

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: OPWWE231
Brand Name: ONEPLUS
FCC ID: 2ABZ2-OPWWE231
47 CFR Part 15 Subpart B
Test Standard: ICES-003 (Issue 7, October 15, 2020)
ANSI C63.4-2014
Sample Arrival Date: Sep. 05, 2023
Test Date: Sep. 16, 2023 - Sep. 19, 2023
Date of Issue: Nov. 23, 2023

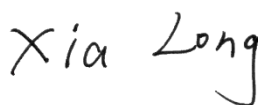
ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Chong

Checked by: Xia Long

Approved by: Liao Jianming
(Technical Director)



Revision History		
Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Nov. 23, 2023</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	OPWWE231
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	XJ909
Software Version	OPWWE231_11_A.02
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
Ancillary Equipment 2	Charging Base	
Ancillary Equipment 2	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	AK903HK	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.

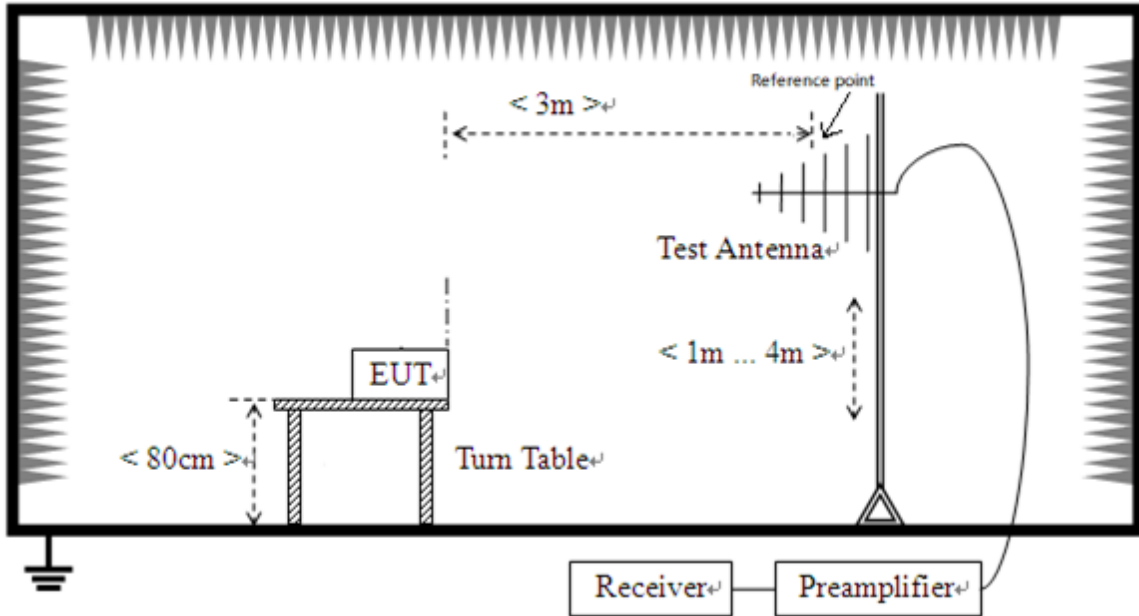
Test Mode Configuration	Description
Mode 1	<u>The Compass Test Mode</u> EUT + Battery + Charging Base + Type-C Cable + Adapter
Mode 2	<u>The Torch Test Mode</u> EUT + Battery + Charging Base + Type-C Cable + Adapter
Mode 3	<u>The Sport Monitoring Test Mode</u> EUT + Battery + Charging Base + Type-C Cable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

