

# TEST REPORT

**Applicant:** OnePlus Technology (Shenzhen) Co., Ltd.  
**Address:** 18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China  
**Equipment Type:** Watch  
**Model Name:** OPWWE234  
**Brand Name:** ONEPLUS  
**FCC ID:** 2ABZ2-OPWWE234  
47 CFR Part 15 Subpart B  
**Test Standard:** ICES-003 (Issue 7, October 15, 2020)  
ANSI C63.4-2014  
**Sample Arrival Date:** Apr. 29, 2024  
**Test Date:** May 08, 2024 ~ Jun. 13, 2024  
**Date of Issue:** Jun. 17, 2024

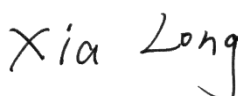
**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Xiong Chong



**Checked by:** Xia Long



**Approved by:** Liao Jianming  
(Technical Director)



<b>Revision History</b>		
Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jun. 17, 2024</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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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 laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

Applicant	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

### 2.2 Manufacturer Information

Manufacturer	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

### 2.3 General Description for Equipment under Test (EUT)

EUT Name	Watch
Model Name Under Test	OPWWE234
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	XK919
Software Version	OPWWE234_11_A.85
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

### 2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	OPPO
	Model No.	BLW013
	Serial No.	N/A
	Capacitance	500 mAh
	Rated Voltage	3.89 V
	Limited Voltage	4.48 V
	Manufacturer	Brich Electronic (Dong Guan) Limited
Ancillary Equipment 2	Charging Base	
	Brand Name	ONEPLUS
	Model No.	OWF21
Ancillary Equipment 3	Type-C Cable	
	Length (Approx.)	0.8 m

## 2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20) U-NII-1/3 GPS, GLONASS, Galileo, BDS, NFC
Classification of equipment	Class B
The highest internal frequency of EUT	5.85 GHz

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	ICES-003 (Issue 7, October 15, 2020)	Information Technology Equipment (Including Digital Apparatus)
3	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	ISED Rule	Test Verdict	Remark
1	Radiated Emission	15.109	ICES-003, 3.2.2	Pass	--
2	Conducted Emission, AC Ports	15.107	ICES-003, 3.2.1	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#4	4.4 dB
Radiated emissions (1 GHz-18 GHz)-966#4	5.0 dB

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Adapter	OPPO	VC54GBCH	N/A	N/A	N/A	<input checked="" type="checkbox"/>

### 4.2 Test Configurations

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

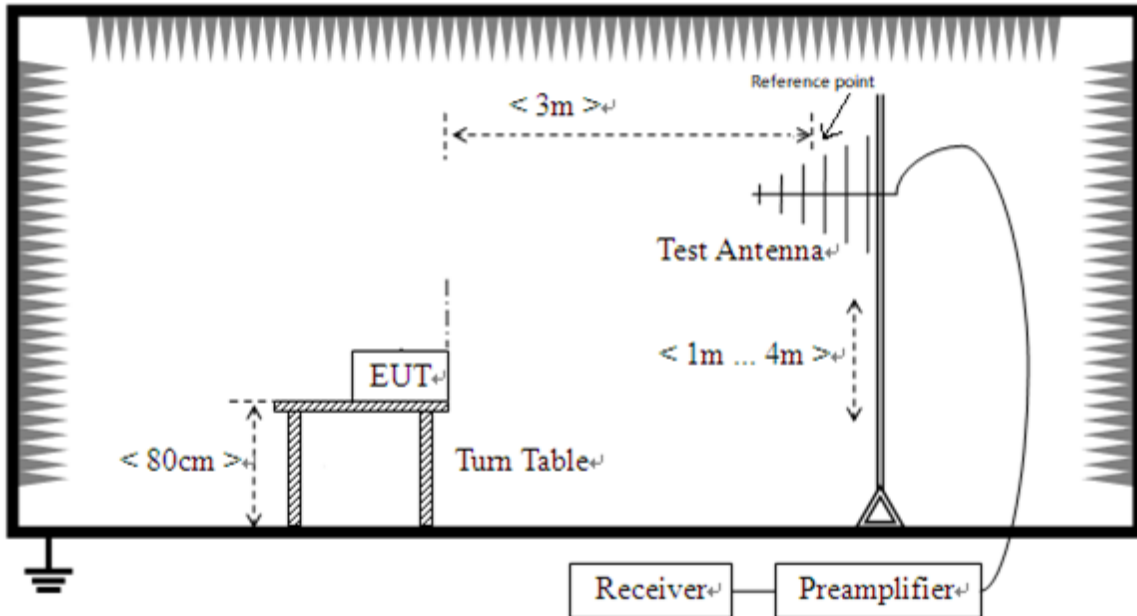
Test Mode Configuration	Description
Mode 1	<u>The Compass Test Mode</u> EUT + Battery + Charging Base + Type-C Cable + Adapter
Mode 2	<u>The Torch Test Mode</u> EUT + Battery + Charging Base + Type-C Cable + Adapter
Mode 3	<u>The Sport Monitoring Test Mode</u> EUT + Battery + Charging Base + Type-C Cable + Adapter

Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 3	3
Conducted Emission, AC Ports	Mode 1~Mode 3	3

