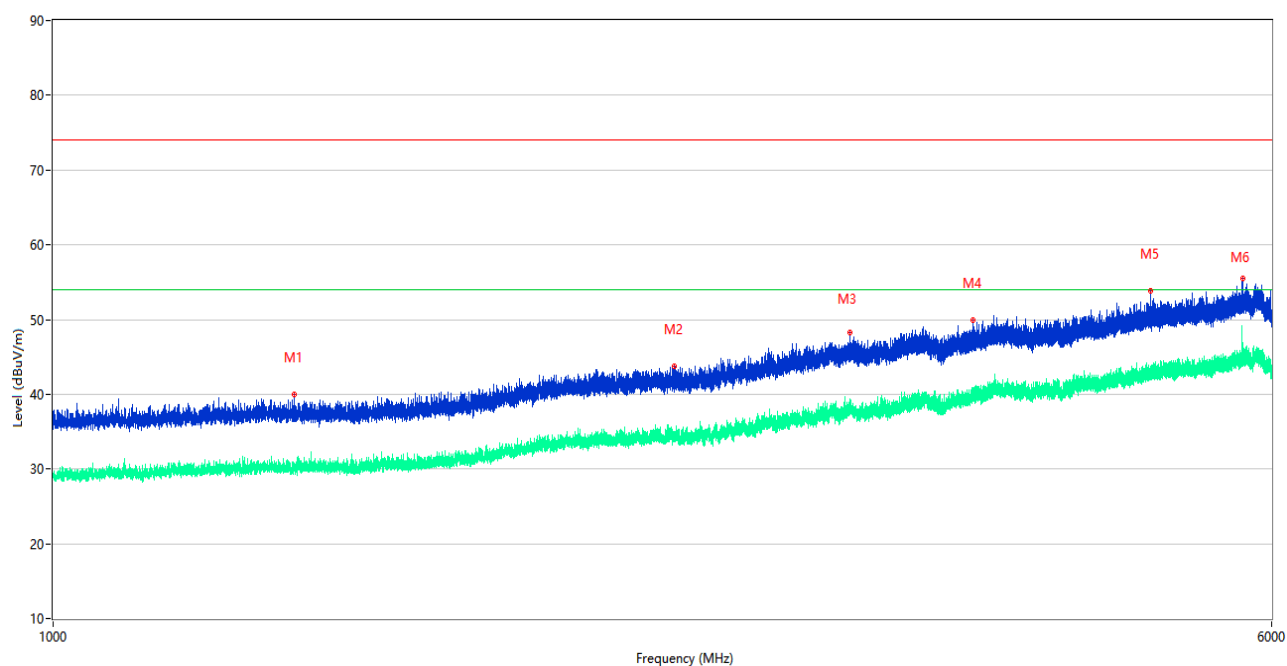
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2025.06.17	2026.06.16	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	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	/		☒

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	1590.980	40.13	-15.42	74.0	33.87	Peak	0.00	100	Vertical	Pass
1**	1590.980	30.04	-15.42	54.0	23.96	AV	0.00	100	Vertical	Pass
2	2725.100	44.65	-9.03	74.0	29.35	Peak	141.00	100	Vertical	Pass
2**	2725.100	35.75	-9.03	54.0	18.25	AV	141.00	100	Vertical	Pass
3	3273.570	47.70	-5.60	74.0	26.30	Peak	277.00	100	Vertical	Pass
3**	3273.570	37.09	-5.60	54.0	16.91	AV	277.00	100	Vertical	Pass
4	3980.160	50.60	-1.37	74.0	23.40	Peak	211.00	100	Vertical	Pass
4**	3980.160	40.04	-1.37	54.0	13.96	AV	211.00	100	Vertical	Pass
5	4974.600	52.81	0.41	74.0	21.19	Peak	45.00	100	Vertical	Pass
5**	4974.600	43.16	0.41	54.0	10.84	AV	45.00	100	Vertical	Pass
6	5638.680	54.04	0.69	74.0	19.96	Peak	211.00	100	Vertical	Pass
6**	5638.680	44.78	0.69	54.0	9.22	AV	211.00	100	Vertical	Pass

