

TEST REPORT

Applicant: TENG INTERNACIONAL TRADING LIMITED
Address: 4f 299 QRC NOS 287 299 QUEENS RD CENTRAL,
HONG KONG
Equipment Type: Pos Terminal
Model Name: S8
Brand Name: TENG INTERNACIONAL
FCC ID: 2BTGQ-S8
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Dec. 01, 2025
Test Date: Dec. 09, 2025 - Jan. 21, 2026
Date of Issue: Jan. 26, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Yang Panxia*Yang Panxia***Checked by:** Xiong Chong*Xiong Chong***Approved by:** Tolan Tu
(Technical Director)*Tolan Tu*

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jan. 26, 2026</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
	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No. 55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
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	TENG INTERNACIONAL TRADING LIMITED
Address	4f 299 QRC NOS 287 299 QUEENS RD CENTRAL, HONG KONG

2.2 Manufacturer Information

Manufacturer	TENG INTERNACIONAL TRADING LIMITED
Address	4f 299 QRC NOS 287 299 QUEENS RD CENTRAL, HONG KONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Pos Terminal
Model Name Under Test	S8
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V3
Software Version	SP7997B_V022_20251112_debug
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	SP7997A
	Serial No.	N/A
	Capacity	5100 mAh
	Rated Voltage	3.6 V
	Limit Charge Voltage	4.2 V
Ancillary Equipment 2	Adapter 1	
	Brand Name	N/A
	Model No.	F10L1-050200SPAE-U
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.3A
	Rated Output	5.0V= 2.0A
Ancillary Equipment 3	Adapter 2	
	Brand Name	N/A
	Model No.	GLH50R2000HW
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.4A
	Rated Output	5.0V= 2.0A
Ancillary Equipment 4	USB Cable	
	Length (Approx.)	1.51 m

2.5 Technical Information

Network and Wireless connectivity	2G Network GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/5 4G Network LTE FDD Band 5/7 Bluetooth, WIFI, NFC
Classification of equipment	Class B
The highest internal frequency of EUT	5850 MHz

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

3.2 Verdict

No.	Description	FCC Rule	Test Verdict	Remark
1	Radiated Emission	15.109	Pass	--
2	Conducted Emission, AC Ports	15.107	Pass	--

3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Measurement	Value
Conducted emissions (9 kHz-30 MHz)	3.4 dB
Radiated emissions (30 MHz-1 GHz)-C8-966	4.2 dB
Radiated emissions (1 GHz-18 GHz)-C8-966	5.3 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Type-C Cable	OPPO	N/A	N/A	1m	Unshielded with core	☒
Laptop Computer	HONOR	KPRC-W10	N/A	N/A	N/A	☒

4.2 Test Configurations

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

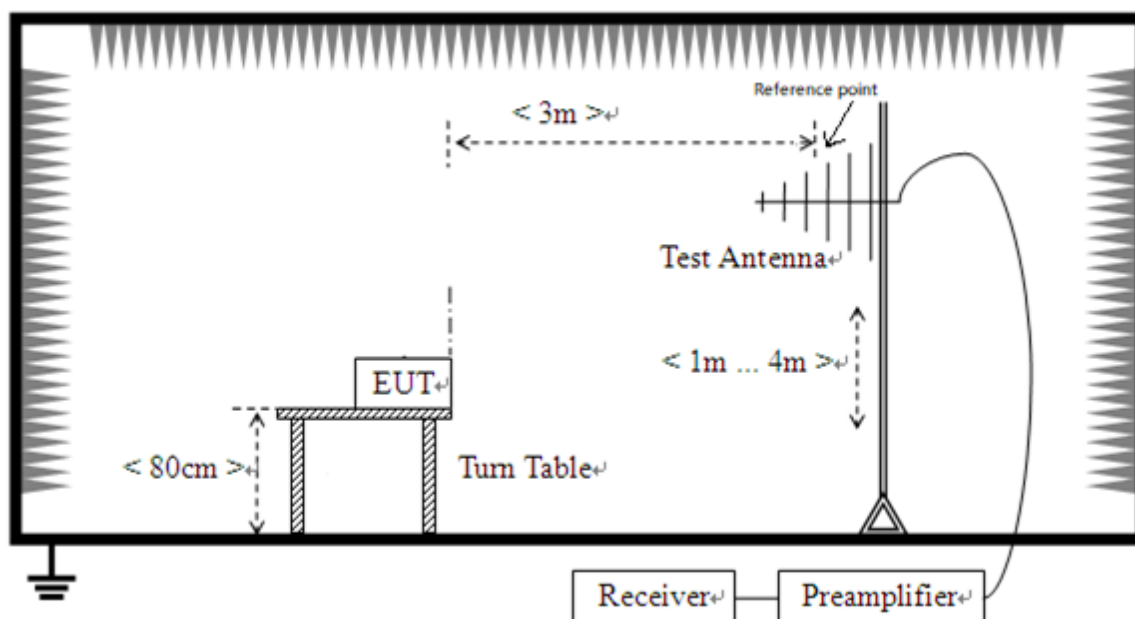
Test Mode Configuration	Description
Mode 1	<u>The Print Test Mode</u> EUT + Battery + Adapter + USB Cable
Mode 2	<u>The Data transmission Test Mode</u> EUT + Battery + Type-C Cable + Laptop Computer

Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 2	1
Conducted Emission, AC Ports	Mode 1~Mode 2	1

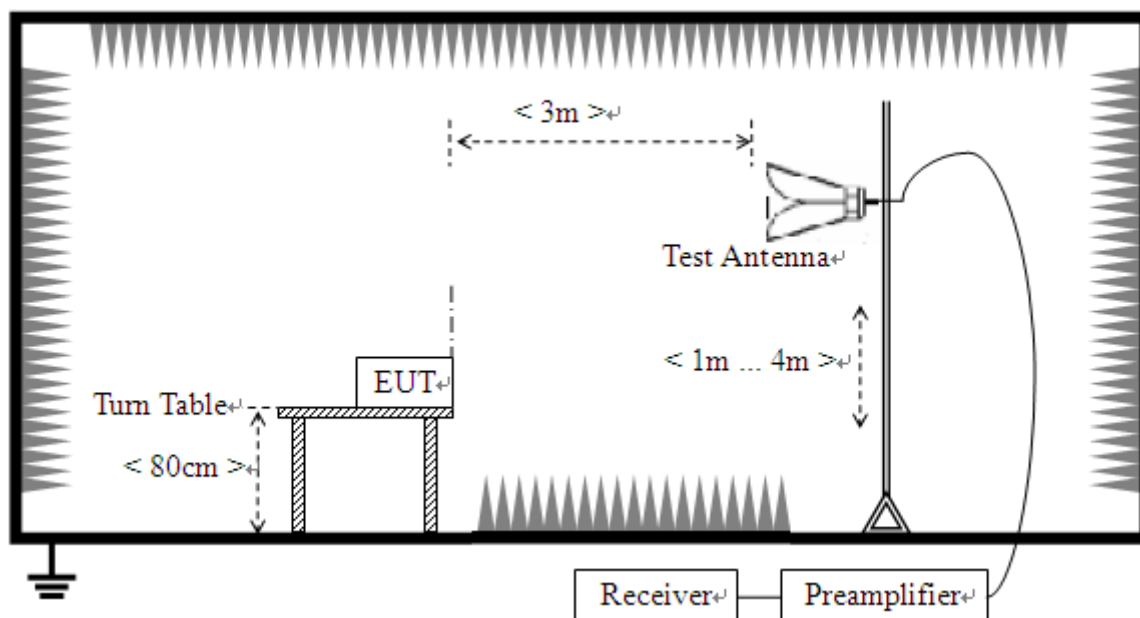
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.

