

TEST REPORT

Applicant: ITTEL MOBILE 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: P685L

Brand Name: itel

FCC ID: 2AJMN-P685L

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

Sample Arrival Date: Feb. 02, 2026

Test Date: Feb. 02, 2026

Date of Issue: Apr. 01, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Prepared by: Tong Yingying **Reviewed by:** Huang Chengkun **Approved by:** Zhang Yanqing
(Laboratory Manager)

Tong Yingying

Huang Chengkun

Zhang Yanqing

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Apr. 01, 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 is a testing organization accredited by ISED as a accredited testing laboratory. The company number is 29671 and CAB identifier number is CN0142.

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

Manufacturer	ITEL MOBILE 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	P685L
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 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	itel
	Model No.	BL-68FI
	Serial No.	N/A
	Capacity	6800 mAh
	Rated Voltage	3.91 V
	Limit Charge Voltage	4.55 V
Ancillary Equipment 2	Adapter	
	Brand Name	itel
	Model No.	U180ISB
	Serial No.	N/A
	Rated Input	100-240 V~, 0.6 A, 50/60 Hz
	Rated Output	5 V= 2.4 A 12W or 7.5 V= 2.4 A 18W Max
Ancillary Equipment 3	USB Cable	
	Model No.	N/A
	Length (Approx.)	0.8 m

2.5 Technical Information

Network and wireless connectivity	2G Network GSM/GPRS 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/26/66 TDD LTE Band 38/41 Bluetooth, 2.4G WIFI, 5G WIFI GPS, GLONASS, BDS, Galileo, SBAS
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 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

3.4 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)

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	DELL	N/A	N/A	N/A	N/A	☒
Type-C Earphone	N/A	N/A	N/A	N/A	N/A	☒
TF Card	Kingston	N/A	N/A	N/A	N/A	☒

4.2 Test Configurations

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

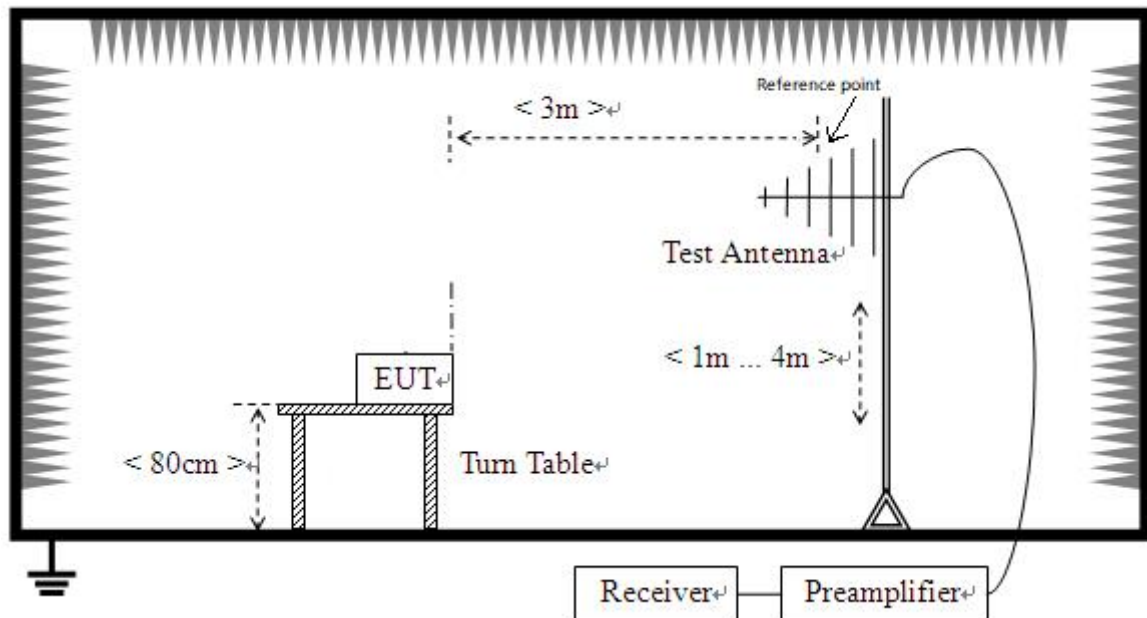
Test Mode Configuration	Description
Mode 1	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 2	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + TF Card
Mode 4	<u>The Type-C Earphone Test Mode</u> EUT + Battery + Type-C Earphone + TF Card
Mode 5	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop + TF Card