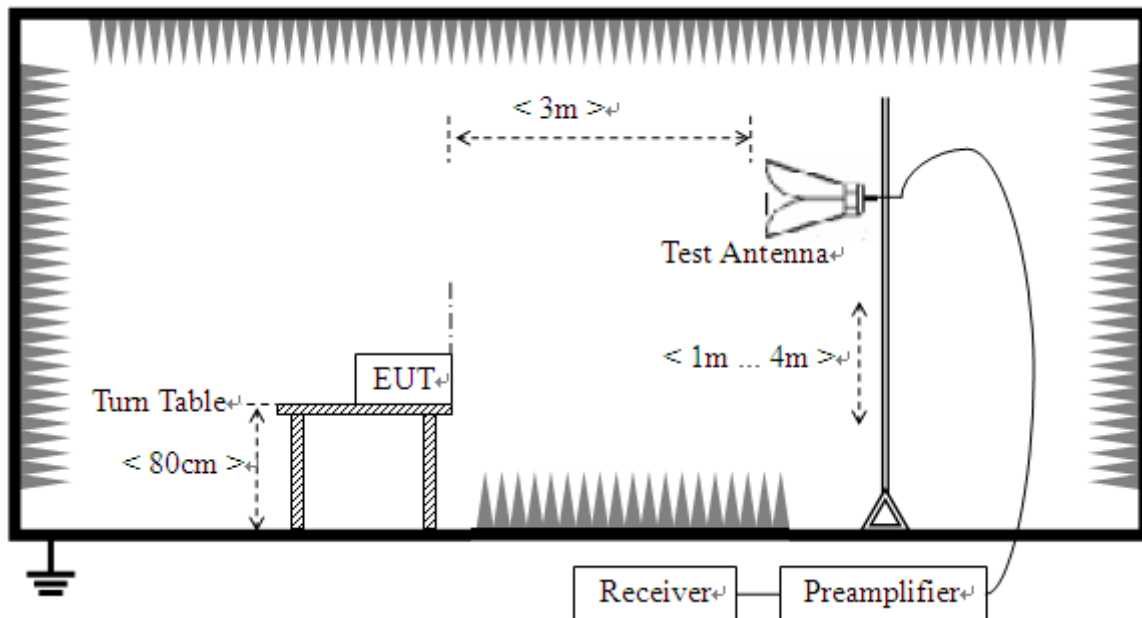
Note: Based on client request, all normal using modes of the normal function were tested, but only data of the worst mode was reported in this report.

### 4.3 Test Setups

#### Test Setup 1



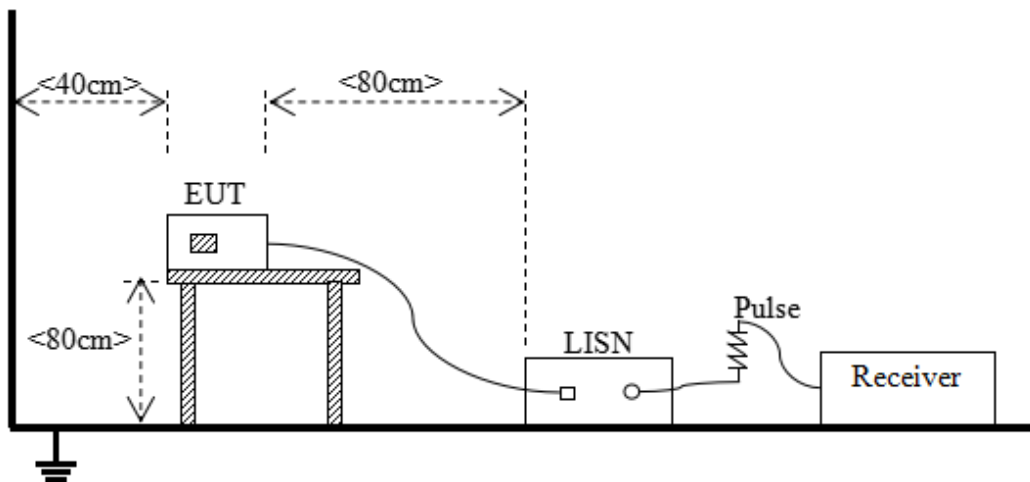
Radiated Emission (30 MHz-1 GHz)



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

FCC:

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\*log [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 ( $F_M$ )
$F_X \leq 108$ MHz	1 GHz
108 MHz $\leq F_X \leq 500$ MHz	2 GHz
500 MHz $\leq F_X \leq 1$ GHz	5 GHz

Highest internal frequency ( $F_x$ )	Highest measurement frequency ( $F_M$ )
$F_x \geq 1$ 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.	

IC:

Frequency range (MHz)	Class A (3 m)	Class B (3 m)
	Quasi-peak (dB $\mu$ V/m)	Quasi-peak (dB $\mu$ V/m)
30 - 88	50.0	40.0
88 - 216	54.0	43.5
216 - 230	56.9	46.0
230 - 960	57.0	47.0
960 - 1000	60.0	54.0
Note: The more stringent limit applies at transition frequencies.		

Frequency range (GHz)	Class A (3 m)		Class B (3 m)	
	Average (dB $\mu$ V/m)	Peak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Peak (dB $\mu$ V/m)
1 - $F_M$	60	80	54	74

Note:

- The highest measurement frequency,  $F_M$ , in GHz, shall be determined as next Table.
- The measurement bandwidth shall be 1 MHz or greater.
- These limit levels apply for a measurement distance of 3 m. If using a different measurement distance, the measured levels shall be extrapolated to the 3 m limit distance using a factor of 20 dB per decade of distance. The measurement distance shall place the measurement antenna in the far field of the ITE or digital apparatus under test.
- The test site shall have been validated at the distance used for radiated emission measurements on the ITE or digital apparatus under test.

