



中国认可
国际互认
检测
TESTING
CNAS L6791

TEST REPORT

Applicant: Ugreen Group Limited
Address: UGREEN Building, Longcheng Industrial Park
Longguanxi Road, Longhua, ShenZhen, China
Equipment Type: Wireless Charger
Model Name: CM918A
Brand Name: **UGREEN**
FCC ID: 2AQI5-CM918A
Test Standard: 47 CFR Part 15 Subpart C
ANSI C63.10-2013
Sample Arrival Date: Sep. 18, 2025
Test Date: Sep. 29, 2025 - Oct. 10, 2025
Date of Issue: Oct. 17, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Yang Panxia**Checked by:** Xiong Chong**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Oct. 17, 2025</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1 GENERAL INFORMATION	3
1.1 Test Laboratory	3
1.2 Test Location	3
2 PRODUCT INFORMATION	4
2.1 Applicant Information	4
2.2 Manufacturer Information	4
2.3 Factory Information	4
2.4 General Description for Equipment under Test (EUT)	4
2.5 Technical Information	5
3 SUMMARY OF TEST RESULTS	6
3.1 Test Standards	6
3.2 Verdict	6
3.3 Test Uncertainty	6
4 GENERAL TEST CONFIGURATIONS	7
4.1 Test Environments	7
4.2 Test Setups	7
5 TEST ITEMS	9
5.1 Antenna Requirements	9
5.2 Emission Tests	10
ANNEX A TEST SETUP PHOTOS	30
1 Radiated Test	30
2 Conducted Emission	33
ANNEX B EUT EXTERNAL PHOTOS	35
ANNEX C EUT INTERNAL PHOTOS	39

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	Ugreen Group Limited
Address	UGREEN Building, Longcheng Industrial Park Longguanxi Road, Longhua, ShenZhen, China

2.2 Manufacturer Information

Manufacturer	Ugreen Group Limited
Address	UGREEN Building, Longcheng Industrial Park Longguanxi Road, Longhua, ShenZhen, China

2.3 Factory Information

Factory	Shenzhen ARED technology co., ltd
Address	Floor 7, Building 2, No.28-1, Gongkeng Gallery Industrial Zone, Xintian Community, Guanhu Street, Longhua District, Shenzhen City

2.4 General Description for Equipment under Test (EUT)

EUT Name	Wireless Charger
Model Name Under Test	CM918A
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	Qi, Bluetooth
-----------------------------------	---------------

The requirement for the following technical information of the EUT was tested in this report:

Modulation Type	ASK/FSK
Operating Frequency	110.5 kHz ~205 kHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Antenna Type	Coil Antenna
About Product	The EUT support the Qi technology, and they have the same operating frequency.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Verdict

No.	Description	FCC Part No.	Verdict
1	Antenna Requirement	15.203	Pass ^{Note 1}
2	Radiated Emission	15.209,15.215(b)	Pass
3	Conducted Emission, AC Ports	15.207	Pass
4	20 dB Bandwidth	15.215(c)	Pass

Note 1: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.
Mode 1: EUT+Adapter.
Mode 2: EUT+Adapter+UGREEN Finder Mini 2.

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 (9 kHz-30 MHz)	3.9 dB
Radiated emissions (30 MHz-1 GHz)-10m	4.3 dB
Radiated emissions (1 GHz-18 GHz)-3m	5.0 dB

4 GENERAL TEST CONFIGURATIONS

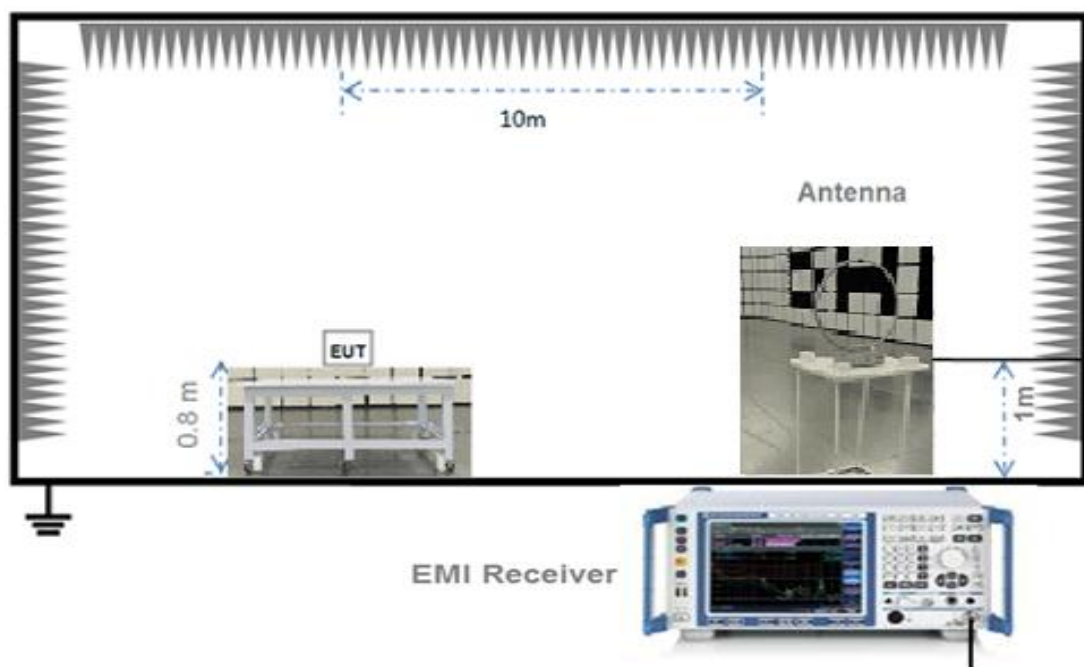
4.1 Test Environments

Relative Humidity	30% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	5.0 V

4.2 Test Setups

Test Setup 1

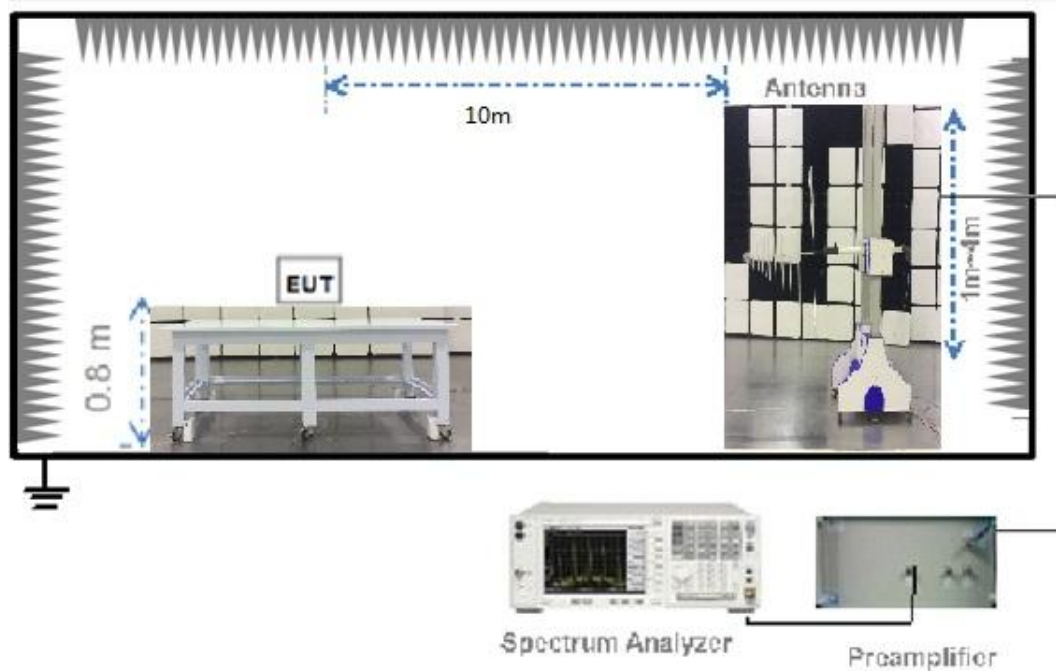
Radiated Test (Below 30 MHz)



(Diagram 1)

Test Setup 2

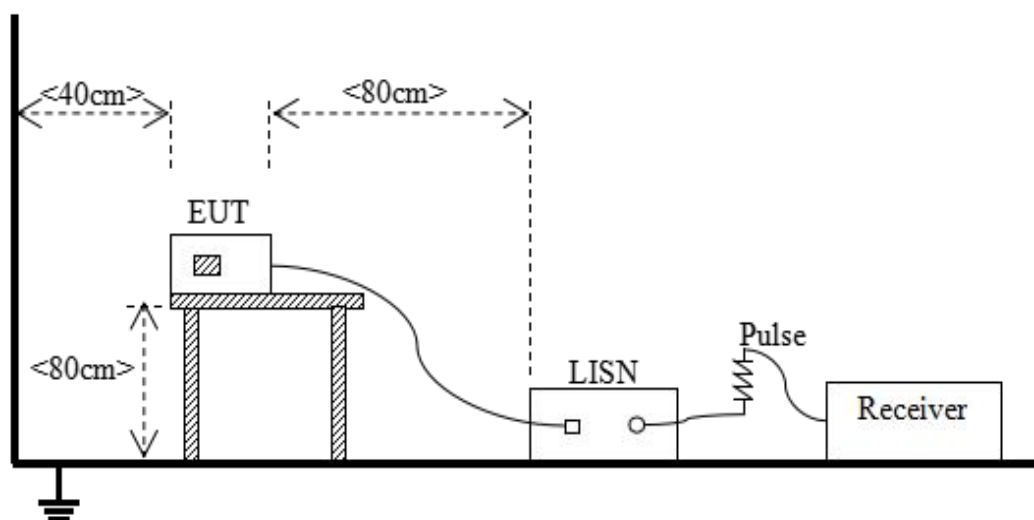
Radiated Test (30 MHz-1 GHz)



(Diagram 2)

Test Setup 3

AC Power Supply Port Test



(Diagram 3)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer EUT internal photos.

