

TEST REPORT

Applicant: INFINIX MOBILITY LIMITED

Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL
CENTRE 19-25 SHAN MEI STREET FOTAN NT
HONGKONG

Equipment Type: Mobile Phone

Model Name: X6840

Brand Name: Infinix

FCC ID: 2AIZN-X6840

Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014

Sample Arrival Date: Nov. 26, 2025

Test Date: Nov. 28, 2025

Date of Issue: Jan. 04, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center



Prepared by: Hao Longda

Hao Longda

Reviewed by: Huang Chengkun

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Approved by: Zhang Yanqing

(Laboratory Manager)

Zhang Yanqing

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jan. 04, 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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

Equipment Type	Mobile Phone
Model Name Under Test	X6840
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	167.72mm(L) × 78.82mm(W) × 7.7mm(H)
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Infinix
	Model No.	BL-51EX
	Serial No.	N/A
	Capacity	5200 mAh
	Rated Voltage	3.85 V
	Limit Charge Voltage	4.45 V
Ancillary Equipment 2	Adapter 1	
	Brand Name	Infinix
	Model No.	U100XSA
	Serial No.	N/A
	Rated Input	100-240 V~, 0.15 A, 50/60 Hz 0.3A
	Rated Output	5 V= 2 A
Ancillary Equipment 3	Adapter 2	
	Brand Name	Infinix
	Model No.	U100XSC
	Serial No.	N/A
	Rated Input	100-240 V~, 0.15 A, 50/60 Hz 0.3A
	Rated Output	5 V= 2 A 10.0W
Ancillary Equipment 4	USB Cable	
	Model No.	N/A
	Length (Approx.)	1.0 m
Ancillary Equipment 5	Earphone 1	
	Length (Approx.)	1.15 m
Ancillary Equipment 6	Earphone 2	
	Length (Approx.)	1.15 m
Note 1: All Earphones are tested, only the worst data of Earphone 1 shown in this report.		
Note 2: All Adapters are tested, only the worst data of Adapter 1 shown in this report.		

2.5 Technical Information

Network and wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7 LTE TDD Band 38/41 Bluetooth, 2.4G WIFI, 5G WIFI BDS, Galileo, Glonass, GPS, SBAS, FM receiver
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	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 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
TF Card	N/A	N/A	N/A	N/A	N/A	☒
Laptop	DELL	N/A	N/A	N/A	N/A	☒

4.2 Test Configurations

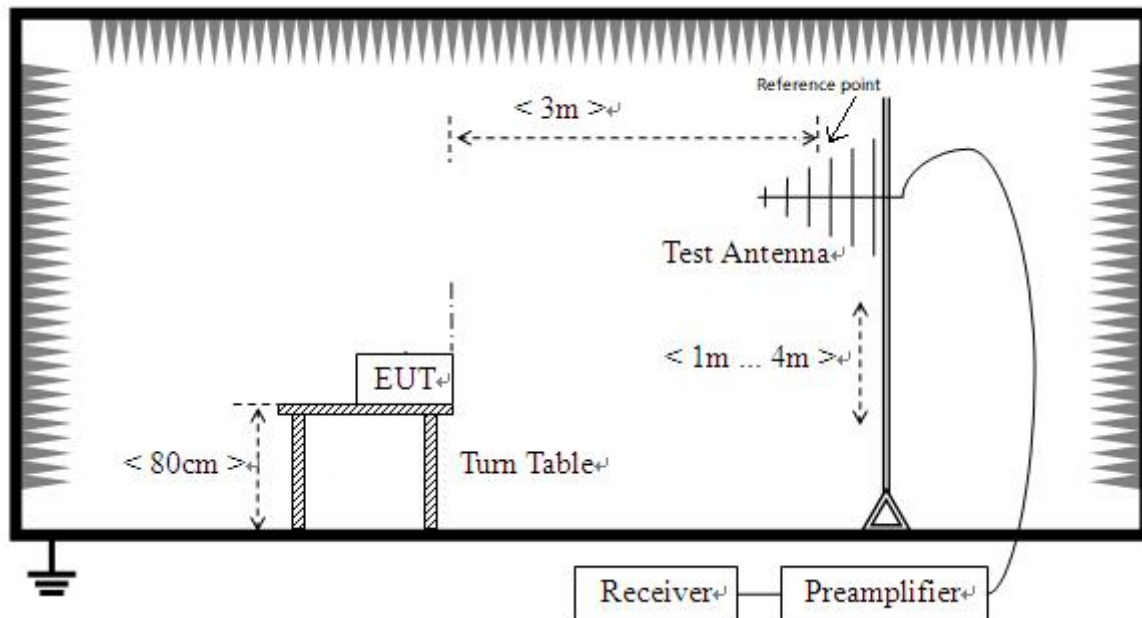
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + earphone + TF Card
Mode 2	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + earphone + TF Card
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + earphone + TF Card
Mode 4	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop+ earphone + TF Card