Highest internal frequency ( $F_x$ )	Highest measurement frequency ( $F_M$ )
$F_x \leq 108$ MHz	1GHz
$108$ MHz $\leq F_x \leq 500$ MHz	2GHz
$500$ MHz $\leq F_x \leq 1$ GHz	5GHz
$F_x \geq 1$ GHz	$5 * F_x$ up to a maximum of 40 GHz
Note: $F_x$ is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test.	

### 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

The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

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  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak for  $f < 1$  GHz, peak & RMS Average for  $f \geq 1$  GHz

Trace = max hold

## 5.1.1.4 Test Result and Test Equipment List

Please refer to ANNEX A.1.

## NOTE:

1. Results (dB $\mu$ V/m) = Reading (dB $\mu$ 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 $\mu$ V)	Average (dB $\mu$ V)
0.15 - 0.50	79	66
0.50 - 30	73	60

Frequency range (MHz)	Class B	
	Quasi-peak (dB $\mu$ V)	Average (dB $\mu$ 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.
- 3) The limit using ANSI C63.4.

### 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 test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

The EUT is connected to the power mains through a LISN which provides 50  $\Omega$ /50  $\mu$ 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 $\mu$ V) = Reading (dB $\mu$ 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

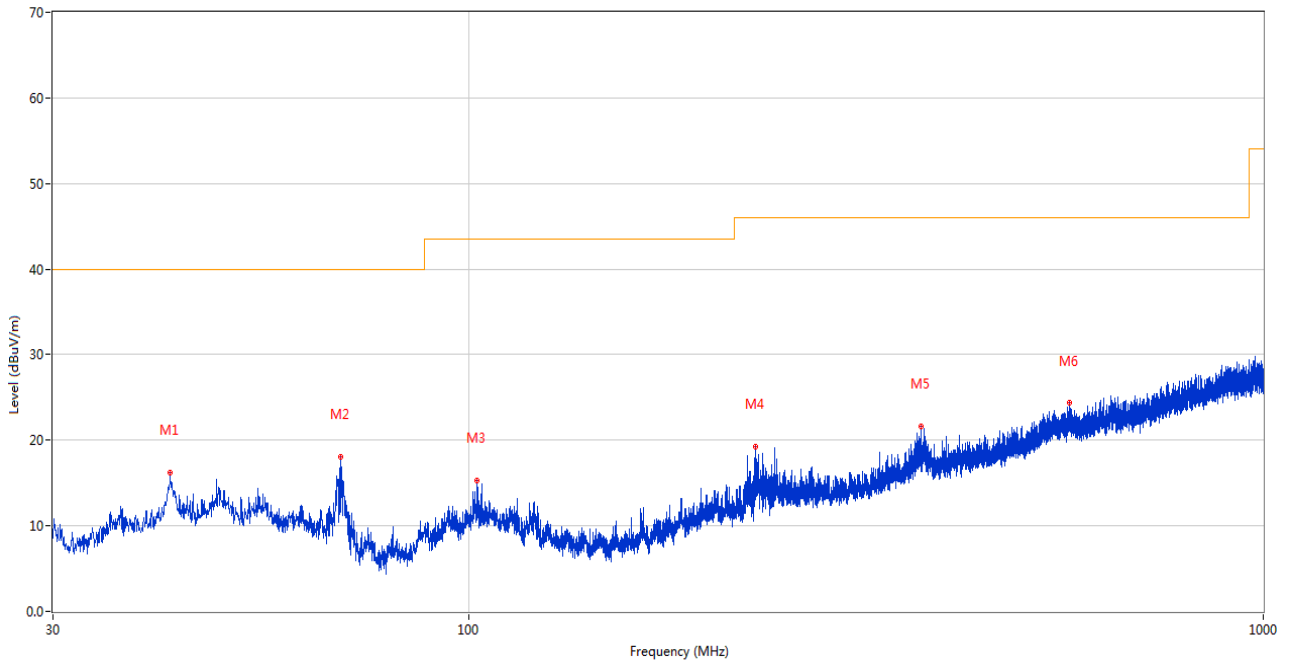
Note 1: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 2: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	S01	Temperature	26.3°C
Humidity	55%RH	Pressure	101kPa
Test Engineer	Huang Xinghong	Test Date	2024.05.08