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

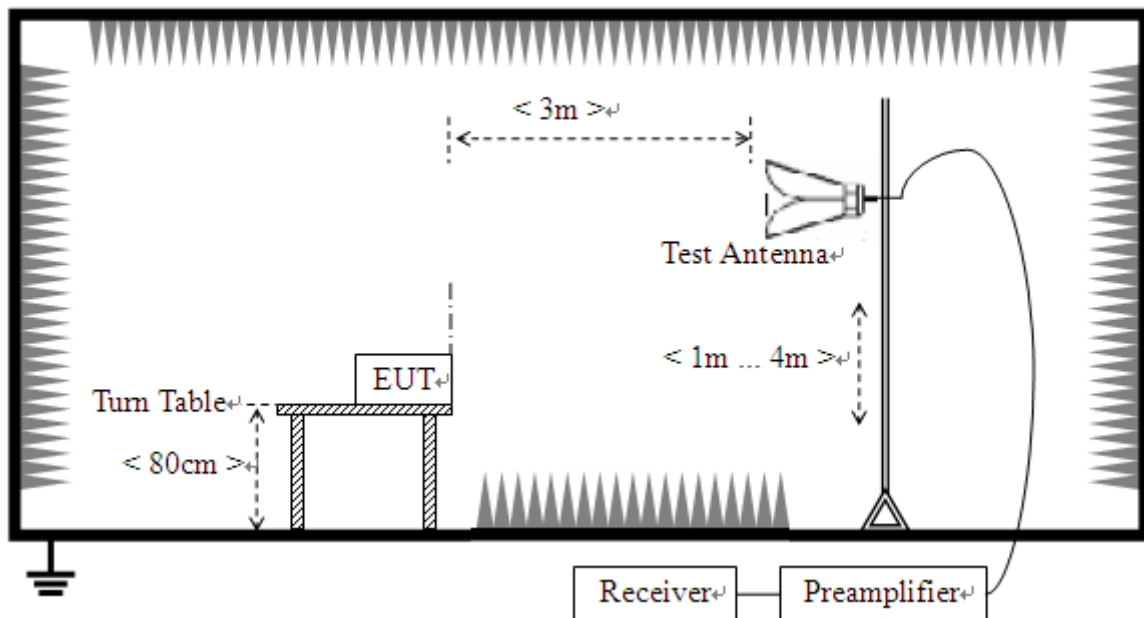
Note: Based on client request, all normal using modes of the normal function were tested, but only data of the worst mode was reported in this report.

4.3 Test Setups

Test Setup 1

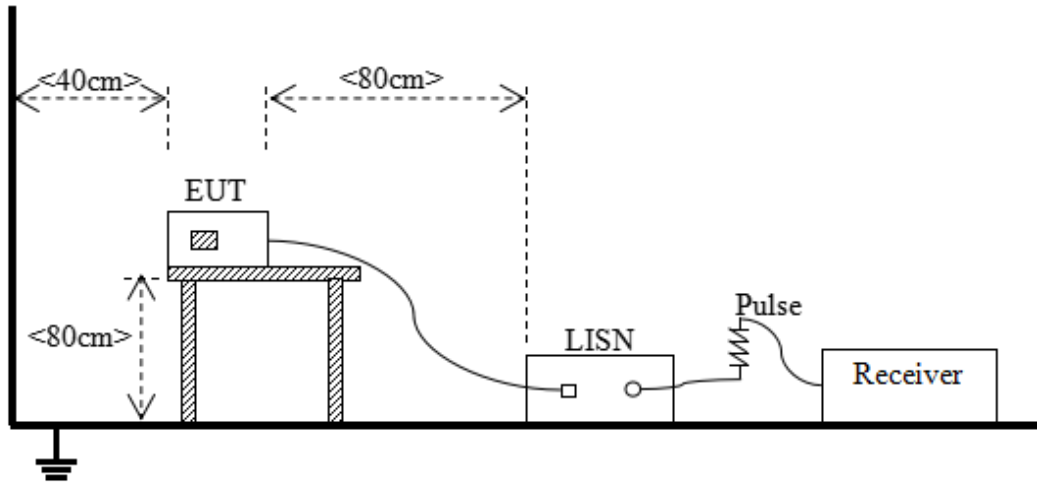


Radiated Emission (30 MHz-1 GHz)



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 $\mu\text{V/m}$) = $20 \cdot \log$ [Field Strength ($\mu\text{V/m}$)].
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) The limits using ANSI C63.4.
- 4) 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
$F_X \geq 1$ 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) Quasi-peak (dB μ V/m)	Class B (3 m) Quasi-peak (dB μ 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

Frequency range (GHz)	Class A (3 m) Average (dB μ V/m)	Class A (3 m) Peak (dB μ V/m)	Class B (3 m) Average (dB μ V/m)	Class B (3 m) Peak (dB μ 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 μ V/m) = Reading (dB μ V/m) + 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.
- 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 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