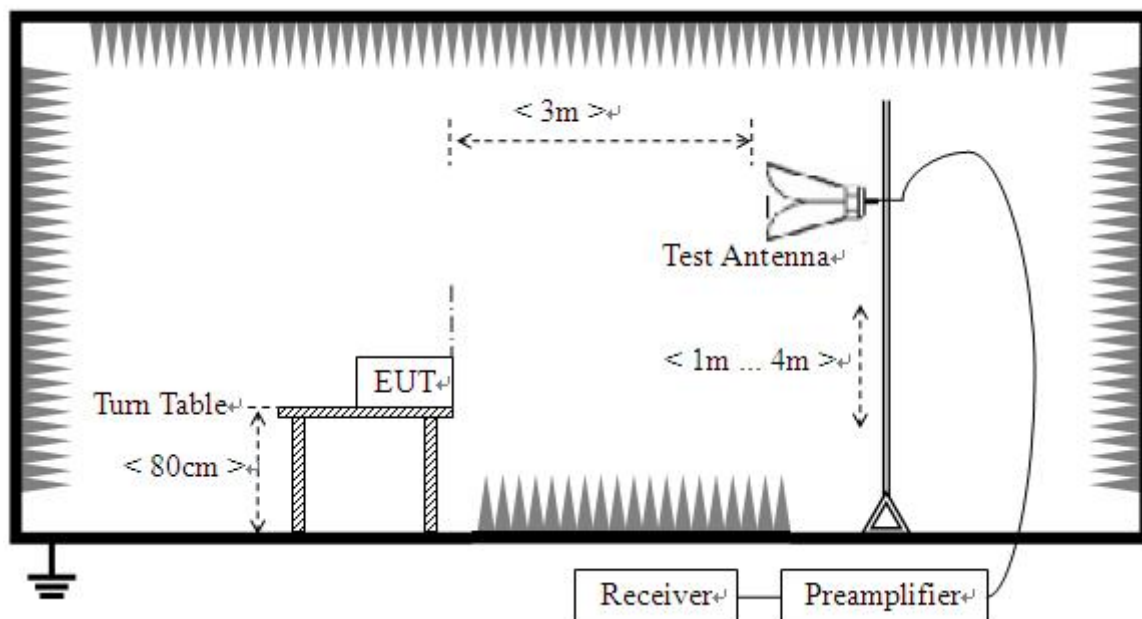
Test Case	Test Mode Configuration	Worst Mode
Radiated emission	Mode 1~Mode 4	1, 4
Conducted emission	Mode 1~Mode 3	1
Note: Based on client request, all normal using modes of the normal function were tested, but only data of the worst mode (if test case has) was reported in this report.		

4.3 Test Setups

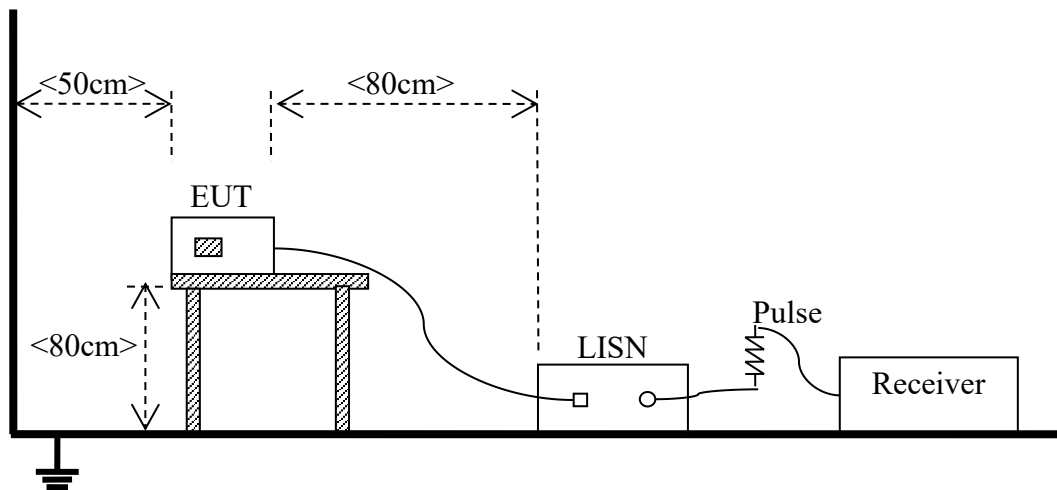
Test Setup 1



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

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.	

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.

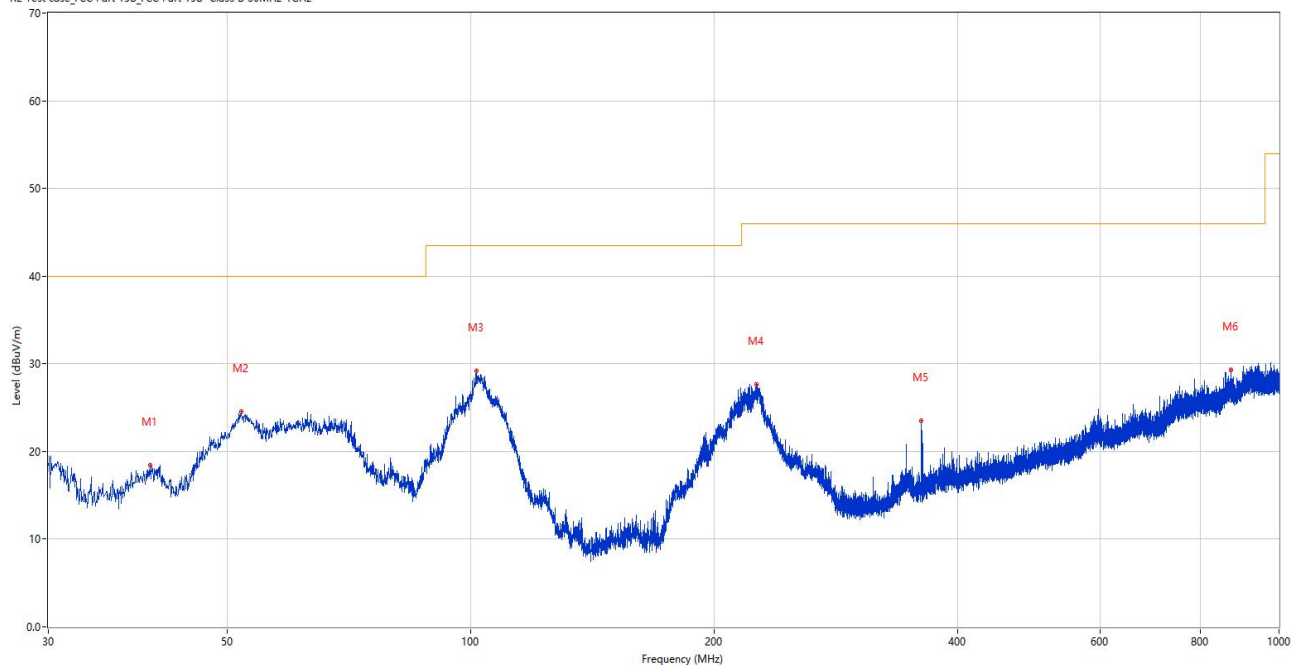
Note 2: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	SC-SH25B0137-S03	Temperature	22.2°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Hao Longda	Test Date	2025.11.28