4.3 Test Setups

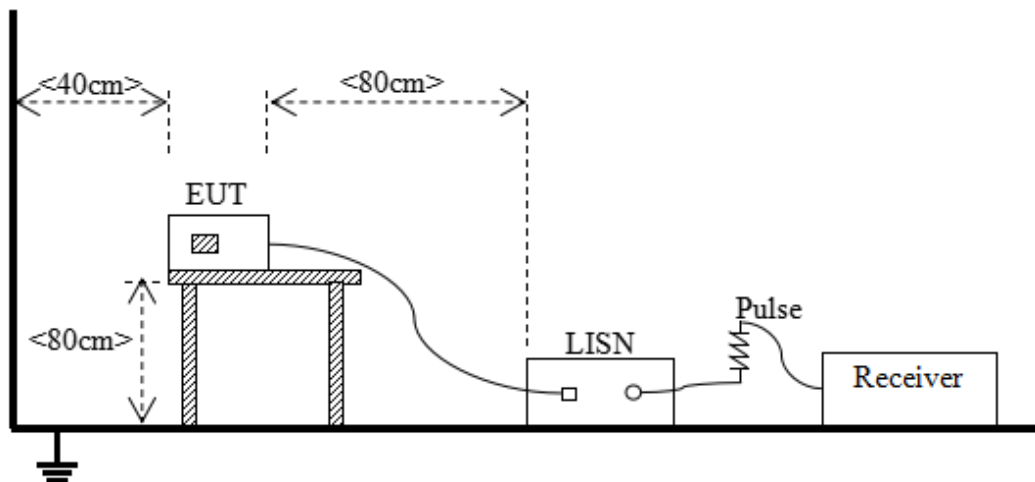
Test Setup 1



Radiated Emission (30 MHz-1 GHz)



Radiated Emission (above 1 GHz)

Test Setup 2

Conducted Emissions, AC Ports

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

Frequency range (MHz)	Class B (at 3 m)		Class A (at 3 m)
	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)
30 - 88	100	40	49.5
88 - 216	150	43.5	54
216 - 960	200	46	56.9
Above 960	500	54	60

NOTE:

- 1) Field Strength (dB $\mu\text{V/m}$) = $20 \times \log [\text{Field Strength } (\mu\text{V/m})]$.
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For 30 MHz to 1000 MHz, the CISPR quasi-peak is employed.

For above 1000 MHz, according to the requirements of FCC 15.35, unless otherwise specified, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

Frequency range (GHz)	Class B (at 3 m)			Class A (at 3 m)	
	Field Strength ($\mu\text{V/m}$)	Field Strength Average (dB $\mu\text{V/m}$)	Field Strength Peak (dB $\mu\text{V/m}$)	Field Strength Average (dB $\mu\text{V/m}$)	Field Strength Peak (dB $\mu\text{V/m}$)
1 - F_M	500	54	74	60	80

Note 1: The highest measurement frequency, F_M , in GHz, shall be determined as next Table.

Note 2: Average Class A limit at 3m L_{3m} is determined by the following conversion formula:

$$L_{3m} = L_{10m} + 20 \times \log(d_{10m}/d_{3m})$$

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: $L_{3m} = 49.5 + 20 \times \log(10/3) = 60$ (dB $\mu\text{V/m}$).

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq 108 \text{ MHz}$	1 GHz
$108 \text{ MHz} \leq F_X \leq 500 \text{ MHz}$	2 GHz
$500 \text{ MHz} \leq F_X \leq 1 \text{ GHz}$	5 GHz
$F_X \geq 1 \text{ GHz}$	$5 * F_X$ or 40 GHz, whichever is lower.
Note: F_X is Highest frequency generated or used in the device or on which the device operates or tunes.	

5.1.1.2 Test Setup

Refer to 4.3 section (test setup 1) for radiated emission test, the photo of test setup please refer to ANNEX B.

5.1.1.3 Test Procedure

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

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

The measurement frequency range is from 30 MHz to the 5th harmonic of the maximum frequency of the EUT internal source. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1 \text{ GHz}$, 100 kHz for $f < 1 \text{ GHz}$

VBW $\geq$ RBW

Sweep = auto

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

Trace = max hold

5.1.1.4 Test Result and Test Equipment List

Please refer to ANNEX A.1.

NOTE:

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

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

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain (dB)

3. Margin = Limit - Results

5.1.2 Conducted Emission, AC Ports

5.1.2.1 Test Limit

Frequency range (MHz)	Class A	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	79	66
0.50 - 30	73	60

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

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

5.1.2.2 Test Setup

Refer to 4.3 section test (test setup 2) for conducted emission, the photo of test setup please refer to ANNEX B.

5.1.2.3 Test Procedure

The EUT is connected to the power mains through a LISN which provides 50 Ω /50 μ H of coupling impedance for the measuring instrument. The test frequency range is from 150 kHz to 30 MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

Use the following spectrum analyzer settings:

RBW = 9 kHz

VBW $\geq$ RBW

Sweep = 10ms

Detector function = peak & Average

Trace = max hold

5.1.2.4 Test Result and Test Equipment List

Please refer to ANNEX A.2.

NOTE:

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

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

2. Factor = Insertion loss + Cable loss

3. Margin = Limit - Results

ANNEX A TEST RESULTS

A.1 Radiated Emission

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

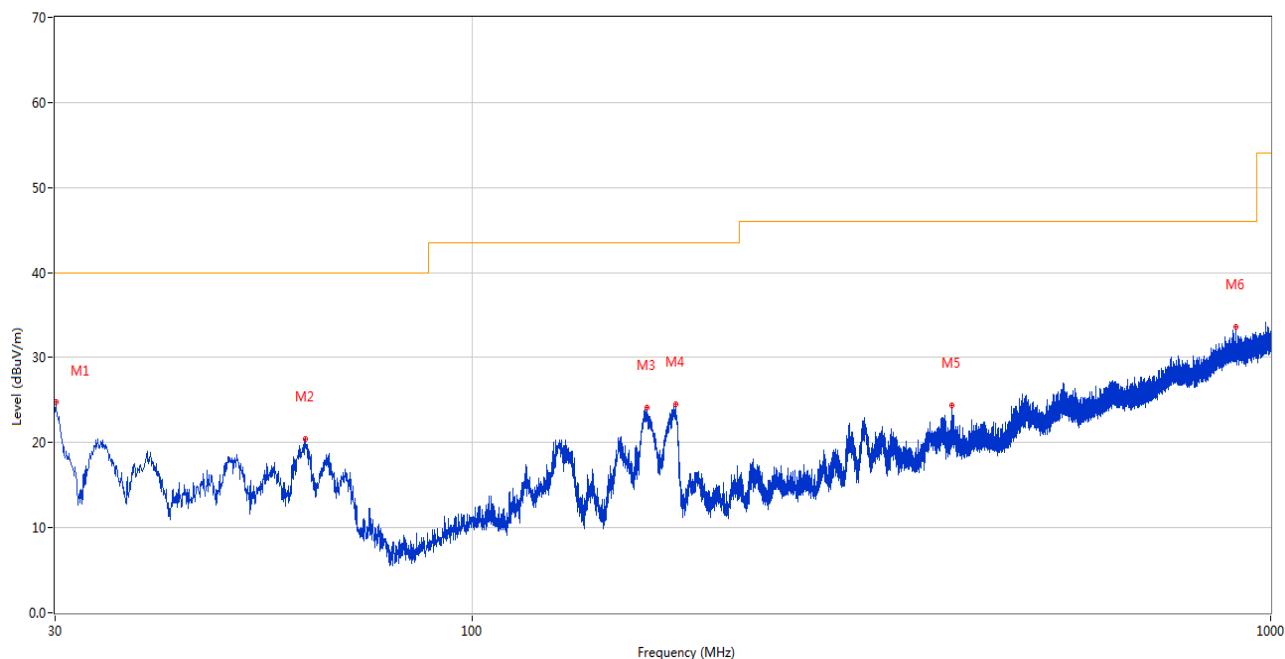
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: 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+A03+A09	Temperature	22.6℃
Humidity	43%RH	Pressure	100.9kPa
Test Engineer	Liao Ziyang	Test Date	2025.12.15

