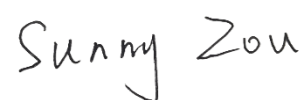
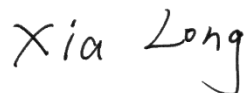


TEST REPORT

Applicant: MorningBlues Technology Limited
Address: Room 511, 5/F, Ming Sang Industrial Building, 19-21
Hing Yip Street, kwun Tong, Kowloon, Hong Kong
Equipment Type: MorningBlues Cabinet S1
Model Name: MBSP03
Brand Name: MorningBlues
FCC ID: 2BLQA-MBSP03
Test Standard: 47 CFR Part 15 Subpart C
ANSI C63.10-2013
Sample Arrival Date: Jan. 07, 2025
Test Date: Jan. 09, 2025 - Feb. 06, 2025
Date of Issue: Feb. 25, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Liu Chenfang**Checked by:** Xia Long**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Feb. 25, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	MorningBlues Technology Limited
Address	Room 511, 5/F, Ming Sang Industrial Building, 19-21 Hing Yip Street, kwun Tong, Kowloon, Hong Kong

2.2 Manufacturer Information

Manufacturer	MorningBlues Technology Limited
Address	Room 511, 5/F, Ming Sang Industrial Building, 19-21 Hing Yip Street, kwun Tong, Kowloon, Hong Kong

2.3 General Description for Equipment under Test (EUT)

EUT Name	MorningBlues Cabinet S1
Model Name Under Test	MBSP03
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

2.4 Technical Information

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

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

Modulation Type	Qi
Operating Frequency	110.5~205 kHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Antenna Type	Coil Antenna
About Product	The EUT support the Qi and PMA 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}
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: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.			

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 (30 MHz-1 GHz)-3m	4.4 dB
Radiated emissions (1 GHz-18 GHz)-3m	5.0 dB

4 GENERAL TEST CONFIGURATIONS

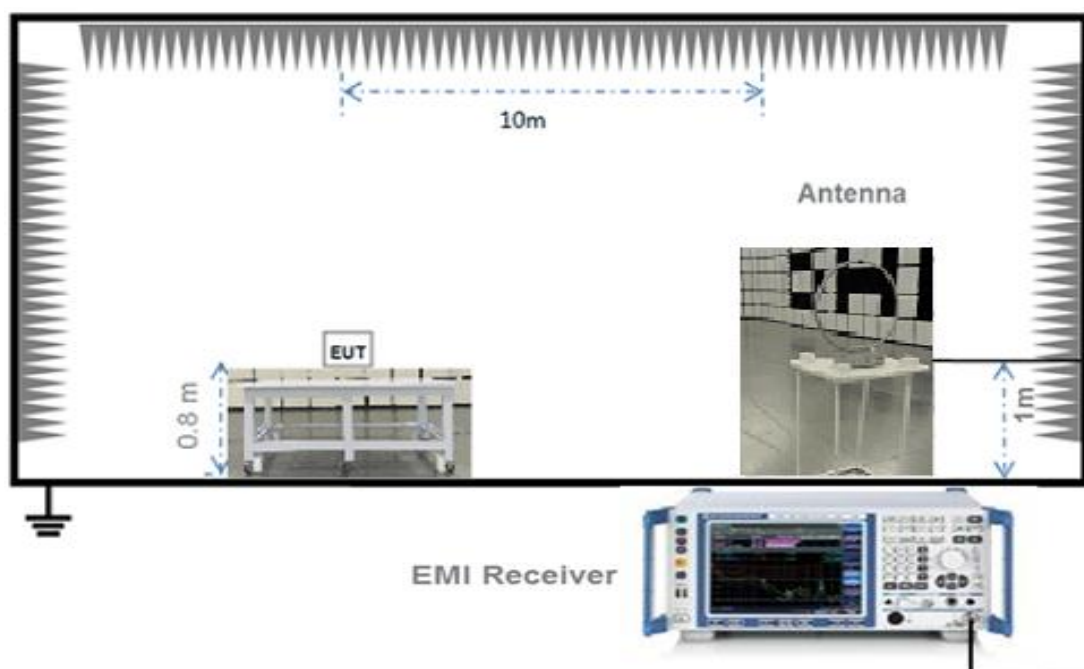
4.1 Test Environments

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)	AC 120 V/60 Hz

4.2 Test Setups

Test Setup 1

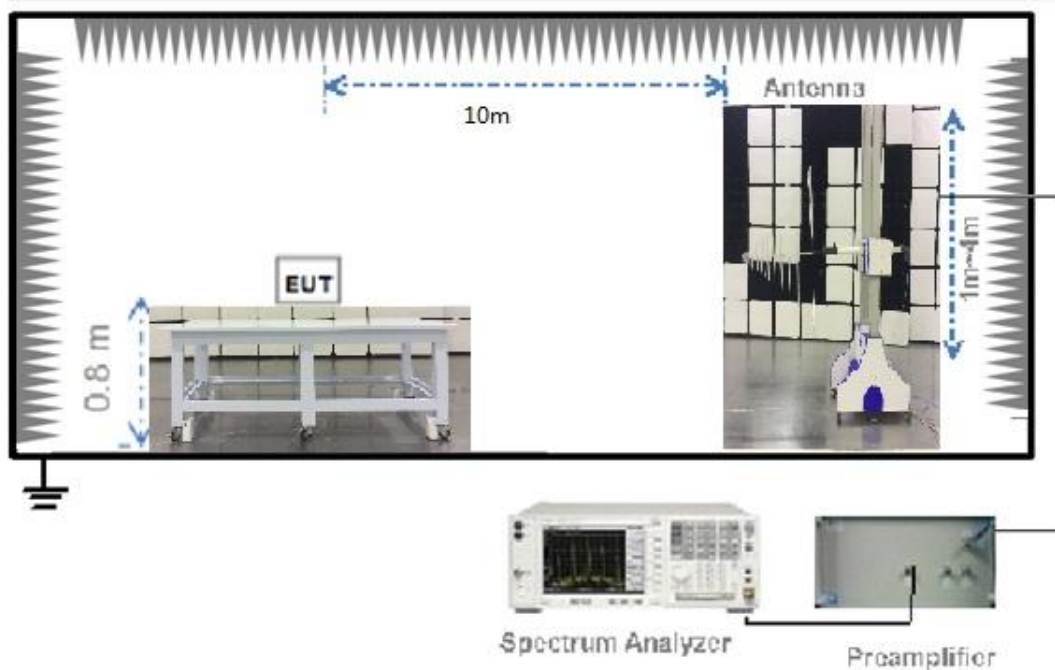
Radiated Test (Below 30 MHz)