5.2 Emission Tests

5.2.1 Radiated Emission

5.2.1.1 Limit

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

- 1) Field Strength ($\text{dB}\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For above 1000 MHz, limit field strength of harmonics: $54 \text{ dB}\mu\text{V/m}@3 \text{ m (AV)}$ and $74 \text{ dB}\mu\text{V/m}@3 \text{ m (PK)}$
- 4) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). For example, at the frequency 9 kHz, limit @10m = $20 \cdot \log (2400/f) + 40 \log (d_{\text{limit}}/d_{\text{measure}})$ where limit = 300m, $d_{\text{measure}}=10\text{m}$. limit @10m = $20 \cdot \log (2400/9) + 40 \log (300/10) = 107.5 \text{ (dB}\mu\text{V/m)}$.
- 5) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided, When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements). For example, at the frequency 30 MHz, limit @10m = $20 \cdot \log (100) + 20 \log (d_{\text{limit}}/d_{\text{measure}})$ where limit = 3m, $d_{\text{measure}}=10\text{m}$. limit @10m = $20 \cdot \log (100) + 20 \log (3/10) = 29.5 \text{ (dB}\mu\text{V/m)}$.

5.2.1.2 Test Setup

Refer to 4.2 section (test setup 1 to test setup 2) for radiated emission test, the photo of test setup please refer to ANNEX B.

5.2.1.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. 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. The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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 $30 \text{ MHz} < f < 1 \text{ GHz}$, 10 kHz for $150 \text{ kHz} < f < 30 \text{ MHz}$,
300 Hz for $f < 150 \text{ kHz}$

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

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

5.2.1.4 Test Result and Test Equipment List

Note 1: This frequency which near 0.140 MHz with circle should be ignored because they are Qi carrier frequencies.

Note 2: All Radiated Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.

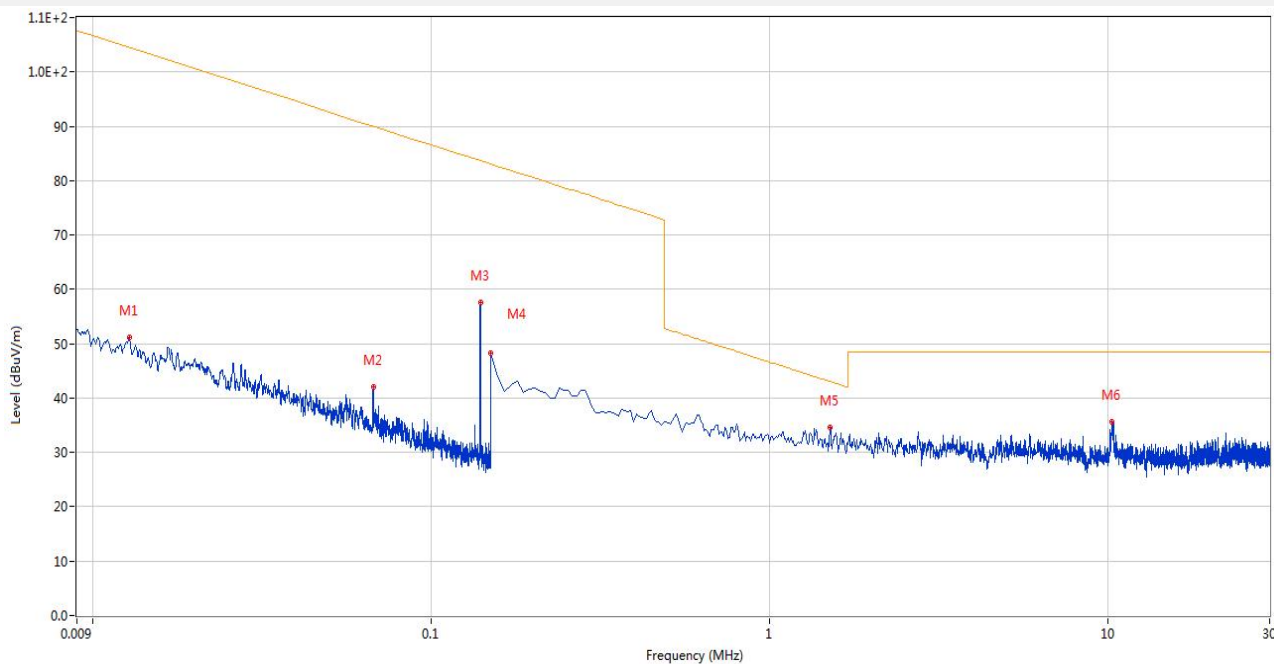
Note 3: For measuring equipment calibrated in dB μ V, the reading should be reduced by 51.5 dB to be converted to dB μ A/m.

Sample No.	A06	Temperature	20.1℃
Humidity	59%RH	Pressure	101kPa
Test Engineer	Zhou Haonan	Test Date	2025.10.15

Test Data and Plot

Mode 1

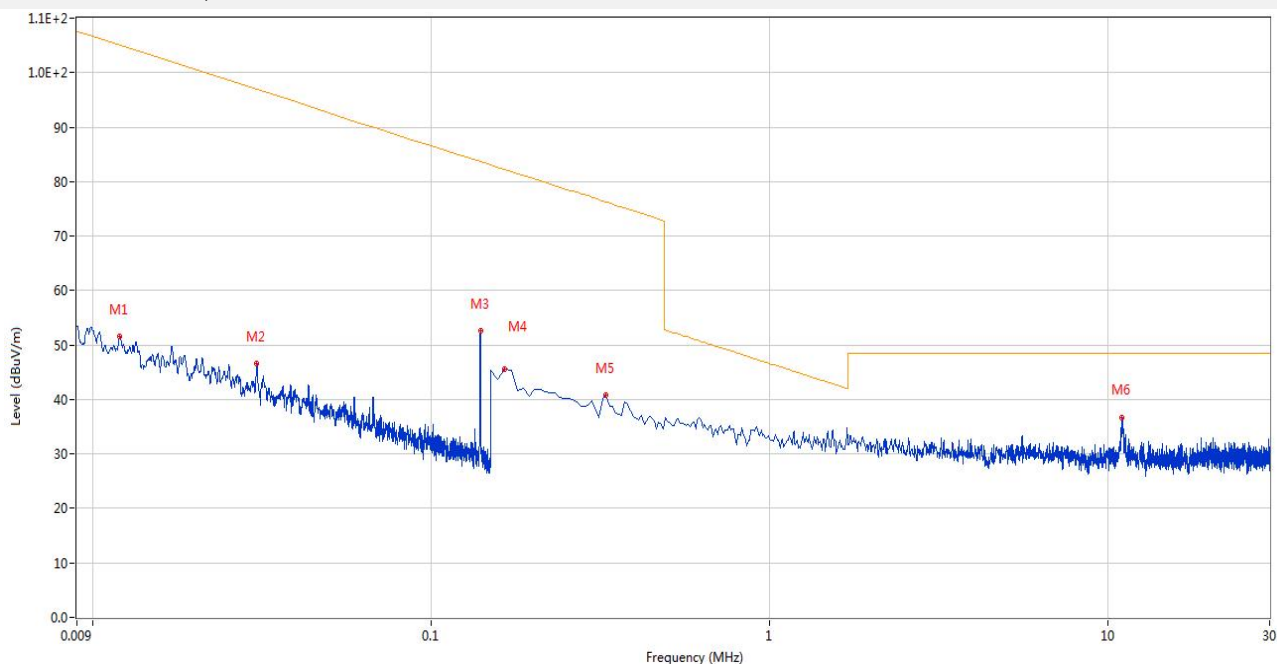
9 kHz to 30 MHz, ANT-H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.013	51.17	20.07	104.4	53.23	Peak	237.00	100	Horizontal	Pass
2	0.068	42.00	20.16	90.0	48.00	Peak	145.00	100	Horizontal	Pass
3	0.140	57.55	20.15	83.7	26.15	Peak	58.00	100	Horizontal	N/A
4	0.150	27.34	20.16	83.1	55.76	Peak	63.00	100	Horizontal	Pass
5	1.508	34.52	20.41	43.0	8.48	Peak	353.00	100	Horizontal	Pass
6	10.284	35.65	20.75	48.5	12.85	Peak	360.00	100	Horizontal	Pass

Mode 2

9 kHz to 30 MHz, ANT-H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.012	51.63	20.06	105.0	53.37	Peak	7.00	100	Horizontal	Pass
2	0.031	46.63	20.16	96.9	50.27	Peak	47.00	100	Horizontal	Pass
3	0.140	52.63	20.15	83.7	31.07	Peak	7.00	100	Horizontal	N/A
4	0.165	45.62	20.12	82.2	36.58	Peak	268.00	100	Horizontal	Pass
5	0.329	40.73	20.17	76.2	35.47	Peak	257.00	100	Horizontal	Pass
6	10.993	36.76	20.76	48.5	11.74	Peak	0.00	100	Horizontal	Pass