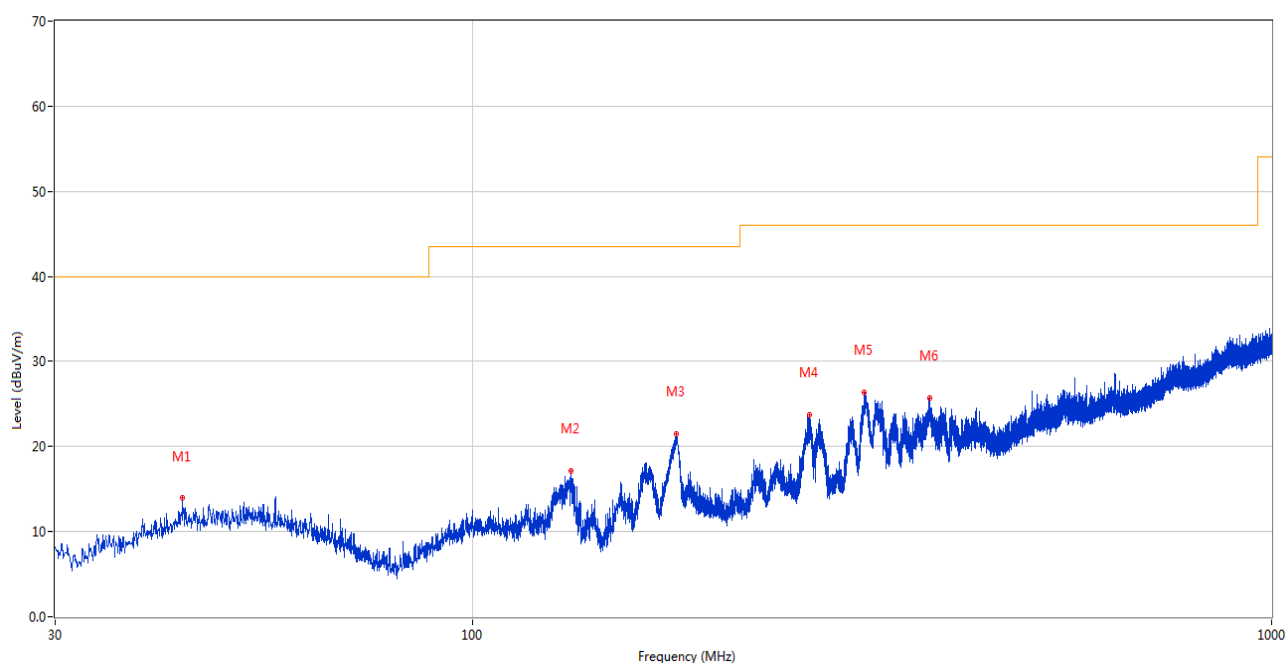
Test Mode 1

1) Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.049	24.81	-28.76	40.0	15.19	Peak	312.30	100	Vertical	Pass
2	61.670	20.44	-25.71	40.0	19.56	Peak	219.50	100	Vertical	Pass
3	165.218	24.08	-27.37	43.5	19.42	Peak	182.20	100	Vertical	Pass
4	179.865	24.49	-26.45	43.5	19.01	Peak	266.60	100	Vertical	Pass
5	398.454	24.41	-18.40	46.0	21.59	Peak	89.40	100	Vertical	Pass
6	904.503	33.63	-6.03	46.0	12.37	Peak	195.80	200	Vertical	Pass

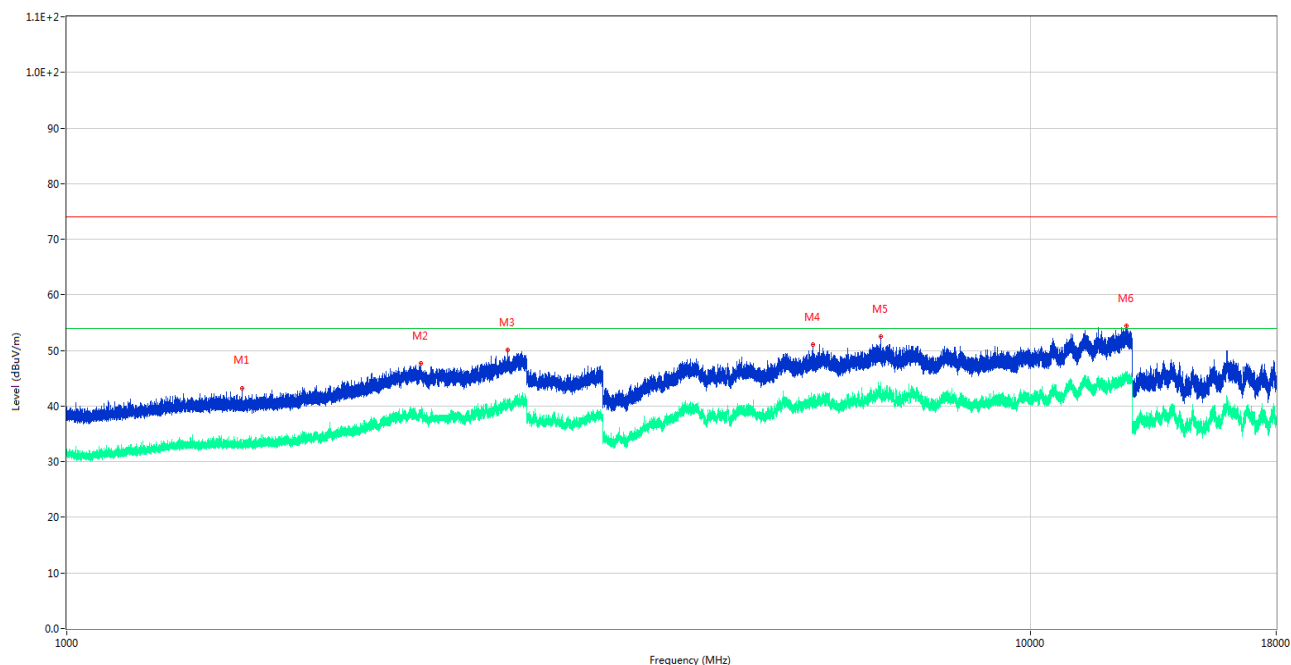
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.289	13.91	-24.73	40.0	26.09	Peak	358.00	100	Horizontal	Pass
2	132.771	17.14	-28.40	43.5	26.36	Peak	10.30	200	Horizontal	Pass
3	180.010	21.49	-26.44	43.5	22.01	Peak	4.50	200	Horizontal	Pass
4	263.673	23.75	-22.48	46.0	22.25	Peak	183.50	100	Horizontal	Pass
5	308.972	26.38	-21.27	46.0	19.62	Peak	218.90	100	Horizontal	Pass
6	372.750	25.72	-19.44	46.0	20.28	Peak	133.90	100	Horizontal	Pass