(Diagram 1)

Test Setup 2

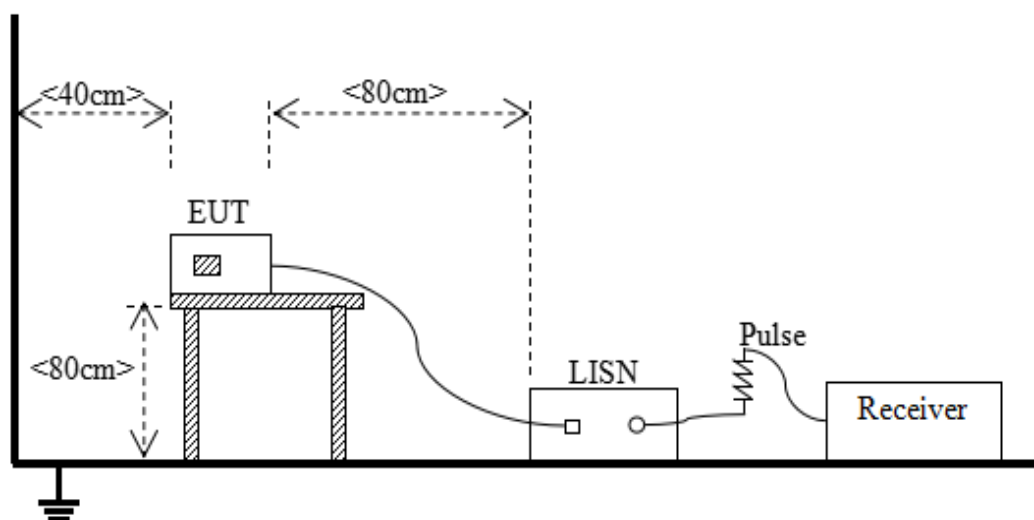
Radiated Test (30 MHz-1 GHz)



(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

5.2.1.4 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

5.2.2 Conduct Emission

5.2.2.1 Test Limit

Frequency range (MHz)	Conducted Limit (dBμV)	
	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.

5.2.2.4 Test Result and Test Equipment List

Please refer to ANNEX A.2.

NOTE:

1. Results (dBμV) = Reading (dBμV) + 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

5.2.3 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

Please refer to ANNEX A.3.

ANNEX A TEST RESULTS

A.1 Radiated Emission

Note 1: This frequency which near 0.133 MHz with circle should be ignored because they are Qi carrier frequencies.

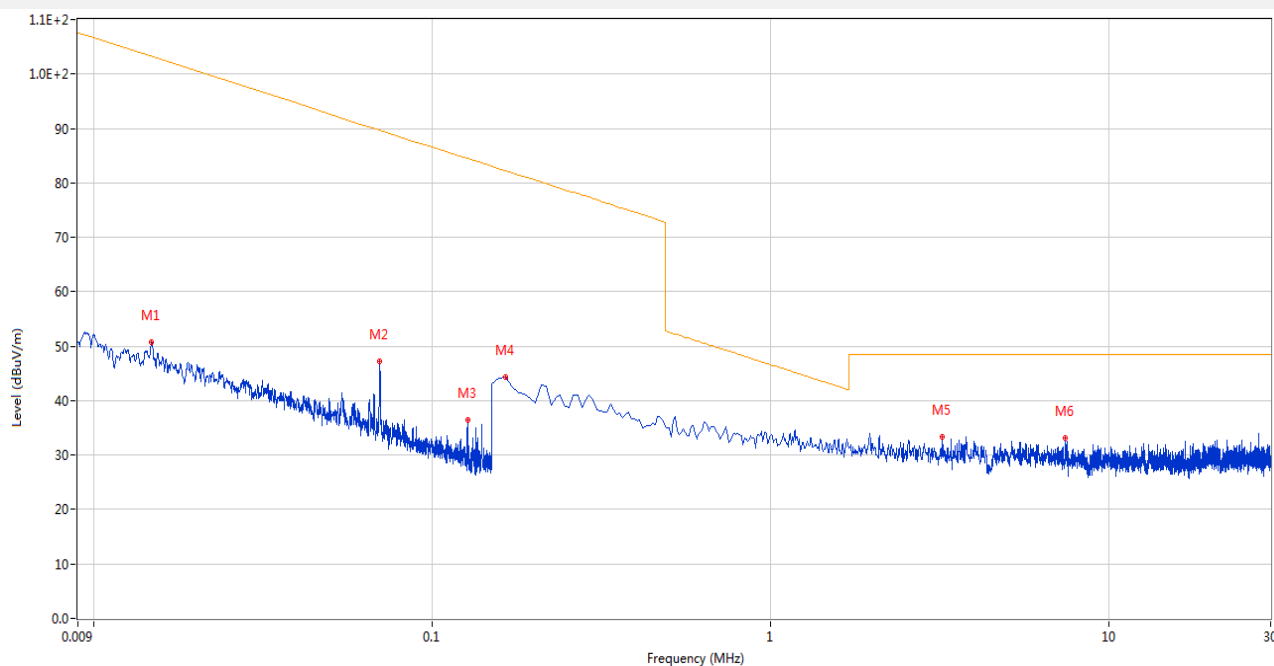
Note 2: For measuring equipment calibrated in dB μ V, the reading should be reduced by 51.5 dB to be converted to dB μ A/m.