**Test Mode 3**

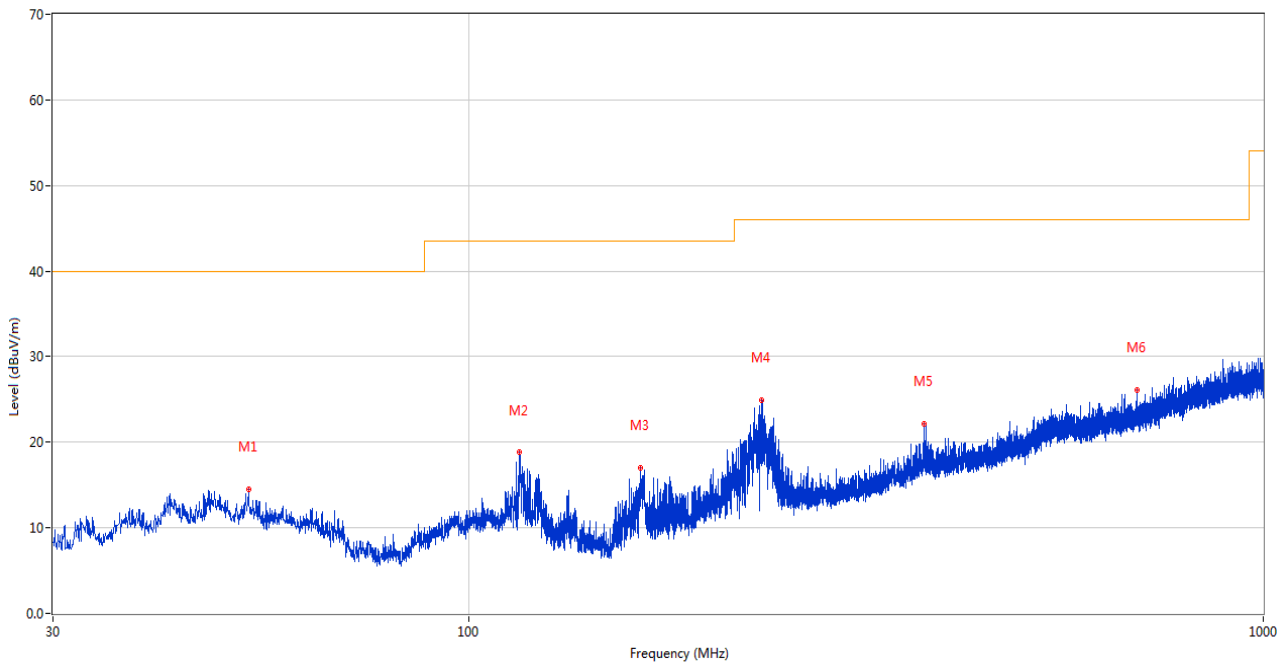
**1) Test Antenna Vertical, 30 MHz – 1 GHz (FCC)**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	42.125	16.20	-23.45	40.0	23.80	Peak	195.00	100	Vertical	Pass
2	68.994	18.01	-26.50	40.0	21.99	Peak	331.80	100	Vertical	Pass
3	102.604	15.33	-24.48	43.5	28.17	Peak	213.40	100	Vertical	Pass
4	229.578	19.30	-23.44	46.0	26.70	Peak	358.70	100	Vertical	Pass
5	370.567	21.61	-19.67	46.0	24.39	Peak	311.40	100	Vertical	Pass
6	569.611	24.33	-14.98	46.0	21.67	Peak	96.00	100	Vertical	Pass

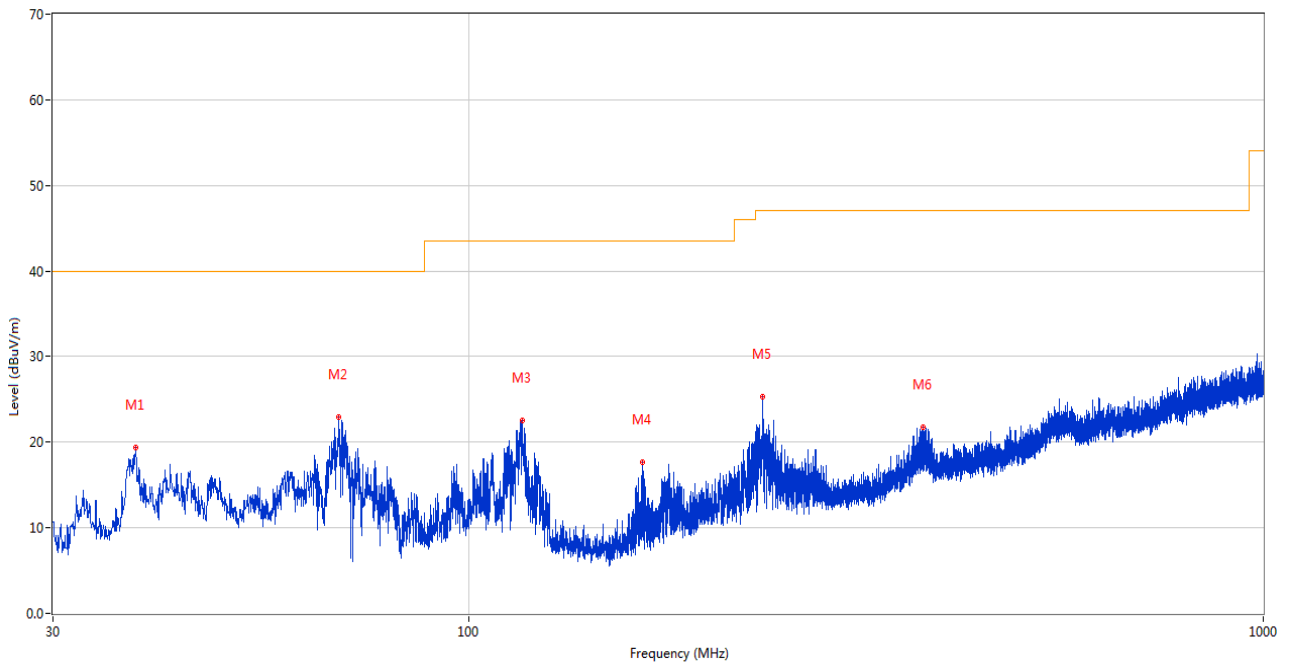


2) Test Antenna Horizontal, 30 MHz – 1 GHz (FCC)