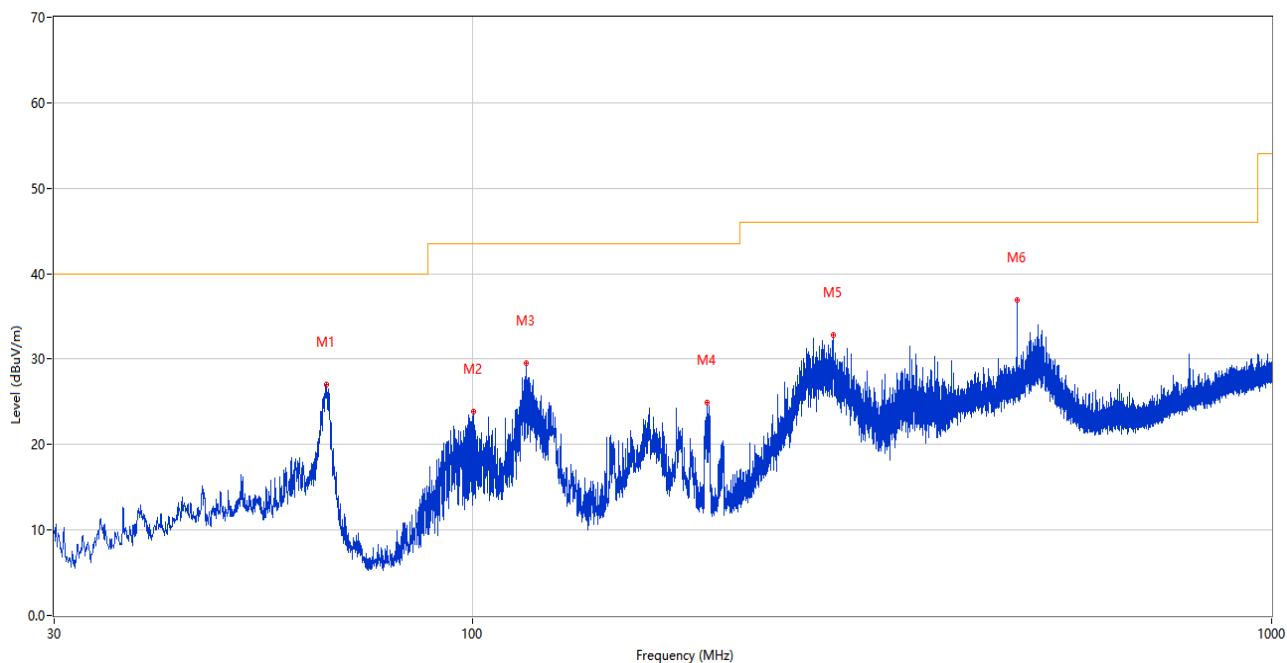
4) Test Antenna Horizontal, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1426.530	39.94	-15.39	74.0	34.06	Peak	141.00	100	Horizontal	Pass
1**	1426.530	29.77	-15.39	54.0	24.23	AV	141.00	100	Horizontal	Pass
2	2492.920	43.70	-10.08	74.0	30.30	Peak	106.00	100	Horizontal	Pass
2**	2492.920	33.89	-10.08	54.0	20.11	AV	106.00	100	Horizontal	Pass
3	3229.240	48.25	-5.59	74.0	25.75	Peak	236.00	100	Horizontal	Pass
3**	3229.240	38.37	-5.59	54.0	15.63	AV	236.00	100	Horizontal	Pass
4	3867.960	49.95	-2.19	74.0	24.05	Peak	224.00	100	Horizontal	Pass
4**	3867.960	39.57	-2.19	54.0	14.43	AV	224.00	100	Horizontal	Pass
5	5023.800	53.80	-0.18	74.0	20.20	Peak	82.00	100	Horizontal	Pass
5**	5023.800	42.47	-0.18	54.0	11.53	AV	82.00	100	Horizontal	Pass
6	5752.440	55.57	1.72	74.0	18.43	Peak	326.00	100	Horizontal	Pass
6**	5752.440	46.13	1.72	54.0	7.87	AV	326.00	100	Horizontal	Pass