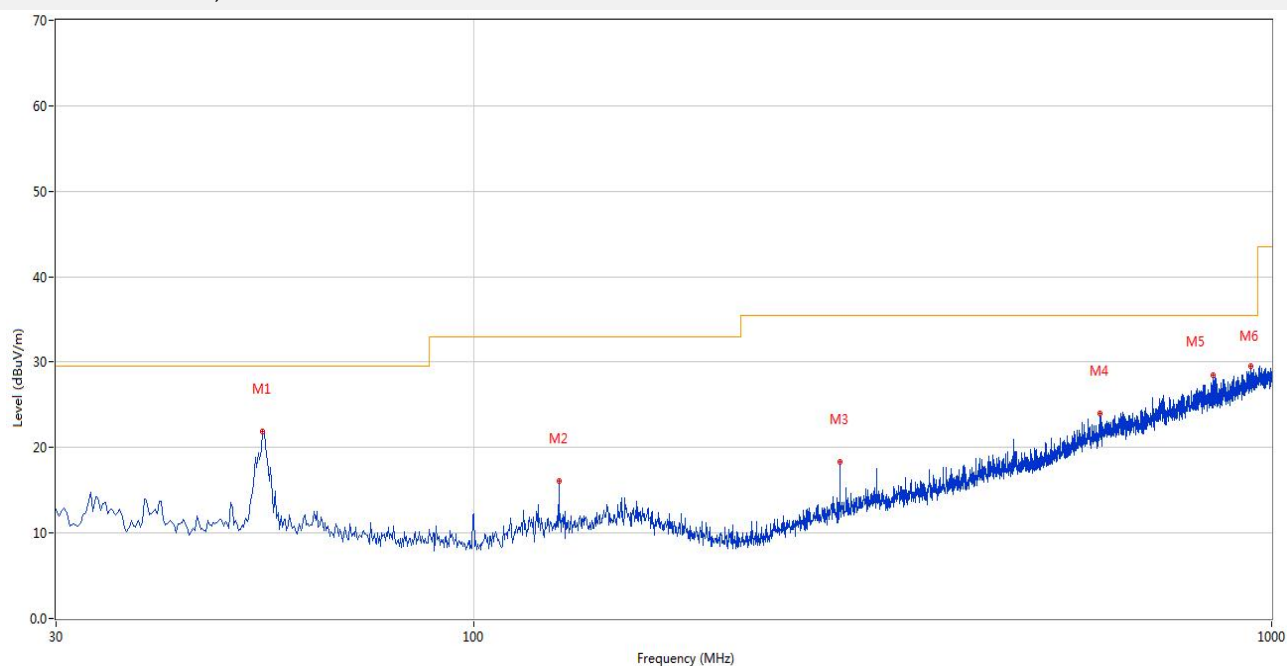
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2025.06.16	2026.06.15	☒
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Anechoic Chamber(10m)	EMC TECHNOLOGY LTD	20.1m*11.6m*7.35m	130	2024.07.13	2027.07.12	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

Sample No.	A06	Temperature	20.1℃
Humidity	59%RH	Pressure	101kPa
Test Engineer	Zhou Haonan	Test Date	2025.10.15

Test Data and Plot

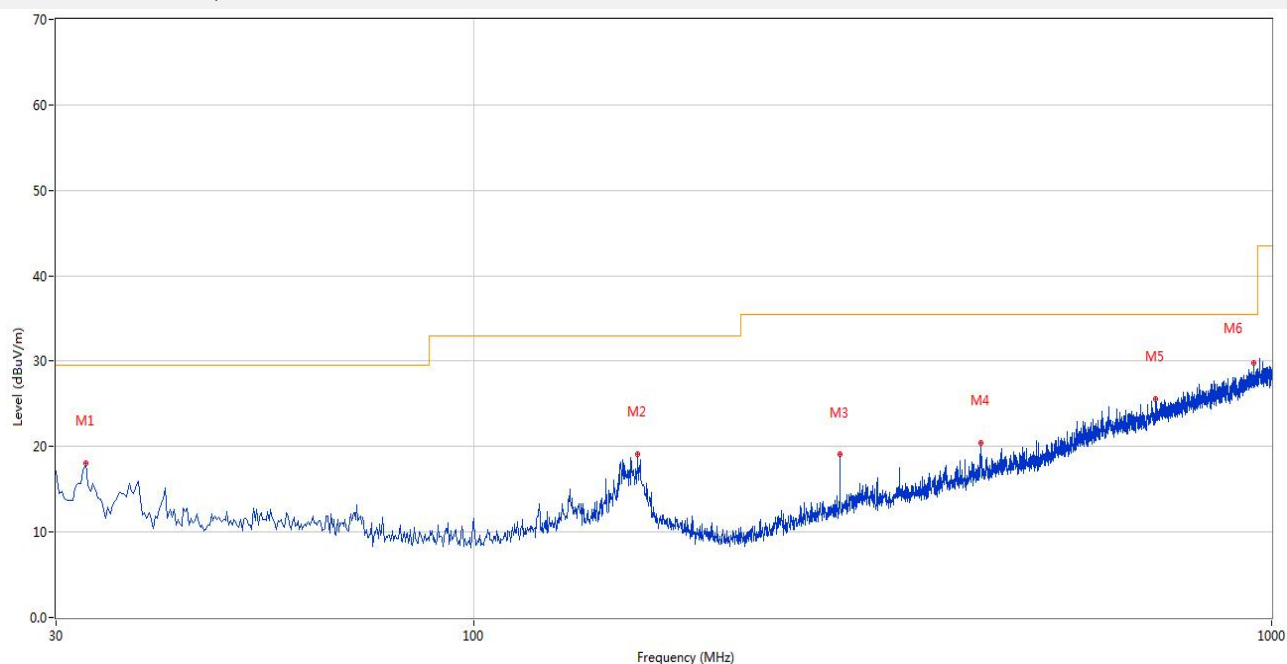
Mode 1

30 MHz to 1 GHz, ANT-H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.486	21.94	-27.12	29.5	7.56	Peak	350.00	100	Horizontal	Pass
2	127.946	16.03	-27.47	33.0	16.97	Peak	0.00	200	Horizontal	Pass
3	287.956	18.30	-25.91	35.5	17.20	Peak	359.00	200	Horizontal	Pass
4	610.157	24.00	-16.74	35.5	11.50	Peak	0.00	200	Horizontal	Pass
5	844.596	28.47	-11.84	35.5	7.03	Peak	190.00	200	Horizontal	Pass
6	942.057	29.47	-9.95	35.5	6.03	Peak	0.00	200	Horizontal	Pass

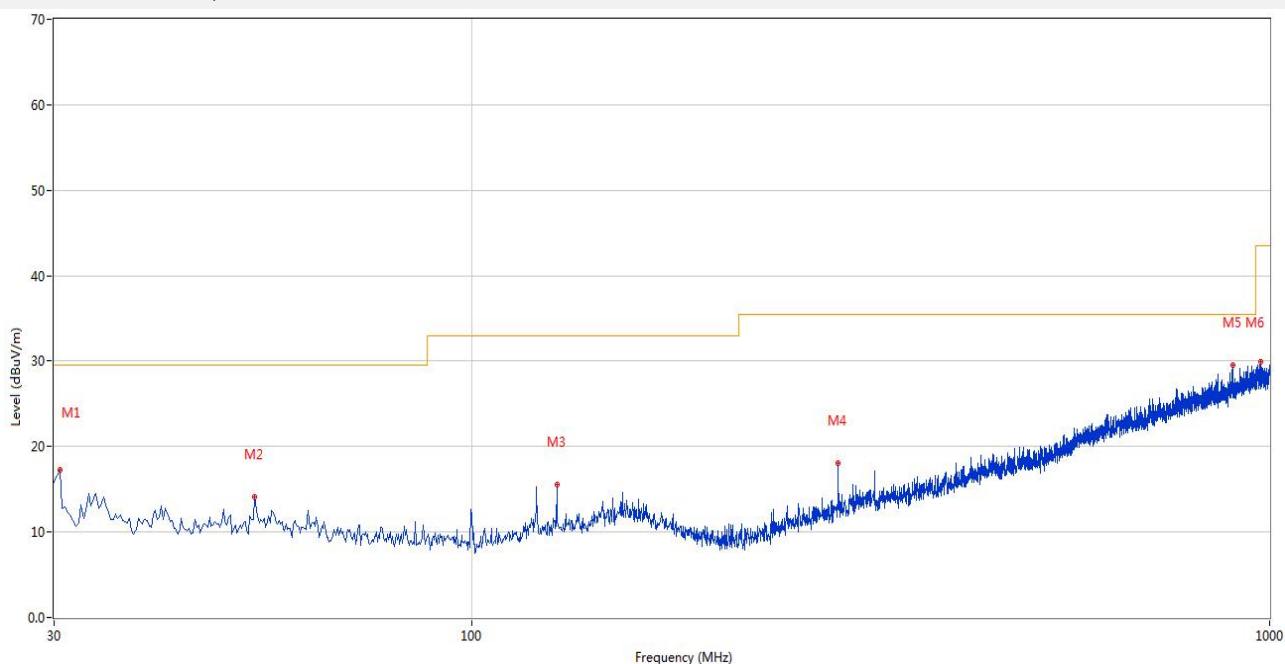
30 MHz to 1 GHz, ANT-V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.667	18.02	-26.98	29.5	11.48	Peak	0.00	200	Vertical	Pass
2	160.675	19.16	-26.31	33.0	13.84	Peak	112.00	100	Vertical	Pass
3	287.956	19.05	-25.91	35.5	16.45	Peak	107.00	100	Vertical	Pass
4	432.692	20.48	-21.63	35.5	15.02	Peak	20.00	200	Vertical	Pass
5	716.103	25.58	-14.58	35.5	9.92	Peak	63.00	200	Vertical	Pass
6	948.845	29.75	-9.66	35.5	5.75	Peak	0.00	200	Vertical	Pass