Test Mode 1

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

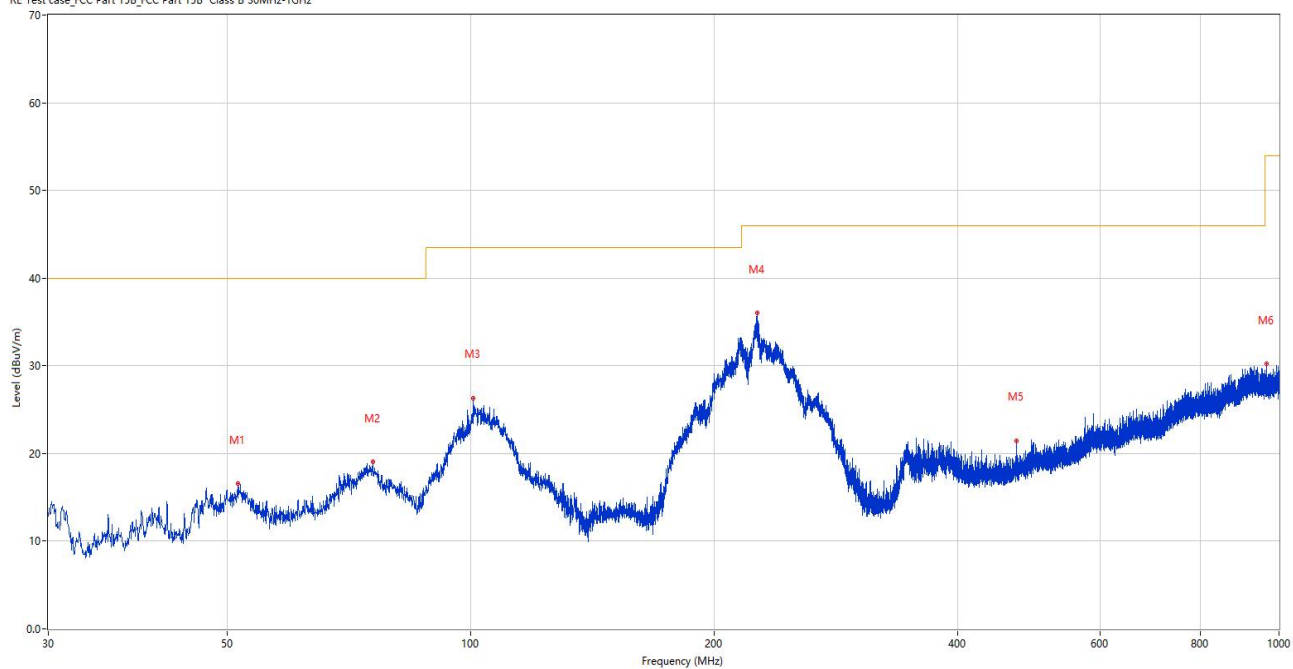
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.136	18.39	-27.16	40.0	21.61	Peak	184.00	100	Vertical	Pass
2	51.971	24.53	-25.73	40.0	15.47	Peak	227.00	100	Vertical	Pass
3	101.537	29.18	-26.78	43.5	14.32	Peak	2.00	100	Vertical	Pass
4	225.746	27.61	-26.11	46.0	18.39	Peak	221.00	100	Vertical	Pass
5	361.207	23.47	-22.46	46.0	22.53	Peak	59.00	100	Vertical	Pass
6	872.348	29.28	-10.52	46.0	16.72	Peak	29.00	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



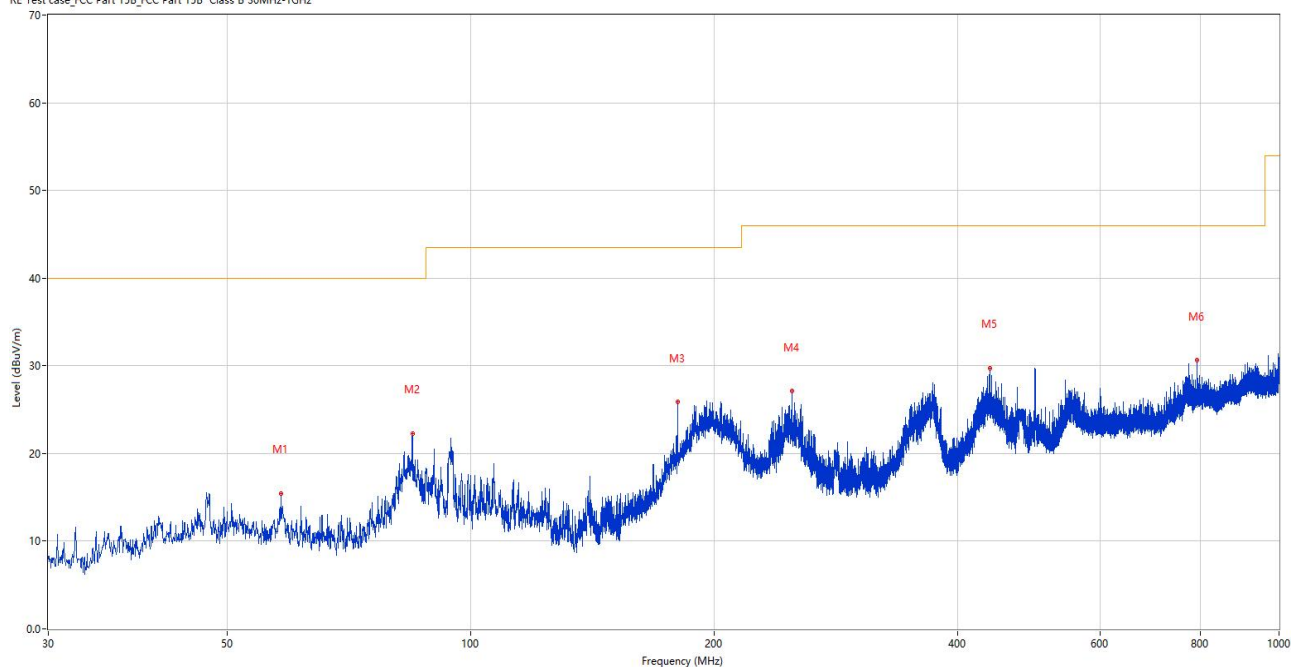
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.534	16.53	-25.71	40.0	23.47	Peak	270.00	100	Horizontal	Pass
2	75.638	19.04	-31.40	40.0	20.96	Peak	115.00	200	Horizontal	Pass
3	100.761	26.33	-26.80	43.5	17.17	Peak	228.00	200	Horizontal	Pass
4	226.182	36.00	-26.06	46.0	10.00	Peak	79.00	100	Horizontal	Pass
5	473.290	21.39	-19.56	46.0	24.61	Peak	204.00	200	Horizontal	Pass
6	965.468	30.25	-9.25	54.0	23.75	Peak	50.00	200	Horizontal	Pass