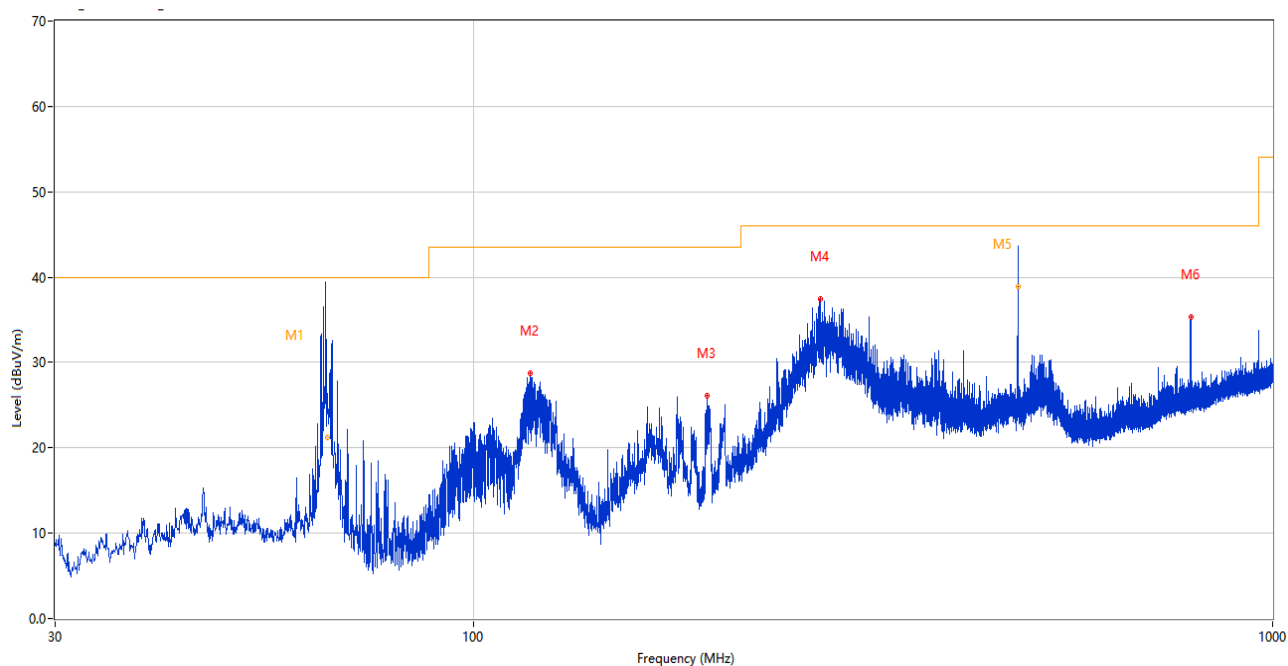
The USB Test Mode

5) Test Antenna Vertical, 30 MHz – 1 GHz



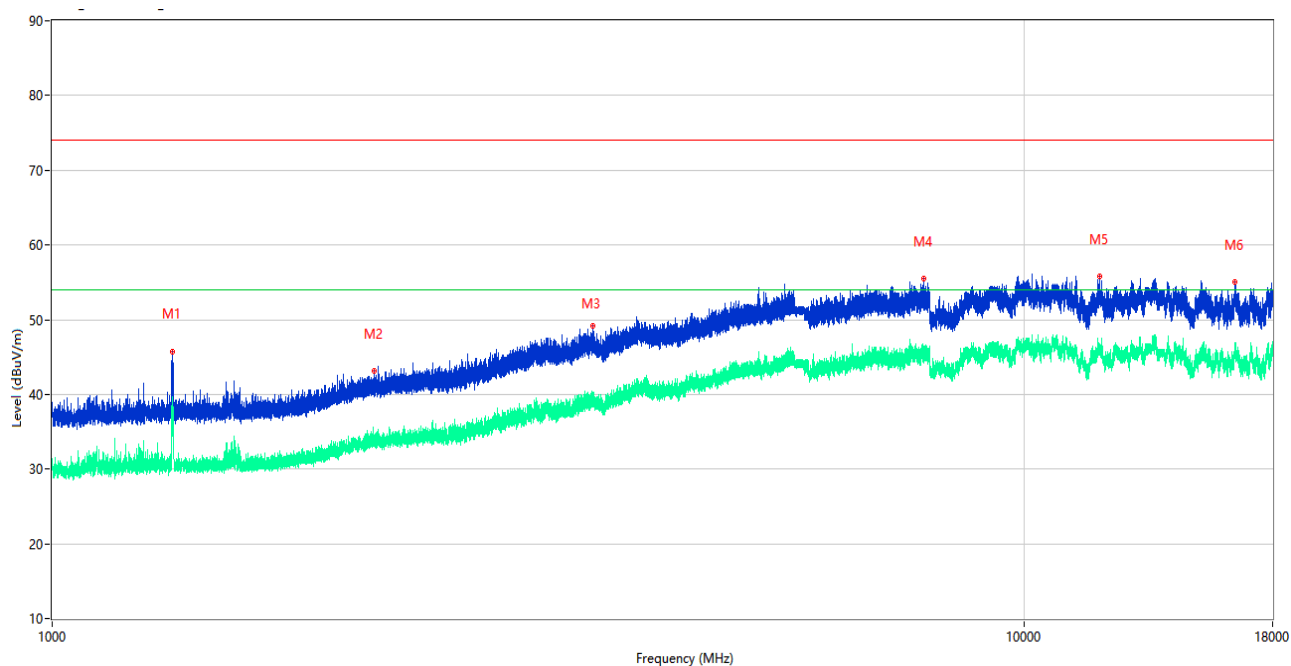
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	65.793	27.05	-28.11	40.0	12.95	Peak	111.00	100	Vertical	Pass
2	100.276	23.83	-26.74	43.5	19.67	Peak	195.00	100	Vertical	Pass
3	116.864	29.49	-27.52	43.5	14.01	Peak	259.00	100	Vertical	Pass
4	196.598	24.93	-26.39	43.5	18.57	Peak	291.00	100	Vertical	Pass
5	282.927	32.82	-24.08	46.0	13.18	Peak	133.00	200	Vertical	Pass
6	480.031	36.97	-19.17	46.0	9.03	Peak	323.00	100	Vertical	Pass