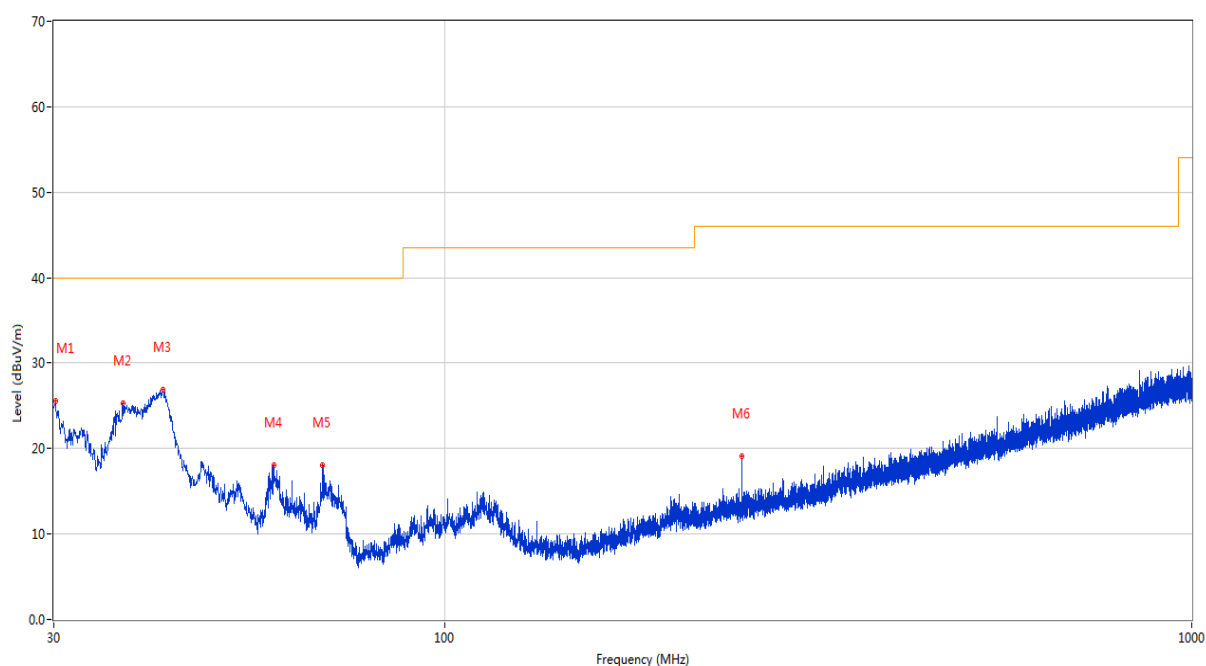
Note 1: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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	25.1°C
Humidity	49%RH	Pressure	101kPa
Test Engineer	Tian Shuo	Test Date	2023.09.18-2023.09.19

