

TEST REPORT

Applicant: Glimpse LLC
Address: 101a Clay Street #144, San Francisco, CA 94111
Equipment Type: Digital Picture Frame
Model Name: 103-FRM
Brand Name: Skylight
FCC ID: 2BF8S-100-3
ISED Number: 26595-1003
Test Standard: 47 CFR Part 15 Subpart B
ICES-003 Issue 7
ANSI C63.4-2014
Sample Arrival Date: Nov. 18, 2025
Test Date: Nov. 18, 2025 - Dec. 11, 2025
Date of Issue: Jan. 09, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center



Prepared by: Wu Dejun

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jan. 09, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 29671.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Glimpse LLC
Address	101a Clay Street #144, San Francisco, CA 94111

2.2 Manufacturer Information

Manufacturer	Glimpse LLC
Address	101a Clay Street #144, San Francisco, CA 94111

2.3 General Description for Equipment under Test (EUT)

Equipment Type	Digital Picture Frame
Model Name	103-FRM
Series Model Name	N/A
Description of Model Name Differentiation	The product have four SKU. For detailed differences, please refer to the difference statement.
Hardware Version	LLDM058
Software Version	skylightOS-frame_10-rk3326-userdebug-release-keys-20251111.034802
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	AC Adapter	
	Brand Name	N/A
	Model No.	TPA-418G050200UU01
	Serial No.	N/A
	Rated Input	100-240 V~, 0.3 A, 50/60 Hz
	Rated Output	5 V= 2 A 10.0W
Ancillary Equipment 2	Power Cable	
	Model No.	JY-C03-433
	Length (Approx.)	1.5 m

2.5 Technical Information

Network and wireless connectivity	2.4G WIFI, 5G WIFI
Classification of equipment	Class B
Highest frequency generated or used in the device or on which the device operates or tunes(MHz)	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	ICES-003 Issue 7	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	--

Note : The product have four SKU, they are Sample A 1 supply, Sample A 2 supply, Sample C, Sample D. Among them, Sample A 1 supply, Sample C, and Sample D have all undergone tests. Since the antenna of Sample A 2 supply only differs in color from that of Sample A 1 supply, no further tests are required.

3.3 Decision Rule

- ☐ No Need
- ☒ Use General conformity decision rule (Consider uncertainty or not ☒ No ☐ Yes)
- ☐ Use Special Conformity Decision Rule (Consider uncertainty or not ☐ No ☐ Yes)

3.4 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 (150 kHz-30 MHz)-AMN	2.6 dB
Radiated emissions (30 MHz-1 GHz)-966#1	4.2 dB
Radiated emissions (1 GHz-18 GHz) -966#1	5.3 dB
Radiated emissions (18 GHz-40 GHz) -966#1	5.6 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	Lenovo	N/A	N/A	N/A	N/A	☒
USB Cable	N/A	N/A	N/A	1.5 m	N/A	☒

4.2 Test Configurations

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

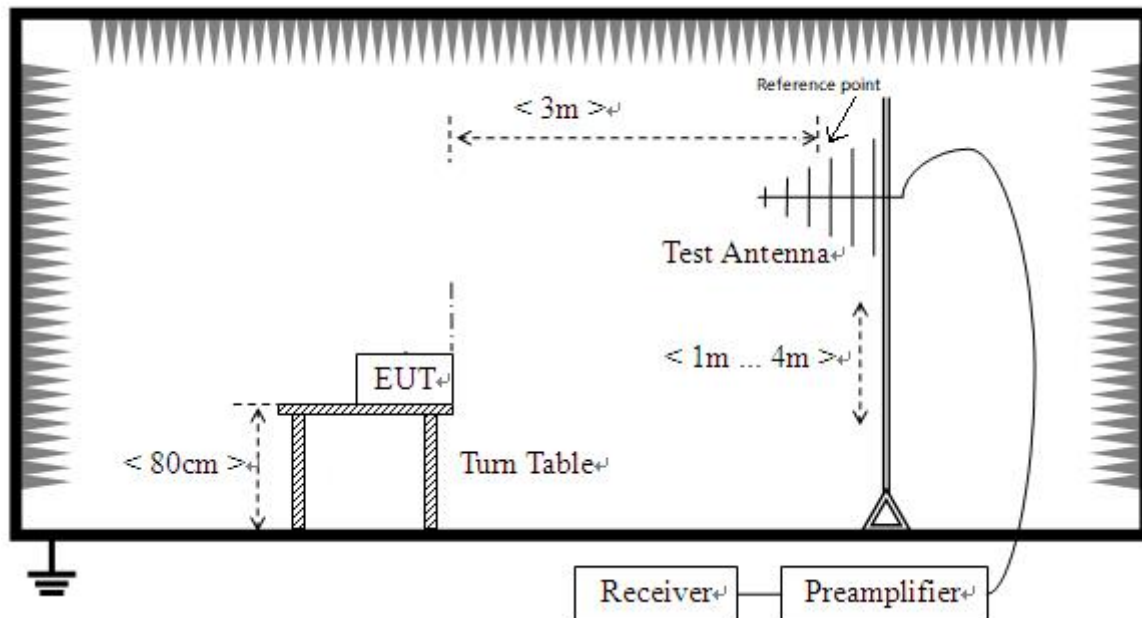
Test Mode Configuration	Description
Mode 1	<u>The Full System Test Mode</u> EUT + AC Adapter + Power Cable
Mode 2	<u>The USB Test Mode</u> EUT + AC Adapter + Power Cable + USB Cable + Laptop

Test Case	Test Mode Configuration	Worst Mode
Radiated emission	Mode 1~Mode 2	2
Conducted emission	Mode 1~Mode 2	1

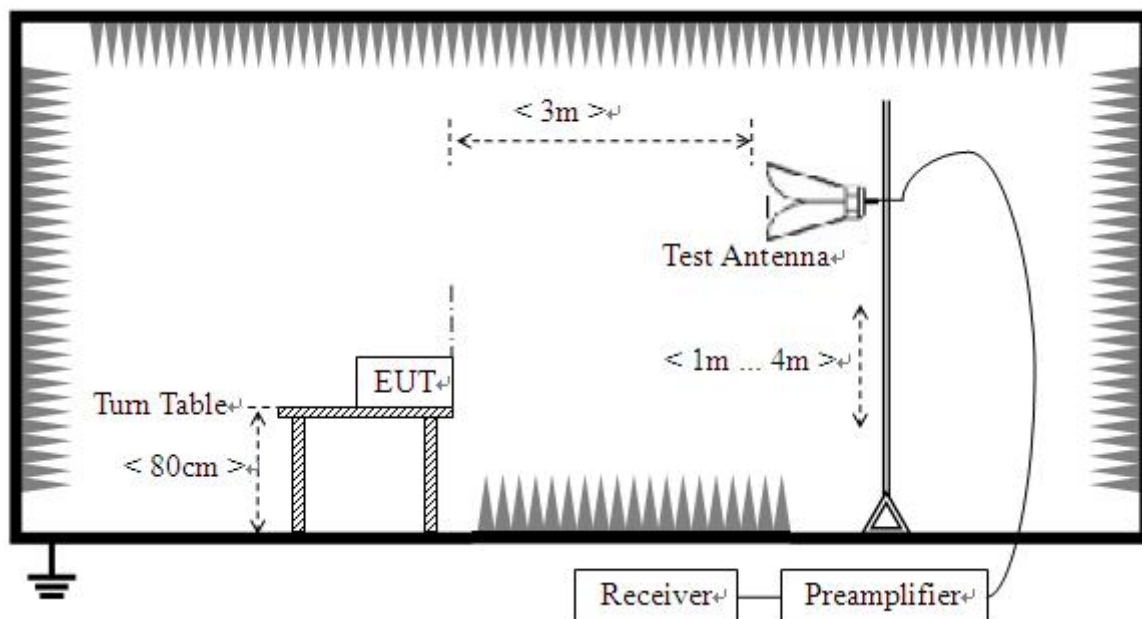
Note: Based on client request, all normal using modes of the normal function were tested, but only data of the worst mode (if test case has) was reported in this report.

4.3 Test Setups

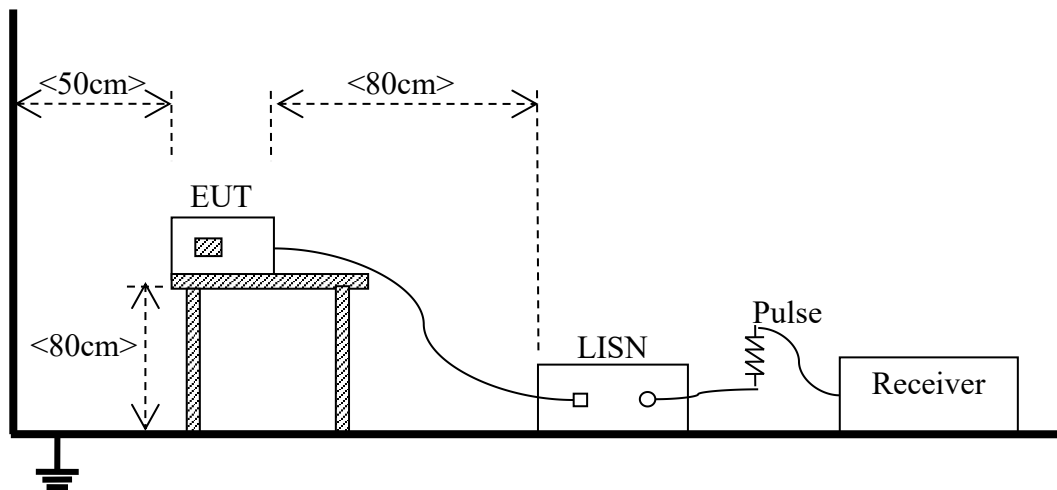
Test Setup 1



Radiated Emission (30 MHz-1 GHz)



Radiated Emission (above 1 GHz)

Test Setup 2

Conducted emission, 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 $\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) The limits using ANSI C63.4-2014.
- 4) For 30-1000 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)
$F_X \leq 108 \text{ MHz}$	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.	

ISED:

Frequency range (MHz)	Class A (at 3 m) Quasi-peak (dB μ V/m)	Class B (at 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
Note: The more stringent limit applies at transition frequencies.		