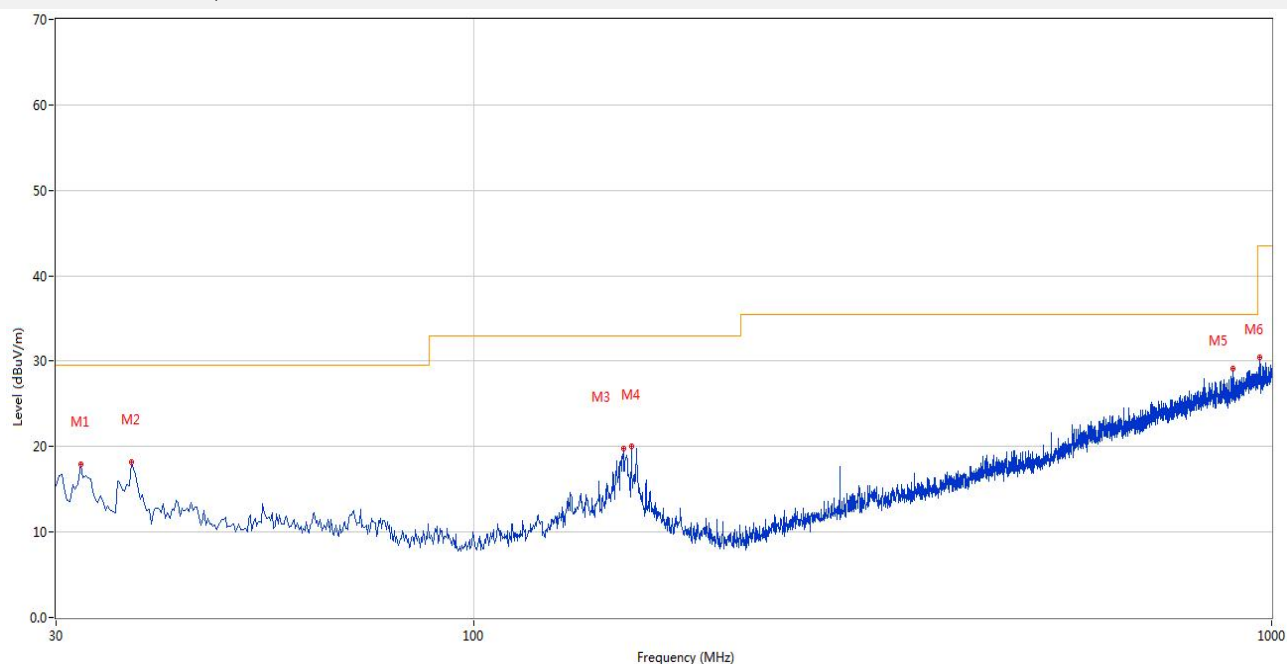
Mode 2

30 MHz to 1 GHz, ANT-H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)		Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.485	17.26	-26.85	29.5	12.24	Peak	259.00	200	Horizontal	Pass
2	53.517	14.05	-27.05	29.5	15.45	Peak	0.00	200	Horizontal	Pass
3	127.946	15.50	-27.47	33.0	17.50	Peak	227.00	200	Horizontal	Pass
4	287.956	18.04	-25.91	35.5	17.46	Peak	156.00	200	Horizontal	Pass
5	898.418	29.54	-10.88	35.5	5.96	Peak	360.00	100	Horizontal	Pass
6	973.817	29.89	-9.42	43.5	13.61	Peak	0.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT-V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.182	17.88	-27.03	29.5	11.62	Peak	102.00	100	Vertical	Pass
2	37.273	18.23	-27.03	29.5	11.27	Peak	134.00	100	Vertical	Pass
3	154.129	19.80	-26.26	33.0	13.20	Peak	85.00	100	Vertical	Pass
4	157.766	19.99	-26.26	33.0	13.01	Peak	0.00	200	Vertical	Pass
5	893.327	29.12	-10.75	35.5	6.38	Peak	0.00	200	Vertical	Pass
6	967.513	30.42	-9.27	43.5	13.08	Peak	226.00	100	Vertical	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2025.06.16	2026.06.15	☒
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2024.08.04	2027.08.03	☒
Anechoic Chamber(10m)	EMC Electronic Co., Ltd	20.10*11.60* 7.35m	130	2024.07.13	2027.07.12	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

5.2.2 Conduct Emission

5.2.2.1 Test Limit

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- 1) The limit is applicable to Class B ITE.
- 2) The lower limit shall apply at the band edges.
- 3) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

5.2.2.2 Test Setup

Refer to 4.2 section test (test setup 3) for conducted emission, the photo of test setup please refer to ANNEX B.

5.2.2.3 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.

NOTE:

1. Results (dB μ V) = Reading (dB μ V) + Factor (dB/m)

The reading level is calculated by software which is not shown in the sheet

2. Factor = Insertion loss + Cable loss

3. Margin = Limit – Results

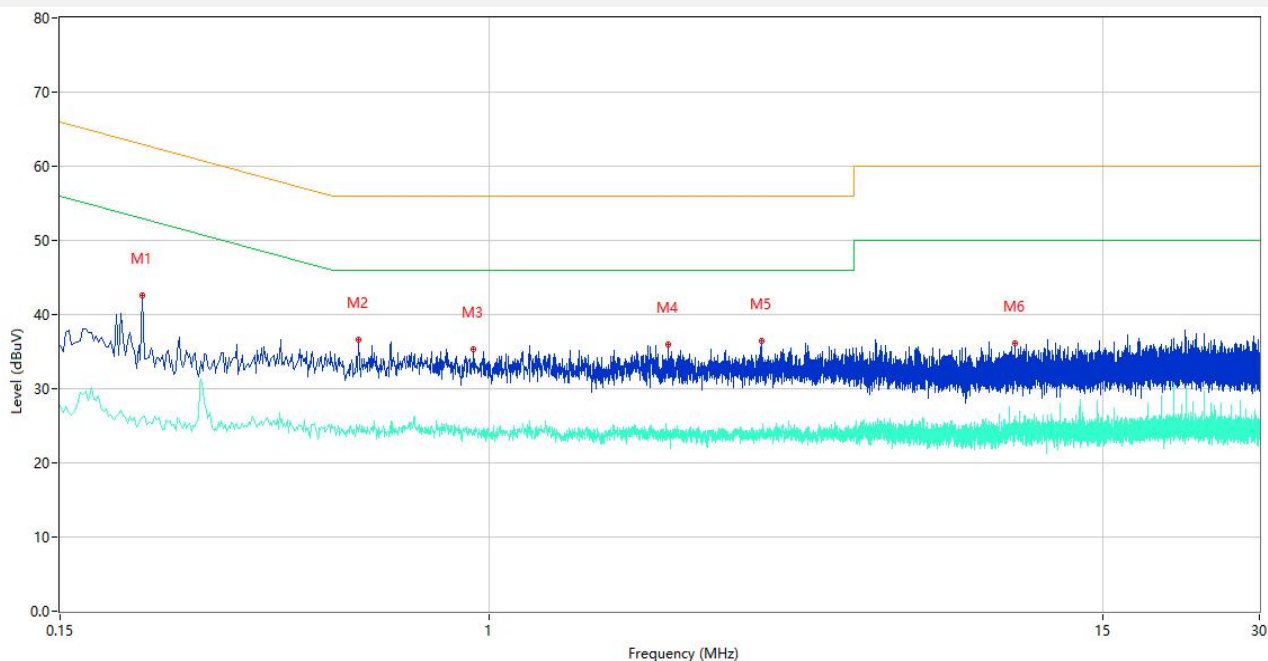
5.2.2.4 Test Result and Test Equipment List

Sample No.	A06	Temperature	25.5°C
Humidity	44%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2025.09.29

Test Data and Plot

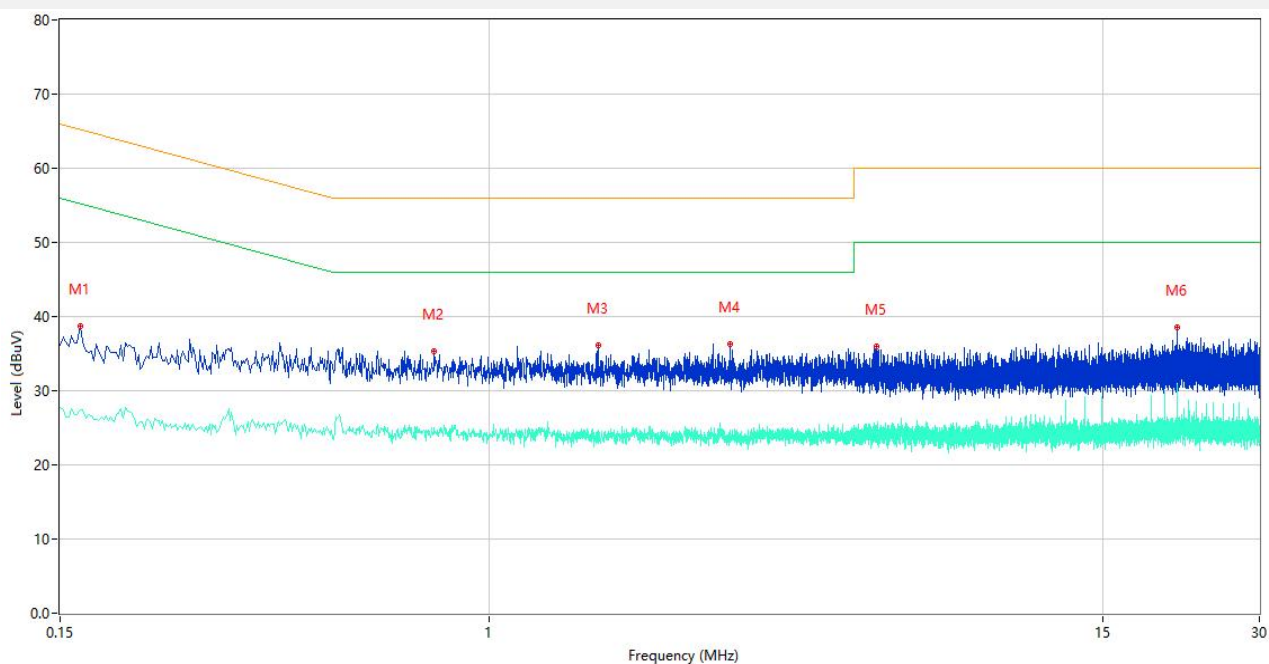
Mode 1

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.216	42.53	9.83	62.97	20.44	Peak	L	Pass
1**	0.216	26.10	9.83	52.97	26.87	AV	L	Pass
2	0.560	36.54	10.11	56.00	19.46	Peak	L	Pass
2**	0.560	24.23	10.11	46.00	21.77	AV	L	Pass
3	0.932	35.31	10.17	56.00	20.69	Peak	L	Pass
3**	0.932	24.39	10.17	46.00	21.61	AV	L	Pass
4	2.206	35.99	10.08	56.00	20.01	Peak	L	Pass
4**	2.206	24.17	10.08	46.00	21.83	AV	L	Pass
5	3.334	36.42	10.47	56.00	19.58	Peak	L	Pass
5**	3.334	24.52	10.47	46.00	21.48	AV	L	Pass
6	10.176	36.20	10.53	60.00	23.80	Peak	L	Pass
6**	10.176	24.96	10.53	50.00	25.04	AV	L	Pass