Sample No.	SC-SH25B0137-S03	Temperature	22.2°C
Humidity	48%RH	Test Voltage	DC 5V From PC
Test Engineer	Hao Longda	Test Date	2025.11.28

Test Mode 4

A.1.3 Test Antenna Vertical, 30 MHz – 1 GHz

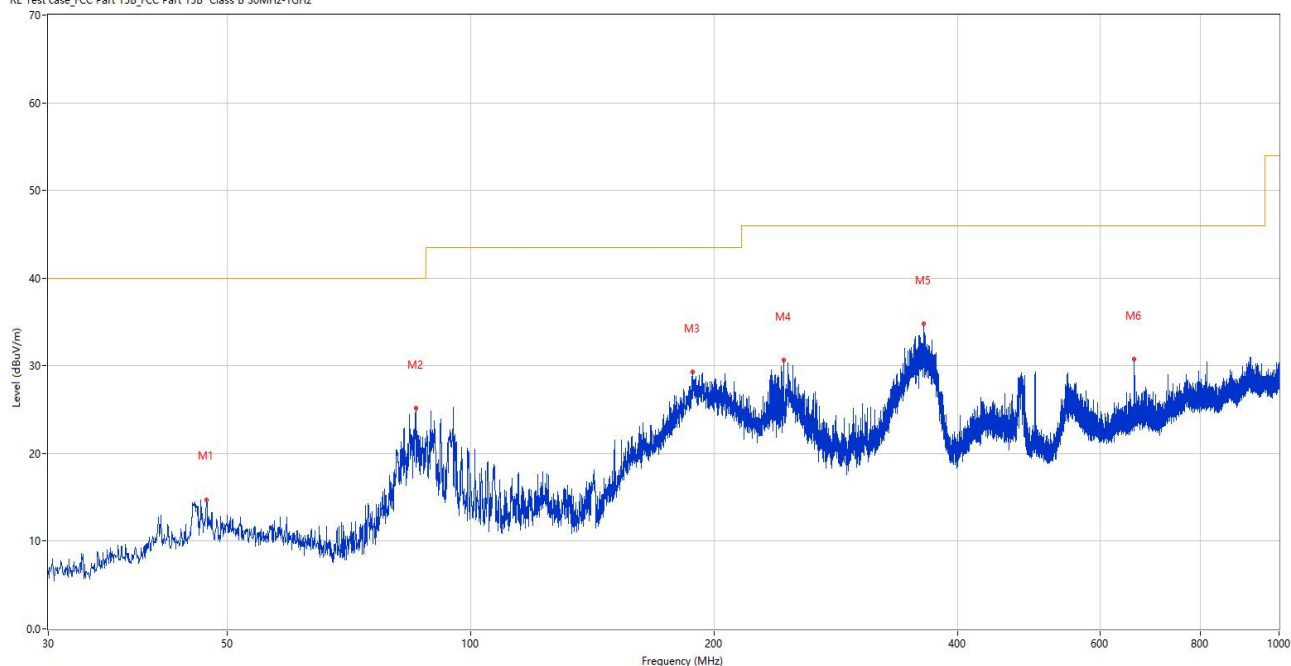
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.227	15.48	-26.39	40.0	24.52	Peak	52.00	200	Vertical	Pass
2	84.660	22.31	-30.83	40.0	17.69	Peak	313.00	100	Vertical	Pass
3	180.253	25.88	-28.51	43.5	17.62	Peak	130.00	100	Vertical	Pass
4	249.656	27.13	-24.79	46.0	18.87	Peak	216.00	100	Vertical	Pass
5	438.370	29.73	-20.04	46.0	16.27	Peak	360.00	100	Vertical	Pass
6	791.256	30.60	-11.74	46.0	15.40	Peak	332.00	100	Vertical	Pass

A.1.4 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	47.120	14.76	-25.79	40.0	25.24	Peak	0.00	200	Horizontal	Pass
2	85.436	25.14	-30.58	40.0	14.86	Peak	285.00	200	Horizontal	Pass
3	188.207	29.30	-27.51	43.5	14.20	Peak	335.00	200	Horizontal	Pass
4	243.885	30.67	-25.13	46.0	15.33	Peak	159.00	100	Horizontal	Pass
5	363.728	34.81	-22.34	46.0	11.19	Peak	13.00	100	Horizontal	Pass
6	662.440	30.73	-14.50	46.0	15.27	Peak	258.00	100	Horizontal	Pass