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: 1. The highest measurement frequency, F_M , in GHz, shall be determined as next Table. 2. The measurement bandwidth shall be 1 MHz or greater. 3. 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. 4. 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)
$F_X \leq 108 \text{ MHz}$	1GHz
$108 \text{ MHz} \leq F_X \leq 500 \text{ MHz}$	2GHz
$500 \text{ MHz} \leq F_X \leq 1 \text{ GHz}$	5GHz
$F_X \geq 1 \text{ GHz}$	$5 * F_X$ 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

Please refer to 4.2 section description of test setup of test setup 1. The photo of test setup please refer to ANNEX B.

5.1.1.3 Test procedure

1. The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);
2. 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.
3. 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.
4. 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.
5. 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/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

5.1.2.1 Limit

Frequency range (MHz)	Class A		Class B	
	Quasi-peak (dB μ V)	Average (dB μ V)	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	79	66	66 to 56	56 to 46
0.50 - 5	73	60	56	46
5 - 30	73	60	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

Please refer to 4.2 section description of test setup of test setup 2. The photo of test setup please refer to ANNEX B.

5.1.2.3 Test procedure

1. The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);
2. 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.
3. 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 AND TEST EQUIPMENT LIST

A.1 Radiated emission

Note 1: Measurements shall be made with a quasi-peak measuring receiver in the frequency range 30 MHz to 1000 MHz. To reduce the testing time, a peak measuring receiver may be used instead of a quasi-peak measuring receiver. In case of dispute, measurement with a quasi-peak measuring receiver will take precedence.

Note 2: The FCC limit is stricter than the IC and only reflects FCC Radiated Emission test data.

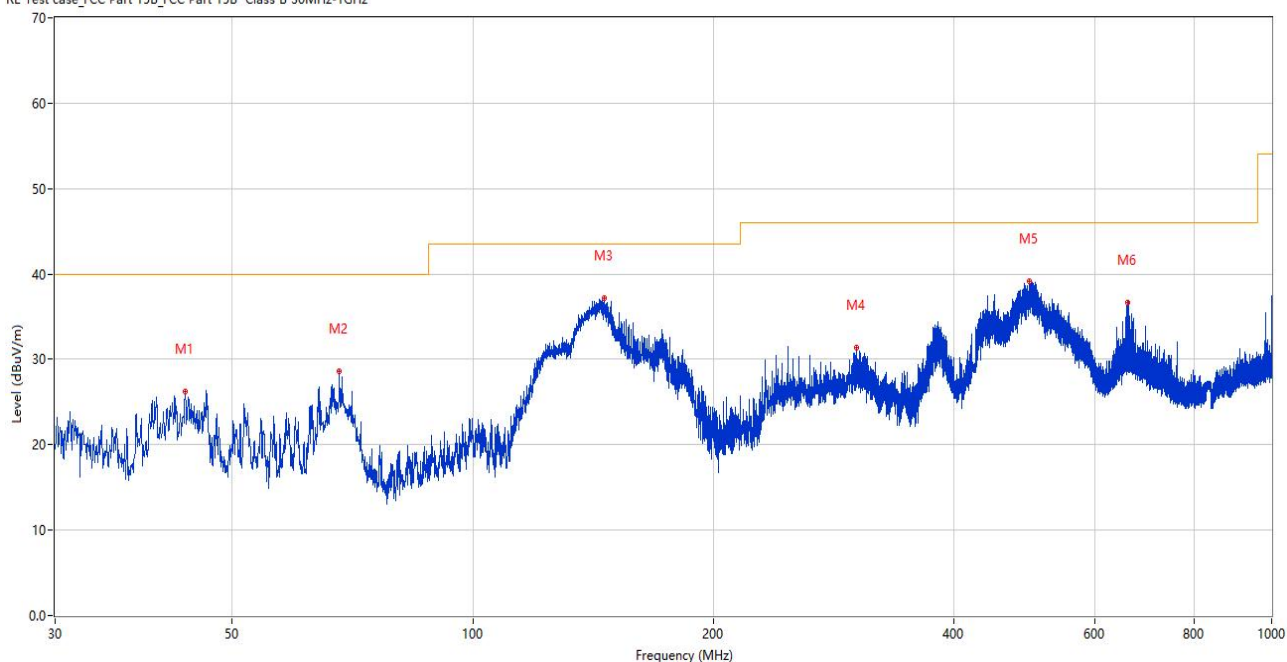
Note 3: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	SC-SH25A0089-S01	Temperature	20.8°C
Humidity	47%RH	Test Voltage	AC 120V/60Hz
Test Engineer	She Xihao	Test Date	2025.12.04
Remark	Sample A		

Test Mode 2

A.1.1 Test Antenna Vertical, 30 MHz – 1 GHz

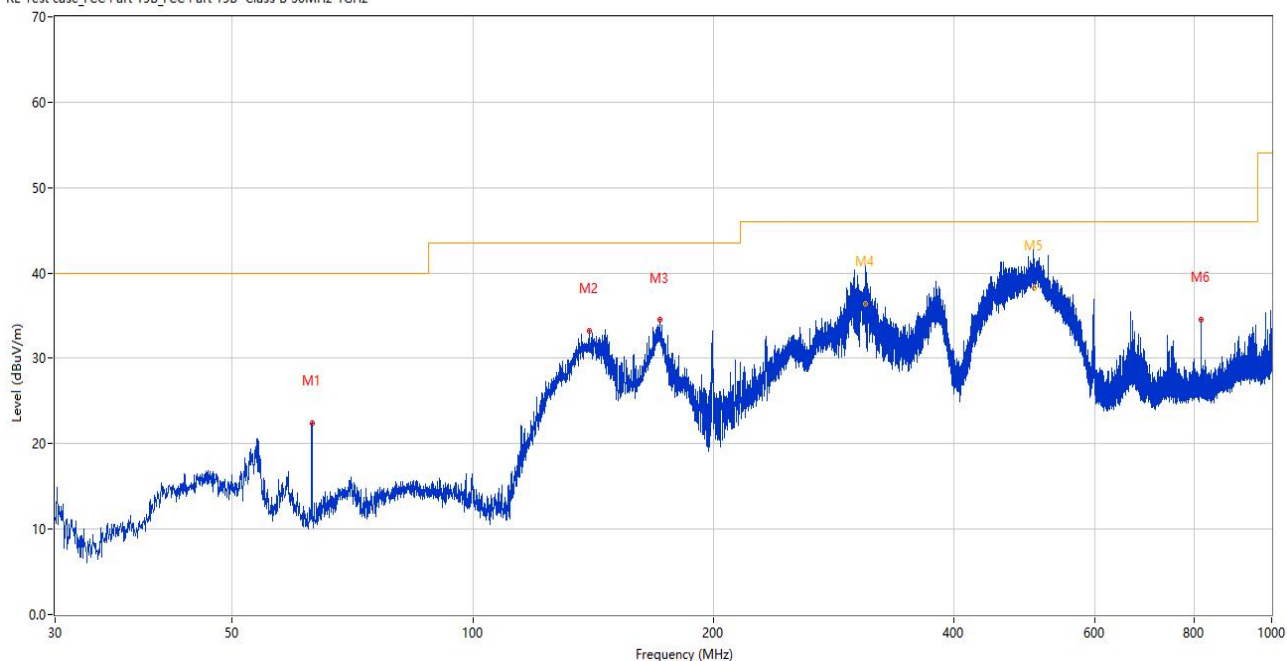
RE Test case FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.677	26.20	-26.25	40.0	13.80	Peak	248.00	100	Vertical	Pass
2	68.121	28.55	-28.96	40.0	11.45	Peak	202.00	100	Vertical	Pass
3	146.060	37.17	-30.25	43.5	6.33	Peak	268.00	100	Vertical	Pass
4	301.891	31.33	-23.75	46.0	14.67	Peak	140.00	100	Vertical	Pass
5	497.201	39.20	-18.30	46.0	6.80	Peak	268.00	100	Vertical	Pass
6	660.500	36.60	-14.52	46.0	9.40	Peak	219.00	100	Vertical	Pass

A.1.2 Test Antenna Horizontal, 30 MHz – 1 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	62.883	22.45	-27.33	40.0	17.55	Peak	201.00	100	Horizontal	Pass
2	139.901	33.21	-30.24	43.5	10.29	Peak	299.00	200	Horizontal	Pass
3	171.426	34.57	-29.15	43.5	8.93	Peak	295.00	200	Horizontal	Pass
4	310.153	40.21	-23.64	46.0	5.79	Peak	233.00	109	Horizontal	N/A
4*	310.153	36.41	-23.64	46.0	9.59	QP	233.00	109	Horizontal	Pass
5	503.974	41.88	-18.11	46.0	4.12	Peak	29.00	182	Horizontal	N/A
5*	503.974	38.28	-18.11	46.0	7.72	QP	29.00	182	Horizontal	Pass
6	815.748	34.51	-11.73	46.0	11.49	Peak	358.00	100	Horizontal	Pass

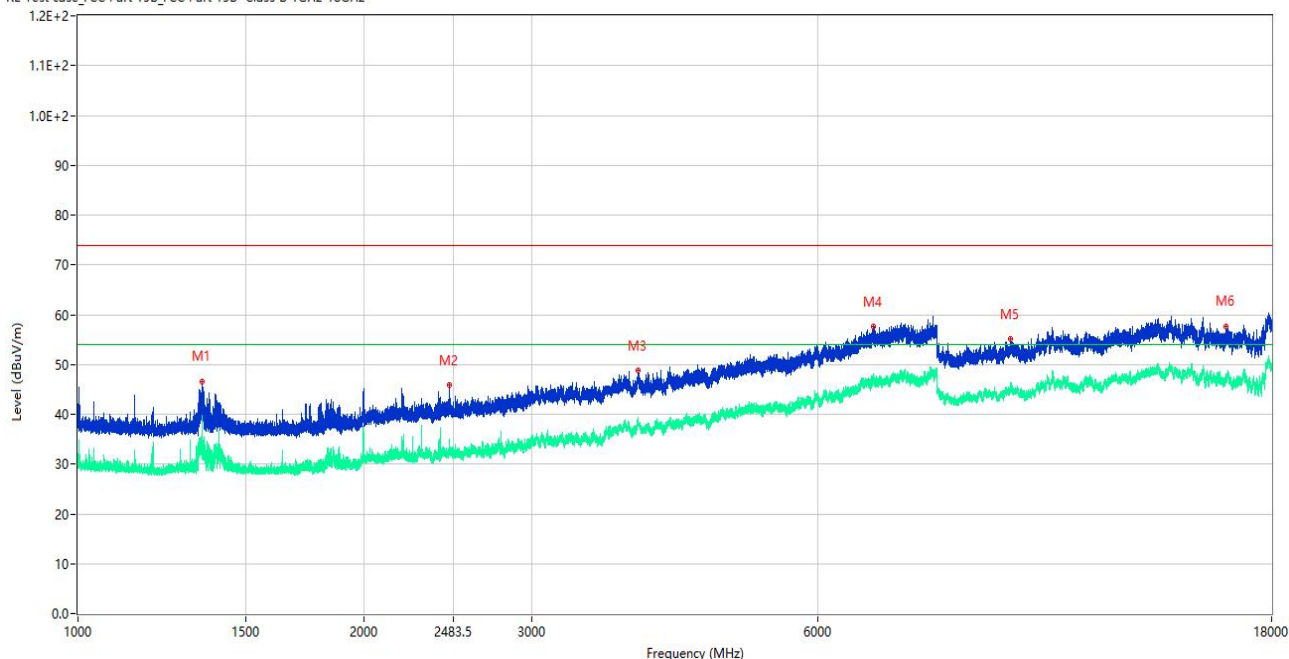
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	BH-EMC-L132	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