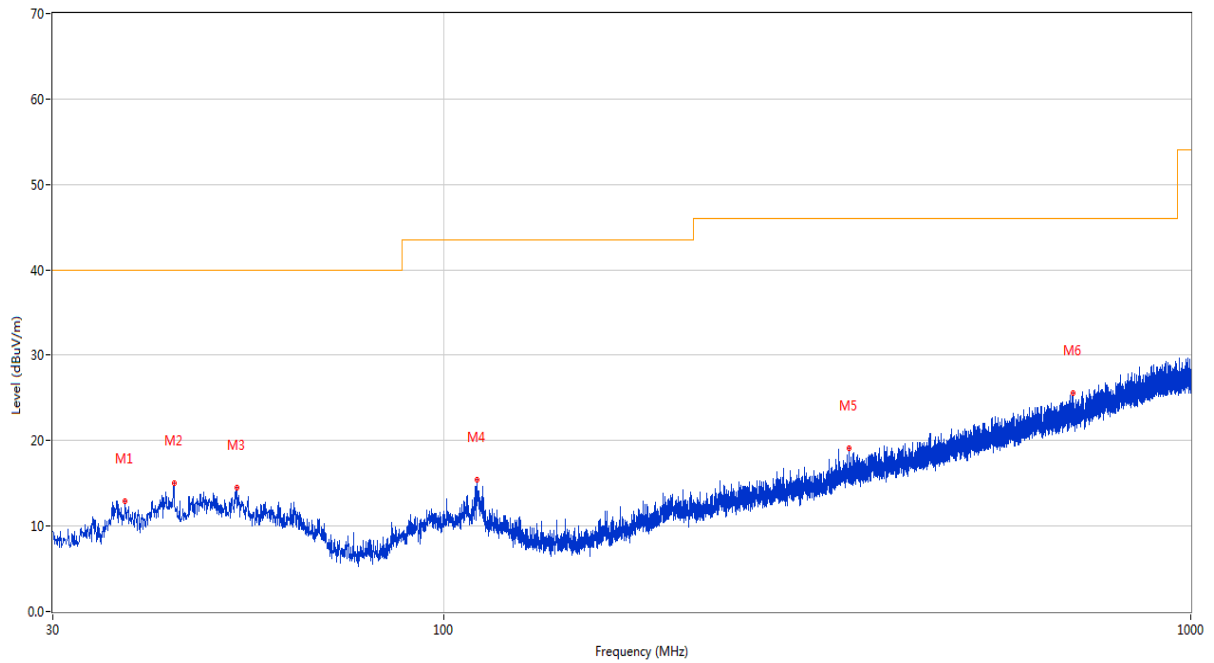
Test Mode 3

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



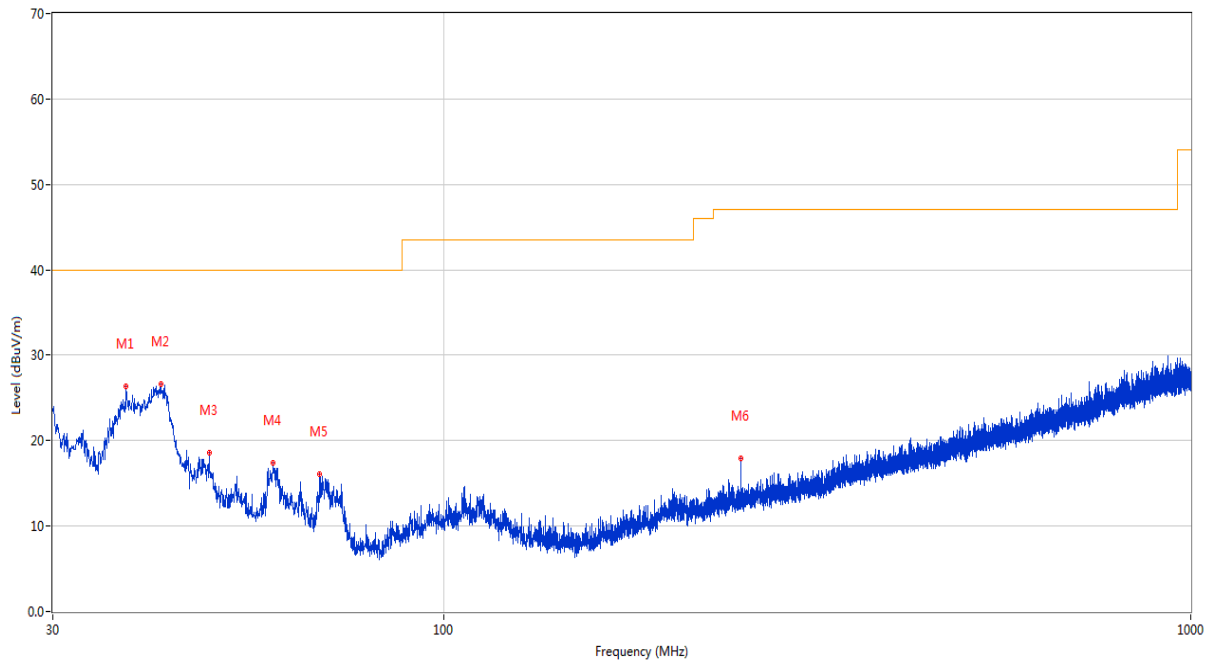
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.145	25.58	-25.98	40.0	14.42	Peak	212.90	100	Vertical	Pass
2	37.130	25.28	-24.61	40.0	14.72	Peak	0.00	100	Vertical	Pass
3	41.980	26.92	-23.46	40.0	13.08	Peak	360.00	100	Vertical	Pass
4	59.051	18.10	-24.02	40.0	21.90	Peak	241.30	100	Vertical	Pass
5	68.703	18.04	-26.29	40.0	21.96	Peak	327.60	100	Vertical	Pass
6	250.044	19.12	-22.91	46.0	26.88	Peak	211.20	200	Vertical	Pass