Sample No.	S02	Temperature	22.6°C
Humidity	33%RH	Pressure	101kPa
Test Engineer	Zhou Haonan	Test Date	2025.01.16

Test Data and Plot

Mode 1

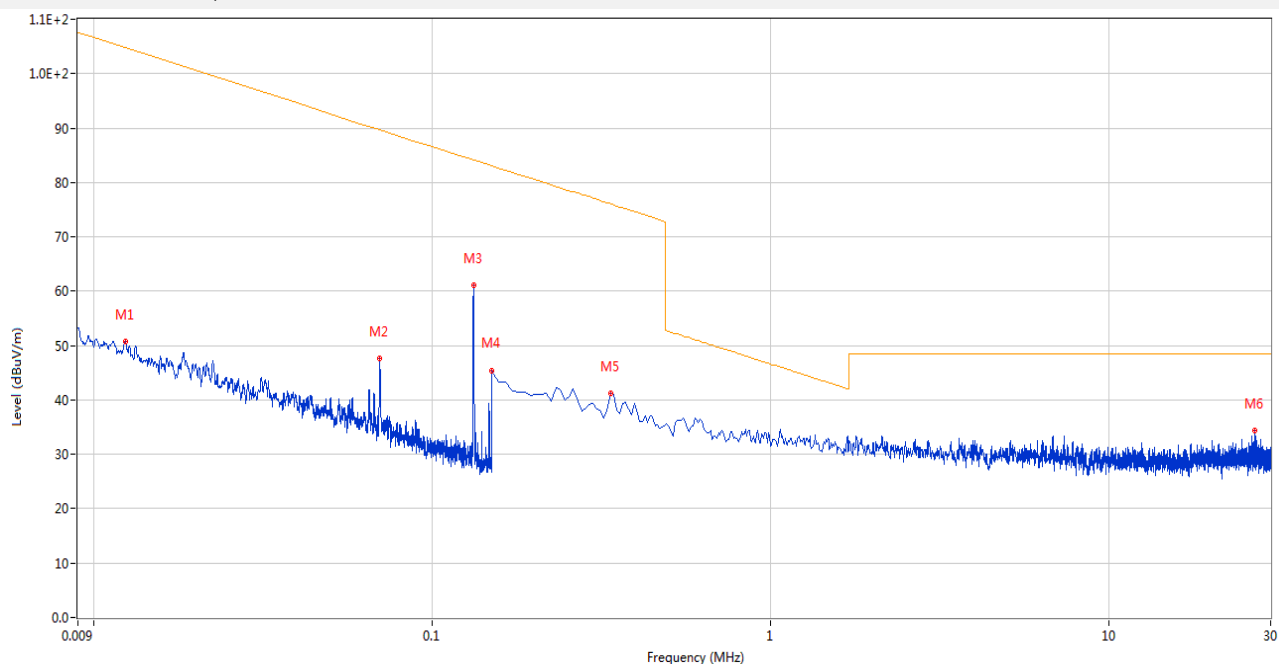
9 kHz to 30 MHz, ANT-V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.015	50.75	20.10	103.2	52.45	Peak	360.00	100	Vertical	Pass
2	0.070	47.23	20.17	89.7	42.47	Peak	302.00	100	Vertical	Pass
3	0.127	36.44	20.15	84.5	48.06	Peak	313.00	100	Vertical	Pass
4	0.165	44.38	20.10	82.2	37.82	Peak	323.00	100	Vertical	Pass
5	3.225	33.42	20.56	48.5	15.08	Peak	1.00	100	Vertical	Pass
6	7.426	33.14	20.83	48.5	15.36	Peak	1.00	100	Vertical	Pass

Mode 2

9 kHz to 30 MHz, ANT-V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.012	50.74	20.03	104.7	53.96	Peak	210.00	100	Vertical	Pass
2	0.070	47.70	20.17	89.7	42.00	Peak	329.00	100	Vertical	Pass
3	0.133	61.09	20.15	84.1	23.01	Peak	4.00	100	Vertical	N/A
4	0.150	27.88	20.15	83.1	55.22	Peak	231.00	100	Vertical	Pass
5	0.337	41.15	20.16	76.1	34.95	Peak	185.00	100	Vertical	Pass
6	26.925	34.33	21.23	48.5	14.17	Peak	185.00	100	Vertical	Pass

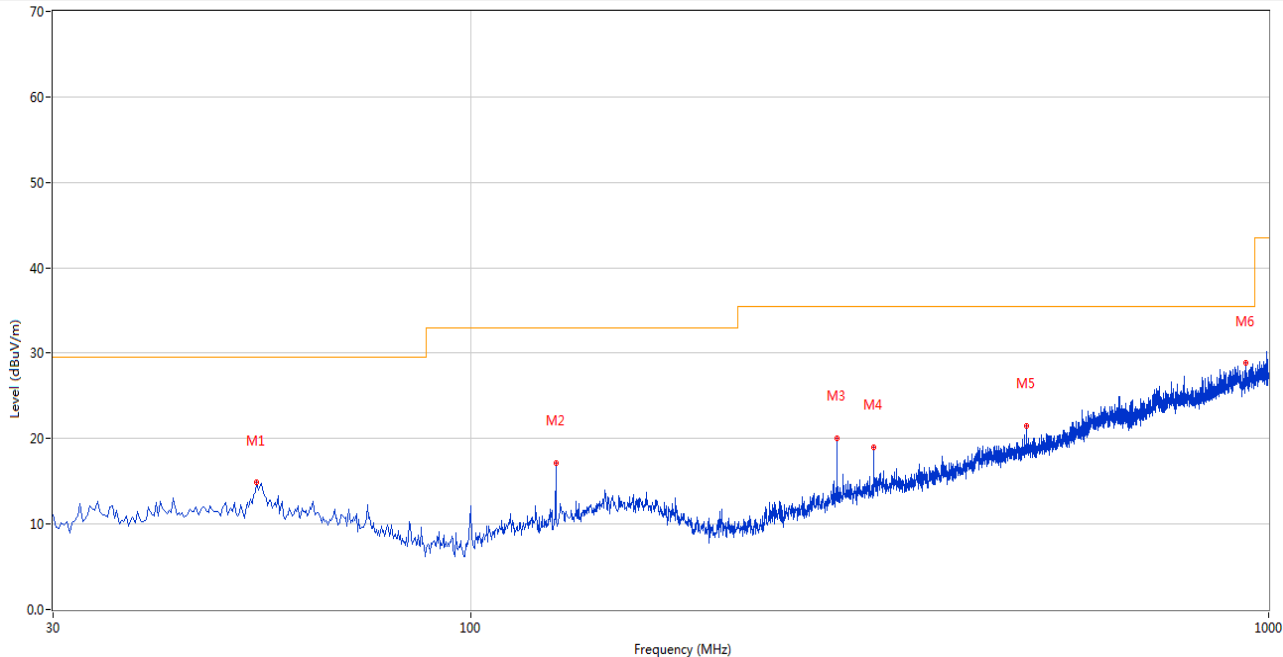
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCH WARZ	ESRP	101036	2024.08.01	2025.07.31	☒
Test Antenna- Loop	SCHWARZBE CK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Anechoic Chamber (10m)	EMC TECHNOLOGY LTD	20.1m*11.6m* 7.35m	130	2024.07.13	2027.07.12	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