Sample No.	SC-SH25A0089-S01	Temperature	20.8°C
Humidity	47%RH	Test Voltage	AC 120V/60Hz
Test Engineer	She Xihao	Test Date	2025.12.04
Remark	Sample A		

Test Mode 2

A.1.3 Test Antenna Vertical, 1 GHz – 18 GHz

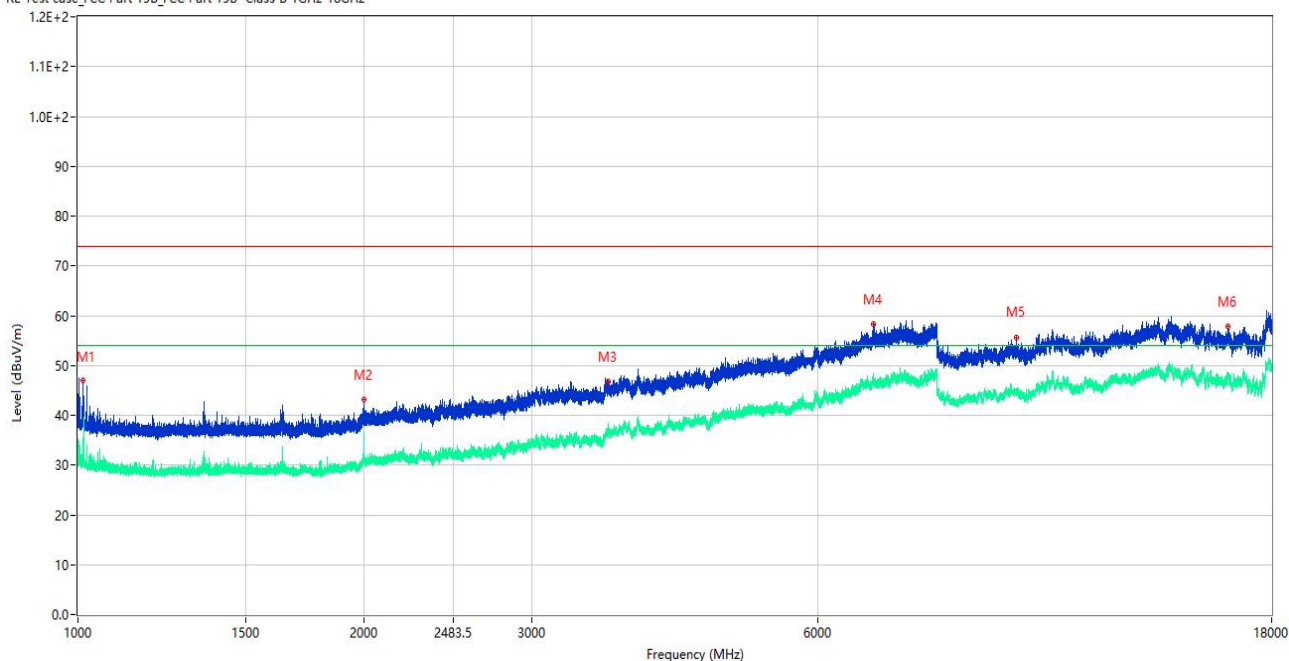
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1349.200	46.67	-15.89	74.0	27.33	Peak	130.00	100	Vertical	Pass
1**	1349.200	35.02	-15.89	54.0	18.98	AV	130.00	100	Vertical	Pass
2	2459.400	45.90	-11.57	74.0	28.10	Peak	218.00	100	Vertical	Pass
2**	2459.400	34.05	-11.57	54.0	19.95	AV	218.00	100	Vertical	Pass
3	3879.000	48.73	-2.63	74.0	25.27	Peak	88.00	100	Vertical	Pass
3**	3879.000	38.13	-2.63	54.0	15.87	AV	88.00	100	Vertical	Pass
4	6860.500	57.57	4.77	74.0	16.43	Peak	278.00	100	Vertical	Pass
4**	6860.500	47.20	4.77	54.0	6.80	AV	278.00	100	Vertical	Pass
5	9572.000	55.25	3.19	74.0	18.75	Peak	177.00	100	Vertical	Pass
5**	9572.000	45.36	3.19	54.0	8.64	AV	177.00	100	Vertical	Pass
6	16110.000	57.59	6.38	74.0	16.41	Peak	187.00	100	Vertical	Pass
6**	16110.000	47.26	6.38	54.0	6.74	AV	187.00	100	Vertical	Pass

A.1.4 Test Antenna Horizontal, 1 GHz – 18 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1013.300	47.00	-14.71	74.0	27.00	Peak	147.00	100	Horizontal	Pass
1**	1013.300	31.68	-14.71	54.0	22.32	AV	147.00	100	Horizontal	Pass
2	1997.100	43.13	-14.43	74.0	30.87	Peak	292.00	100	Horizontal	Pass
2**	1997.100	30.37	-14.43	54.0	23.63	AV	292.00	100	Horizontal	Pass
3	3612.250	46.76	-4.55	74.0	27.24	Peak	0.00	100	Horizontal	Pass
3**	3612.250	36.53	-4.55	54.0	17.47	AV	0.00	100	Horizontal	Pass
4	6863.000	58.39	4.73	74.0	15.61	Peak	209.00	100	Horizontal	Pass
4**	6863.000	47.30	4.73	54.0	6.70	AV	209.00	100	Horizontal	Pass
5	9704.500	55.69	2.17	74.0	18.31	Peak	265.00	100	Horizontal	Pass
5**	9704.500	44.83	2.17	54.0	9.17	AV	265.00	100	Horizontal	Pass
6	16202.000	57.90	6.38	74.0	16.10	Peak	100.00	100	Horizontal	Pass
6**	16202.000	48.52	6.38	54.0	5.48	AV	100.00	100	Horizontal	Pass

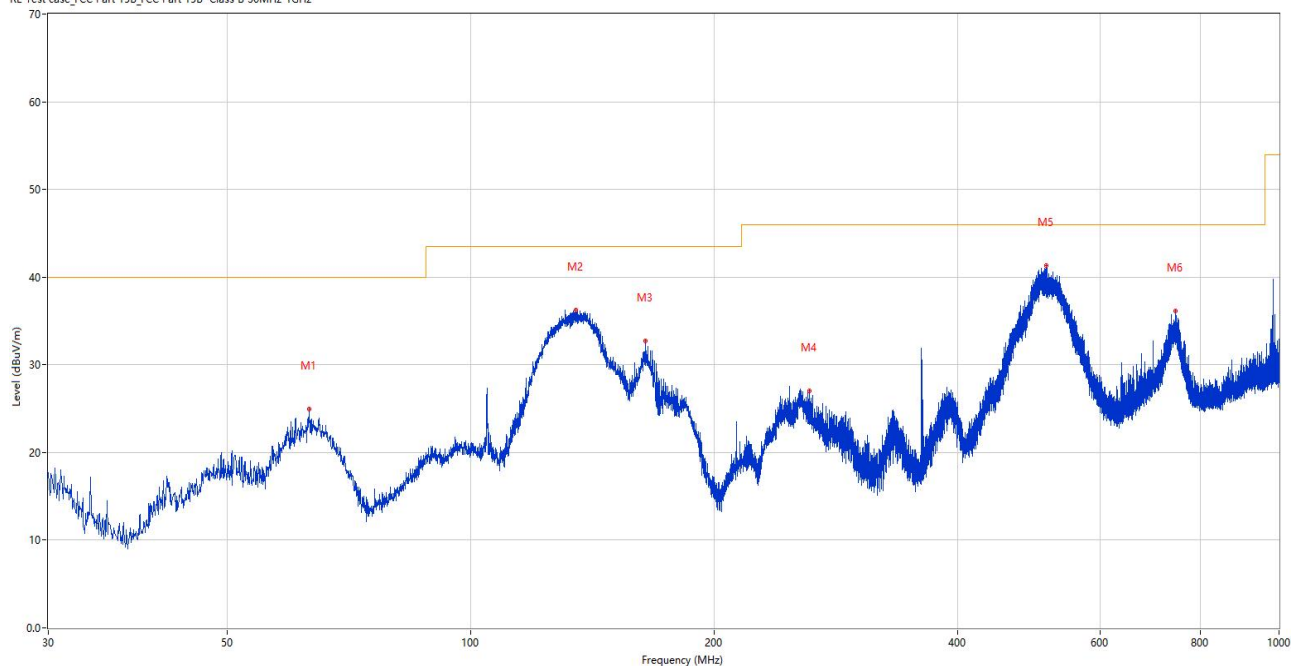
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
EMI Receiver	KEYSIGHT	N9010B	BH-EMC-L099	2025.02.12	2026.02.11	☒
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	BH-EMC-L111	2024.03.11	2027.03.10	☒
Test Antenna-Horn	A-INFO	LB-180400-KF	BH-EMC-L061	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

Sample No.	SC-SH25A0089-S05	Temperature	23.2°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	She Xihao	Test Date	2025.12.11
Remark	Sample C		