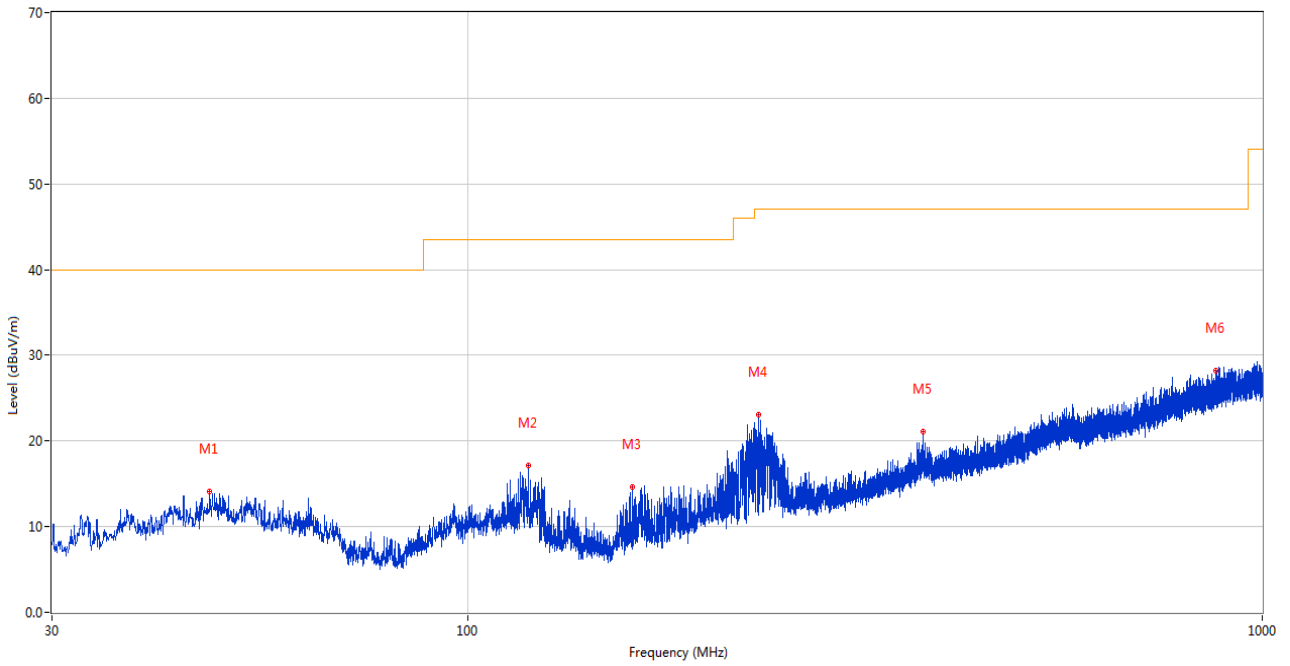
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.892	14.51	-23.02	40.0	25.49	Peak	304.60	100	Horizontal	Pass
2	115.748	18.79	-25.56	43.5	24.71	Peak	218.80	100	Horizontal	Pass
3	164.490	17.01	-26.80	43.5	26.49	Peak	56.60	100	Horizontal	Pass
4	233.458	24.91	-23.14	46.0	21.09	Peak	263.40	100	Horizontal	Pass
5	374.010	22.10	-19.12	46.0	23.90	Peak	281.90	100	Horizontal	Pass
6	692.801	26.07	-13.17	46.0	19.93	Peak	287.00	100	Horizontal	Pass

3) Test Antenna Vertical, 30 MHz – 1 GHz (IC)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.099	19.36	-24.50	40.0	20.64	Peak	84.50	100	Vertical	Pass
2	68.655	22.98	-26.25	40.0	17.02	Peak	48.40	100	Vertical	Pass
3	116.718	22.57	-25.76	43.5	20.93	Peak	88.90	100	Vertical	Pass
4	165.654	17.65	-26.73	43.5	25.85	Peak	59.00	100	Vertical	Pass
5	234.185	25.34	-23.06	47.0	21.66	Peak	355.00	100	Vertical	Pass
6	373.526	21.72	-19.30	47.0	25.28	Peak	160.60	100	Vertical	Pass