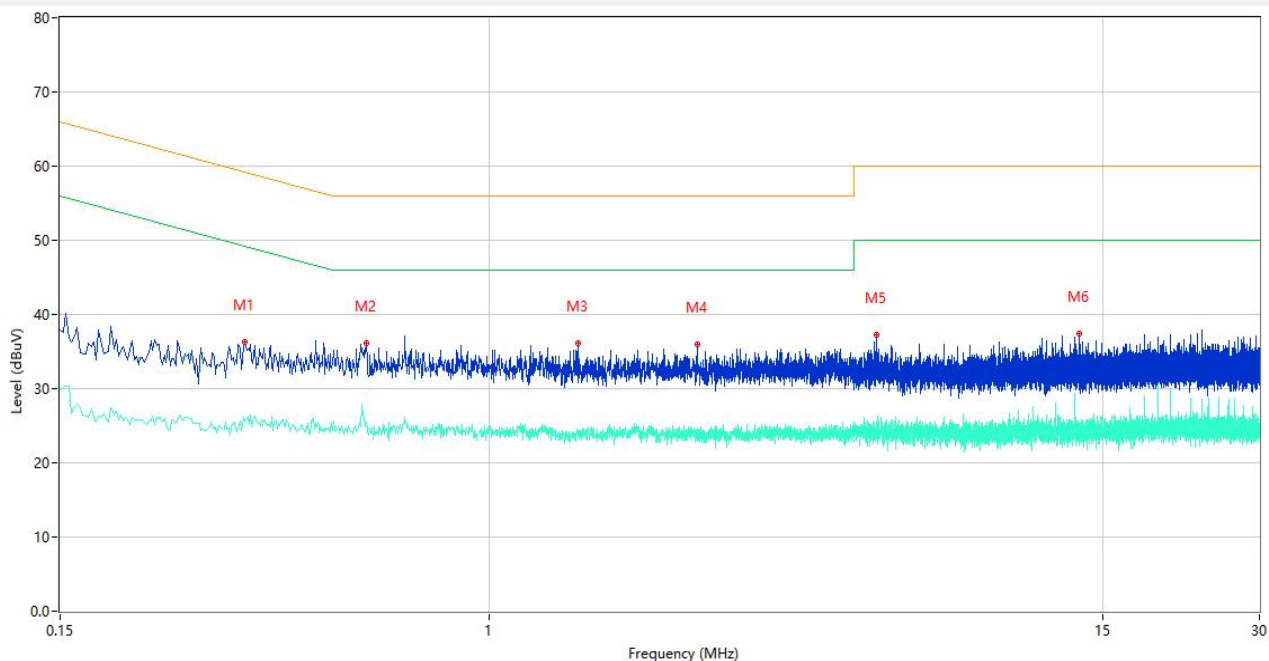
PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	38.64	9.85	65.26	26.62	Peak	N	Pass
1**	0.164	27.50	9.85	55.26	27.76	AV	N	Pass
2	0.784	35.29	10.47	56.00	20.71	Peak	N	Pass
2**	0.784	25.01	10.47	46.00	20.99	AV	N	Pass
3	1.616	36.20	9.94	56.00	19.80	Peak	N	Pass
3**	1.616	24.33	9.94	46.00	21.67	AV	N	Pass
4	2.888	36.31	9.99	56.00	19.69	Peak	N	Pass
4**	2.888	24.47	9.99	46.00	21.53	AV	N	Pass
5	5.524	36.02	10.51	60.00	23.98	Peak	N	Pass
5**	5.524	25.34	10.51	50.00	24.66	AV	N	Pass
6	20.844	38.49	11.19	60.00	21.51	Peak	N	Pass
6**	20.844	30.52	11.19	50.00	19.48	AV	N	Pass

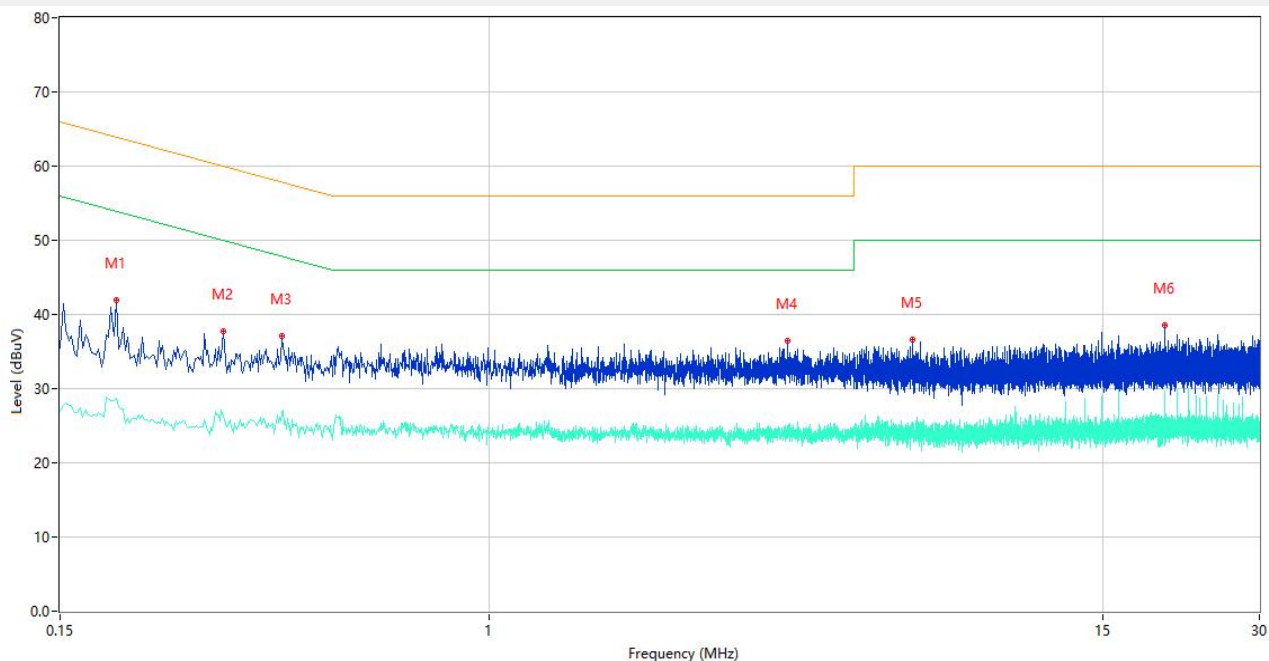
Mode 2

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.340	36.28	10.62	59.20	22.92	Peak	L	Pass
1**	0.340	25.68	10.62	49.20	23.52	AV	L	Pass
2	0.580	36.13	10.17	56.00	19.87	Peak	L	Pass
2**	0.580	25.51	10.17	46.00	20.49	AV	L	Pass
3	1.476	36.11	10.23	56.00	19.89	Peak	L	Pass
3**	1.476	24.26	10.23	46.00	21.74	AV	L	Pass
4	2.500	35.94	10.21	56.00	20.06	Peak	L	Pass
4**	2.500	23.41	10.21	46.00	22.59	AV	L	Pass
5	5.540	37.31	10.56	60.00	22.69	Peak	L	Pass
5**	5.540	25.54	10.56	50.00	24.46	AV	L	Pass
6	13.524	37.41	10.23	60.00	22.59	Peak	L	Pass
6**	13.524	25.29	10.23	50.00	24.71	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.192	41.87	9.84	63.95	22.08	Peak	N	Pass
1**	0.192	28.68	9.84	53.95	25.27	AV	N	Pass
2	0.308	37.71	9.98	60.02	22.31	Peak	N	Pass
2**	0.308	26.39	9.98	50.02	23.63	AV	N	Pass
3	0.400	37.03	10.61	57.85	20.82	Peak	N	Pass
3**	0.400	26.73	10.61	47.85	21.12	AV	N	Pass
4	3.726	36.41	10.43	56.00	19.59	Peak	N	Pass
4**	3.726	23.90	10.43	46.00	22.10	AV	N	Pass
5	6.490	36.62	10.20	60.00	23.38	Peak	N	Pass
5**	6.490	25.23	10.20	50.00	24.77	AV	N	Pass
6	19.730	38.47	11.08	60.00	21.53	Peak	N	Pass
6**	19.730	29.66	11.08	50.00	20.34	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	SCHWARZBEC K	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	/		☒

5.2.3 20 dB Bandwidth

5.2.3.1 Limit

FCC §15.215(c)

The 20 dB bandwidth is known as the 99% emission bandwidth, or 20 dB bandwidth ($10 \cdot \log 1\% = 20$ dB) taking the total RF output power.

5.2.3.2 Test Setup

Refer to 4.2 section test (test setup 1) for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3.3 Test Procedure

The 20dB bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.

Use the following spectrum analyzer settings:

Span = between 2 to 5 times the OBW

RBW = 1% to 5% the OBW

VBW $\geq$ 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

The 99% emission bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.

Use the following spectrum analyzer settings:

Span = between 1.5 to 5 times the OBW

RBW = 1% to 5% OBW

VBW $\geq$ 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

The EUT should be transmitting at its maximum data rate, Allow the trace to stabilize.