Test Mode 2

A.1.5 Test Antenna Vertical, 30 MHz – 1 GHz

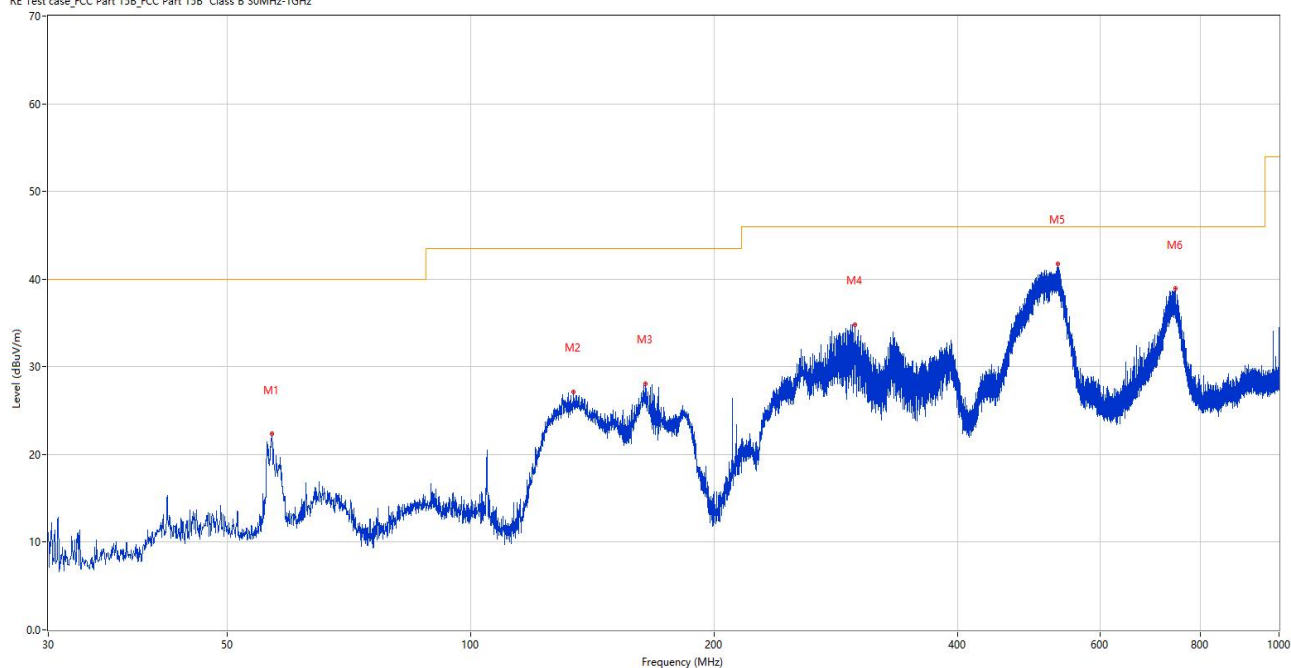
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	63.029	24.97	-27.37	40.0	15.03	Peak	105.00	100	Vertical	Pass
2	135.002	36.26	-30.12	43.5	7.24	Peak	1.00	100	Vertical	Pass
3	164.587	32.72	-29.31	43.5	10.78	Peak	269.00	100	Vertical	Pass
4	262.606	27.00	-24.91	46.0	19.00	Peak	346.00	200	Vertical	Pass
5	514.951	41.28	-18.22	46.0	4.72	Peak	342.00	100	Vertical	Pass
6	743.920	36.13	-12.80	46.0	9.87	Peak	30.00	100	Vertical	Pass

A.1.6 Test Antenna Horizontal, 30 MHz – 1 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	56.675	22.36	-26.16	40.0	17.64	Peak	359.00	100	Horizontal	Pass
2	134.081	27.16	-30.07	43.5	16.34	Peak	120.00	200	Horizontal	Pass
3	164.587	28.11	-29.31	43.5	15.39	Peak	270.00	200	Horizontal	Pass
4	298.496	34.82	-23.75	46.0	11.18	Peak	169.00	100	Horizontal	Pass
5	532.606	41.73	-17.86	46.0	4.27	Peak	325.00	200	Horizontal	Pass
6	744.308	38.98	-12.79	46.0	7.02	Peak	350.00	200	Horizontal	Pass

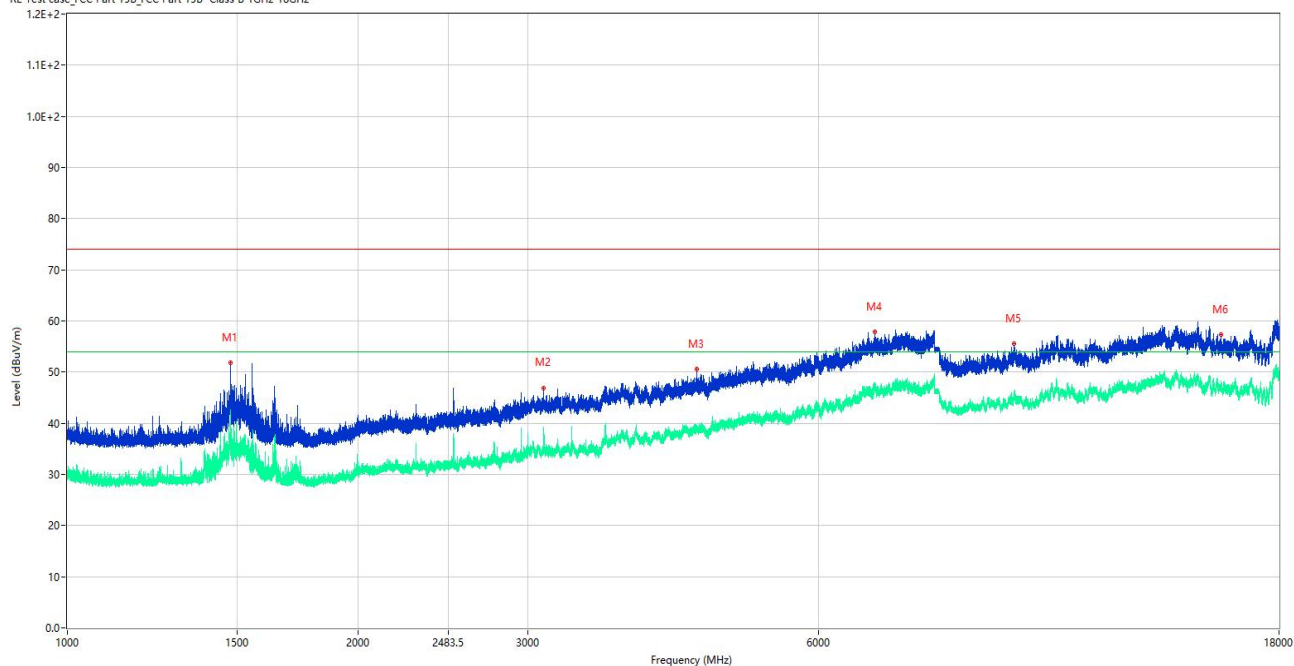
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
Test Antenna-Bi-Log	SCHWARZB ECK	VULB 9163	BH-EMC-L132	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

Sample No.	SC-SH25A0089-S05	Temperature	23.2°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	She Xihao	Test Date	2025.12.11
Remark	Sample C		

Test Mode 2

A.1.7 Test Antenna Vertical, 1 GHz – 18 GHz

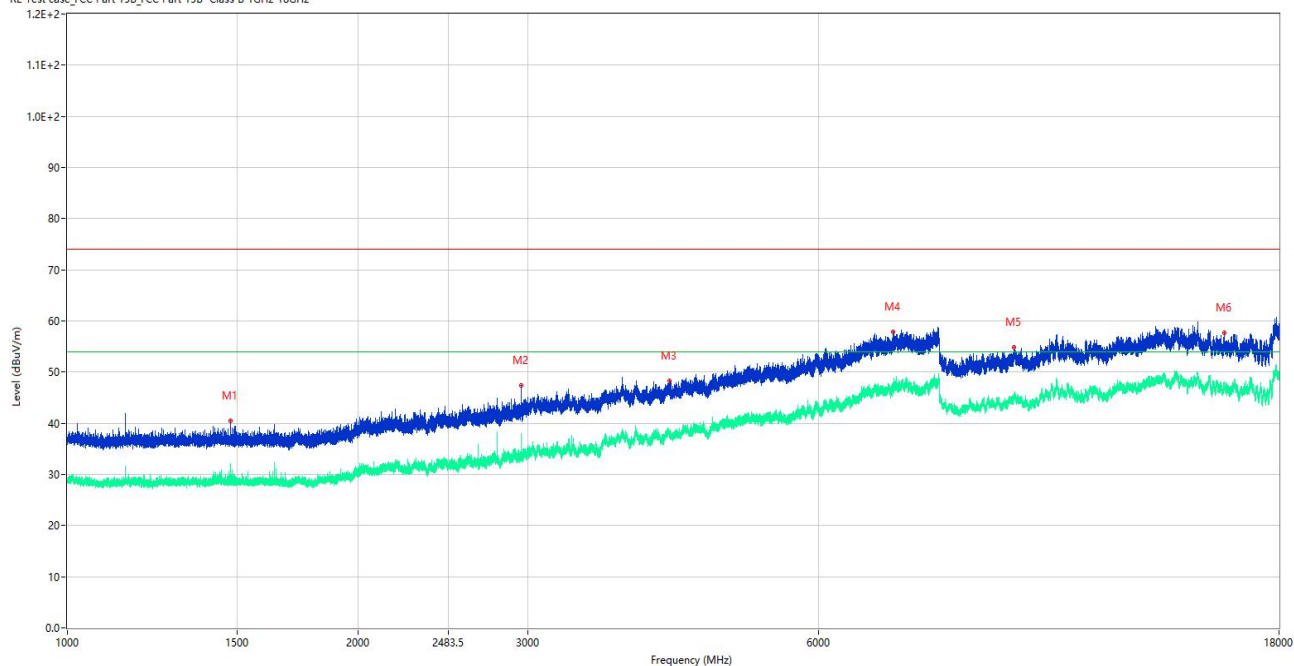
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.800	51.88	-16.20	74.0	22.12	Peak	2.00	100	Vertical	Pass
1**	1475.800	38.05	-16.20	54.0	15.95	AV	2.00	100	Vertical	Pass
2	3116.500	46.94	-7.09	74.0	27.06	Peak	309.00	100	Vertical	Pass
2**	3116.500	38.06	-7.09	54.0	15.94	AV	309.00	100	Vertical	Pass
3	4490.500	50.52	-2.38	74.0	23.48	Peak	342.00	100	Vertical	Pass
3**	4490.500	38.56	-2.38	54.0	15.44	AV	342.00	100	Vertical	Pass
4	6859.500	57.86	4.79	74.0	16.14	Peak	200.00	100	Vertical	Pass
4**	6859.500	46.46	4.79	54.0	7.54	AV	200.00	100	Vertical	Pass
5	9563.500	55.52	3.17	74.0	18.48	Peak	173.00	100	Vertical	Pass
5**	9563.500	44.98	3.17	54.0	9.02	AV	173.00	100	Vertical	Pass
6	15668.500	57.26	6.17	74.0	16.74	Peak	251.00	100	Vertical	Pass
6**	15668.500	46.81	6.17	54.0	7.19	AV	251.00	100	Vertical	Pass