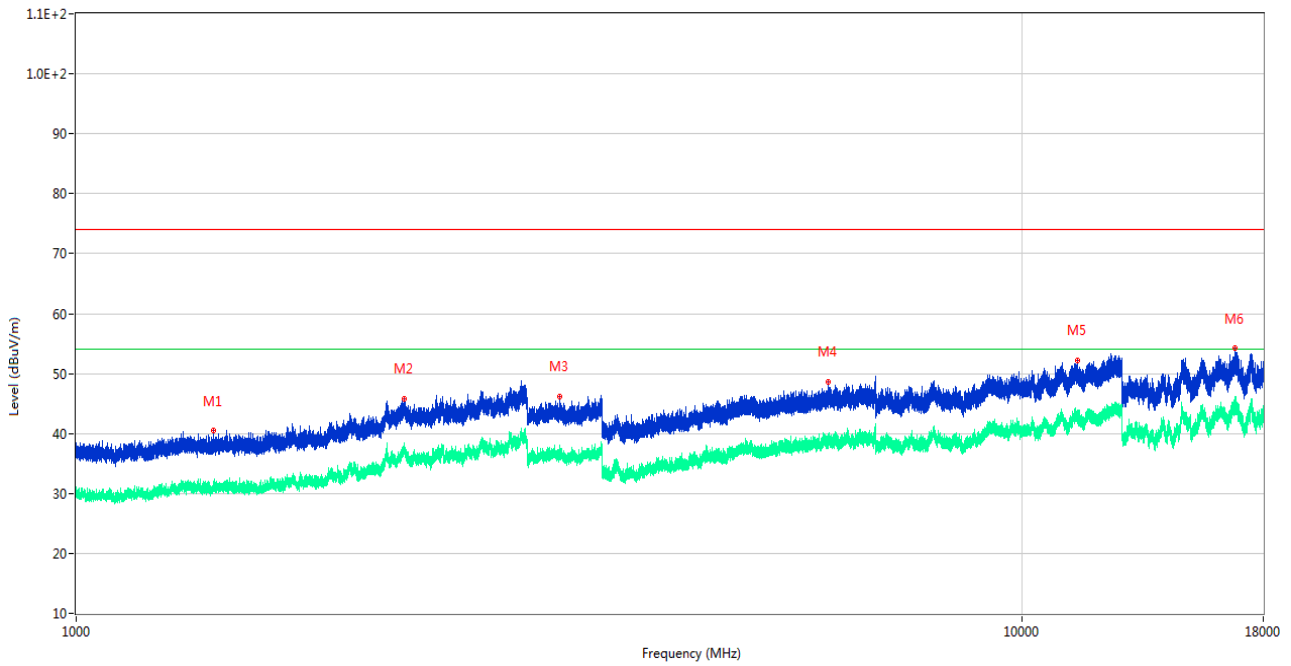
4) Test Antenna Horizontal, 30 MHz – 1 GHz (IC)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.411	14.08	-22.78	40.0	25.92	Peak	45.80	100	Horizontal	Pass
2	119.288	17.15	-25.81	43.5	26.35	Peak	193.50	100	Horizontal	Pass
3	161.290	14.69	-27.19	43.5	28.81	Peak	17.50	100	Horizontal	Pass
4	232.536	23.13	-23.26	47.0	23.87	Peak	258.80	100	Horizontal	Pass
5	374.108	21.10	-19.08	47.0	25.90	Peak	258.80	100	Horizontal	Pass
6	874.870	28.16	-10.59	47.0	18.84	Peak	218.00	100	Horizontal	Pass

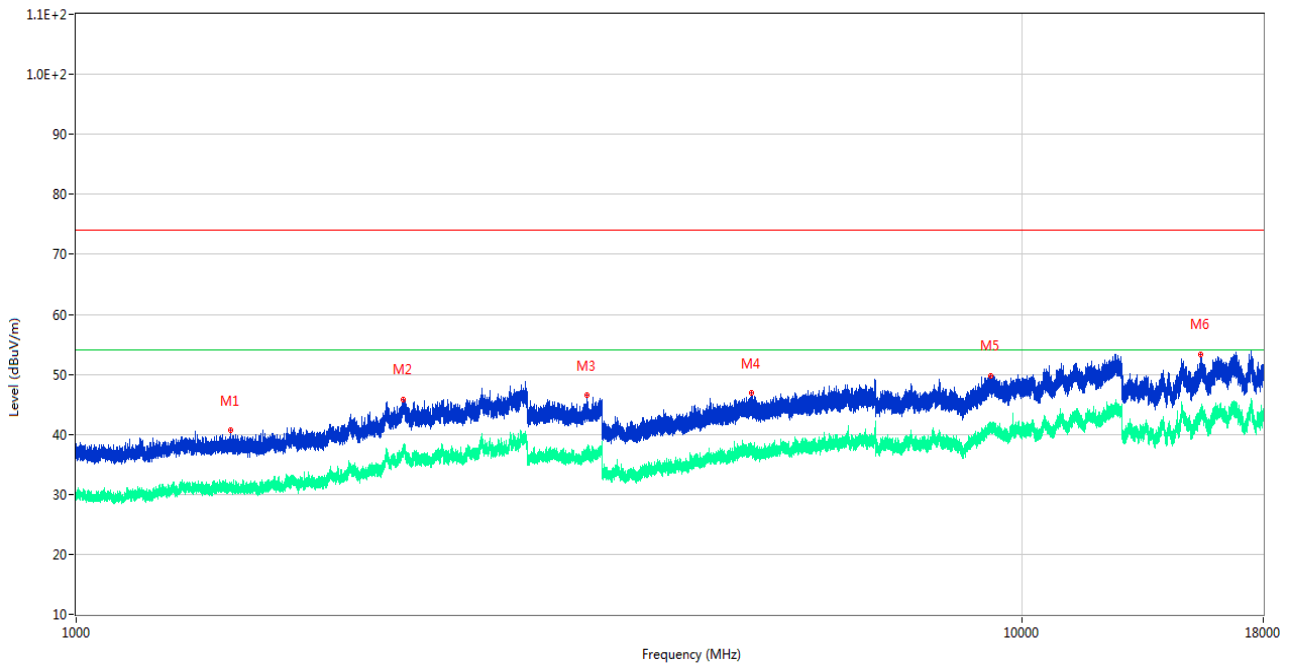
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04	<input checked="" type="checkbox"/>
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9163	9163-624	2021.08.20	2024.08.19	<input checked="" type="checkbox"/>
Anechoic Chamber (#4)	ChangNing	9m*6m*6m	101	2023.03.04	2026.03.03	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