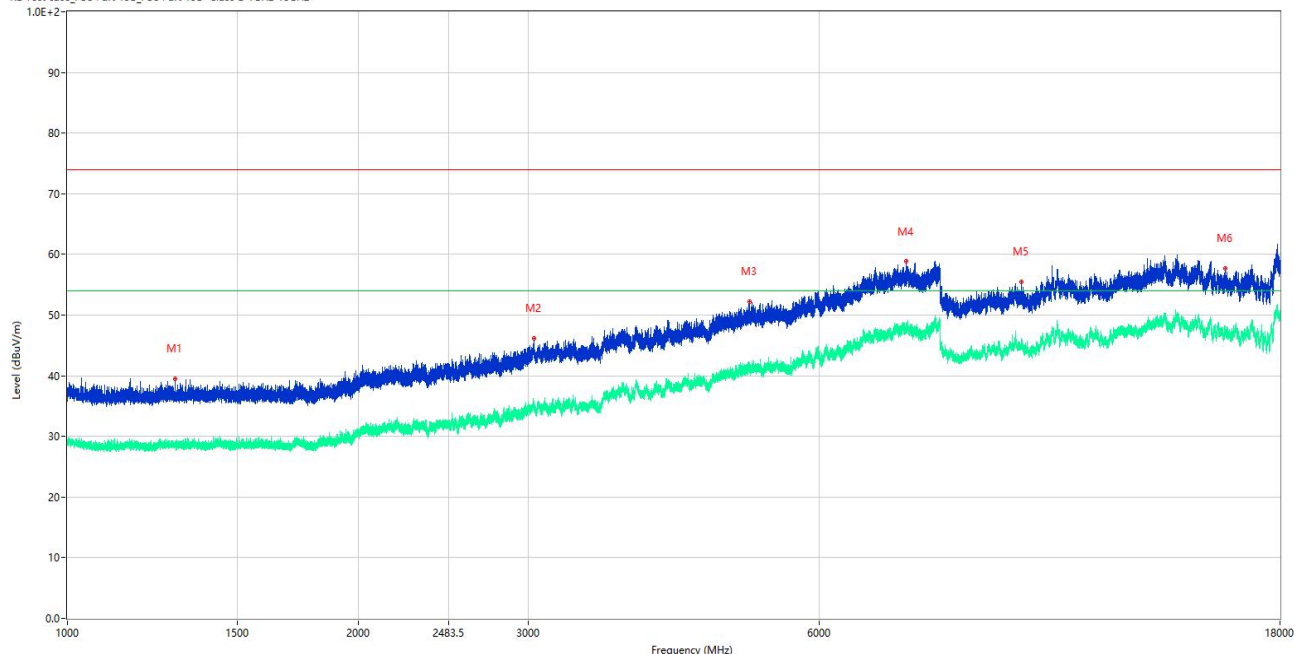
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	BH-EMC-L132	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17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

Sample No.	SC-SH25B0137-S03	Temperature	22.2°C
Humidity	48%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Hao Longda	Test Date	2025.11.28

Test Mode 1

A.1.5 Test Antenna Vertical, 1 GHz – 18 GHz

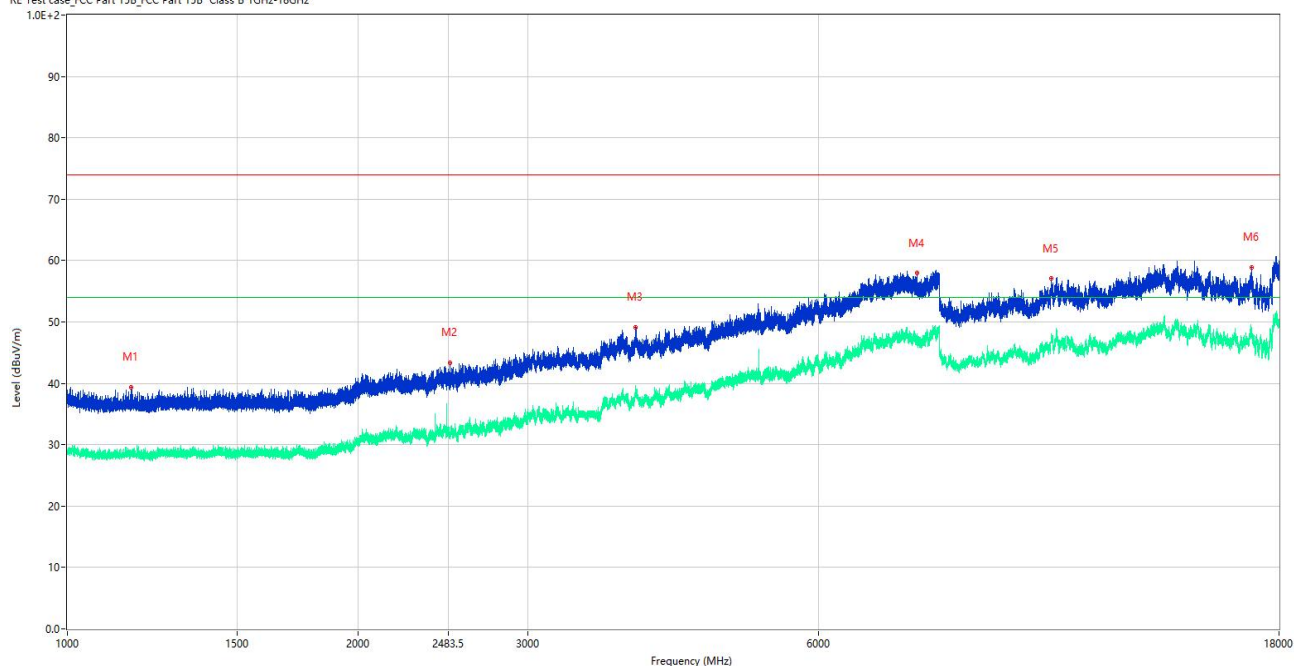
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1291.800	39.48	-16.02	74.0	34.52	Peak	68.00	100	Vertical	Pass
1**	1291.800	28.72	-16.02	54.0	25.28	AV	68.00	100	Vertical	Pass
2	3040.000	46.22	-7.08	74.0	27.78	Peak	94.00	100	Vertical	Pass
2**	3040.000	35.67	-7.08	54.0	18.33	AV	94.00	100	Vertical	Pass
3	5083.250	52.20	-0.42	74.0	21.80	Peak	88.00	100	Vertical	Pass
3**	5083.250	41.38	-0.42	54.0	12.62	AV	88.00	100	Vertical	Pass
4	7381.750	58.80	5.89	74.0	15.20	Peak	294.00	100	Vertical	Pass
4**	7381.750	47.60	5.89	54.0	6.40	AV	294.00	100	Vertical	Pass
5	9724.500	55.51	2.12	74.0	18.49	Peak	235.00	100	Vertical	Pass
5**	9724.500	44.90	2.12	54.0	9.10	AV	235.00	100	Vertical	Pass
6	15799.500	57.63	6.33	74.0	16.37	Peak	13.00	100	Vertical	Pass
6**	15799.500	47.75	6.33	54.0	6.25	AV	13.00	100	Vertical	Pass