A.1.8 Test Antenna Horizontal, 1 GHz – 18 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.200	40.50	-16.20	74.0	33.50	Peak	316.00	100	Horizontal	Pass
1**	1476.200	30.25	-16.20	54.0	23.75	AV	316.00	100	Horizontal	Pass
2	2951.600	47.45	-8.69	74.0	26.55	Peak	358.00	100	Horizontal	Pass
2**	2951.600	35.24	-8.69	54.0	18.76	AV	358.00	100	Horizontal	Pass
3	4202.500	48.24	-2.86	74.0	25.76	Peak	93.00	100	Horizontal	Pass
3**	4202.500	37.79	-2.86	54.0	16.21	AV	93.00	100	Horizontal	Pass
4	7168.500	57.91	4.97	74.0	16.09	Peak	1.00	100	Horizontal	Pass
4**	7168.500	46.14	4.97	54.0	7.86	AV	1.00	100	Horizontal	Pass
5	9574.500	54.81	3.16	74.0	19.19	Peak	359.00	100	Horizontal	Pass
5**	9574.500	45.79	3.16	54.0	8.21	AV	359.00	100	Horizontal	Pass
6	15793.500	57.74	6.36	74.0	16.26	Peak	184.00	100	Horizontal	Pass
6**	15793.500	47.29	6.36	54.0	6.71	AV	184.00	100	Horizontal	Pass

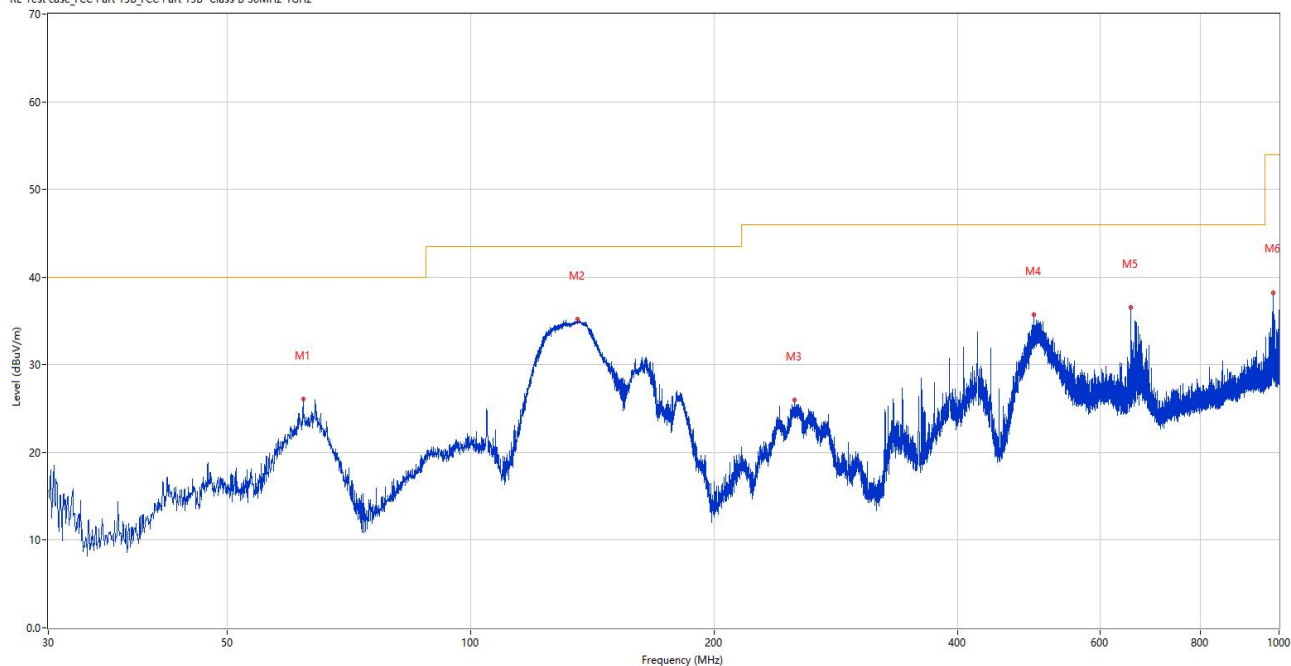
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
EMI Receiver	KEYSIGHT	N9010B	BH-EMC-L099	2025.02.12	2026.02.11	☒
Test Antenna-Horn	SCHWARZB ECK	BBHA 9120D	BH-EMC-L111	2024.03.11	2027.03.10	☒
Test Antenna-Horn	A-INFO	LB-180400-KF	BH-EMC-L061	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

Sample No.	SC-SH25A0089-S02	Temperature	23.2°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	She Xihao	Test Date	2025.12.11
Remark	Sample D		

Test Mode 2

A.1.9 Test Antenna Vertical, 30 MHz – 1 GHz

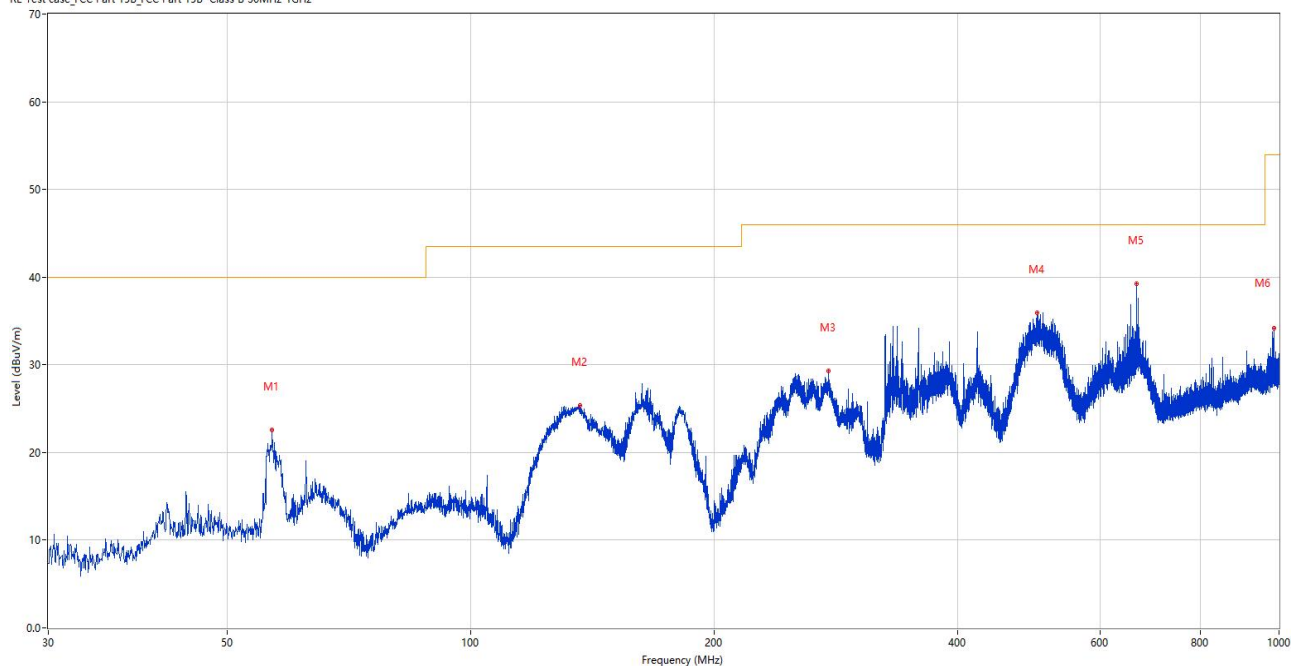
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	62.010	26.07	-27.13	40.0	13.93	Peak	121.00	100	Vertical	Pass
2	135.633	35.19	-30.15	43.5	8.31	Peak	209.00	100	Vertical	Pass
3	251.402	25.96	-24.76	46.0	20.04	Peak	336.00	200	Vertical	Pass
4	496.861	35.71	-18.33	46.0	10.29	Peak	97.00	100	Vertical	Pass
5	655.990	36.59	-14.69	46.0	9.41	Peak	46.00	100	Vertical	Pass
6	983.946	38.24	-9.06	54.0	15.76	Peak	350.00	100	Vertical	Pass

A.1.10 Test Antenna Horizontal, 30 MHz – 1 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	56.724	22.57	-26.16	40.0	17.43	Peak	223.00	100	Horizontal	Pass
2	136.361	25.33	-30.18	43.5	18.17	Peak	123.00	200	Horizontal	Pass
3	276.768	29.31	-24.52	46.0	16.69	Peak	180.00	100	Horizontal	Pass
4	501.808	35.91	-18.15	46.0	10.09	Peak	327.00	200	Horizontal	Pass
5	665.981	39.22	-14.44	46.0	6.78	Peak	344.00	100	Horizontal	Pass
6	986.808	34.18	-9.01	54.0	19.82	Peak	67.00	200	Horizontal	Pass