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



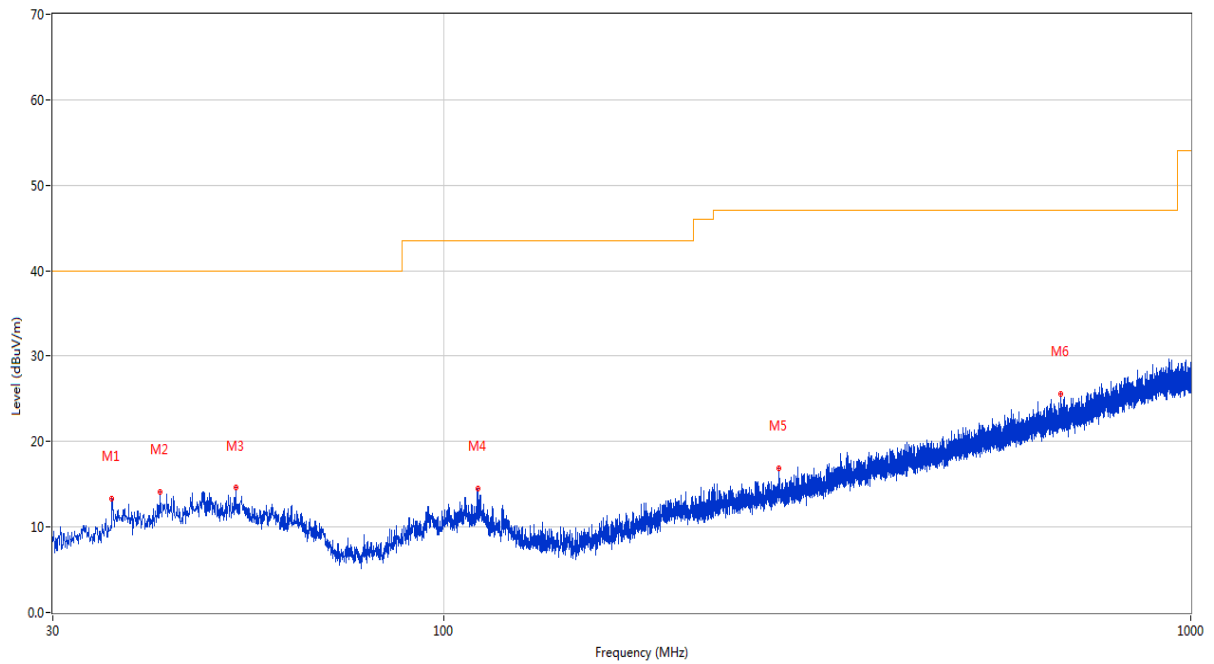
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.517	12.95	-24.56	40.0	27.05	Peak	154.50	100	Horizontal	Pass
2	43.580	15.07	-23.33	40.0	24.93	Peak	35.50	100	Horizontal	Pass
3	52.892	14.53	-23.02	40.0	25.47	Peak	282.20	100	Horizontal	Pass
4	110.995	15.38	-24.51	43.5	28.12	Peak	132.80	200	Horizontal	Pass
5	349.421	19.10	-20.07	46.0	26.90	Peak	213.80	100	Horizontal	Pass
6	694.984	25.64	-12.94	46.0	20.36	Peak	167.50	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	37.614	26.33	-24.54	40.0	13.67	Peak	264.40	100	Vertical	Pass
2	41.834	26.63	-23.51	40.0	13.37	Peak	32.40	100	Vertical	Pass
3	48.624	18.63	-22.51	40.0	21.37	Peak	358.10	100	Vertical	Pass
4	59.197	17.38	-24.00	40.0	22.62	Peak	196.30	100	Vertical	Pass
5	68.315	16.10	-26.00	40.0	23.90	Peak	177.30	100	Vertical	Pass
6	250.093	17.99	-22.90	47.0	29.01	Peak	0.10	200	Vertical	Pass

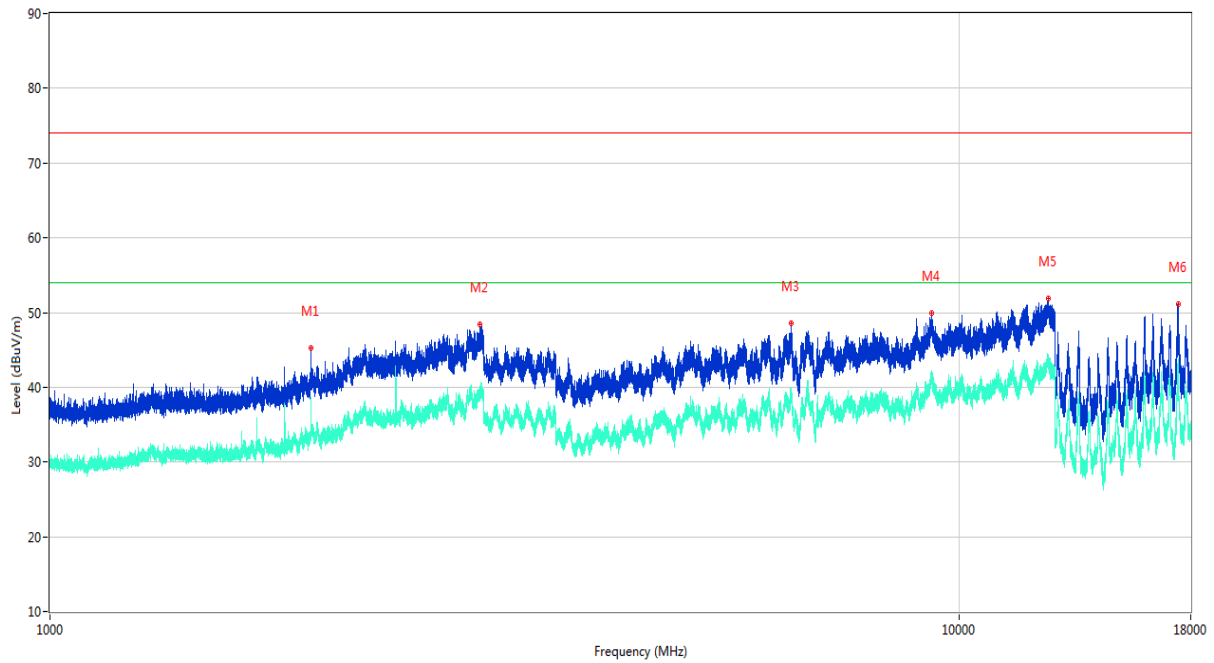
4) Test Antenna Horizontal, 30 MHz – 1 GHz (IC)