A.1.6 Test Antenna Horizontal, 1 GHz – 18 GHz

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



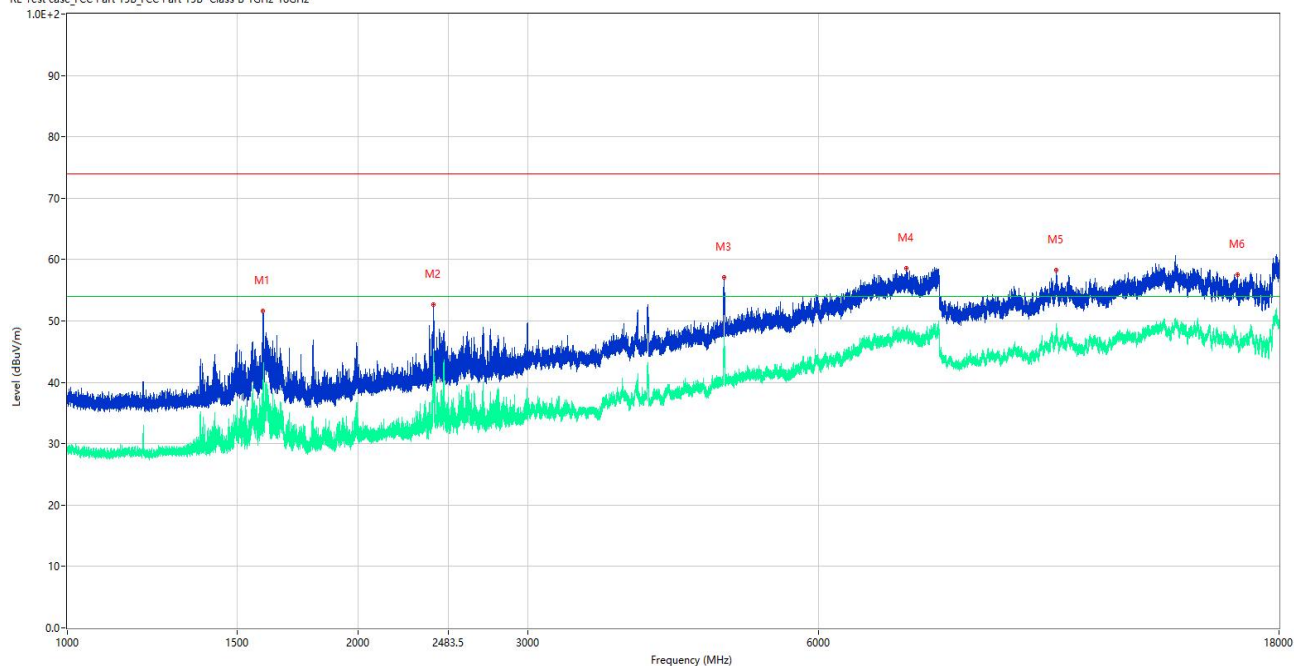
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1165.300	39.41	-15.77	74.0	34.59	Peak	160.00	100	Horizontal	Pass
1**	1165.300	28.65	-15.77	54.0	25.35	AV	160.00	100	Horizontal	Pass
2	2491.200	43.35	-11.53	74.0	30.65	Peak	170.00	100	Horizontal	Pass
2**	2491.200	31.95	-11.53	54.0	22.05	AV	170.00	100	Horizontal	Pass
3	3879.250	49.17	-2.62	74.0	24.83	Peak	202.00	100	Horizontal	Pass
3**	3879.250	38.52	-2.62	54.0	15.48	AV	202.00	100	Horizontal	Pass
4	7594.500	58.03	5.33	74.0	15.97	Peak	131.00	100	Horizontal	Pass
4**	7594.500	46.50	5.33	54.0	7.50	AV	131.00	100	Horizontal	Pass
5	10451.000	57.15	3.87	74.0	16.85	Peak	186.00	100	Horizontal	Pass
5**	10451.000	47.46	3.87	54.0	6.54	AV	186.00	100	Horizontal	Pass
6	16873.500	58.90	6.38	74.0	15.10	Peak	0.00	100	Horizontal	Pass
6**	16873.500	47.61	6.38	54.0	6.39	AV	0.00	100	Horizontal	Pass

Sample No.	SC-SH25B0137-S03	Temperature	22.2°C
Humidity	48%RH	Test Voltage	DC 5V From PC
Test Engineer	Hao Longda	Test Date	2025.11.28