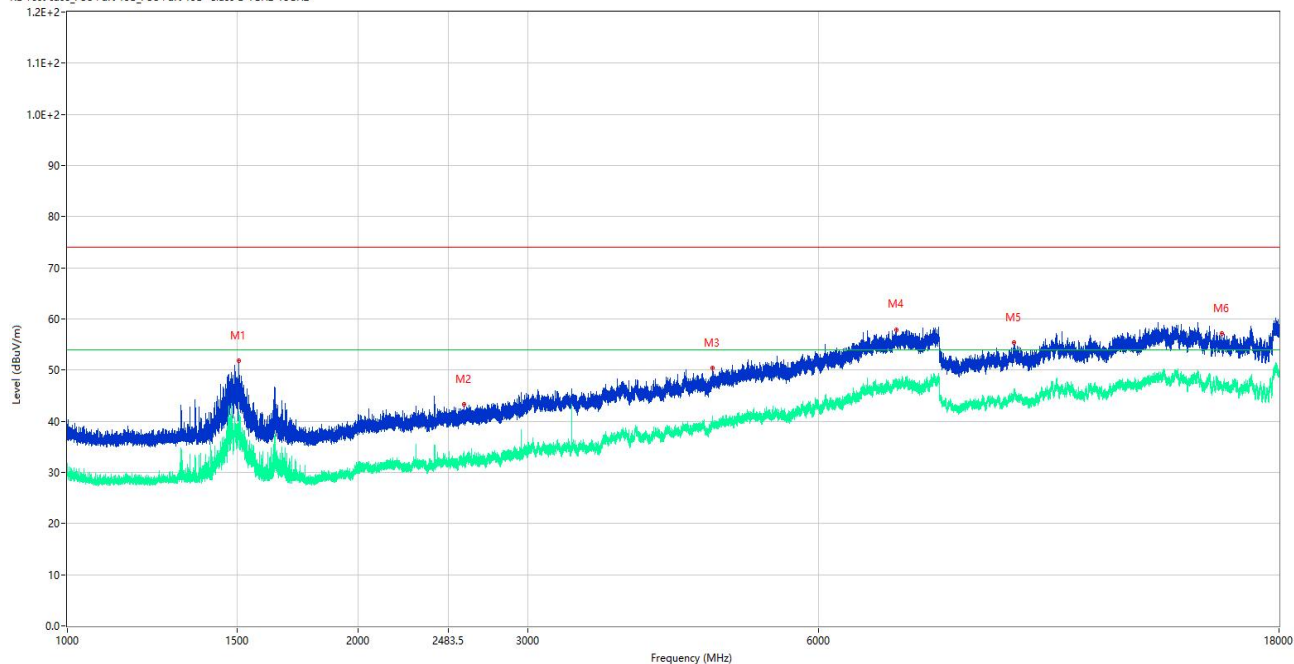
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	BH-EMC-L132	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

Sample No.	SC-SH25A0089-S02	Temperature	23.2°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	She Xihao	Test Date	2025.12.11
Remark	Sample D		

Test Mode 2

A.1.11 Test Antenna Vertical, 1 GHz – 18 GHz

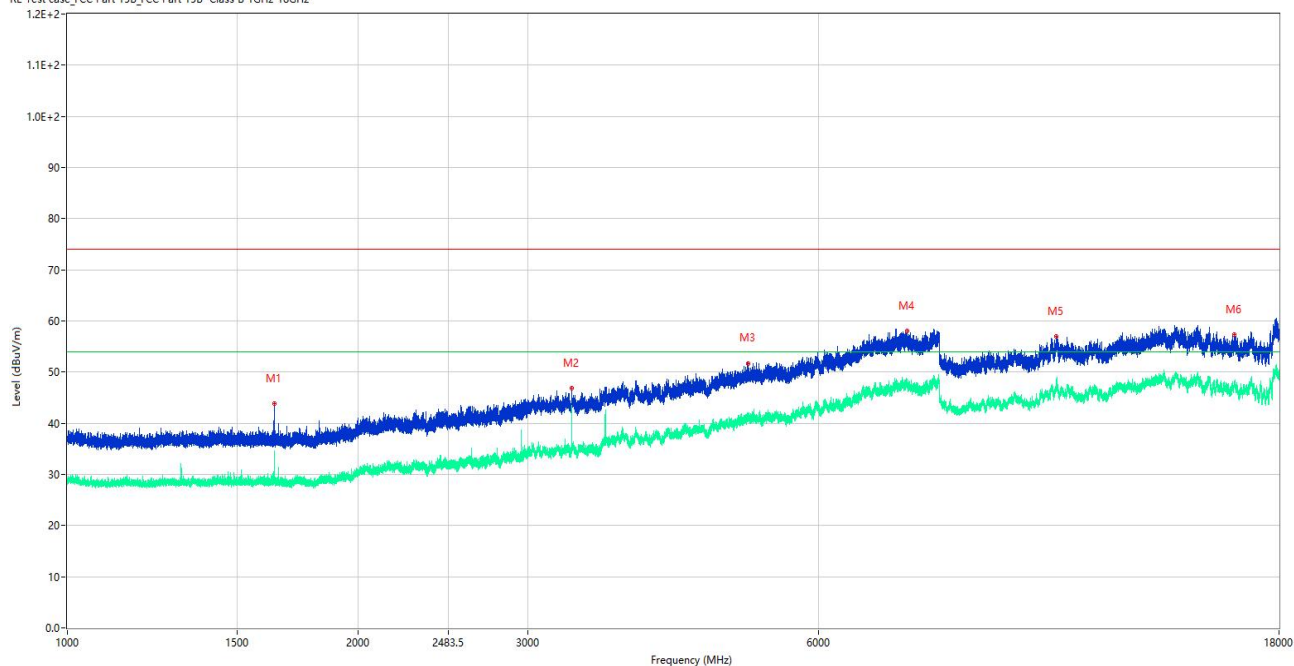
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.500	51.77	-16.22	74.0	22.23	Peak	3.00	100	Vertical	Pass
1**	1504.500	36.77	-16.22	54.0	17.23	AV	3.00	100	Vertical	Pass
2	2577.200	43.25	-11.10	74.0	30.75	Peak	99.00	100	Vertical	Pass
2**	2577.200	32.17	-11.10	54.0	21.83	AV	99.00	100	Vertical	Pass
3	4658.250	50.39	-1.97	74.0	23.61	Peak	40.00	100	Vertical	Pass
3**	4658.250	38.97	-1.97	54.0	15.03	AV	40.00	100	Vertical	Pass
4	7223.500	57.95	6.18	74.0	16.05	Peak	93.00	100	Vertical	Pass
4**	7223.500	47.00	6.18	54.0	7.00	AV	93.00	100	Vertical	Pass
5	9573.500	55.30	3.17	74.0	18.70	Peak	139.00	100	Vertical	Pass
5**	9573.500	45.54	3.17	54.0	8.46	AV	139.00	100	Vertical	Pass
6	15703.500	57.16	6.07	74.0	16.84	Peak	119.00	100	Vertical	Pass
6**	15703.500	46.70	6.07	54.0	7.30	AV	119.00	100	Vertical	Pass

A.1.12 Test Antenna Horizontal, 1 GHz – 18 GHz

RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.100	43.83	-16.17	74.0	30.17	Peak	346.00	100	Horizontal	Pass
1**	1640.100	29.50	-16.17	54.0	24.50	AV	346.00	100	Horizontal	Pass
2	3330.250	46.91	-6.45	74.0	27.09	Peak	359.00	100	Horizontal	Pass
2**	3330.250	43.30	-6.45	54.0	10.70	AV	359.00	100	Horizontal	Pass
3	5074.000	51.64	-0.36	74.0	22.36	Peak	191.00	100	Horizontal	Pass
3**	5074.000	41.80	-0.36	54.0	12.20	AV	191.00	100	Horizontal	Pass
4	7410.000	58.09	6.53	74.0	15.91	Peak	312.00	100	Horizontal	Pass
4**	7410.000	47.43	6.53	54.0	6.57	AV	312.00	100	Horizontal	Pass
5	10583.500	57.02	4.80	74.0	16.98	Peak	69.00	100	Horizontal	Pass
5**	10583.500	47.62	4.80	54.0	6.38	AV	69.00	100	Horizontal	Pass
6	16187.500	57.33	6.27	74.0	16.67	Peak	74.00	100	Horizontal	Pass
6**	16187.500	47.71	6.27	54.0	6.29	AV	74.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
EMI Receiver	KEYSIGHT	N9010B	BH-EMC-L099	2025.02.12	2026.02.11	☒
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	BH-EMC-L111	2024.03.11	2027.03.10	☒
Test Antenna-Horn	A-INFO	LB-180400-KF	BH-EMC-L061	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

A.2 Conducted emission

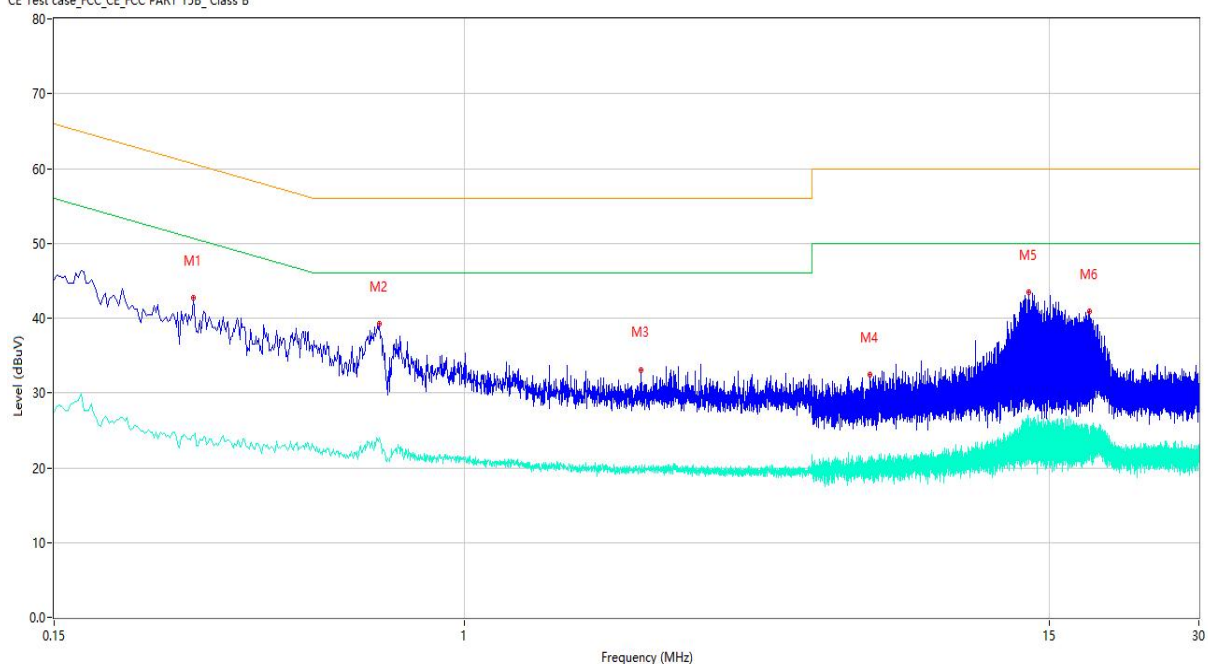
Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst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

Sample No.	SC-SH25A0089-S01	Temperature	22.1°C
Humidity	41%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Wu Dejun	Test Date	2025.11.18
Remark	Sample A		