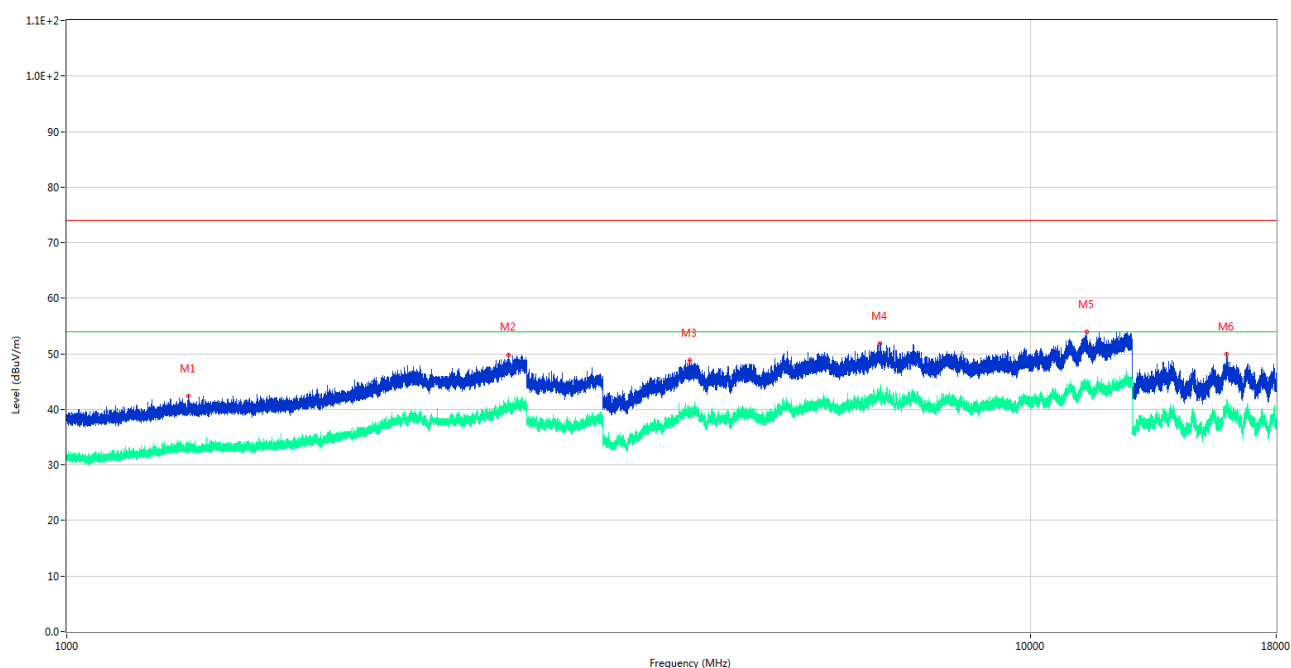
Sample No.	S01+A03+A09	Temperature	22.6°C
Humidity	43%RH	Pressure	100.9kPa
Test Engineer	Liao Ziyang	Test Date	2025.12.15

3) Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1519.200	43.27	-13.43	74.0	30.73	Peak	73.30	100	Vertical	Pass
1**	1519.200	33.38	-13.43	54.0	20.62	AV	73.30	100	Vertical	Pass
2	2331.900	47.67	-8.08	74.0	26.33	Peak	169.20	200	Vertical	Pass
2**	2331.900	38.15	-8.08	54.0	15.85	AV	169.20	200	Vertical	Pass
3	2870.000	50.08	-4.77	74.0	23.92	Peak	0.00	100	Vertical	Pass
3**	2870.000	41.04	-4.77	54.0	12.96	AV	0.00	100	Vertical	Pass
4	5943.400	51.05	-0.60	74.0	22.95	Peak	154.00	200	Vertical	Pass
4**	5943.400	40.24	-0.60	54.0	13.76	AV	154.00	200	Vertical	Pass
5	6995.000	52.45	1.14	74.0	21.55	Peak	181.60	100	Vertical	Pass
5**	6995.000	43.03	1.14	54.0	10.97	AV	181.60	100	Vertical	Pass
6	12573.187	54.45	22.66	74.0	19.55	Peak	216.20	100	Vertical	Pass
6**	12573.187	45.00	22.66	54.0	9.00	AV	216.20	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz

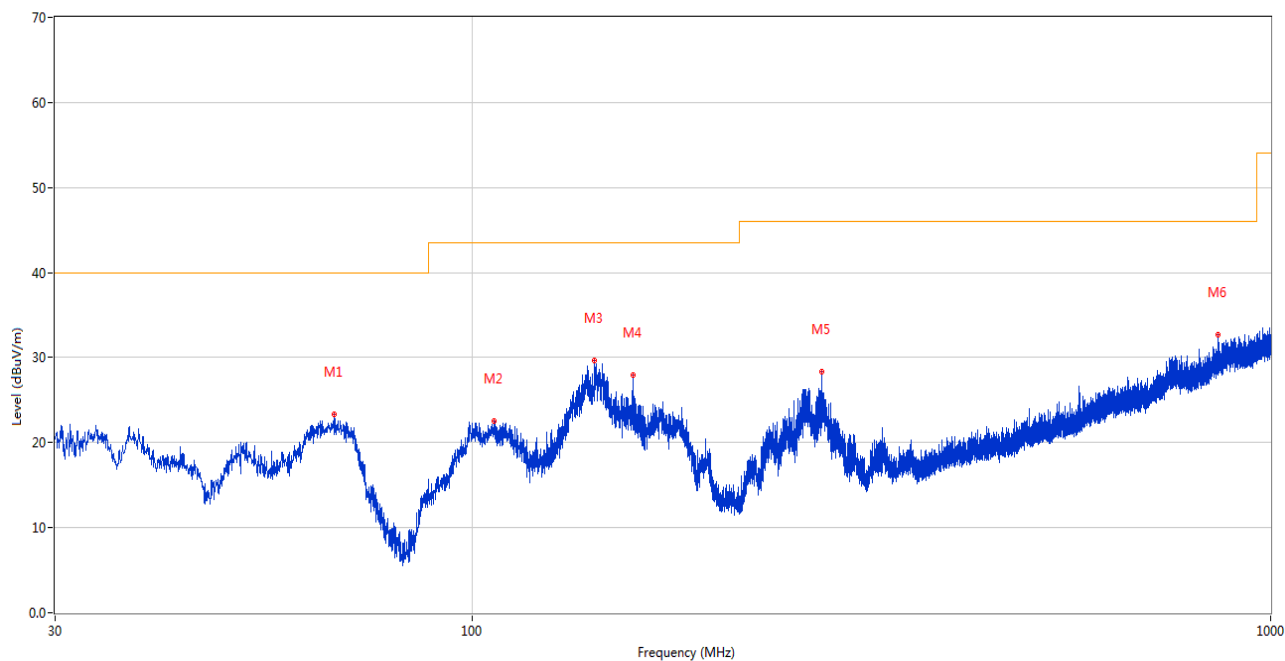


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.800	42.34	-13.44	74.0	31.66	Peak	178.30	100	Horizontal	Pass
1**	1336.800	33.21	-13.44	54.0	20.79	AV	178.30	100	Horizontal	Pass
2	2873.400	49.86	-4.70	74.0	24.14	Peak	141.50	100	Horizontal	Pass
2**	2873.400	40.11	-4.70	54.0	13.89	AV	141.50	100	Horizontal	Pass
3	4432.000	48.84	-0.24	74.0	25.16	Peak	290.50	100	Horizontal	Pass
3**	4432.000	39.22	-0.24	54.0	14.78	AV	290.50	100	Horizontal	Pass
4	6988.400	51.82	1.06	74.0	22.18	Peak	63.20	200	Horizontal	Pass
4**	6988.400	43.02	1.06	54.0	10.98	AV	63.20	200	Horizontal	Pass
5	11450.787	54.00	22.02	74.0	20.00	Peak	360.00	200	Horizontal	Pass
5**	11450.787	44.17	22.02	54.0	9.83	AV	360.00	200	Horizontal	Pass
6	15993.713	49.92	25.76	74.0	24.08	Peak	0.00	100	Horizontal	Pass
6**	15993.713	41.48	25.76	54.0	12.52	AV	0.00	100	Horizontal	Pass