Test Mode 4

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

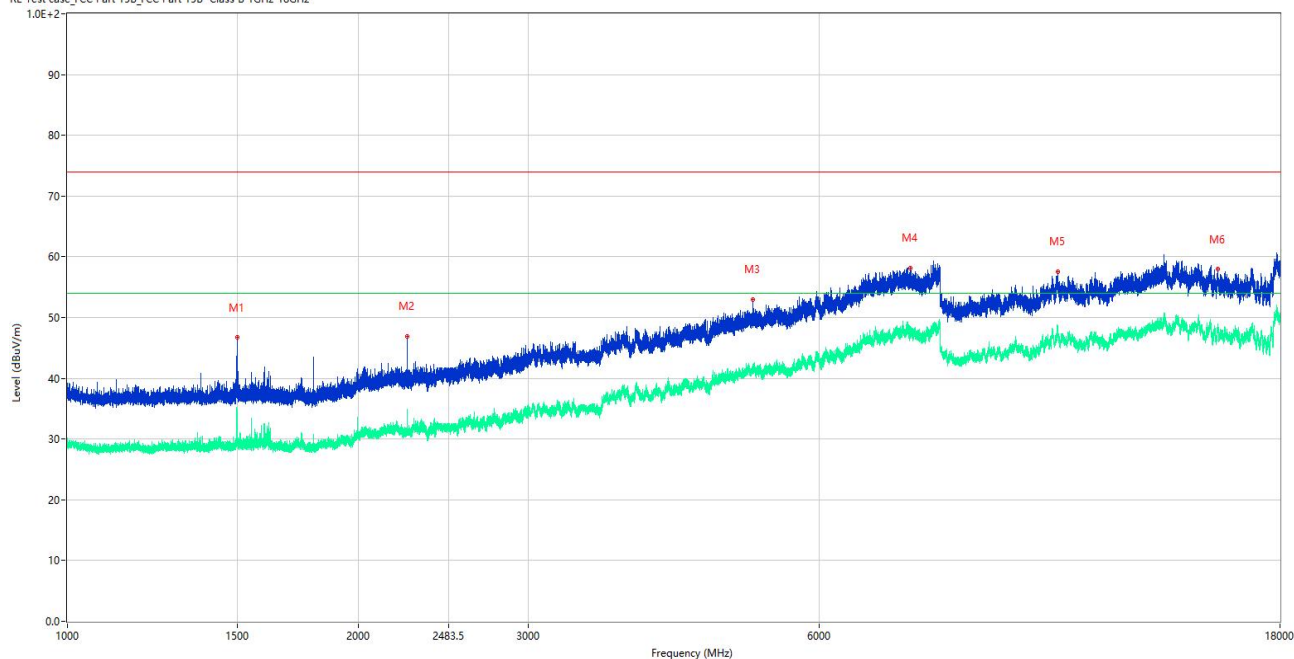
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.900	51.66	-16.13	74.0	22.34	Peak	167.00	100	Vertical	Pass
1**	1594.900	36.92	-16.13	54.0	17.08	AV	167.00	100	Vertical	Pass
2	2395.200	56.72	-12.12	74.0	17.28	Peak	143.00	100	Vertical	Pass
2**	2395.200	46.35	-12.12	54.0	7.65	AV	143.00	100	Vertical	Pass
3	4793.250	57.08	-1.28	74.0	16.92	Peak	360.00	100	Vertical	Pass
3**	4793.250	46.12	-1.28	54.0	7.88	AV	360.00	100	Vertical	Pass
4	7396.500	58.56	6.24	74.0	15.44	Peak	109.00	100	Vertical	Pass
4**	7396.500	47.41	6.24	54.0	6.59	AV	109.00	100	Vertical	Pass
5	10583.500	58.27	4.80	74.0	15.73	Peak	5.00	100	Vertical	Pass
5**	10583.500	47.99	4.80	54.0	6.01	AV	5.00	100	Vertical	Pass
6	16297.500	57.50	5.54	74.0	16.50	Peak	289.00	100	Vertical	Pass
6**	16297.500	46.62	5.54	54.0	7.38	AV	289.00	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	1498.600	46.70	-16.26	74.0	27.30	Peak	126.00	100	Horizontal	Pass
1**	1498.600	31.58	-16.26	54.0	22.42	AV	126.00	100	Horizontal	Pass
2	2248.900	46.88	-13.06	74.0	27.12	Peak	56.00	100	Horizontal	Pass
2**	2248.900	31.29	-13.06	54.0	22.71	AV	56.00	100	Horizontal	Pass
3	5126.500	53.03	-0.45	74.0	20.97	Peak	71.00	100	Horizontal	Pass
3**	5126.500	41.91	-0.45	54.0	12.09	AV	71.00	100	Horizontal	Pass
4	7456.500	58.12	5.43	74.0	15.88	Peak	220.00	100	Horizontal	Pass
4**	7456.500	47.97	5.43	54.0	6.03	AV	220.00	100	Horizontal	Pass
5	10600.500	57.56	4.51	74.0	16.44	Peak	272.00	100	Horizontal	Pass
5**	10600.500	47.96	4.51	54.0	6.04	AV	272.00	100	Horizontal	Pass
6	15523.500	58.00	6.42	74.0	16.00	Peak	119.00	100	Horizontal	Pass
6**	15523.500	47.73	6.42	54.0	6.27	AV	119.00	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	V19.618	/		☒

A.2 Conducted emission

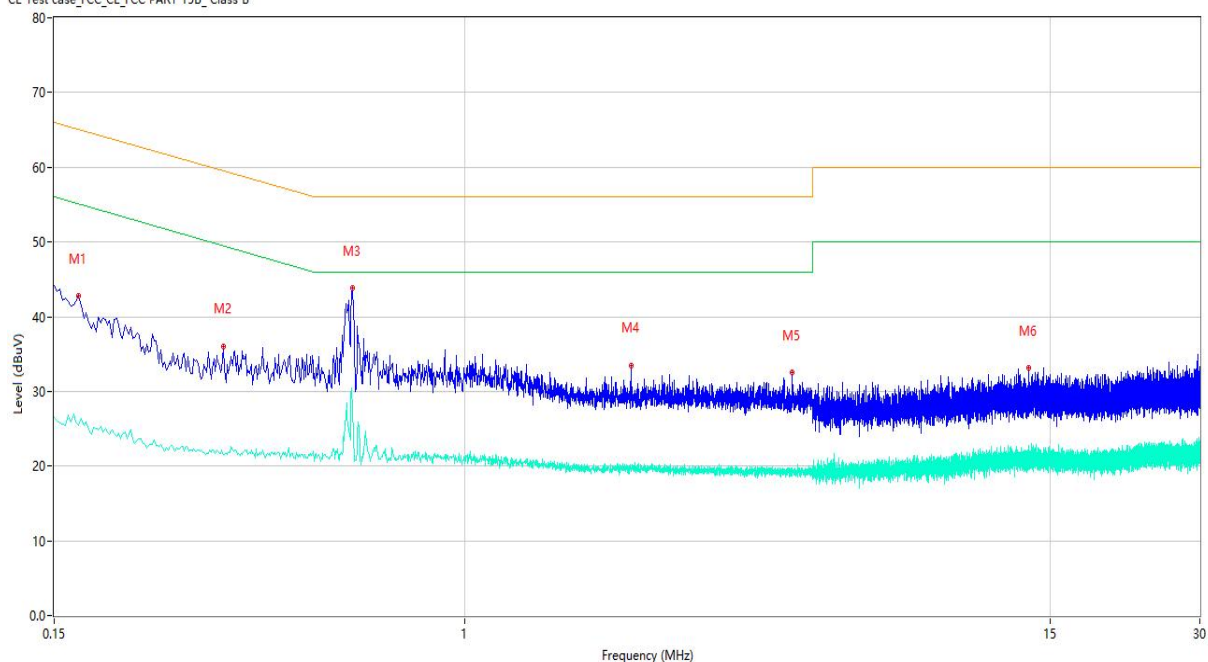
Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst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