5.2.3.4 Test Result and Test Equipment List

Note: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

Sample No.	A06	Temperature	20.1℃
Humidity	59%RH	Pressure	101kPa
Test Engineer	Zhou Haonan	Test Date	2025.10.15

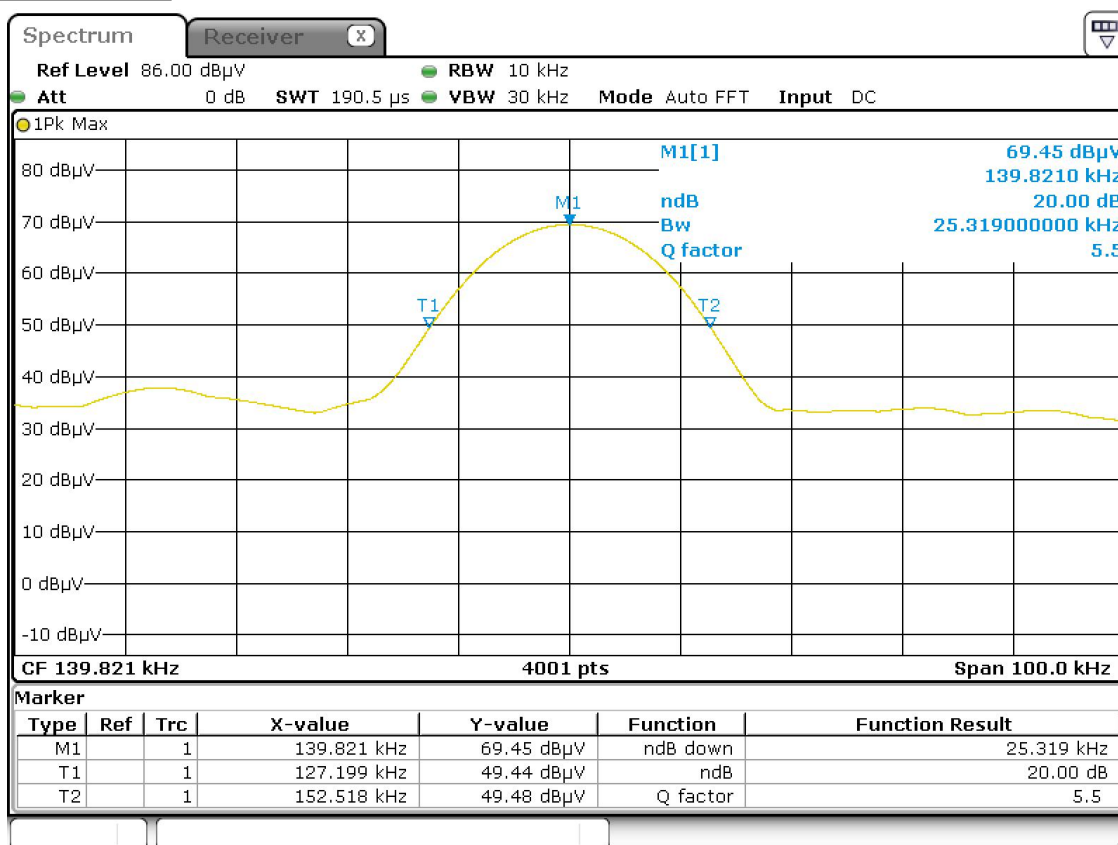
Mode 1

Test Data

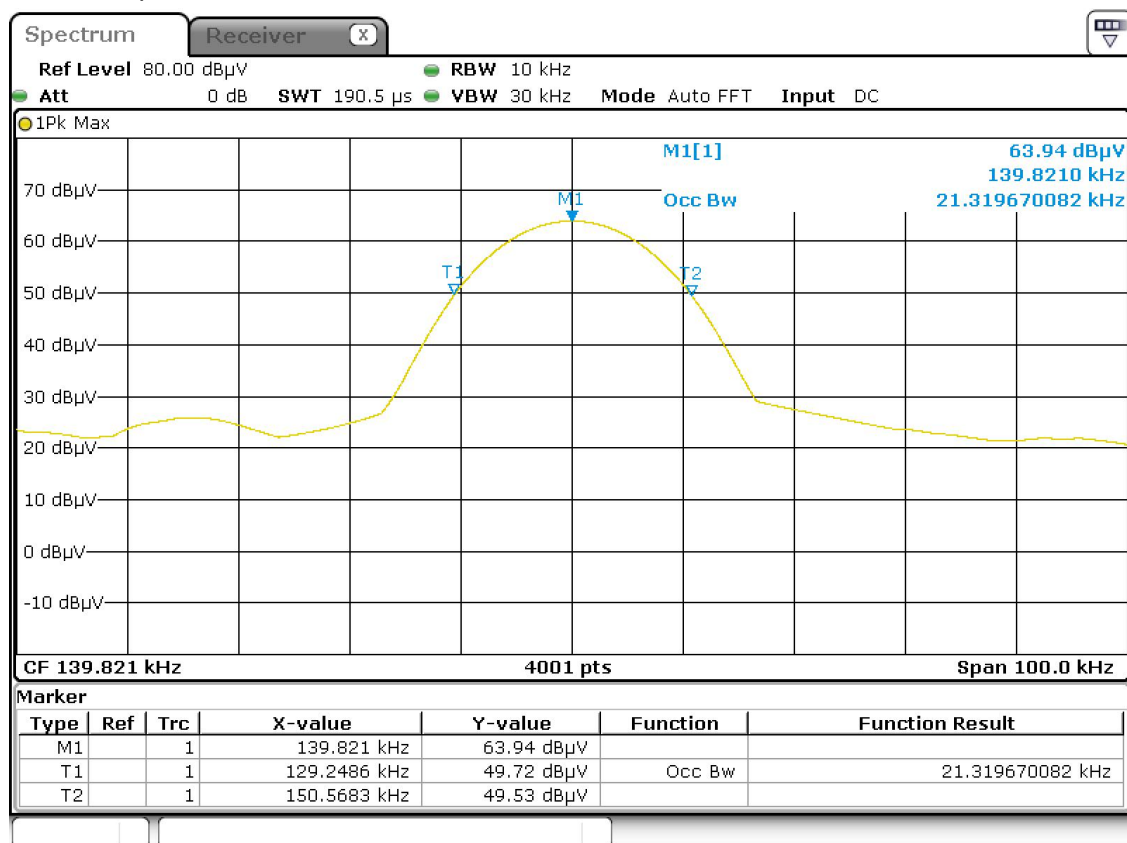
Frequency (MHz)	Emission Bandwidth (20dB down) (kHz)	Occupied Bandwidth (99%) (kHz)
0.140	25.319	21.320