Sample No.	S02	Temperature	22.7℃
Humidity	41%RH	Pressure	101kPa
Test Engineer	Zhou Haonan	Test Date	2025.02.07

Test Data and Plot

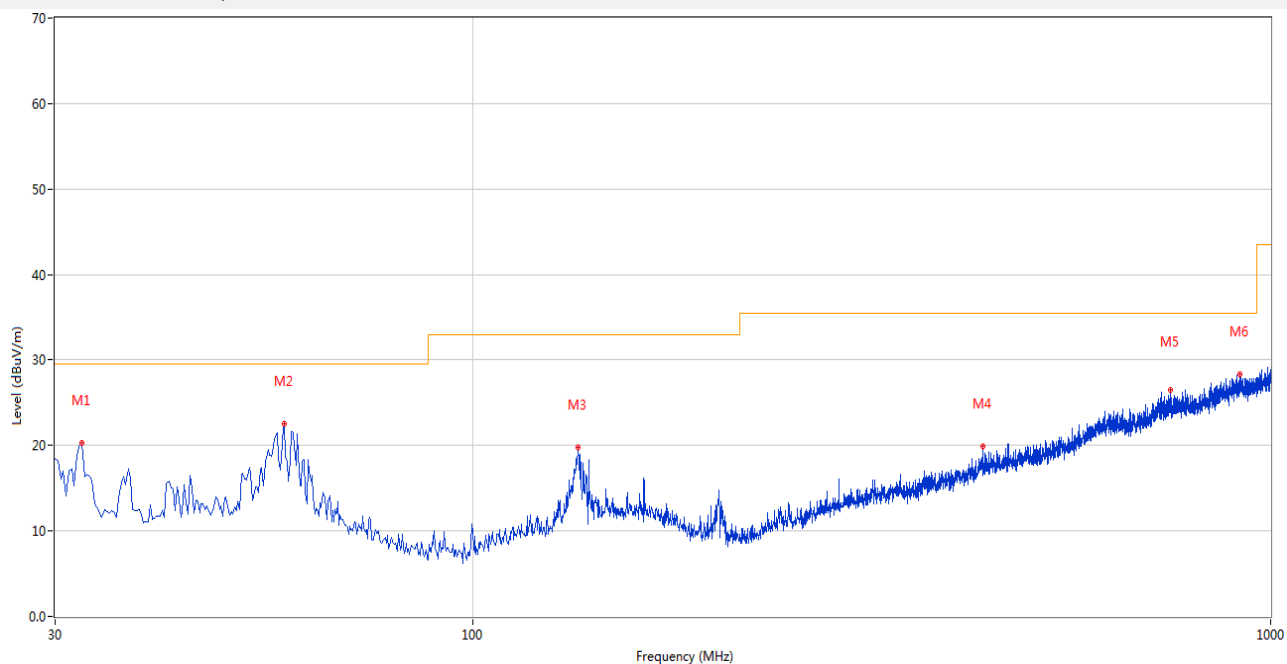
Mode 1

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	54.002	14.84	-26.08	29.5	14.66	Peak	360.00	200	Horizontal	Pass
2	127.946	17.19	-27.27	33.0	15.81	Peak	311.00	100	Horizontal	Pass
3	287.956	19.99	-25.18	35.5	15.51	Peak	0.00	200	Horizontal	Pass
4	319.958	18.93	-24.36	35.5	16.57	Peak	360.00	200	Horizontal	Pass
5	497.181	21.49	-19.53	35.5	14.01	Peak	338.00	200	Horizontal	Pass
6	936.966	28.91	-10.54	35.5	6.59	Peak	360.00	200	Horizontal	Pass

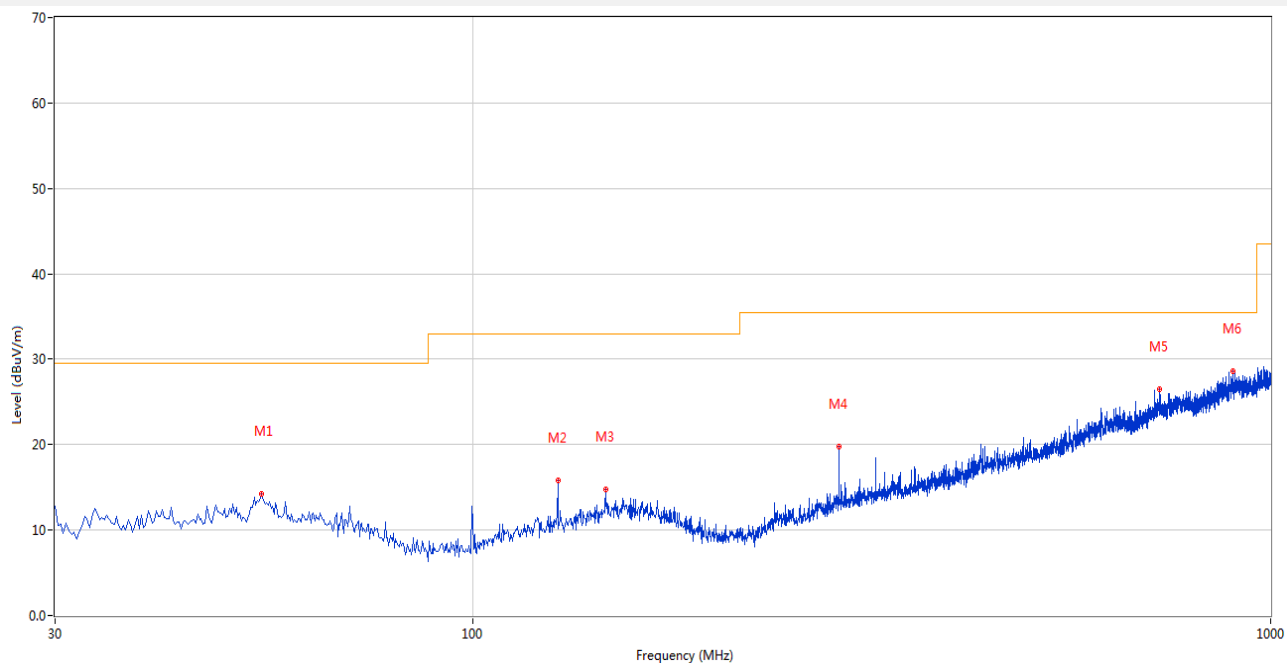
30 MHz to 1 GHz, ANT-V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.424	20.32	-27.54	29.5	9.18	Peak	269.00	200	Vertical	Pass
2	58.123	22.50	-26.40	29.5	7.00	Peak	105.00	200	Vertical	Pass
3	135.704	19.79	-26.55	33.0	13.21	Peak	18.00	200	Vertical	Pass
4	435.601	19.89	-20.97	35.5	15.61	Peak	350.00	200	Vertical	Pass
5	748.833	26.44	-13.18	35.5	9.06	Peak	276.00	200	Vertical	Pass
6	916.116	28.39	-10.45	35.5	7.11	Peak	140.00	100	Vertical	Pass