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.014	13.30	-24.98	40.0	26.70	Peak	360.00	200	Horizontal	Pass
2	41.737	14.10	-23.55	40.0	25.90	Peak	135.60	100	Horizontal	Pass
3	52.698	14.58	-23.05	40.0	25.42	Peak	125.10	100	Horizontal	Pass
4	111.189	14.50	-24.50	43.5	29.00	Peak	95.70	200	Horizontal	Pass
5	280.890	16.86	-21.73	47.0	30.14	Peak	359.90	200	Horizontal	Pass
6	669.230	25.58	-13.27	47.0	21.42	Peak	69.40	200	Horizontal	Pass

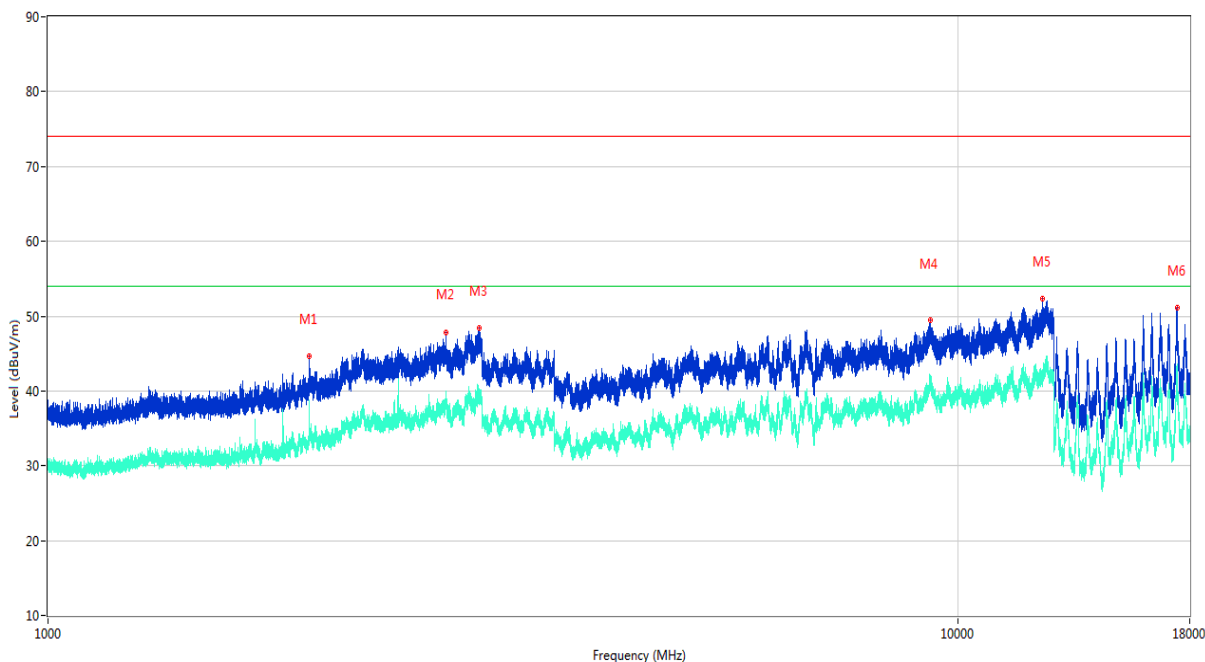
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119082	2022.12.07	2023.12.06	<input checked="" 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	1937.700	45.28	-12.93	74.0	28.72	Peak	101.20	100	Vertical	Pass
1**	1937.700	38.33	-12.93	54.0	15.67	AV	101.20	100	Vertical	Pass
2	2974.400	48.35	-5.71	74.0	25.65	Peak	56.50	200	Vertical	Pass
2**	2974.400	38.77	-5.71	54.0	15.23	AV	56.50	200	Vertical	Pass
3	6538.400	48.55	-1.44	74.0	25.45	Peak	0.00	100	Vertical	Pass
3**	6538.400	39.48	-1.44	54.0	14.52	AV	0.00	100	Vertical	Pass
4	9340.537	49.87	20.39	74.0	24.13	Peak	14.90	200	Vertical	Pass
4**	9340.537	40.99	20.39	54.0	13.01	AV	14.90	200	Vertical	Pass
5	12559.100	51.86	21.88	74.0	22.14	Peak	324.40	100	Vertical	Pass
5**	12559.100	42.91	21.88	54.0	11.09	AV	324.40	100	Vertical	Pass
6	17428.802	51.10	25.73	74.0	22.90	Peak	262.70	100	Vertical	Pass
6**	17428.802	42.30	25.73	54.0	11.70	AV	262.70	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	1937.800	44.58	-12.92	74.0	29.42	Peak	135.80	200	Horizontal	Pass
1**	1937.800	38.28	-12.92	54.0	15.72	AV	135.80	200	Horizontal	Pass
2	2739.000	47.84	-6.52	74.0	26.16	Peak	1.20	100	Horizontal	Pass
2**	2739.000	39.21	-6.52	54.0	14.79	AV	1.20	100	Horizontal	Pass
3	2982.000	48.37	-5.02	74.0	25.63	Peak	331.10	100	Horizontal	Pass
3**	2982.000	40.31	-5.02	54.0	13.69	AV	331.10	100	Horizontal	Pass
4	9340.537	49.53	20.39	74.0	24.47	Peak	357.90	200	Horizontal	Pass
4**	9340.537	41.51	20.39	54.0	12.49	AV	357.90	200	Horizontal	Pass
5	12399.537	52.28	21.43	74.0	21.72	Peak	360.00	100	Horizontal	Pass
5**	12399.537	41.54	21.43	54.0	12.46	AV	360.00	100	Horizontal	Pass
6	17435.099	51.13	25.74	74.0	22.87	Peak	108.70	100	Horizontal	Pass
6**	17435.099	41.97	25.74	54.0	12.03	AV	108.70	100	Horizontal	Pass