Sample No.	SC-SH25B0137-S03	Temperature	22.5°C
Humidity	41%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Hao Longda	Test Date	2025.11.28

Test Mode 1

A.2.1 AC ports - L Phase

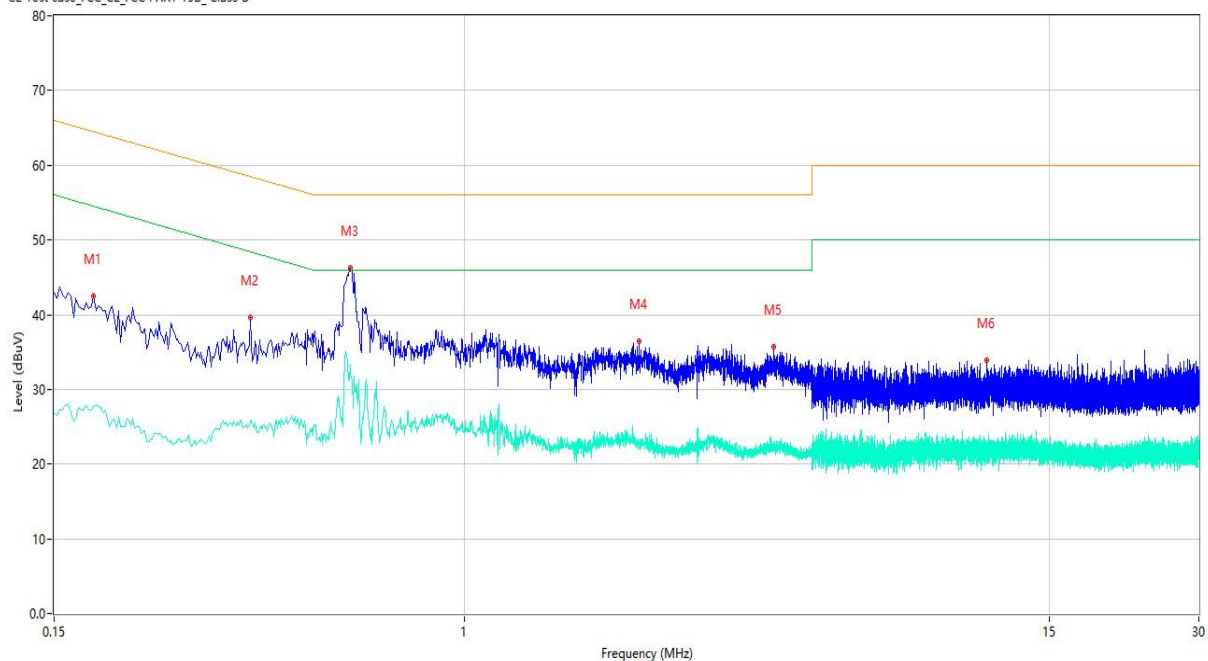
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.168	42.81	10.08	65.06	22.25	Peak	L	Pass
1**	0.168	25.41	10.08	55.06	29.65	AV	L	Pass
2	0.328	36.06	10.12	59.50	23.44	Peak	L	Pass
2**	0.328	21.52	10.12	49.50	27.98	AV	L	Pass
3	0.596	43.84	10.19	56.00	12.16	Peak	L	Pass
3**	0.596	27.50	10.19	46.00	18.50	AV	L	Pass
4	2.162	33.50	10.36	56.00	22.50	Peak	L	Pass
4**	2.162	19.31	10.36	46.00	26.69	AV	L	Pass
5	4.560	32.55	10.43	56.00	23.45	Peak	L	Pass
5**	4.560	19.58	10.43	46.00	26.42	AV	L	Pass
6	13.600	33.11	11.12	60.00	26.89	Peak	L	Pass
6**	13.600	22.69	11.12	50.00	27.31	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	0.180	42.51	10.15	64.49	21.98	Peak	N	Pass
1**	0.180	27.71	10.15	54.49	26.78	AV	N	Pass
2	0.372	39.62	10.16	58.46	18.84	Peak	N	Pass
2**	0.372	25.68	10.16	48.46	22.78	AV	N	Pass
3	0.590	46.24	10.19	56.00	9.76	Peak	N	Pass
3**	0.590	33.36	10.19	46.00	12.64	AV	N	Pass
4	2.248	36.49	10.26	56.00	19.51	Peak	N	Pass
4**	2.248	22.77	10.26	46.00	23.23	AV	N	Pass
5	4.188	35.74	10.39	56.00	20.26	Peak	N	Pass
5**	4.188	22.73	10.39	46.00	23.27	AV	N	Pass
6	11.256	33.91	10.99	60.00	26.09	Peak	N	Pass
6**	11.256	21.77	10.99	50.00	28.23	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	V21.919	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH25B1334-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH25B1334-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH25B1334-AI.PDF”.

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--END OF REPORT--