Test Case	Test Mode Configuration	Worst Mode
Radiated emission	Mode 1~Mode 5	1, 5
Conducted emission	Mode 1~Mode 4	1

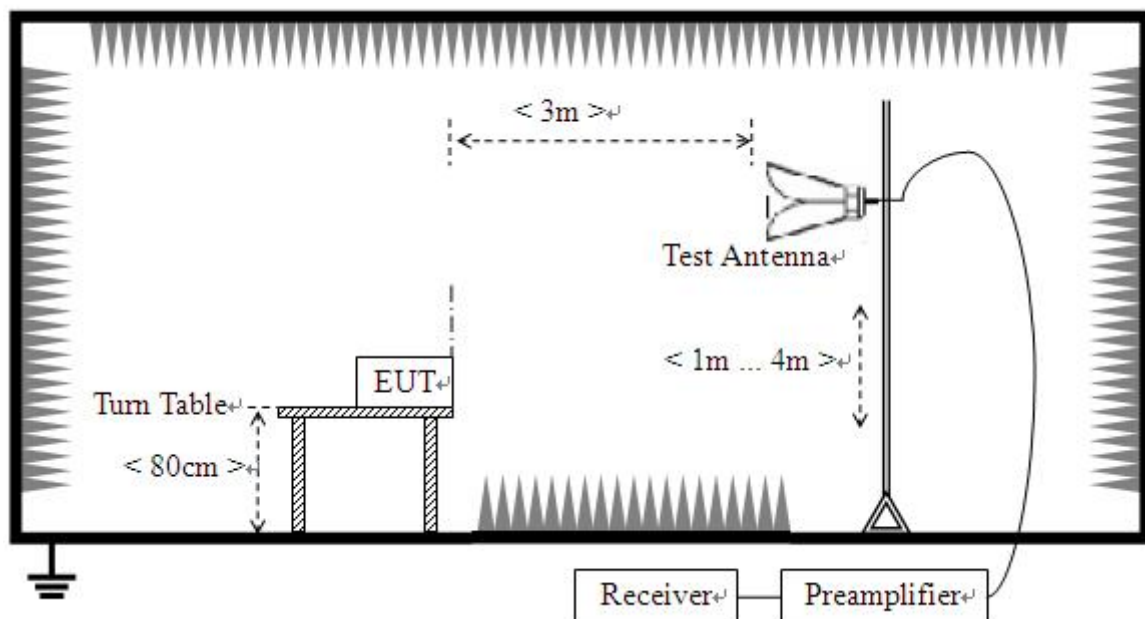
Note: Based on client request, all normal using modes of the normal function were tested, but only data of the worst mode (if test case has) was reported in this report.