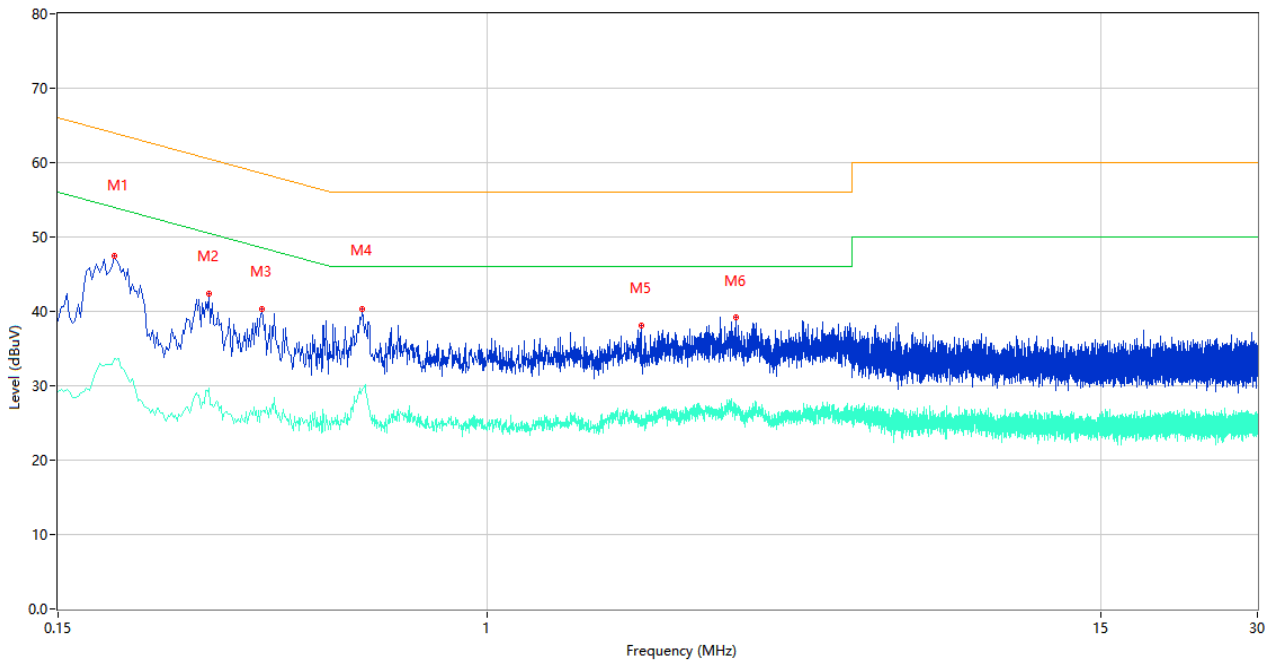
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Amplifier (1-12GHz)	COM-MV	DLNAB-1000- 12000-002	18080279	2022.12.07	2023.12.06	<input checked="" type="checkbox"/>
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	619201336	2022.12.07	2023.12.06	<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	23.3°C
Humidity	58%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2023.09.16