6) Test Antenna Horizontal, 30 MHz – 1 GHz



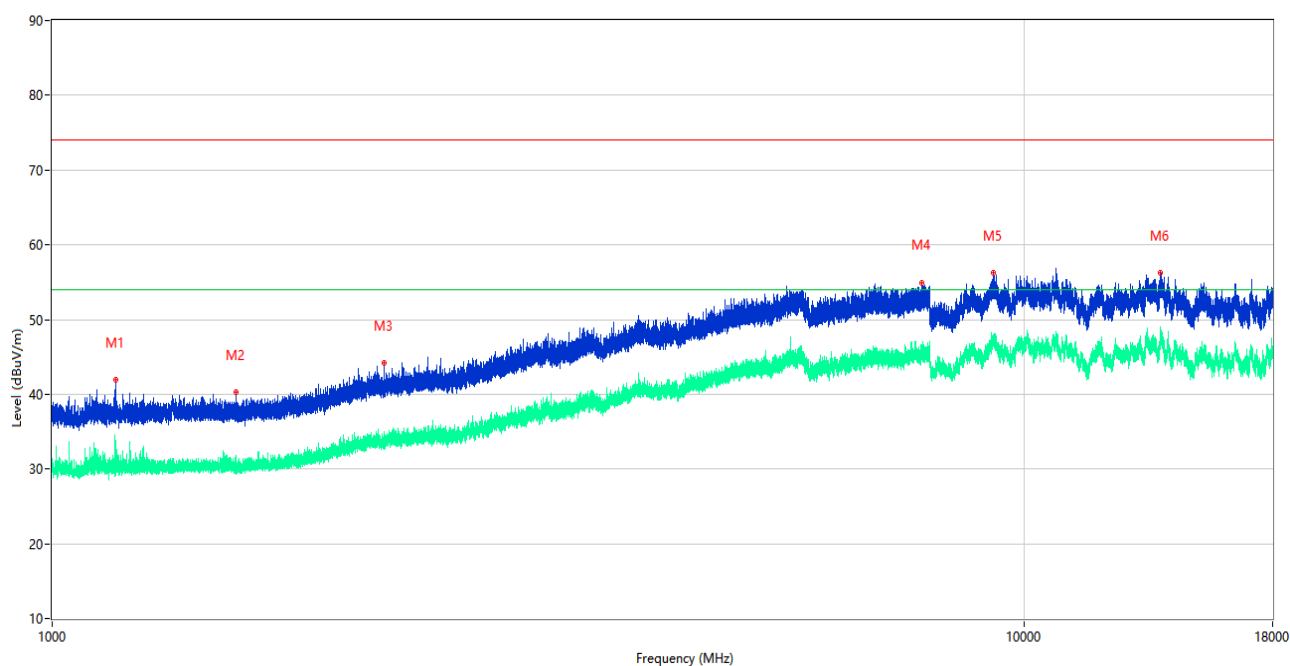
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	65.713	27.59	-27.39	40.0	12.41	Peak	24.00	157	Horizontal	N/A
1*	65.713	21.27	-27.39	40.0	18.73	QP	24.00	157	Horizontal	Pass
2	117.785	28.69	-27.99	43.5	14.81	Peak	81.00	200	Horizontal	Pass
3	196.161	26.06	-26.55	43.5	17.44	Peak	72.00	100	Horizontal	Pass
4	271.918	37.44	-24.49	46.0	8.56	Peak	109.00	100	Horizontal	Pass
5	480.001	40.26	-19.17	46.0	5.74	Peak	181.00	100	Horizontal	N/A
5*	480.001	38.85	-19.17	46.0	7.15	QP	181.00	100	Horizontal	Pass
6	790.092	35.34	-11.89	46.0	10.66	Peak	84.00	100	Horizontal	Pass