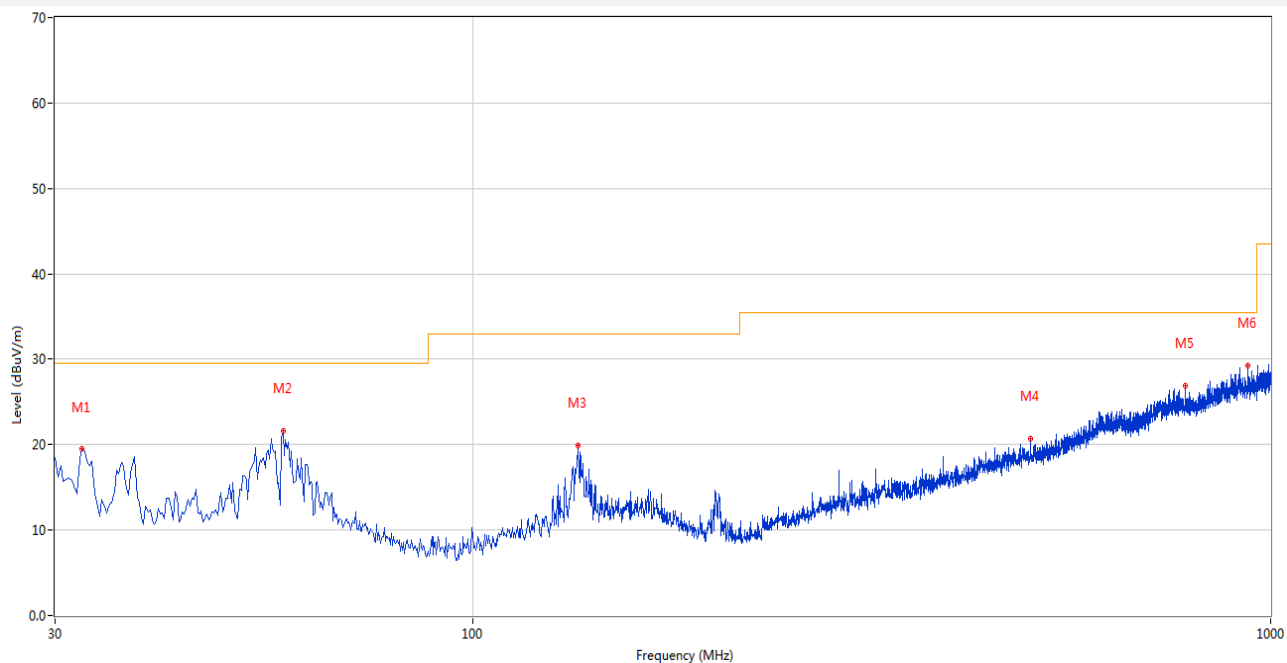
Mode 2

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	14.27	-26.11	29.5	15.23	Peak	140.00	100	Horizontal	Pass
2	127.946	15.80	-27.27	33.0	17.20	Peak	234.00	100	Horizontal	Pass
3	146.856	14.79	-25.55	33.0	18.21	Peak	313.00	200	Horizontal	Pass
4	287.956	19.76	-25.18	35.5	15.74	Peak	80.00	200	Horizontal	Pass
5	726.043	26.56	-13.81	35.5	8.94	Peak	1.00	200	Horizontal	Pass
6	897.448	28.62	-10.56	35.5	6.88	Peak	274.00	100	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	32.424	19.45	-27.54	29.5	10.05	Peak	360.00	200	Vertical	Pass
2	57.881	21.58	-26.39	29.5	7.92	Peak	75.00	100	Vertical	Pass
3	135.704	19.92	-26.55	33.0	13.08	Peak	3.00	200	Vertical	Pass
4	500.090	20.65	-19.32	35.5	14.85	Peak	297.00	200	Vertical	Pass
5	782.289	26.85	-13.17	35.5	8.65	Peak	360.00	200	Vertical	Pass
6	936.966	29.22	-10.54	35.5	6.28	Peak	356.00	200	Vertical	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCH WARZ	ESRP	101036	2024.08.01	2025.07.31	☒
Amplifier (30MHz-1GHz)	COM-MV	ZT30- 1000M	B2018054558	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZBE CK	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	/		☒