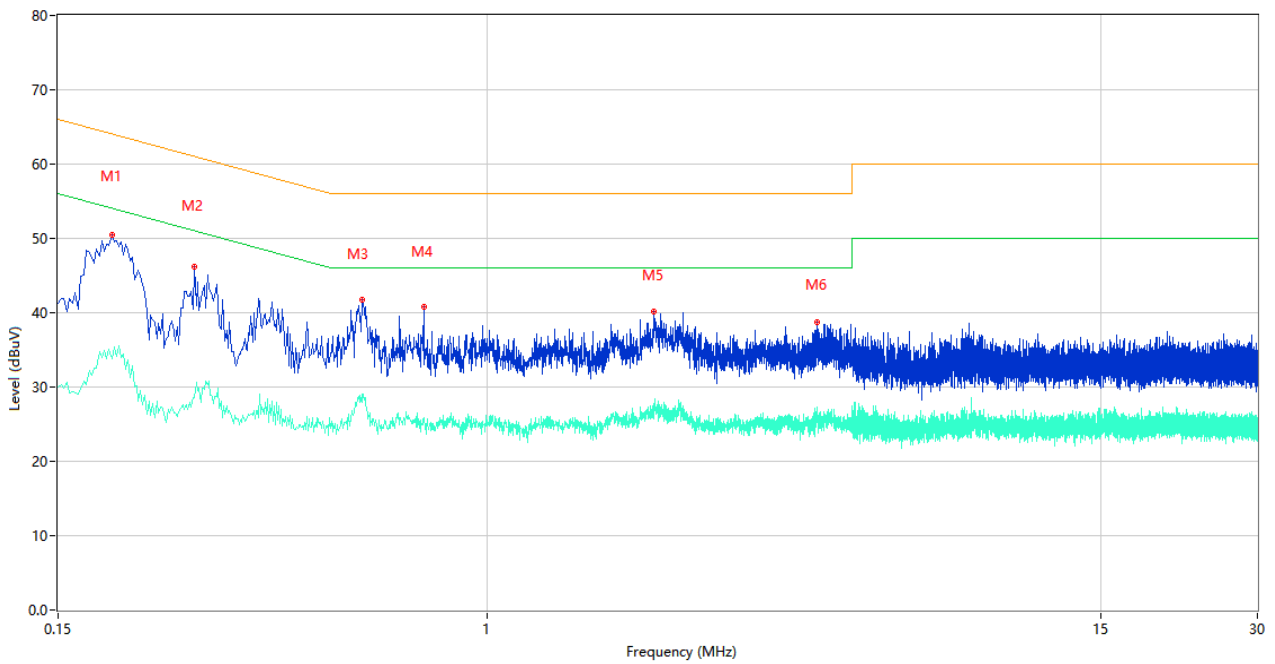
Test Mode 3

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.192	47.48	9.77	63.95	16.47	Peak	L	Pass
1**	0.192	33.69	9.77	53.95	20.26	AV	L	Pass
2	0.292	42.43	9.76	60.47	18.04	Peak	L	Pass
2**	0.292	29.62	9.76	50.47	20.85	AV	L	Pass
3	0.370	40.33	10.68	58.50	18.17	Peak	L	Pass
3**	0.370	26.51	10.68	48.50	21.99	AV	L	Pass
4	0.576	40.37	10.10	56.00	15.63	Peak	L	Pass
4**	0.576	29.36	10.10	46.00	16.64	AV	L	Pass
5	1.970	38.17	10.19	56.00	17.83	Peak	L	Pass
5**	1.970	25.00	10.19	46.00	21.00	AV	L	Pass
6	2.996	39.18	10.29	56.00	16.82	Peak	L	Pass
6**	2.996	26.29	10.29	46.00	19.71	AV	L	Pass

2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.190	50.46	9.78	64.04	13.58	Peak	N	Pass
1**	0.190	33.78	9.78	54.04	20.26	AV	N	Pass
2	0.274	46.22	9.76	61.00	14.78	Peak	N	Pass
2**	0.274	28.54	9.76	51.00	22.46	AV	N	Pass
3	0.574	41.72	10.10	56.00	14.28	Peak	N	Pass
3**	0.574	29.08	10.10	46.00	16.92	AV	N	Pass
4	0.754	40.78	10.21	56.00	15.22	Peak	N	Pass
4**	0.754	25.87	10.21	46.00	20.13	AV	N	Pass
5	2.088	40.11	10.02	56.00	15.89	Peak	N	Pass
5**	2.088	27.36	10.02	46.00	18.64	AV	N	Pass
6	4.294	38.80	10.45	56.00	17.20	Peak	N	Pass
6**	4.294	27.28	10.45	46.00	18.72	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	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15	<input checked="" type="checkbox"/>
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m* 2.8m	112	2022.02.19	2025.02.18	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2390637-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2390637-AW-1.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2390637-AI-1.PDF”.

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