5) 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	1396.000	40.53	-14.98	74.0	33.47	Peak	27.50	200	Vertical	Pass
1**	1396.000	31.95	-14.98	54.0	22.05	AV	27.50	200	Vertical	Pass
2	2221.800	45.75	-8.39	74.0	28.25	Peak	312.40	100	Vertical	Pass
2**	2221.800	37.29	-8.39	54.0	16.71	AV	312.40	100	Vertical	Pass
3	3243.400	46.08	-7.69	74.0	27.92	Peak	165.60	200	Vertical	Pass
3**	3243.400	36.44	-7.69	54.0	17.56	AV	165.60	200	Vertical	Pass
4	6246.800	48.70	-2.65	74.0	25.30	Peak	301.30	100	Vertical	Pass
4**	6246.800	38.22	-2.65	54.0	15.78	AV	301.30	100	Vertical	Pass
5	11444.175	52.21	20.98	74.0	21.79	Peak	219.60	100	Vertical	Pass
5**	11444.175	42.84	20.98	54.0	11.16	AV	219.60	100	Vertical	Pass
6	16802.475	54.18	25.26	74.0	19.82	Peak	188.10	100	Vertical	Pass
6**	16802.475	44.01	25.26	54.0	9.99	AV	188.10	100	Vertical	Pass

6) 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	1457.300	40.63	-15.14	74.0	33.37	Peak	3.40	100	Horizontal	Pass
1**	1457.300	31.08	-15.14	54.0	22.92	AV	3.40	100	Horizontal	Pass
2	2220.000	45.74	-8.50	74.0	28.26	Peak	348.80	200	Horizontal	Pass
2**	2220.000	37.35	-8.50	54.0	16.65	AV	348.80	200	Horizontal	Pass
3	3471.800	46.50	-7.38	74.0	27.50	Peak	0.80	100	Horizontal	Pass
3**	3471.800	36.62	-7.38	54.0	17.38	AV	0.80	100	Horizontal	Pass
4	5171.800	46.85	-2.40	74.0	27.15	Peak	35.70	100	Horizontal	Pass
4**	5171.800	37.31	-2.40	54.0	16.69	AV	35.70	100	Horizontal	Pass
5	9272.401	49.78	19.95	74.0	24.22	Peak	275.70	200	Horizontal	Pass
5**	9272.401	41.20	19.95	54.0	12.80	AV	275.70	200	Horizontal	Pass
6	15461.363	53.35	24.48	74.0	20.65	Peak	101.80	100	Horizontal	Pass
6**	15461.363	44.07	24.48	54.0	9.93	AV	101.80	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
EMI Receiver	R&S	FSV-40	101544	2023.12.27	2024.12.26	<input checked="" type="checkbox"/>
Amplifier (1-12GHz)	COM-MV	DLNAB-1000- 12000-002	18080279	2023.12.05	2024.12.04	<input checked="" type="checkbox"/>
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	619201336	2023.12.05	2024.12.04	<input checked="" type="checkbox"/>
Amplifier (18-40GHz)	COM-MV	KA_LNA18- 40G-01	18050001	2021.07.02	2024.07.01	<input checked="" type="checkbox"/>
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	1148	2022.04.12	2025.04.11	<input checked="" type="checkbox"/>
Test Antenna- Horn	A-INFOMW	LB-180400KF	J211060273	2021.07.02	2024.07.01	<input checked="" type="checkbox"/>
Anechoic Chamber (#4)	ChangNing	9m*6m*6m	101	2023.03.04	2026.03.03	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

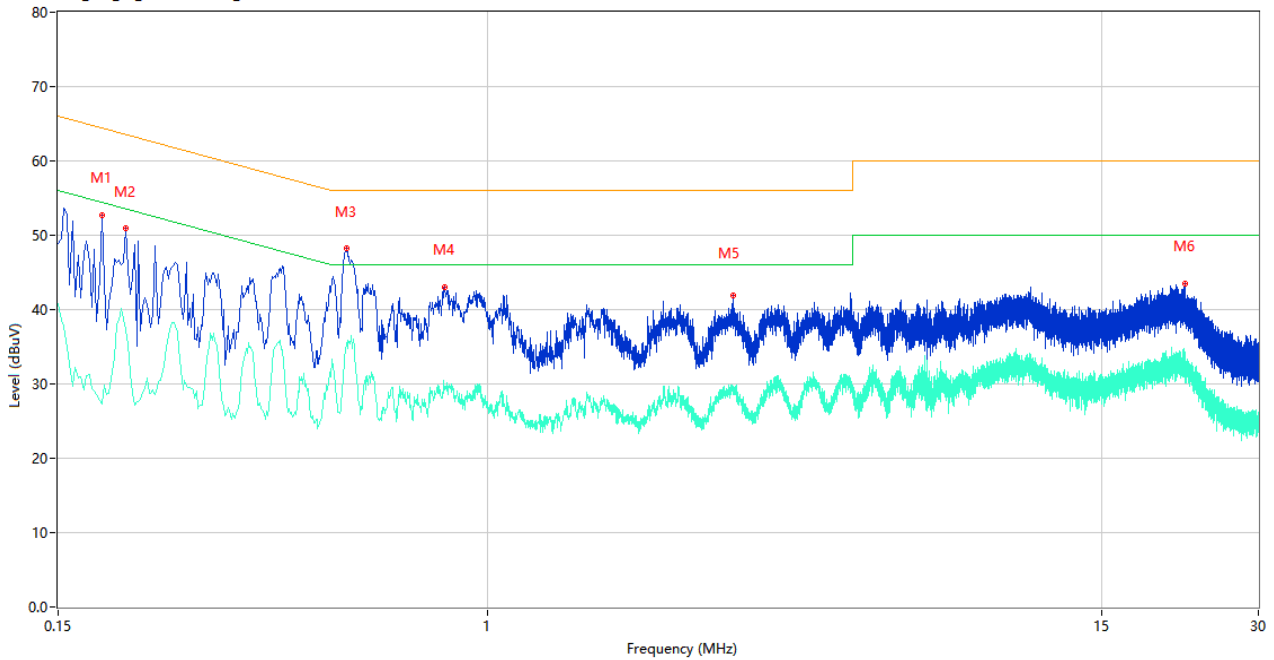
## A.2 Conducted Emission, AC Ports

Sample No.	S01	Temperature	25°C
Humidity	62%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2024.06.13