A.2 Conducted Emission

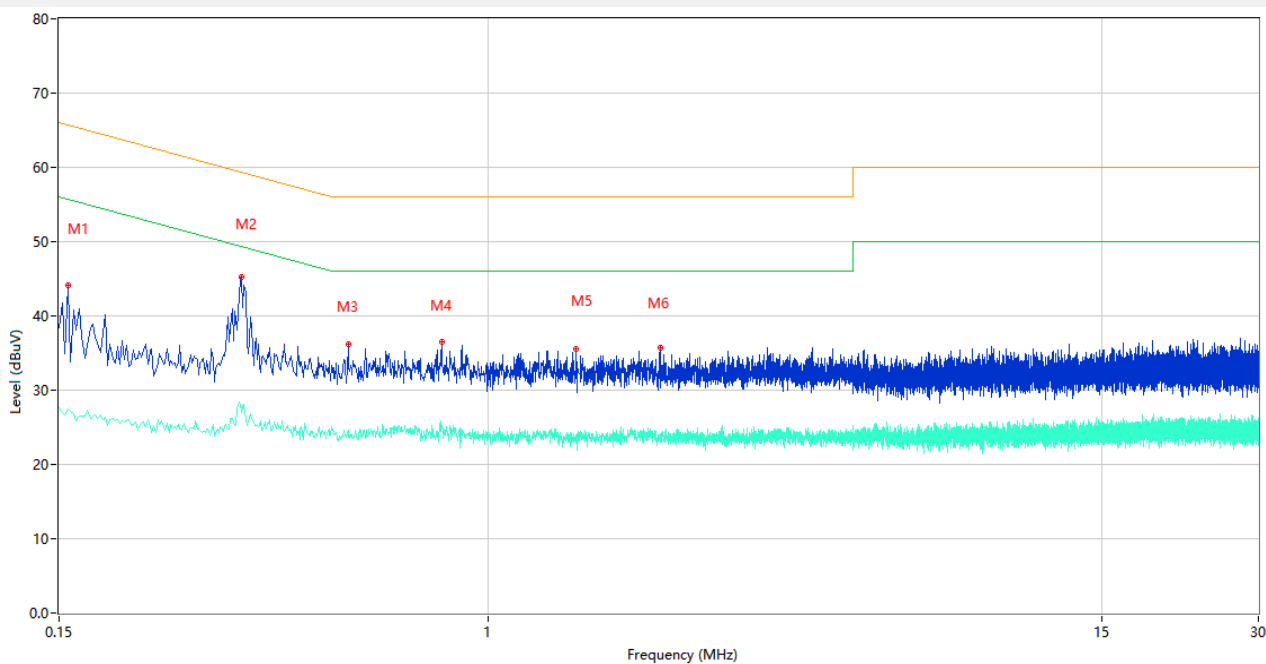
Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration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

Sample No.	S02	Temperature	21.1℃
Humidity	39%RH	Pressure	101kPa
Test Engineer	Yang Panxia	Test Date	2025.01.09

Test Data and Plot

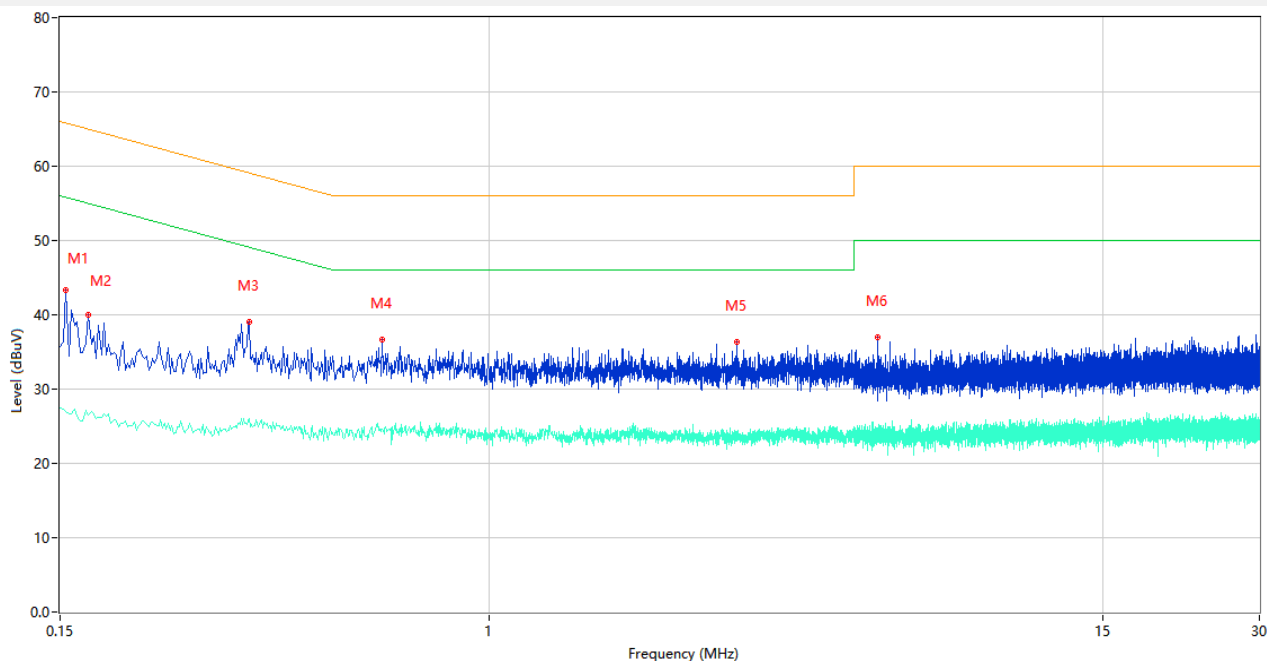
Mode 1

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	44.15	9.78	65.67	21.52	Peak	L	Pass
1**	0.156	27.42	9.78	55.67	28.25	AV	L	Pass
2	0.336	45.23	10.48	59.30	14.07	Peak	L	Pass
2**	0.336	27.02	10.48	49.30	22.28	AV	L	Pass
3	0.538	36.21	10.02	56.00	19.79	Peak	L	Pass
3**	0.538	23.69	10.02	46.00	22.31	AV	L	Pass
4	0.814	36.47	10.55	56.00	19.53	Peak	L	Pass
4**	0.814	25.19	10.55	46.00	20.81	AV	L	Pass
5	1.472	35.63	10.16	56.00	20.37	Peak	L	Pass
5**	1.472	23.29	10.16	46.00	22.71	AV	L	Pass
6	2.138	35.66	10.14	56.00	20.34	Peak	L	Pass
6**	2.138	24.17	10.14	46.00	21.83	AV	L	Pass