Test Plots

Emission Bandwidth



99% Occupied Bandwidth



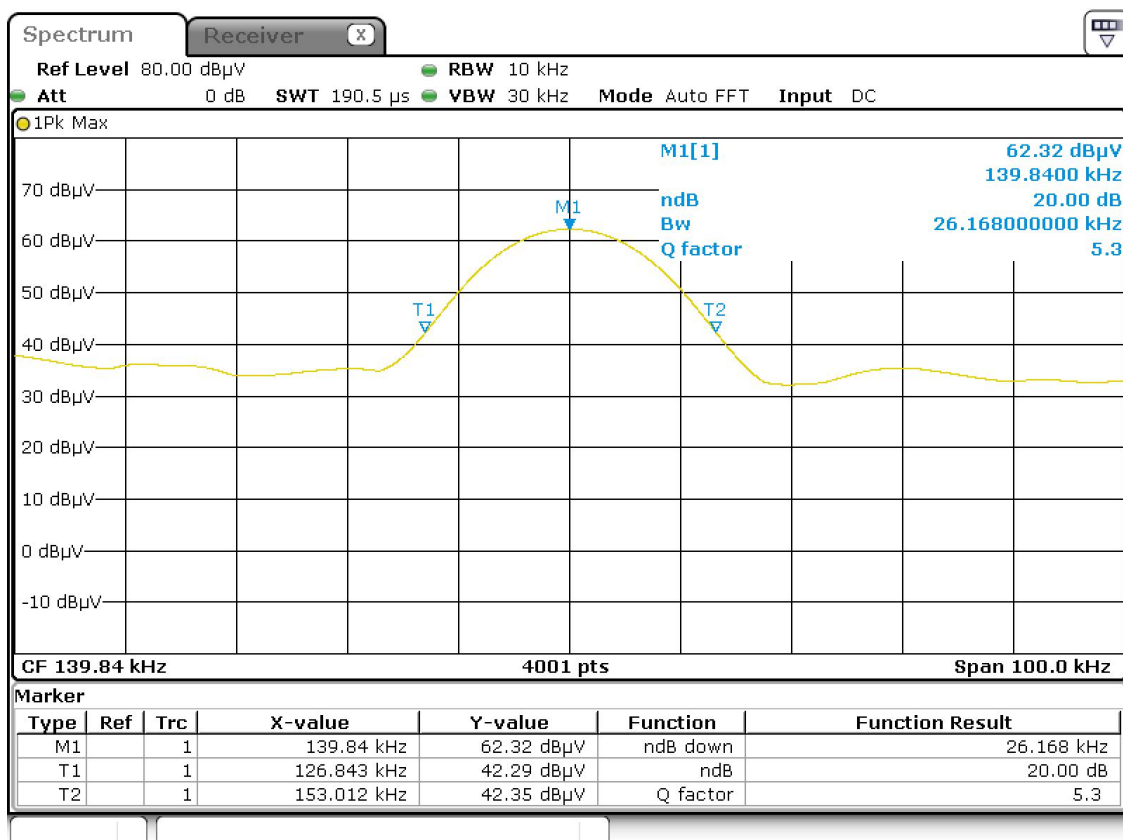
Mode 2

Test Data

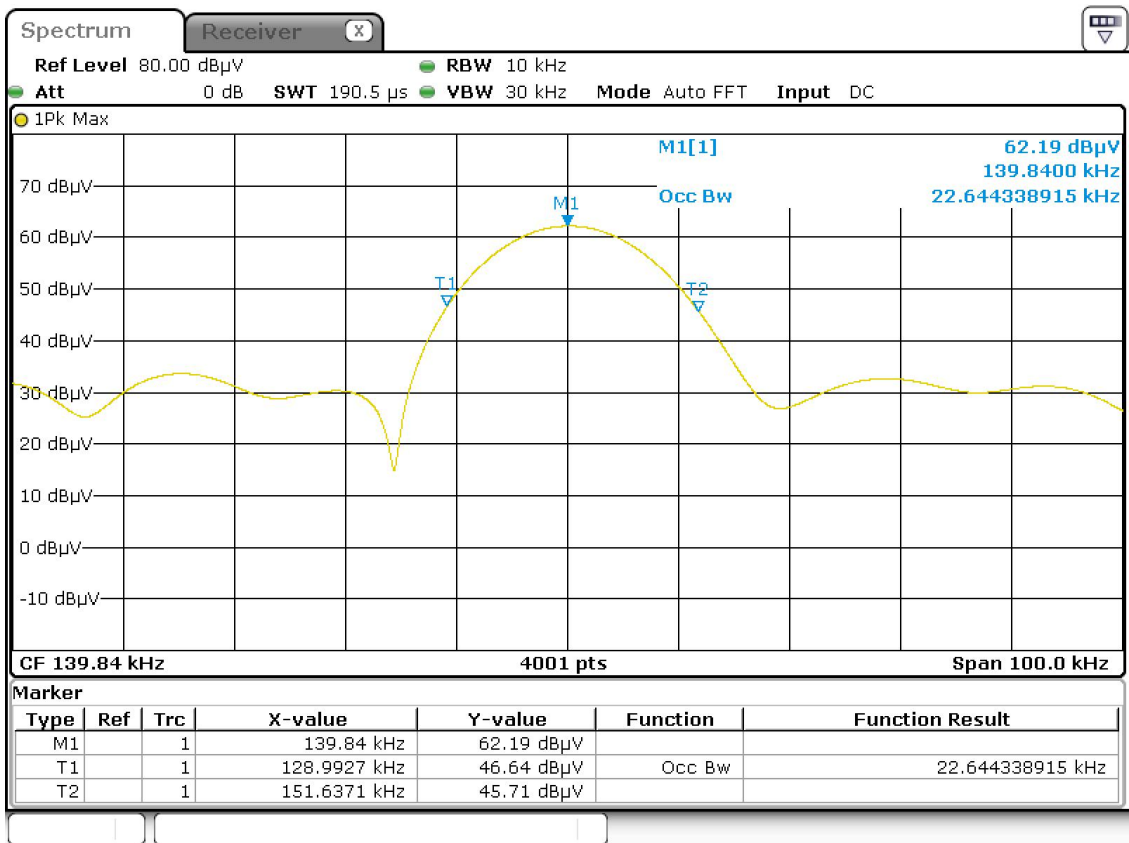
Frequency (MHz)	Emission Bandwidth (20dB down) (kHz)	Occupied Bandwidth (99%) (kHz)
0.140	26.168	22.644

Test Plots

Emission Bandwidth



99% Occupied Bandwidth



Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHW ARZ	ESRP	101036	2025.06.16	2026.06.15	☒
Test Antenna- Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Anechoic Chamber(10m)	EMC TECHNOLOGY LTD	20.1m*11.6 m*7.35m	130	2024.07.13	2027.07.12	☒

ANNEX A TEST SETUP PHOTOS

1 Radiated Test

Mode 1

9KHz-30MHz



30MHz-1GHz

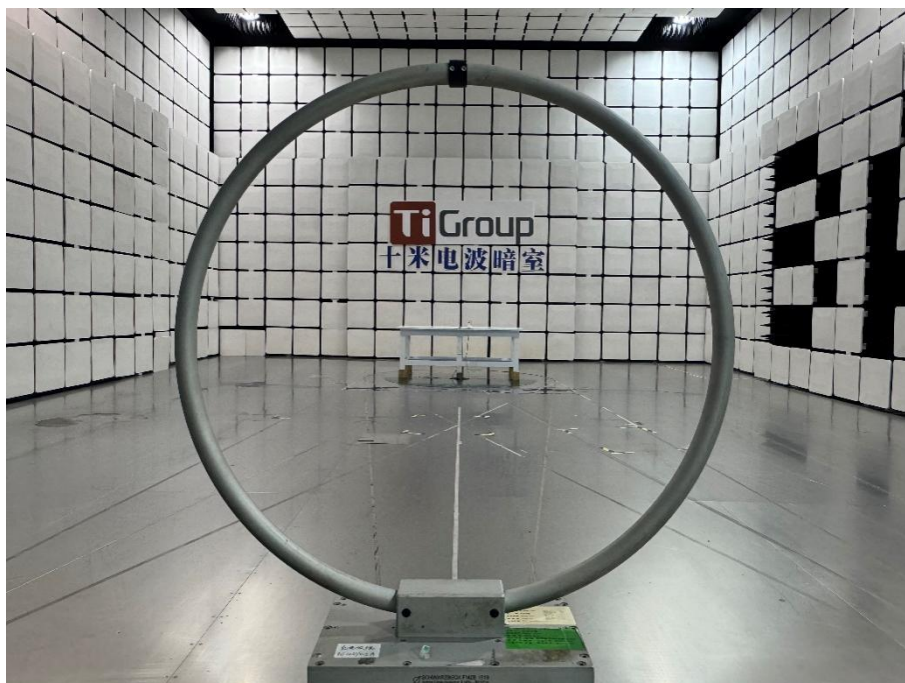


Close-up



Mode 2

9KHz-30MHz



30MHz-1GHz



Close-up

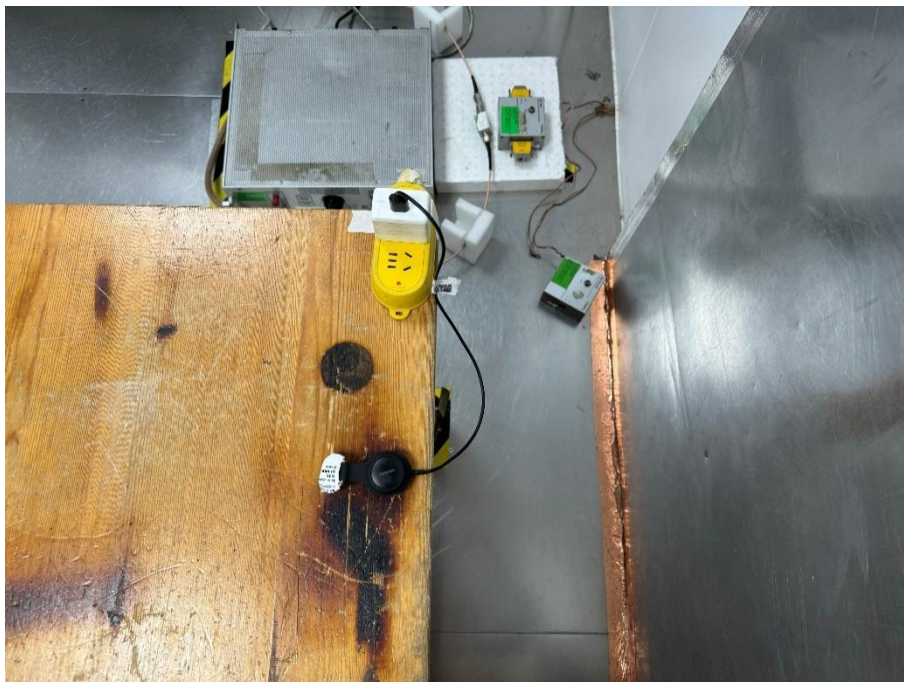
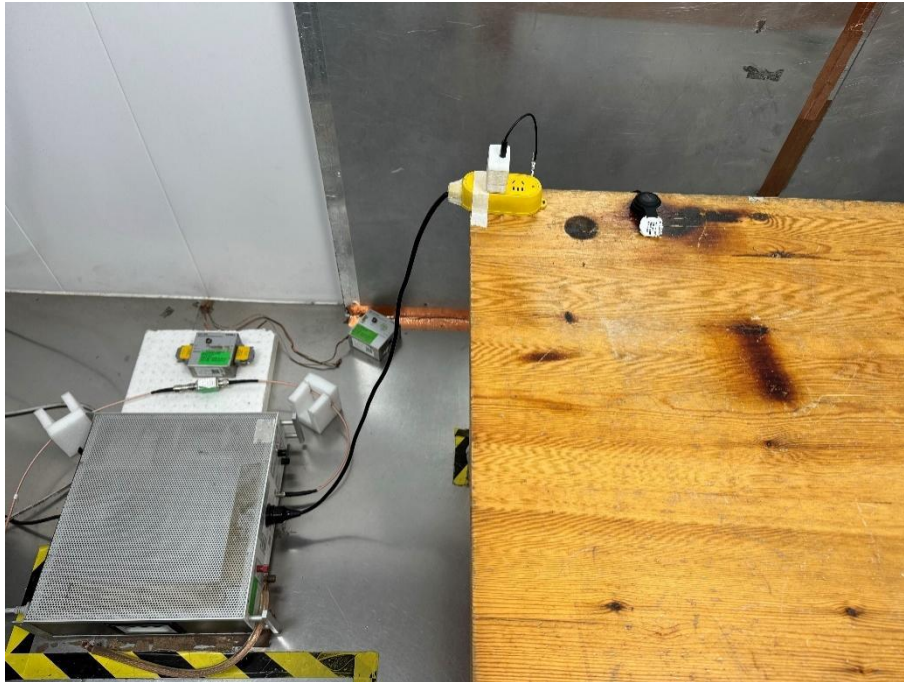