### Test Mode 3

#### 1) AC Ports - L Phase

CE Test case\_FCC\_CE\_FCC PART 15B\_Class B

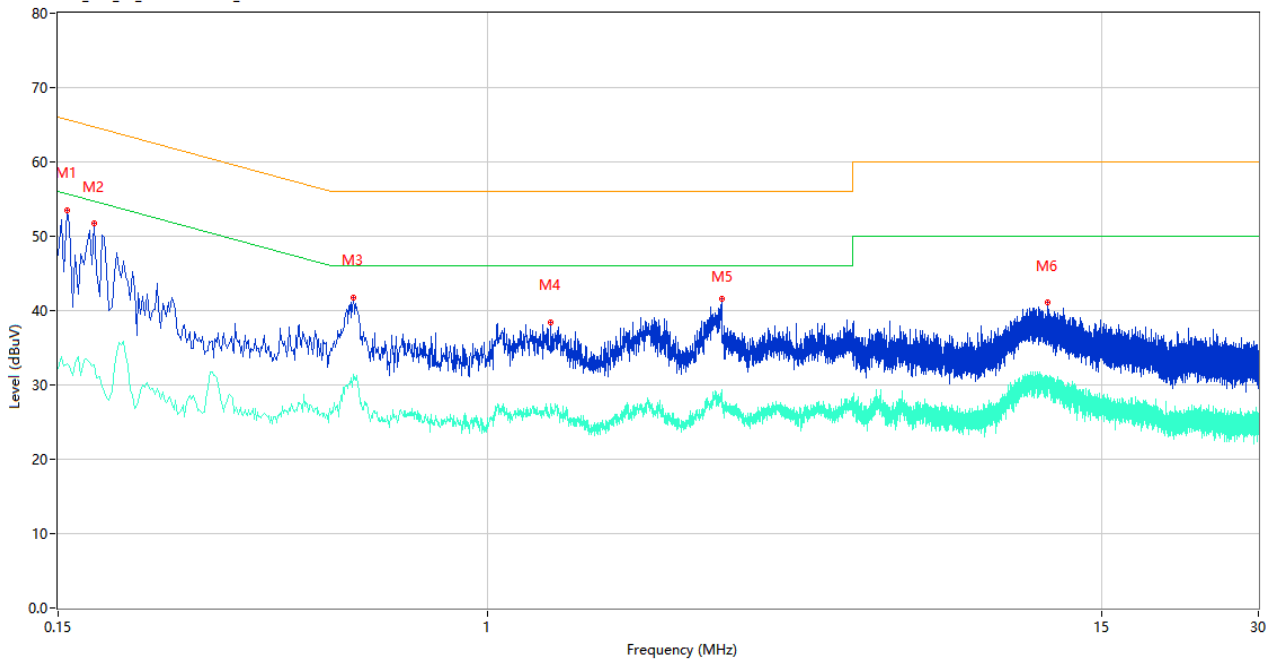


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.182	52.77	9.78	64.39	11.62	Peak	L	Pass
1**	0.182	27.32	9.78	54.39	27.07	AV	L	Pass
2	0.202	50.91	9.77	63.53	12.62	Peak	L	Pass
2**	0.202	37.31	9.77	53.53	16.22	AV	L	Pass
3	0.536	48.19	10.01	56.00	7.81	Peak	L	Pass
3**	0.536	35.61	10.01	46.00	10.39	AV	L	Pass
4	0.826	43.04	10.58	56.00	12.96	Peak	L	Pass
4**	0.826	29.18	10.58	46.00	16.82	AV	L	Pass
5	2.946	41.89	10.18	56.00	14.11	Peak	L	Pass
5**	2.946	29.62	10.18	46.00	16.38	AV	L	Pass
6	21.718	43.56	10.99	60.00	16.44	Peak	L	Pass
6**	21.718	33.34	10.99	50.00	16.66	AV	L	Pass



2) AC Ports - N Phase

CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	53.49	9.78	65.67	12.18	Peak	N	Pass
1**	0.156	32.92	9.78	55.67	22.75	AV	N	Pass
2	0.176	51.74	9.78	64.67	12.93	Peak	N	Pass
2**	0.176	32.67	9.78	54.67	22.00	AV	N	Pass
3	0.552	41.80	10.03	56.00	14.20	Peak	N	Pass
3**	0.552	31.36	10.03	46.00	14.64	AV	N	Pass
4	1.318	38.44	10.32	56.00	17.56	Peak	N	Pass
4**	1.318	26.74	10.32	46.00	19.26	AV	N	Pass
5	2.804	41.57	10.29	56.00	14.43	Peak	N	Pass
5**	2.804	28.59	10.29	46.00	17.41	AV	N	Pass
6	11.842	41.04	10.45	60.00	18.96	Peak	N	Pass
6**	11.842	30.20	10.45	50.00	19.80	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
LISN	SCHWARZB ECK	NSLK 8127	8127-687	2024.05.09	2025.05.08	<input checked="" type="checkbox"/>
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8 m	112	2022.02.19	2025.02.18	<input checked="" type="checkbox"/>
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2450087-AE-1.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2450087-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2450087-AI.PDF”.

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--END OF REPORT--