Sample No.	S02+A13+A15	Temperature	20.9℃
Humidity	38%RH	Pressure	101.6kPa
Test Engineer	Liao Ziyang	Test Date	2026.01.21

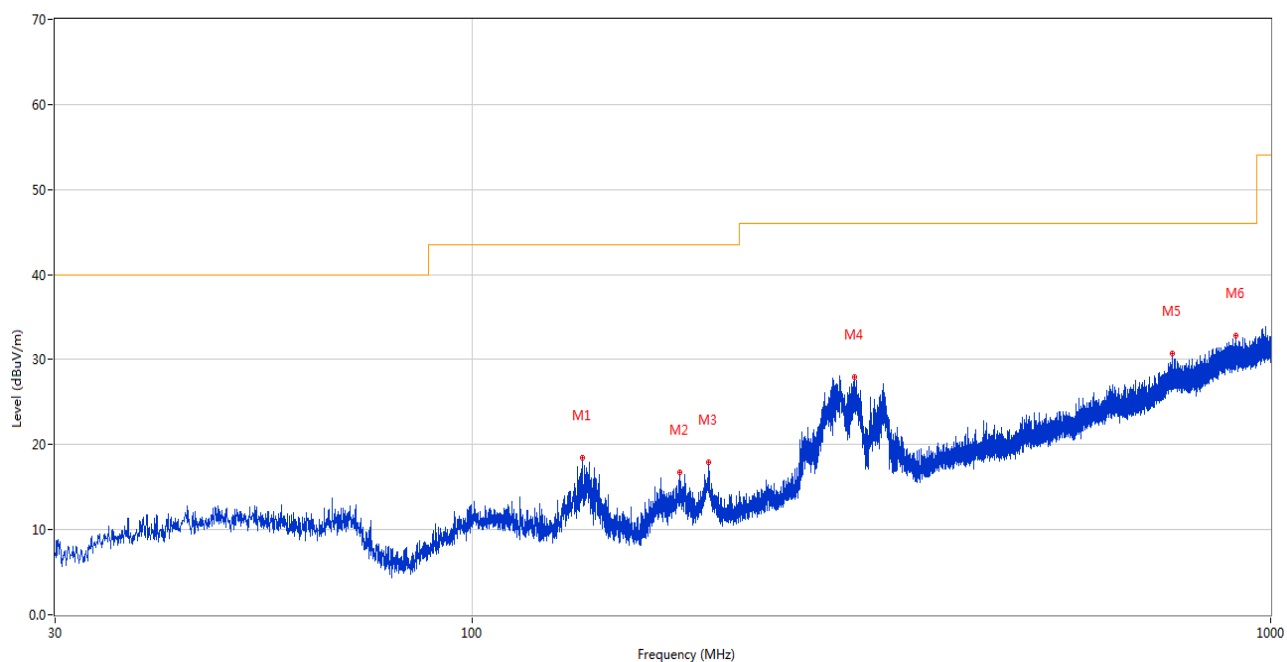
Test Mode 1

5) Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	67.054	23.38	-27.31	40.0	16.62	Peak	221.30	100	Vertical	Pass
2	106.436	22.49	-25.52	43.5	21.01	Peak	122.20	200	Vertical	Pass
3	142.326	29.71	-28.66	43.5	13.79	Peak	65.60	100	Vertical	Pass
4	159.156	27.99	-27.83	43.5	15.51	Peak	158.20	100	Vertical	Pass
5	273.810	28.31	-22.22	46.0	17.69	Peak	162.70	100	Vertical	Pass
6	859.544	32.68	-6.88	46.0	13.32	Peak	158.20	100	Vertical	Pass

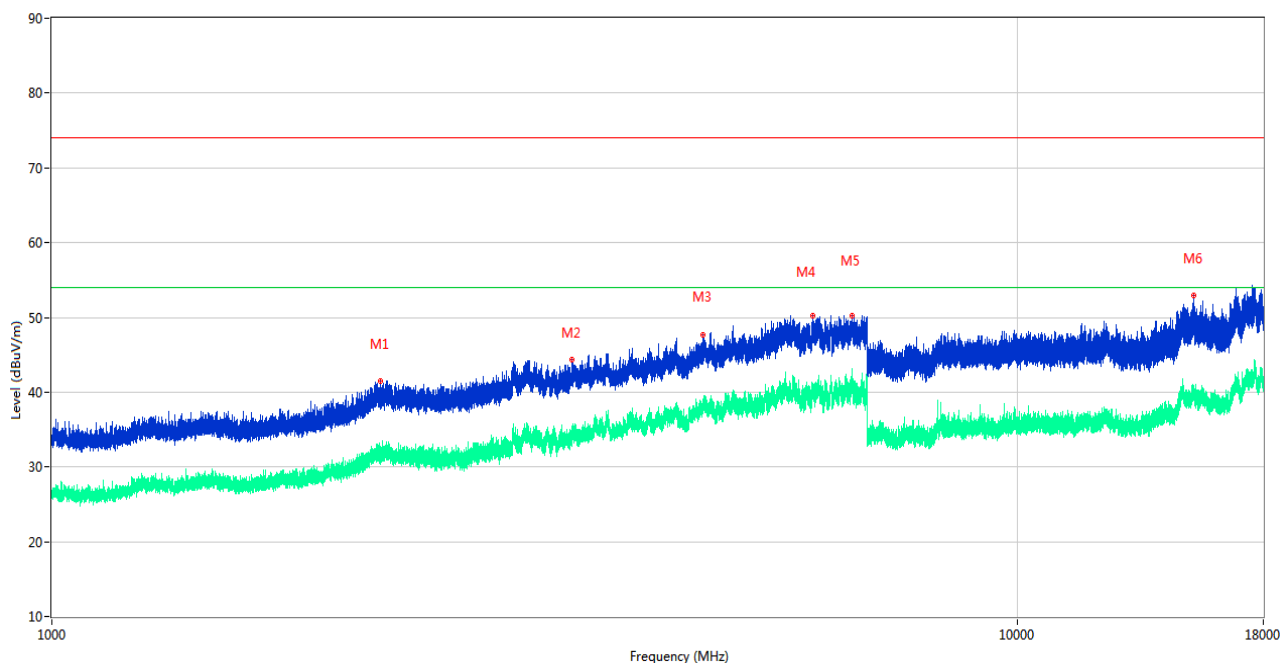
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	137.234	18.52	-28.59	43.5	24.98	Peak	137.30	100	Horizontal	Pass
2	181.660	16.81	-26.22	43.5	26.69	Peak	121.30	100	Horizontal	Pass
3	197.665	17.96	-24.15	43.5	25.54	Peak	117.40	100	Horizontal	Pass
4	301.358	27.96	-21.30	46.0	18.04	Peak	137.30	100	Horizontal	Pass
5	753.329	30.72	-8.77	46.0	15.28	Peak	49.20	100	Horizontal	Pass
6	904.455	32.80	-6.03	46.0	13.20	Peak	169.50	100	Horizontal	Pass