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	1328.250	45.76	-15.60	74.0	28.24	Peak	245.00	100	Vertical	Pass
1**	1328.250	36.99	-15.60	54.0	17.01	AV	245.00	100	Vertical	Pass
2	2142.830	43.08	-12.32	74.0	30.92	Peak	9.00	100	Vertical	Pass
2**	2142.830	34.07	-12.32	54.0	19.93	AV	9.00	100	Vertical	Pass
3	3602.200	49.10	-3.91	74.0	24.90	Peak	218.00	100	Vertical	Pass
3**	3602.200	39.18	-3.91	54.0	14.82	AV	218.00	100	Vertical	Pass
4	7880.540	55.45	2.30	74.0	18.55	Peak	140.00	100	Vertical	Pass
4**	7880.540	45.61	2.30	54.0	8.39	AV	140.00	100	Vertical	Pass
5	11950.000	55.73	2.94	74.0	18.27	Peak	202.00	100	Vertical	Pass
5**	11950.000	46.50	2.94	54.0	7.50	AV	202.00	100	Vertical	Pass
6	16463.000	55.05	3.27	74.0	18.95	Peak	56.00	100	Vertical	Pass
6**	16463.000	45.37	3.27	54.0	8.63	AV	56.00	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	1162.760	41.96	-15.54	74.0	32.04	Peak	86.00	100	Horizontal	Pass
1**	1162.760	33.85	-15.54	54.0	20.15	AV	86.00	100	Horizontal	Pass
2	1544.700	40.25	-15.49	74.0	33.75	Peak	290.00	100	Horizontal	Pass
2**	1544.700	30.82	-15.49	54.0	23.18	AV	290.00	100	Horizontal	Pass
3	2195.090	44.19	-11.97	74.0	29.81	Peak	253.00	100	Horizontal	Pass
3**	2195.090	32.83	-11.97	54.0	21.17	AV	253.00	100	Horizontal	Pass
4	7835.660	54.96	2.62	74.0	19.04	Peak	187.00	100	Horizontal	Pass
4**	7835.660	45.58	2.62	54.0	8.42	AV	187.00	100	Horizontal	Pass
5	9292.000	56.23	4.70	74.0	17.77	Peak	327.00	100	Horizontal	Pass
5**	9292.000	46.75	4.70	54.0	7.25	AV	327.00	100	Horizontal	Pass
6	13797.500	56.29	5.64	74.0	17.71	Peak	205.00	100	Horizontal	Pass
6**	13797.500	47.46	5.64	54.0	6.54	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	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