2 Conducted Emission

Mode 1



Mode 2



ANNEX B EUT EXTERNAL PHOTOS

FRONT VIEW OF EUT



REAR VIEW OF EUT



LEFT VIEW OF EUT



RIGHT VIEW OF EUT



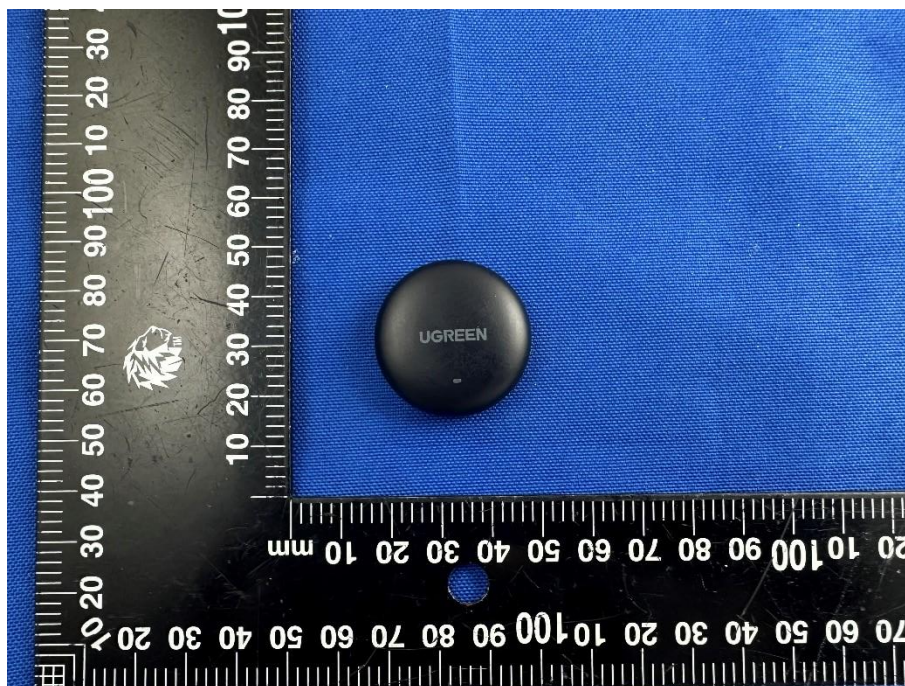
TOP VIEW OF EUT



BOTTOM VIEW OF EUT

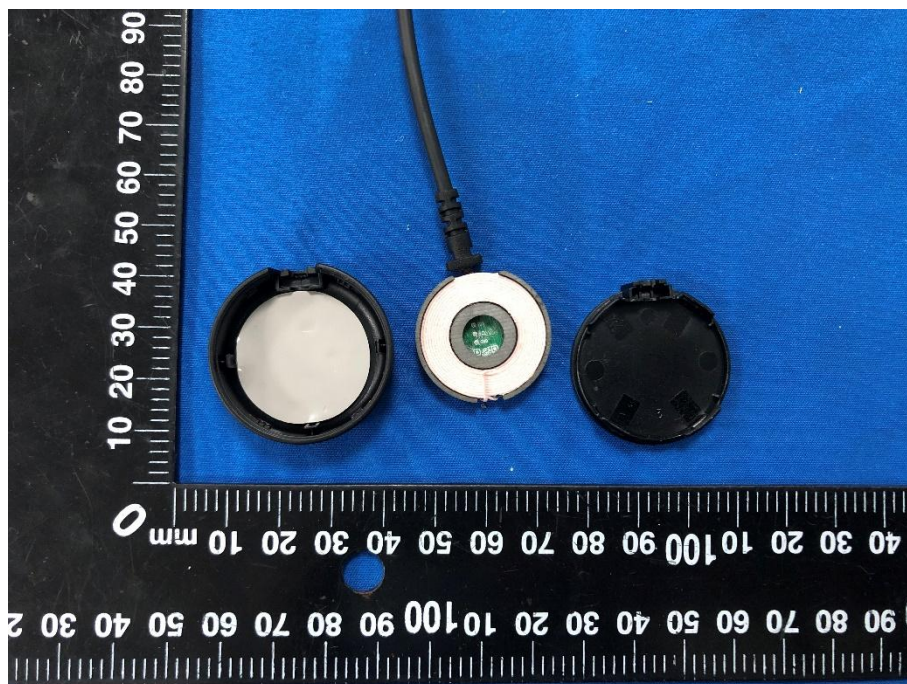


Accessory-UGREEN Finder Mini 2

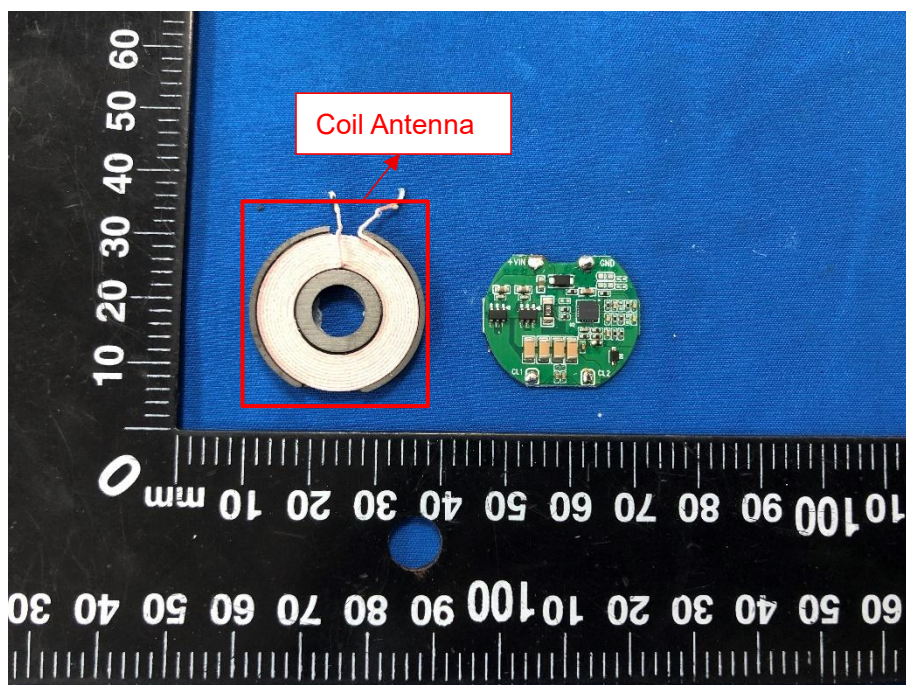


ANNEX C EUT INTERNAL PHOTOS

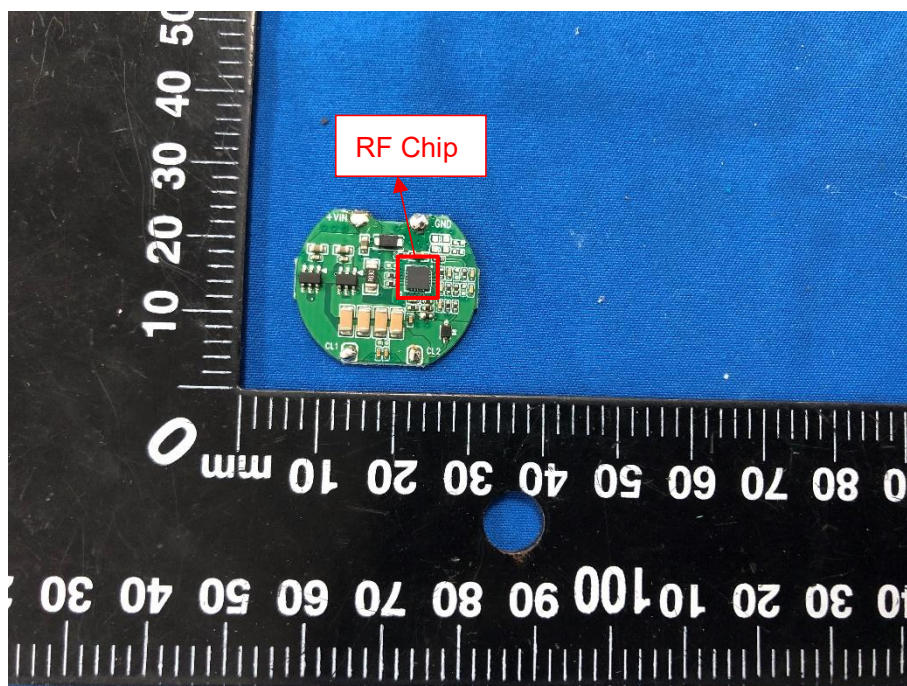
EUT UNCOVER VIEW 1



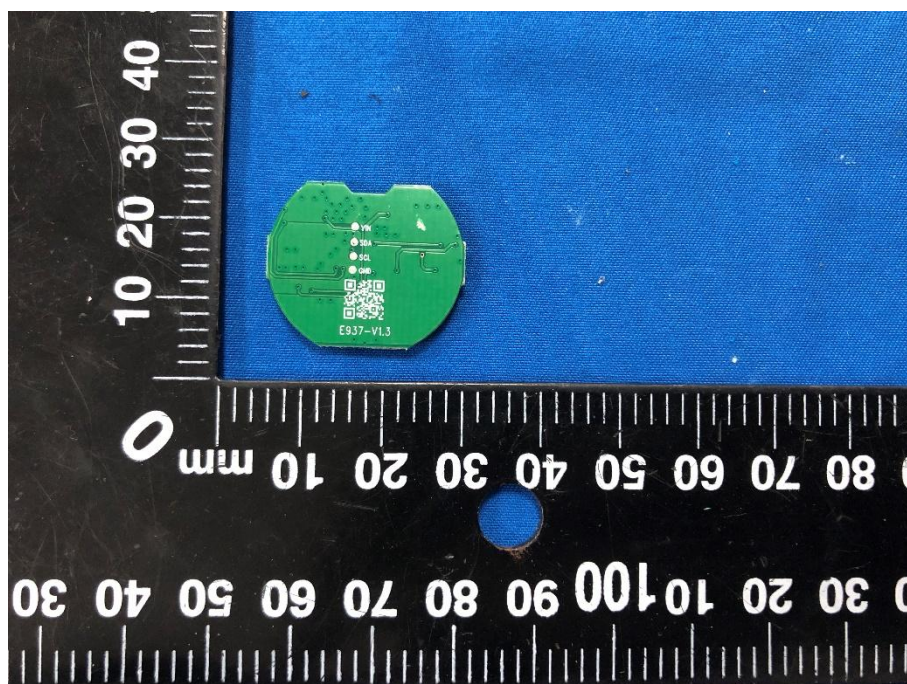
EUT UNCOVER VIEW 2



MAIN BOARD TOP VIEW



MAIN BOARD REAR VIEW



Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--