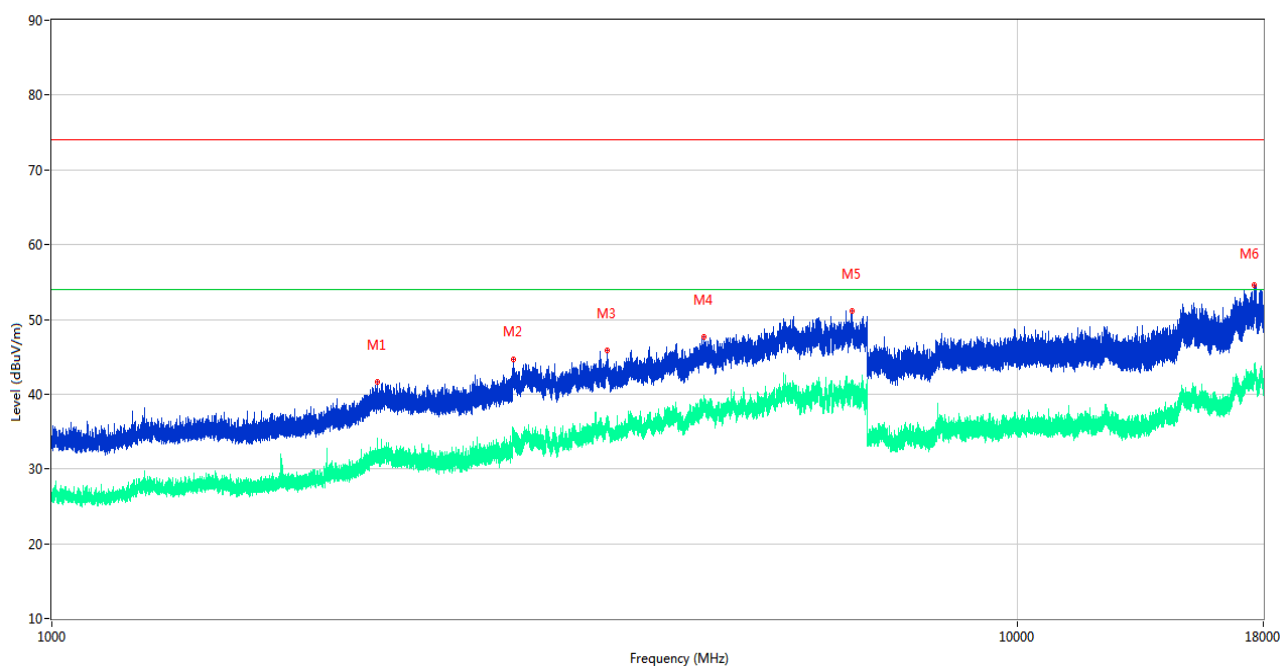
Sample No.	S02+A13+A15	Temperature	22.2℃
Humidity	57%RH	Pressure	101.0kPa
Test Engineer	Ya Jingtang	Test Date	2026.01.20

7) Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2191.700	41.49	-11.20	74.0	32.51	Peak	94.00	100	Vertical	Pass
1**	2191.700	31.98	-11.20	54.0	22.02	AV	94.00	100	Vertical	Pass
2	3457.000	44.36	-7.85	74.0	29.64	Peak	0.00	200	Vertical	Pass
2**	3457.000	35.53	-7.85	54.0	18.47	AV	0.00	200	Vertical	Pass
3	4730.400	47.71	-3.67	74.0	26.29	Peak	126.00	200	Vertical	Pass
3**	4730.400	37.37	-3.67	54.0	16.63	AV	126.00	200	Vertical	Pass
4	6149.800	50.24	0.82	74.0	23.76	Peak	277.00	100	Vertical	Pass
4**	6149.800	39.76	0.82	54.0	14.24	AV	277.00	100	Vertical	Pass
5	6747.600	50.29	1.91	74.0	23.71	Peak	343.00	200	Vertical	Pass
5**	6747.600	42.01	1.91	54.0	11.99	AV	343.00	200	Vertical	Pass
6	15243.487	52.92	18.90	74.0	21.08	Peak	329.00	100	Vertical	Pass
6**	15243.487	40.33	18.90	54.0	13.67	AV	329.00	100	Vertical	Pass

8) Test Antenna Horizontal, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2173.700	41.69	-11.00	74.0	32.31	Peak	142.00	200	Horizontal	Pass
1**	2173.700	31.82	-11.00	54.0	22.18	AV	142.00	200	Horizontal	Pass
2	3006.800	44.59	-7.64	74.0	29.41	Peak	226.00	100	Horizontal	Pass
2**	3006.800	34.63	-7.64	54.0	19.37	AV	226.00	100	Horizontal	Pass
3	3758.800	45.85	-5.87	74.0	28.15	Peak	190.00	100	Horizontal	Pass
3**	3758.800	35.92	-5.87	54.0	18.08	AV	190.00	100	Horizontal	Pass
4	4739.800	47.65	-3.48	74.0	26.35	Peak	336.00	200	Horizontal	Pass
4**	4739.800	38.09	-3.48	54.0	15.91	AV	336.00	200	Horizontal	Pass
5	6750.200	51.14	1.89	74.0	22.86	Peak	314.00	100	Horizontal	Pass
5**	6750.200	41.40	1.89	54.0	12.60	AV	314.00	100	Horizontal	Pass
6	17617.537	54.62	21.76	74.0	19.38	Peak	341.00	100	Horizontal	Pass
6**	17617.537	42.01	21.76	54.0	11.99	AV	341.00	100	Horizontal	Pass