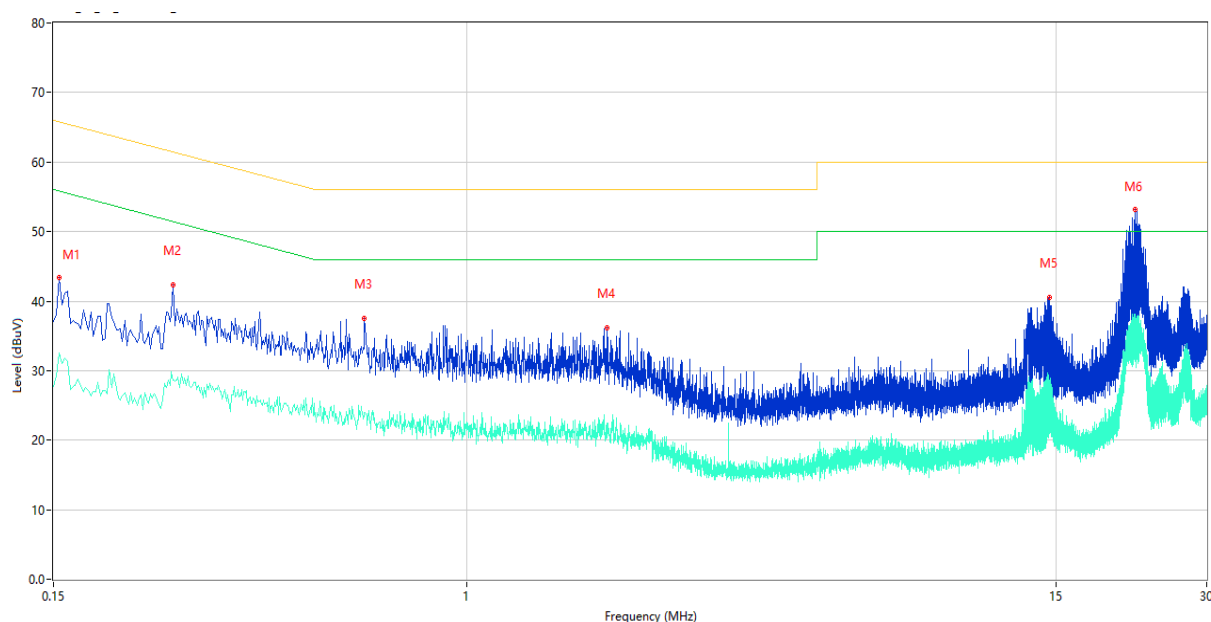
A.2 Conducted Emission, AC Ports

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.	S04	Temperature	22.3℃
Humidity	48%RH	Pressure	101kPa
Test Engineer	Yang Panxia	Test Date	2025.09.10

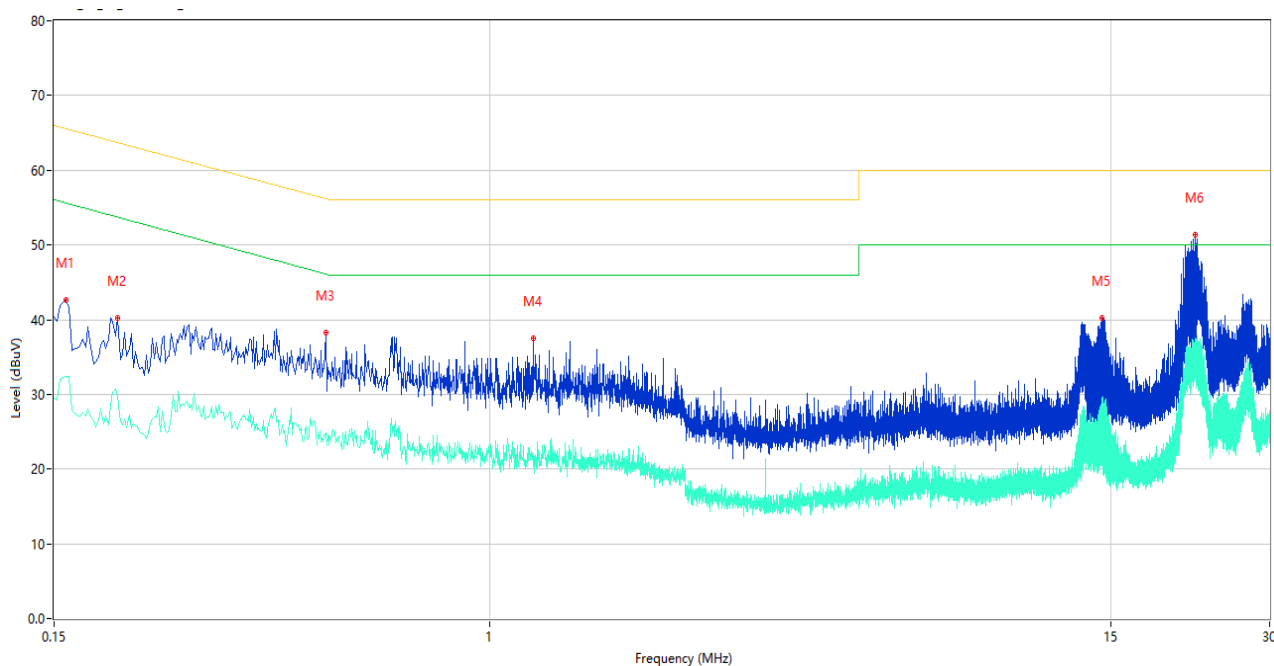
Test Mode 3

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	43.40	10.30	65.78	22.38	Peak	L	Pass
1**	0.154	32.54	10.30	55.78	23.24	AV	L	Pass
2	0.260	42.27	10.26	61.43	19.16	Peak	L	Pass
2**	0.260	28.63	10.26	51.43	22.80	AV	L	Pass
3	0.626	37.47	10.29	56.00	18.53	Peak	L	Pass
3**	0.626	24.02	10.29	46.00	21.98	AV	L	Pass
4	1.912	36.16	10.43	56.00	19.84	Peak	L	Pass
4**	1.912	22.45	10.43	46.00	23.55	AV	L	Pass
5	14.598	40.46	13.00	60.00	19.54	Peak	L	Pass
5**	14.598	27.38	13.00	50.00	22.62	AV	L	Pass
6	21.594	53.20	14.79	60.00	6.80	Peak	L	Pass
6**	21.594	37.83	14.79	50.00	12.17	AV	L	Pass