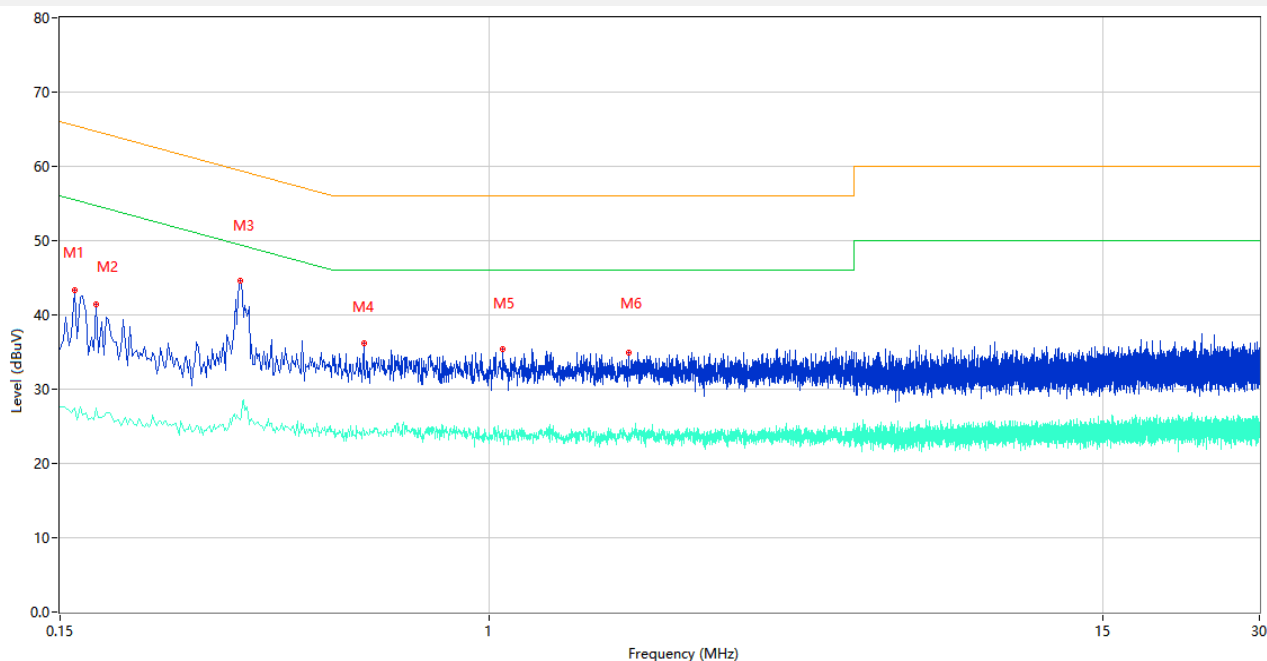
PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	43.30	9.78	65.78	22.48	Peak	N	Pass
1**	0.154	26.91	9.78	55.78	28.87	AV	N	Pass
2	0.170	40.06	9.78	64.96	24.90	Peak	N	Pass
2**	0.170	26.53	9.78	54.96	28.43	AV	N	Pass
3	0.346	39.01	10.68	59.06	20.05	Peak	N	Pass
3**	0.346	26.03	10.68	49.06	23.03	AV	N	Pass
4	0.622	36.60	10.18	56.00	19.40	Peak	N	Pass
4**	0.622	24.65	10.18	46.00	21.35	AV	N	Pass
5	2.988	36.27	10.27	56.00	19.73	Peak	N	Pass
5**	2.988	23.18	10.27	46.00	22.82	AV	N	Pass
6	5.560	36.97	10.48	60.00	23.03	Peak	N	Pass
6**	5.560	23.78	10.48	50.00	26.22	AV	N	Pass