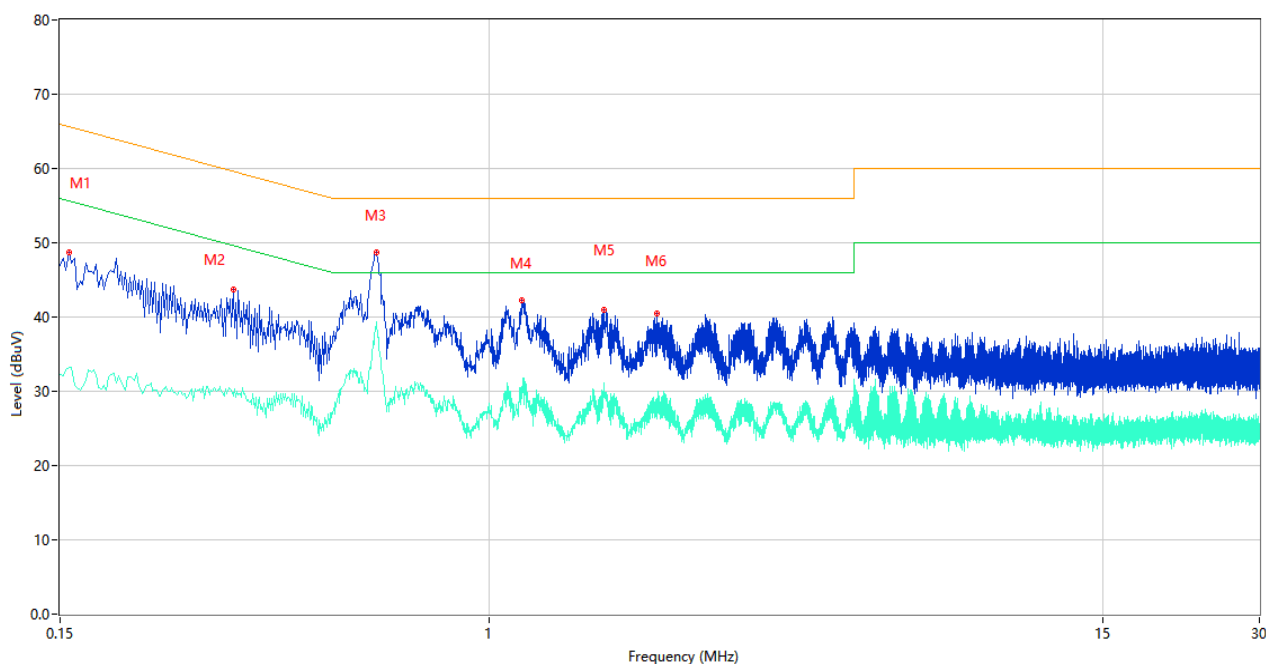
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330121	2025.04.16	2026.04.15	☒
Test Antenna-Bi-Log	SCHWARZB ECK	VULB 9163	01414	2023.11.03	2026.11.02	☒
Anechoic Chamber	EMC Electronic Co., Ltd	C8-966	107	2024.05.12	2027.05.11	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.4 en	/		☒
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330121	2025.04.16	2026.04.15	☒
EMI Receiver	R&S	FSV-40	101544	2025.10.30	2026.10.29	☒
Test Antenna-Horn	SCHWARZB ECK	BBHA 9120D	02459	2023.10.26	2026.10.25	☒
Test Antenna-Horn	A-INFOMW	LB-180400KF	J211060273	2024.06.15	2027.06.14	☒
Anechoic Chamber	EMC Electronic Co., Ltd	C8-966	107	2024.05.12	2027.05.11	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.4 en	/		☒

A.2 Conducted Emission, AC Ports

Sample No.	S01+A03+A09	Temperature	25.6℃
Humidity	40%RH	Pressure	101kPa
Test Engineer	Huang Penghui	Test Date	2025.12.09

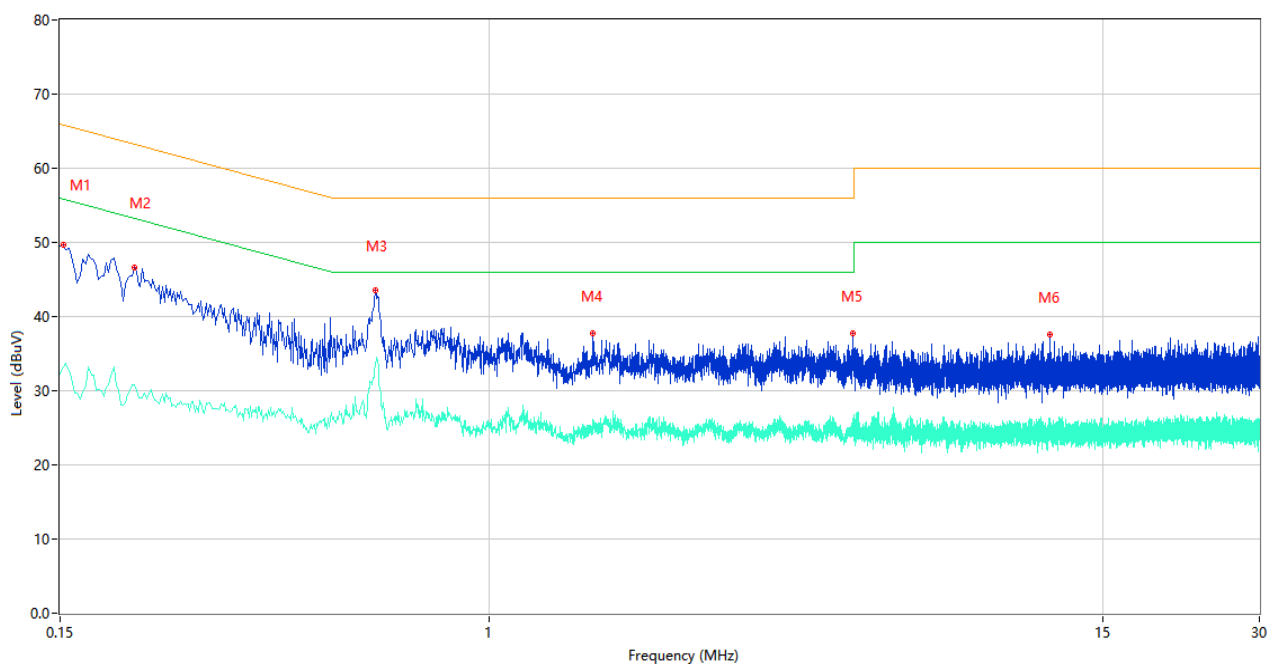
Test Mode 1

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.156	48.76	9.86	65.67	16.91	Peak	L	Pass
1**	0.156	33.20	9.86	55.67	22.47	AV	L	Pass
2	0.322	43.74	10.26	59.66	15.92	Peak	L	Pass
2**	0.322	29.32	10.26	49.66	20.34	AV	L	Pass
3	0.608	48.68	10.23	56.00	7.32	Peak	L	Pass
3**	0.608	39.36	10.23	46.00	6.64	AV	L	Pass
4	1.156	42.25	10.39	56.00	13.75	Peak	L	Pass
4**	1.156	30.71	10.39	46.00	15.29	AV	L	Pass
5	1.660	41.01	10.04	56.00	14.99	Peak	L	Pass
5**	1.660	30.21	10.04	46.00	15.79	AV	L	Pass
6	2.096	40.46	9.97	56.00	15.54	Peak	L	Pass
6**	2.096	29.05	9.97	46.00	16.95	AV	L	Pass