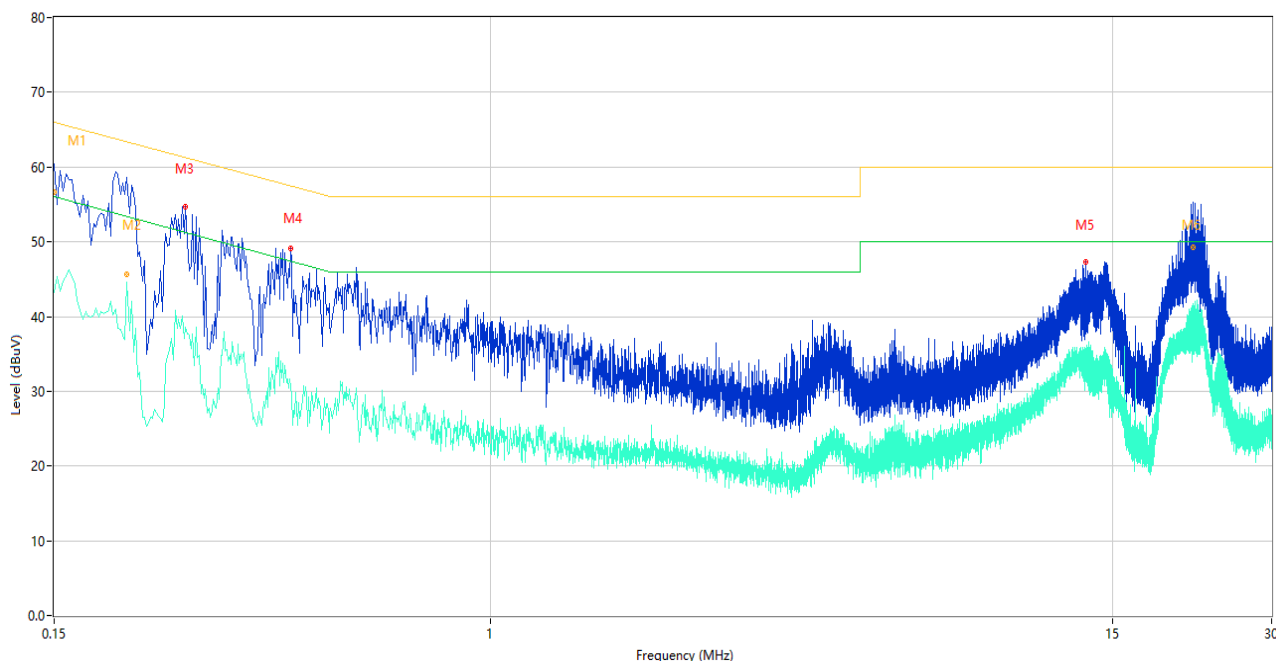
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	42.61	10.30	65.57	22.96	Peak	N	Pass
1**	0.158	32.41	10.30	55.57	23.16	AV	N	Pass
2	0.198	40.18	10.27	63.69	23.51	Peak	N	Pass
2**	0.198	29.72	10.27	53.69	23.97	AV	N	Pass
3	0.490	38.34	10.27	56.17	17.83	Peak	N	Pass
3**	0.490	24.79	10.27	46.17	21.38	AV	N	Pass
4	1.212	37.48	10.35	56.00	18.52	Peak	N	Pass
4**	1.212	20.36	10.35	46.00	25.64	AV	N	Pass
5	14.436	40.24	12.96	60.00	19.76	Peak	N	Pass
5**	14.436	26.88	12.96	50.00	23.12	AV	N	Pass
6	21.710	51.42	14.81	60.00	8.58	Peak	N	Pass
6**	21.710	35.61	14.81	50.00	14.39	AV	N	Pass