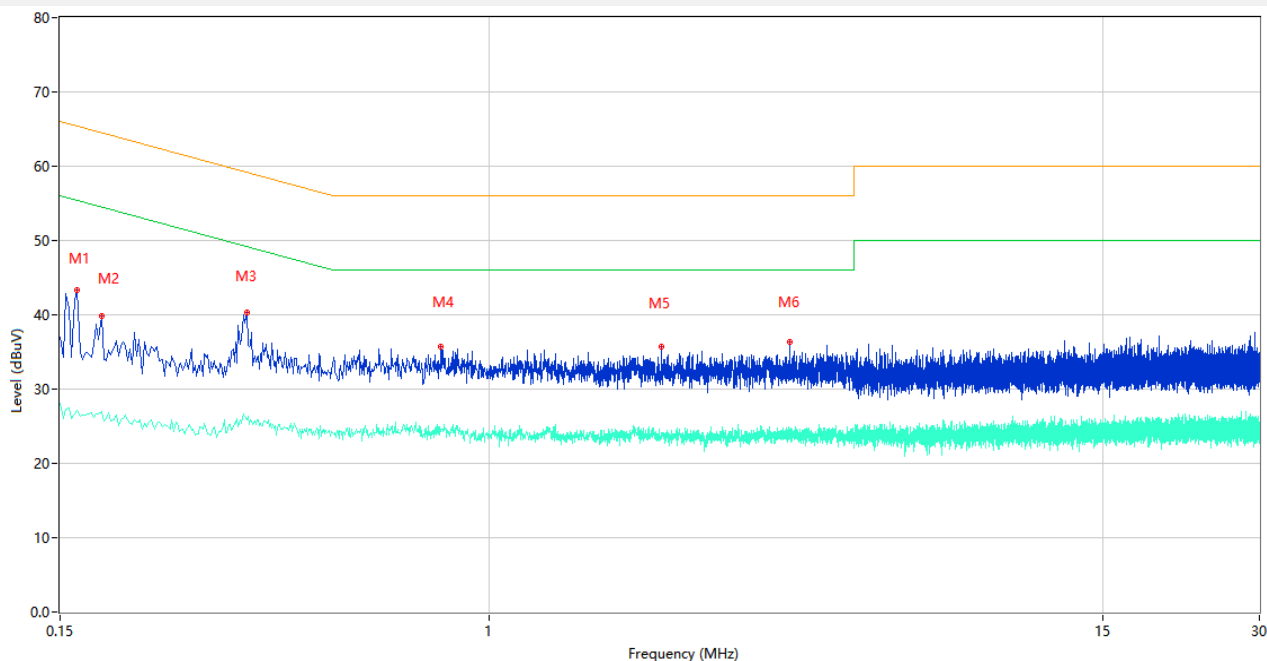
Mode 2

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	43.37	9.78	65.46	22.09	Peak	L	Pass
1**	0.160	27.45	9.78	55.46	28.01	AV	L	Pass
2	0.176	41.48	9.78	64.67	23.19	Peak	L	Pass
2**	0.176	27.46	9.78	54.67	27.21	AV	L	Pass
3	0.332	44.65	10.40	59.40	14.75	Peak	L	Pass
3**	0.332	25.80	10.40	49.40	23.60	AV	L	Pass
4	0.574	36.12	10.09	56.00	19.88	Peak	L	Pass
4**	0.574	24.41	10.09	46.00	21.59	AV	L	Pass
5	1.062	35.44	10.13	56.00	20.56	Peak	L	Pass
5**	1.062	24.13	10.13	46.00	21.87	AV	L	Pass
6	1.850	34.96	10.11	56.00	21.04	Peak	L	Pass
6**	1.850	23.23	10.11	46.00	22.77	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	43.27	9.78	65.36	22.09	Peak	N	Pass
1**	0.162	27.22	9.78	55.36	28.14	AV	N	Pass
2	0.180	39.81	9.78	64.49	24.68	Peak	N	Pass
2**	0.180	27.02	9.78	54.49	27.47	AV	N	Pass
3	0.342	40.25	10.60	59.15	18.90	Peak	N	Pass
3**	0.342	25.82	10.60	49.15	23.33	AV	N	Pass
4	0.808	35.77	10.54	56.00	20.23	Peak	N	Pass
4**	0.808	24.54	10.54	46.00	21.46	AV	N	Pass
5	2.140	35.78	10.15	56.00	20.22	Peak	N	Pass
5**	2.140	23.54	10.15	46.00	22.46	AV	N	Pass
6	3.764	36.33	10.41	56.00	19.67	Peak	N	Pass
6**	3.764	23.34	10.41	46.00	22.66	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08	☒
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

A.3 20 dB Bandwidth

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.

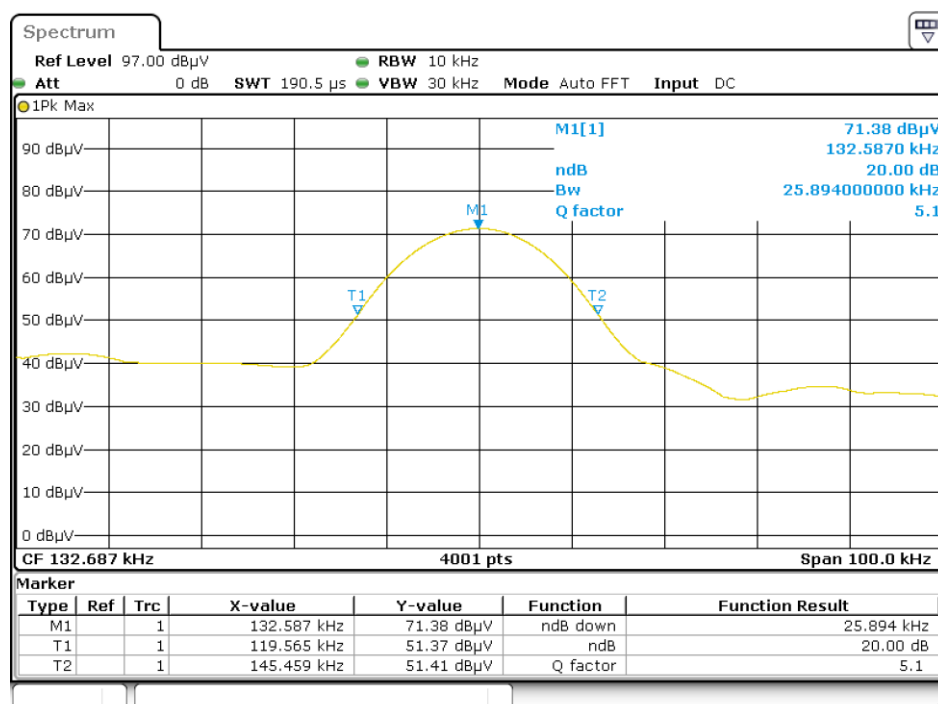
Sample No.	S02	Temperature	23.9℃
Humidity	56%RH	Pressure	101kPa
Test Engineer	Zhou Haonan	Test Date	2025.02.06

Test Data

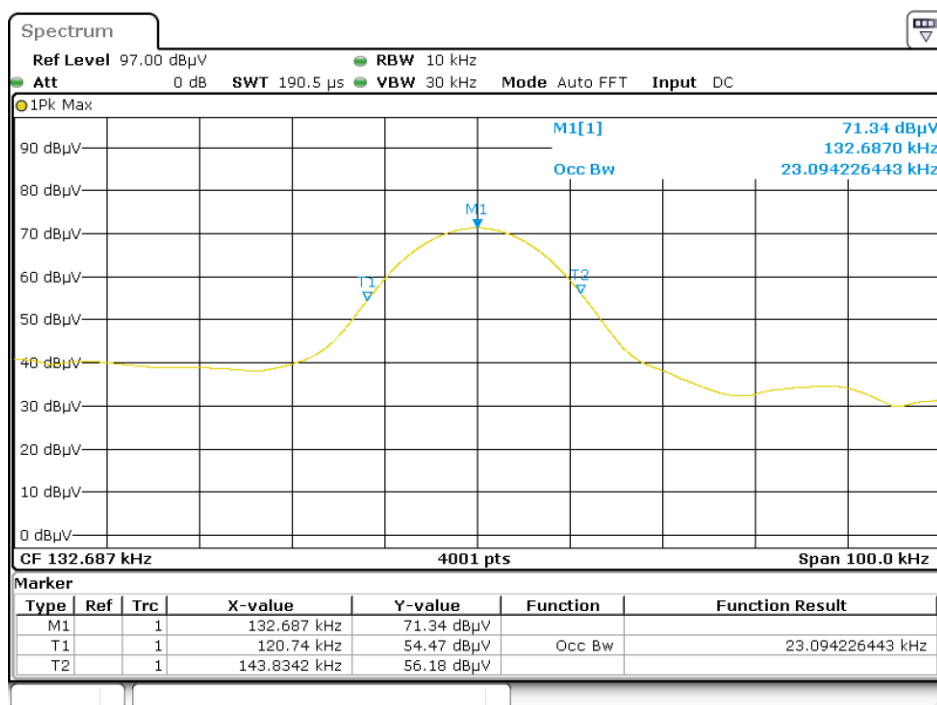
Frequency (MHz)	Emission Bandwidth (20dB down) (kHz)	Occupied Bandwidth (99%) (kHz)
0.133	25.894	23.0942

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	2024.08.01	2025.07.31	☒
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 B TEST SETUP PHOTOS

Please refer the document “BL-SZ2510302-AE-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2510302-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2510302-AI.PDF”.

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--END OF REPORT--