2) AC Ports - N Phase

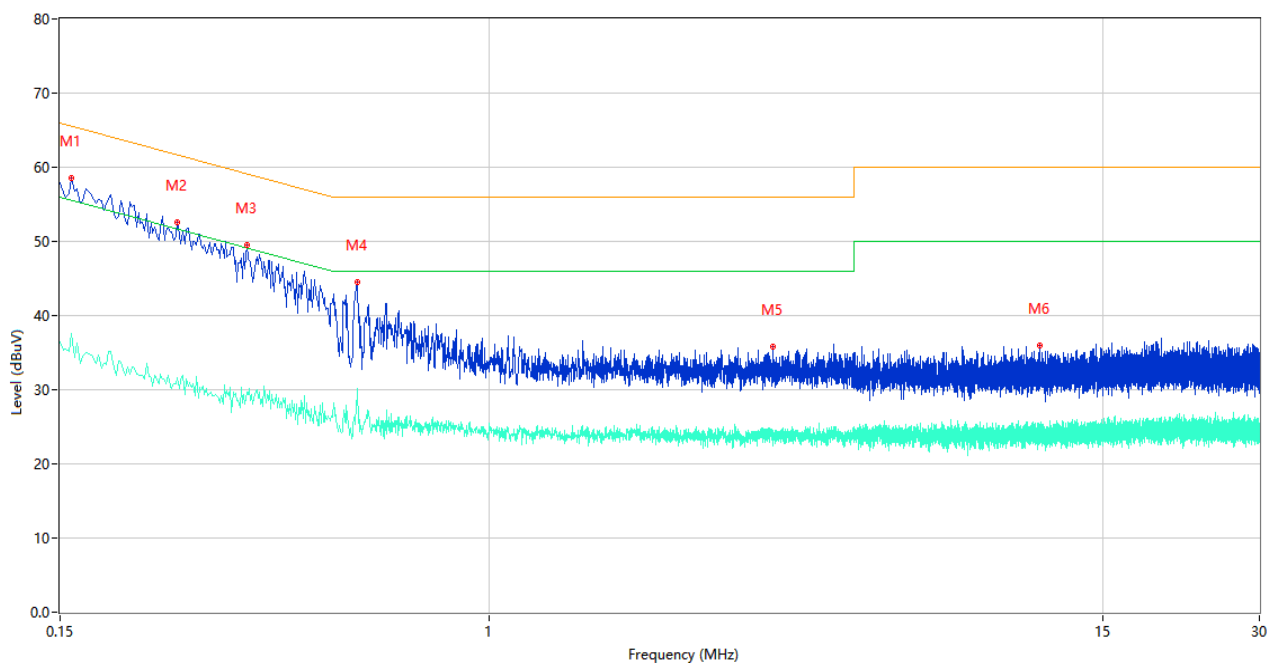


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	49.60	9.86	65.89	16.29	Peak	N	Pass
1**	0.152	33.15	9.86	55.89	22.74	AV	N	Pass
2	0.208	46.58	9.83	63.28	16.70	Peak	N	Pass
2**	0.208	30.77	9.83	53.28	22.51	AV	N	Pass
3	0.604	43.56	10.22	56.00	12.44	Peak	N	Pass
3**	0.604	33.40	10.22	46.00	12.60	AV	N	Pass
4	1.576	37.79	10.05	56.00	18.21	Peak	N	Pass
4**	1.576	25.69	10.05	46.00	20.31	AV	N	Pass
5	4.990	37.67	10.46	56.00	18.33	Peak	N	Pass
5**	4.990	25.82	10.46	46.00	20.18	AV	N	Pass
6	11.884	37.52	10.87	60.00	22.48	Peak	N	Pass
6**	11.884	26.24	10.87	50.00	23.76	AV	N	Pass

Sample No.	S02+A13+A15	Temperature	24.3℃
Humidity	55%RH	Pressure	101.6kPa
Test Engineer	Huang Penghui	Test Date	2026.01.21

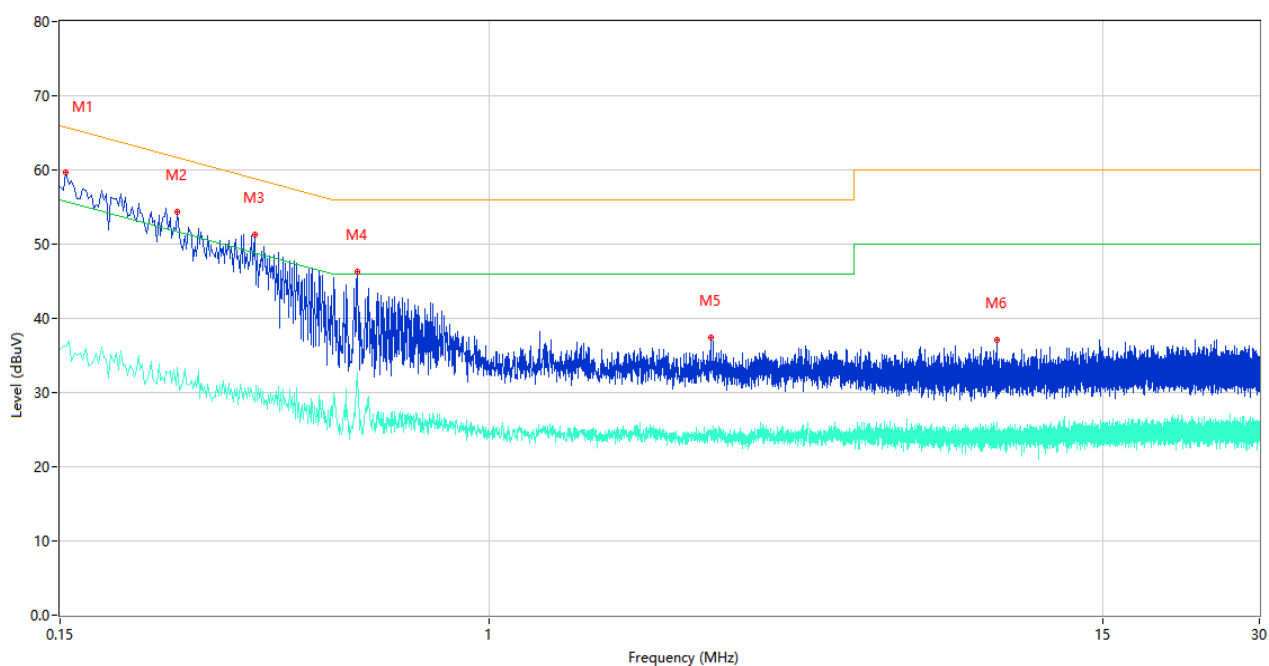
Test Mode 1

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	58.47	9.86	65.57	7.10	Peak	L	Pass
1**	0.158	37.54	9.86	55.57	18.03	AV	L	Pass
2	0.252	52.63	9.82	61.69	9.06	Peak	L	Pass
2**	0.252	31.60	9.82	51.69	20.09	AV	L	Pass
3	0.342	49.53	10.66	59.15	9.62	Peak	L	Pass
3**	0.342	29.74	10.66	49.15	19.41	AV	L	Pass
4	0.558	44.56	10.11	56.00	11.44	Peak	L	Pass
4**	0.558	30.19	10.11	46.00	15.81	AV	L	Pass
5	3.496	35.78	10.12	56.00	20.22	Peak	L	Pass
5**	3.496	24.37	10.12	46.00	21.63	AV	L	Pass
6	11.386	36.04	10.66	60.00	23.96	Peak	L	Pass
6**	11.386	24.17	10.66	50.00	25.83	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	59.60	9.86	65.78	6.18	Peak	N	Pass
1**	0.154	36.10	9.86	55.78	19.68	AV	N	Pass
2	0.252	54.30	9.82	61.69	7.39	Peak	N	Pass
2**	0.252	33.37	9.82	51.69	18.32	AV	N	Pass
3	0.354	51.30	10.80	58.87	7.57	Peak	N	Pass
3**	0.354	28.75	10.80	48.87	20.12	AV	N	Pass
4	0.558	46.23	10.11	56.00	9.77	Peak	N	Pass
4**	0.558	32.78	10.11	46.00	13.22	AV	N	Pass
5	2.664	37.40	10.20	56.00	18.60	Peak	N	Pass
5**	2.664	24.16	10.20	46.00	21.84	AV	N	Pass
6	9.398	37.08	10.25	60.00	22.92	Peak	N	Pass
6**	9.398	24.87	10.25	50.00	25.13	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2025.06.16	2026.06.15	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28	☒
Shielded Room	Chang Chuang	4*4*3m	662	2025.10.12	2028.10.11	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25B1343-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25B1343-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25B1343-AI.PDF”.

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