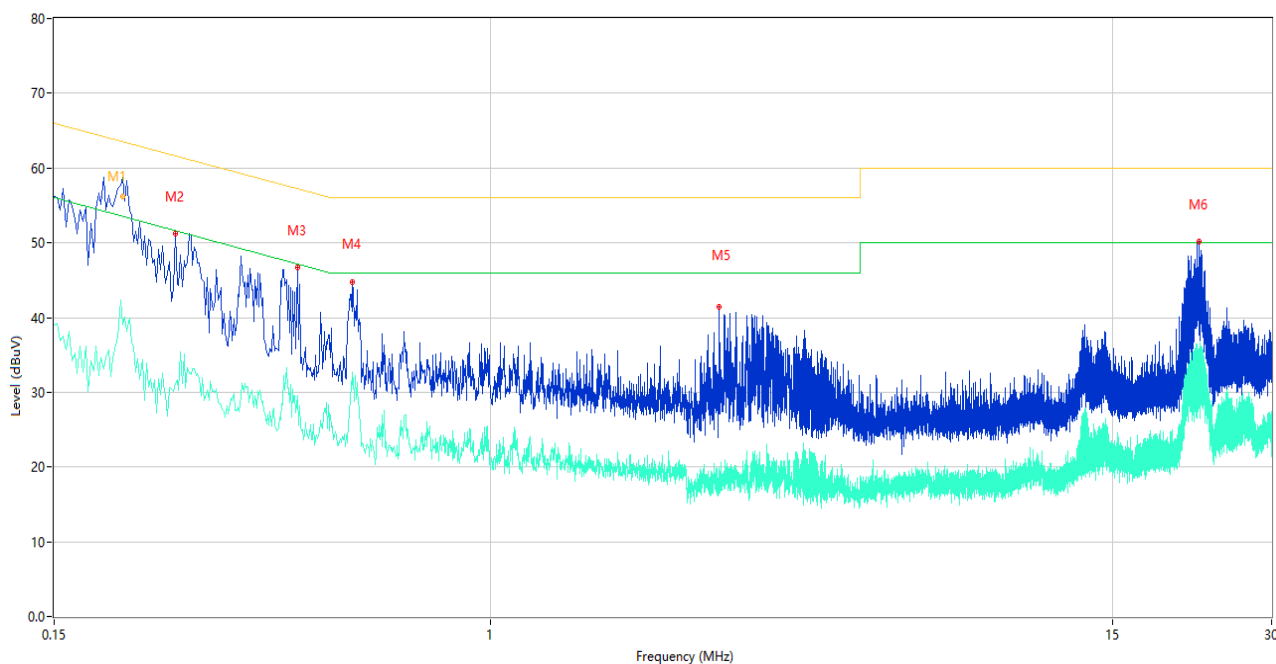
The USB Test Mode

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	62.65	10.30	66.00	3.35	Peak	L	N/A
1*	0.150	56.59	10.30	66.00	9.41	QP	L	Pass
1**	0.150	43.27	10.30	56.00	12.73	AV	L	Pass
2	0.206	51.98	10.27	63.37	11.39	Peak	L	N/A
2*	0.206	45.71	10.27	63.37	17.66	QP	L	Pass
2**	0.206	44.54	10.27	53.37	8.83	AV	L	Pass
3	0.266	54.76	10.26	61.24	6.48	Peak	L	Pass
3**	0.266	38.53	10.26	51.24	12.71	AV	L	Pass
4	0.420	49.12	10.26	57.45	8.33	Peak	L	Pass
4**	0.420	30.65	10.26	47.45	16.80	AV	L	Pass
5	13.378	47.30	12.70	60.00	12.70	Peak	L	Pass
5**	13.378	35.67	12.70	50.00	14.33	AV	L	Pass
6	21.302	55.68	14.73	60.00	4.32	Peak	L	N/A
6*	21.302	49.29	14.73	60.00	10.71	QP	L	Pass
6**	21.302	41.42	14.73	50.00	8.58	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.202	58.97	10.27	63.53	4.56	Peak	N	N/A
1*	0.202	56.27	10.27	63.53	7.26	QP	N	Pass
1**	0.202	39.02	10.27	53.53	14.51	AV	N	Pass
2	0.254	51.24	10.26	61.63	10.39	Peak	N	Pass
2**	0.254	31.19	10.26	51.63	20.44	AV	N	Pass
3	0.432	46.69	10.27	57.21	10.52	Peak	N	Pass
3**	0.432	29.46	10.27	47.21	17.75	AV	N	Pass
4	0.548	44.82	10.28	56.00	11.18	Peak	N	Pass
4**	0.548	32.67	10.28	46.00	13.33	AV	N	Pass
5	2.712	41.43	10.52	56.00	14.57	Peak	N	Pass
5**	2.712	19.86	10.52	46.00	26.14	AV	N	Pass
6	21.858	50.11	14.84	60.00	9.89	Peak	N	Pass
6**	21.858	33.93	14.84	50.00	16.07	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-SZ2580929-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2580929-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2580929-AI.PDF”.

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--END OF REPORT--