Test Mode 1

A.2.1 AC ports - L Phase

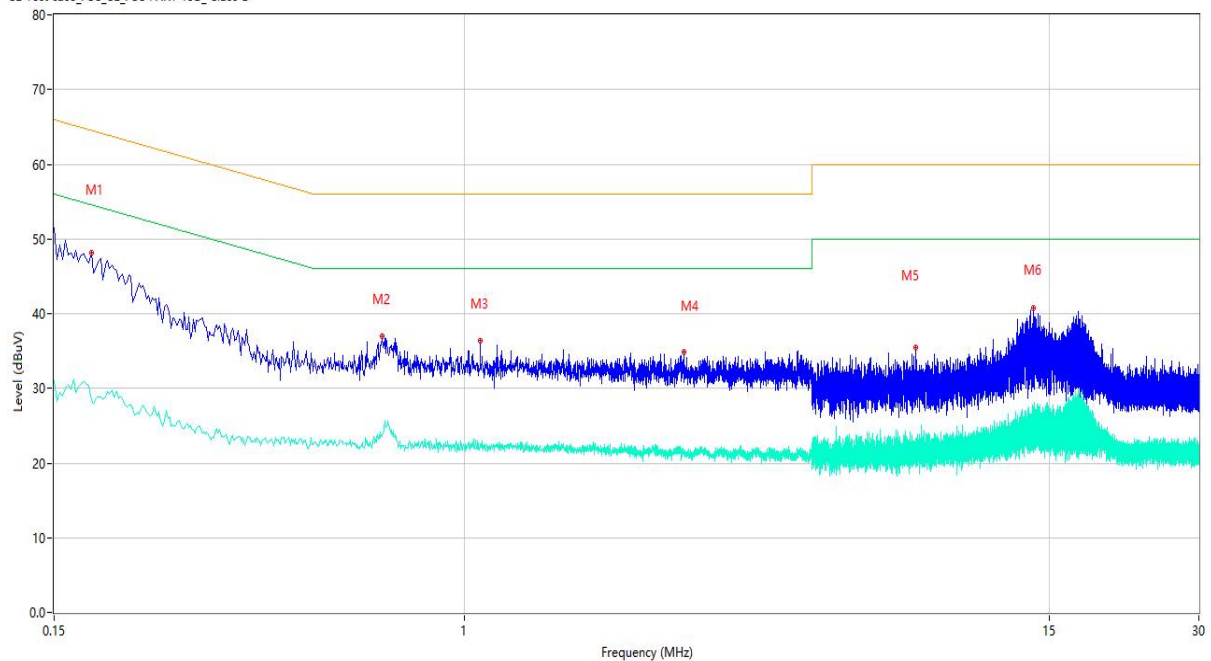
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.286	42.65	10.12	60.64	17.99	Peak	L	Pass
1**	0.286	24.31	10.12	50.64	26.33	AV	L	Pass
2	0.676	39.18	10.22	56.00	16.82	Peak	L	Pass
2**	0.676	23.97	10.22	46.00	22.03	AV	L	Pass
3	2.268	33.11	10.36	56.00	22.89	Peak	L	Pass
3**	2.268	19.75	10.36	46.00	26.25	AV	L	Pass
4	6.546	32.44	10.66	60.00	27.56	Peak	L	Pass
4**	6.546	19.81	10.66	50.00	30.19	AV	L	Pass
5	13.680	43.49	11.12	60.00	16.51	Peak	L	Pass
5**	13.680	26.50	11.12	50.00	23.50	AV	L	Pass
6	18.116	40.83	11.19	60.00	19.17	Peak	L	Pass
6**	18.116	23.40	11.19	50.00	26.60	AV	L	Pass

A.2.2 AC ports - N Phase

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.178	48.10	10.09	64.58	16.48	Peak	N	Pass
1**	0.178	28.47	10.09	54.58	26.11	AV	N	Pass
2	0.686	36.99	10.23	56.00	19.01	Peak	N	Pass
2**	0.686	23.68	10.23	46.00	22.32	AV	N	Pass
3	1.078	36.40	10.20	56.00	19.60	Peak	N	Pass
3**	1.078	22.43	10.20	46.00	23.57	AV	N	Pass
4	2.766	34.82	10.38	56.00	21.18	Peak	N	Pass
4**	2.766	21.46	10.38	46.00	24.54	AV	N	Pass
5	8.086	35.54	10.80	60.00	24.46	Peak	N	Pass
5**	8.086	21.83	10.80	50.00	28.17	AV	N	Pass
6	13.928	40.82	11.13	60.00	19.18	Peak	N	Pass
6**	13.928	27.49	11.13	50.00	22.51	AV	N	Pass

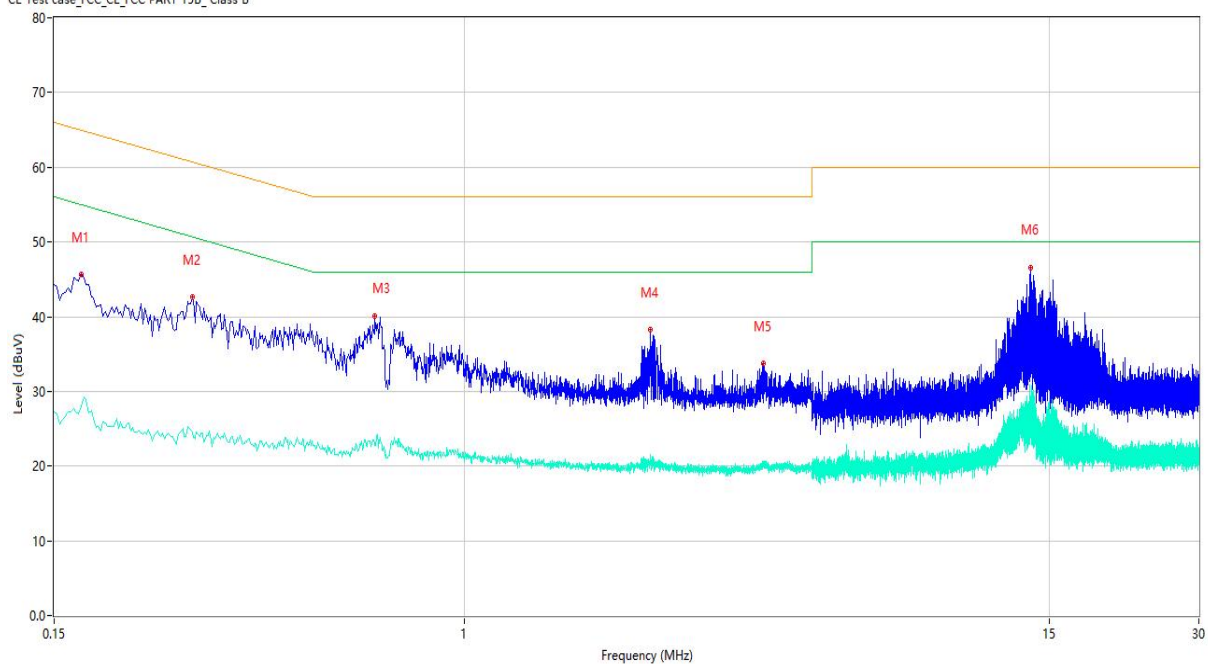
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	TJEMC144	2025.02.11	2026.02.10	☒
LISN	SCHWARZBECK	NSLK 8127	BH-EMC-L011	2025.02.11	2026.02.10	☒
10dB Limiter	SCHWARZBECK	VTSD 9561-F	BH-EMC-L014	2025.02.11	2026.02.10	☒
Shielded Room	YiHeng	4.1m*4.0m *3.2m	BH-EMC-L006	2024.02.22	2027.02.21	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V19.618	/		☒

Sample No.	SC-SH25A0089-S05	Temperature	21.8°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Wu Dejun	Test Date	2025.12.11
Remark	Sample C		

Test Mode 1

A.2.3 AC ports - L Phase

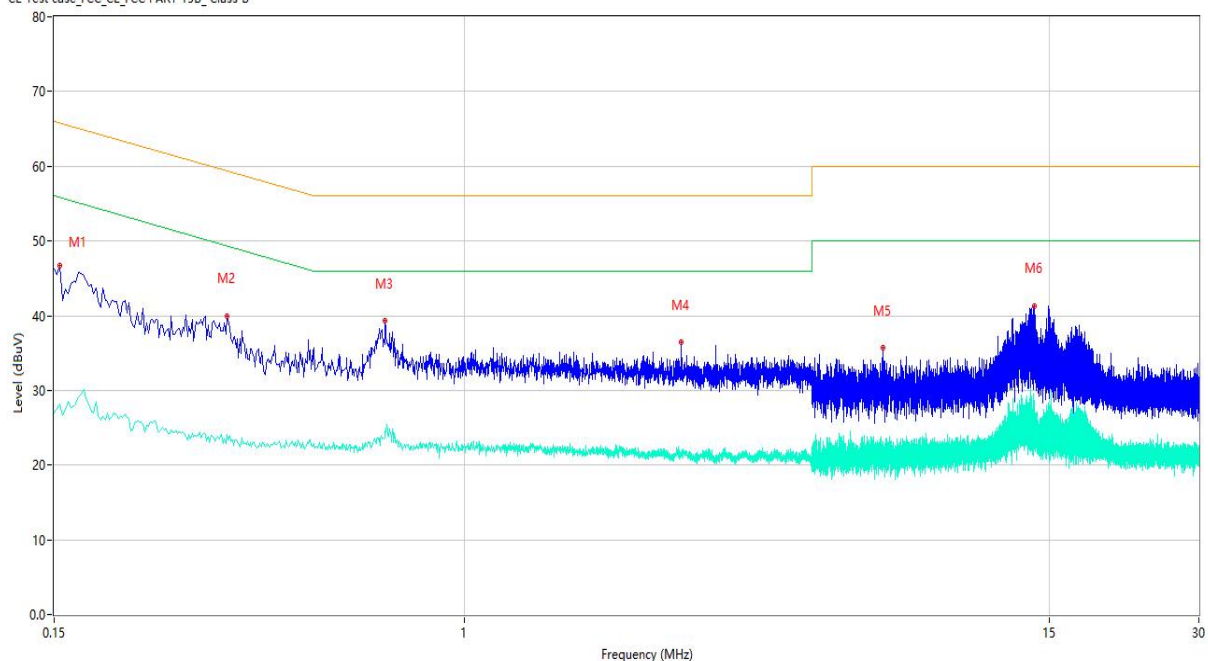
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.170	45.67	10.08	64.96	19.29	Peak	L	Pass
1**	0.170	28.01	10.08	54.96	26.95	AV	L	Pass
2	0.284	42.63	10.12	60.70	18.07	Peak	L	Pass
2**	0.284	24.63	10.12	50.70	26.07	AV	L	Pass
3	0.662	40.14	10.22	56.00	15.86	Peak	L	Pass
3**	0.662	22.73	10.22	46.00	23.27	AV	L	Pass
4	2.364	38.24	10.37	56.00	17.76	Peak	L	Pass
4**	2.364	21.10	10.37	46.00	24.90	AV	L	Pass
5	4.000	33.70	10.42	56.00	22.30	Peak	L	Pass
5**	4.000	20.48	10.42	46.00	25.52	AV	L	Pass
6	13.744	46.61	11.13	60.00	13.39	Peak	L	Pass
6**	13.744	28.67	11.13	50.00	21.33	AV	L	Pass

A.2.4 AC ports - N Phase

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	46.69	10.15	65.78	19.09	Peak	N	Pass
1**	0.154	28.24	10.15	55.78	27.54	AV	N	Pass
2	0.334	39.97	10.16	59.35	19.38	Peak	N	Pass
2**	0.334	24.08	10.16	49.35	25.27	AV	N	Pass
3	0.694	39.26	10.22	56.00	16.74	Peak	N	Pass
3**	0.694	24.63	10.22	46.00	21.37	AV	N	Pass
4	2.730	36.48	10.29	56.00	19.52	Peak	N	Pass
4**	2.730	21.16	10.29	46.00	24.84	AV	N	Pass
5	6.962	35.72	10.61	60.00	24.28	Peak	N	Pass
5**	6.962	23.27	10.61	50.00	26.73	AV	N	Pass
6	13.994	41.33	11.09	60.00	18.67	Peak	N	Pass
6**	13.994	28.12	11.09	50.00	21.88	AV	N	Pass

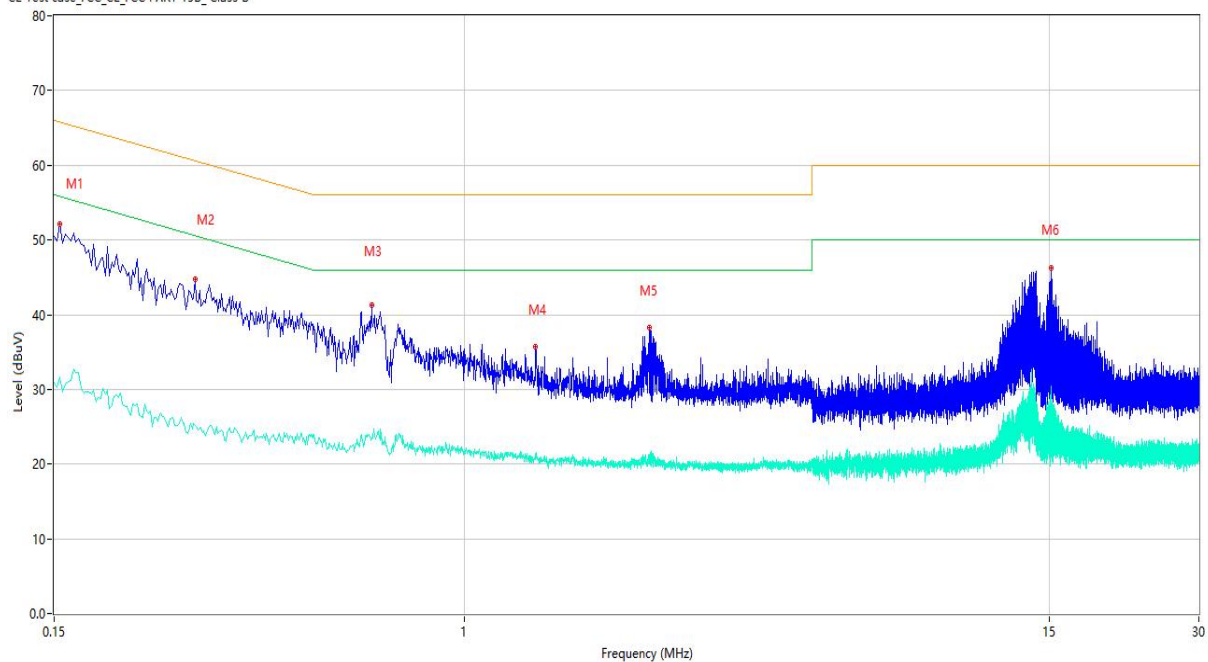
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	TJEMC144	2025.02.11	2026.02.10	☒
LISN	SCHWARZBECK	NSLK 8127	BH-EMC-L011	2025.02.11	2026.02.10	☒
10dB Limiter	SCHWARZBECK	VTSD 9561-F	BH-EMC-L014	2025.02.11	2026.02.10	☒
Shielded Room	YiHeng	4.1m*4.0m *3.2m	BH-EMC-L006	2024.02.22	2027.02.21	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V19.618	/		☒

Sample No.	SC-SH25A0089-S02	Temperature	21.4°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Wu Dejun	Test Date	2025.12.11
Remark	Sample D		

Test Mode 1

A.2.5 AC ports - L Phase

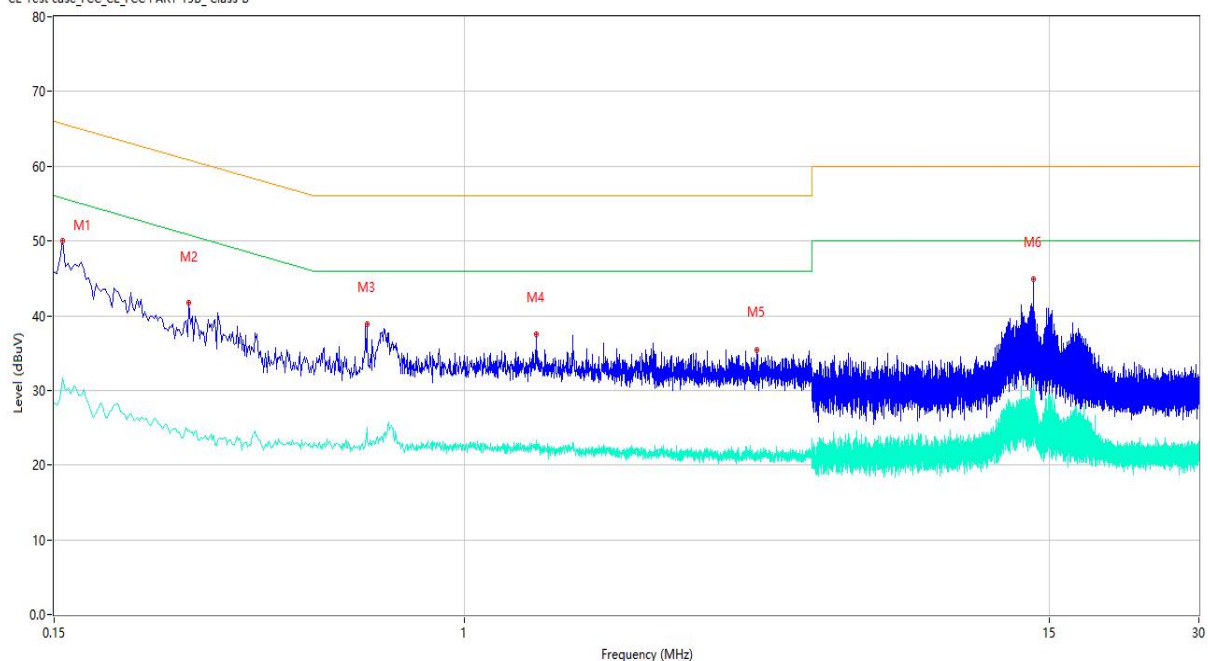
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	52.12	10.06	65.78	13.66	Peak	L	Pass
1**	0.154	31.64	10.06	55.78	24.14	AV	L	Pass
2	0.288	44.81	10.12	60.58	15.77	Peak	L	Pass
2**	0.288	25.15	10.12	50.58	25.43	AV	L	Pass
3	0.652	41.26	10.21	56.00	14.74	Peak	L	Pass
3**	0.652	23.56	10.21	46.00	22.44	AV	L	Pass
4	1.394	35.70	10.25	56.00	20.30	Peak	L	Pass
4**	1.394	21.40	10.25	46.00	24.60	AV	L	Pass
5	2.362	38.25	10.37	56.00	17.75	Peak	L	Pass
5**	2.362	21.23	10.37	46.00	24.77	AV	L	Pass
6	15.124	46.31	11.18	60.00	13.69	Peak	L	Pass
6**	15.124	30.40	11.18	50.00	19.60	AV	L	Pass

A.2.6 AC ports - N Phase

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	50.07	10.15	65.67	15.60	Peak	N	Pass
1**	0.156	31.60	10.15	55.67	24.07	AV	N	Pass
2	0.280	41.73	10.15	60.82	19.09	Peak	N	Pass
2**	0.280	24.74	10.15	50.82	26.08	AV	N	Pass
3	0.638	38.89	10.20	56.00	17.11	Peak	N	Pass
3**	0.638	24.95	10.20	46.00	21.05	AV	N	Pass
4	1.400	37.52	10.24	56.00	18.48	Peak	N	Pass
4**	1.400	22.91	10.24	46.00	23.09	AV	N	Pass
5	3.874	35.34	10.37	56.00	20.66	Peak	N	Pass
5**	3.874	21.02	10.37	46.00	24.98	AV	N	Pass
6	13.966	44.87	11.09	60.00	15.13	Peak	N	Pass
6**	13.966	27.31	11.09	50.00	22.69	AV	N	Pass

Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	TJEMC144	2025.02.11	2026.02.10	☒
LISN	SCHWARZBECK	NSLK 8127	BH-EMC-L011	2025.02.11	2026.02.10	☒
10dB Limiter	SCHWARZBECK	VTSD 9561-F	BH-EMC-L014	2025.02.11	2026.02.10	☒
Shielded Room	YiHeng	4.1m*4.0m *3.2m	BH-EMC-L006	2024.02.22	2027.02.21	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V19.618	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH25B1254-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH25B1254-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH25B1254-AI.PDF”.

Statement

1. The Testing Center 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. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.
3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.
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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--