4.3 Test Setups

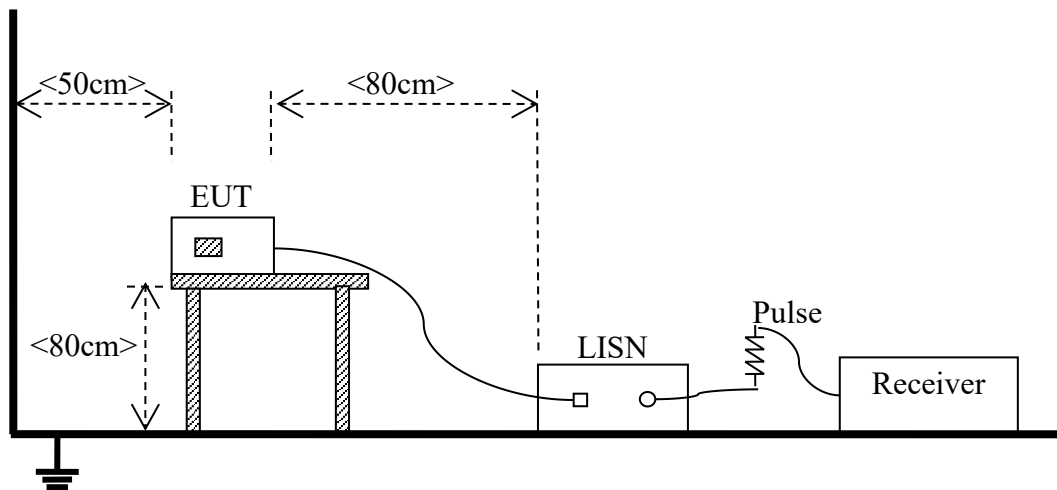
Test Setup 1



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.

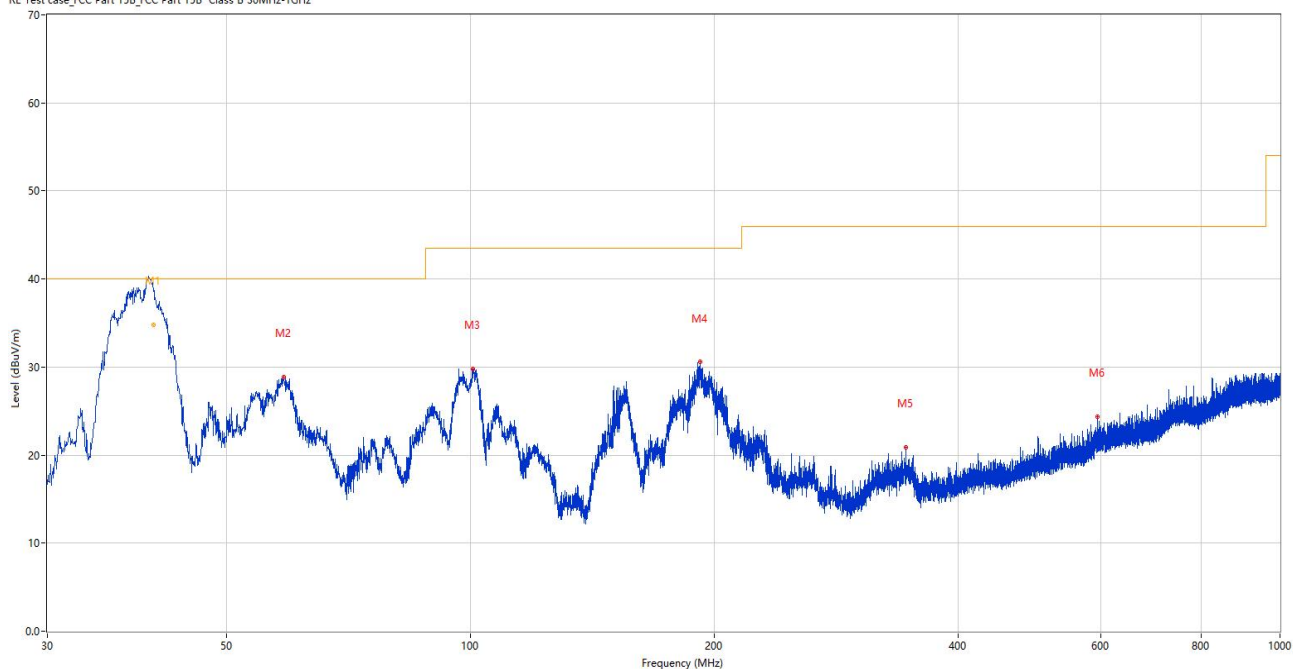
Note 2: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	CC26010359-001-S10	Temperature	22.1°C
Humidity	46%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Zhang Zhongqiu	Test Date	2026.02.02

Test Mode 1

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

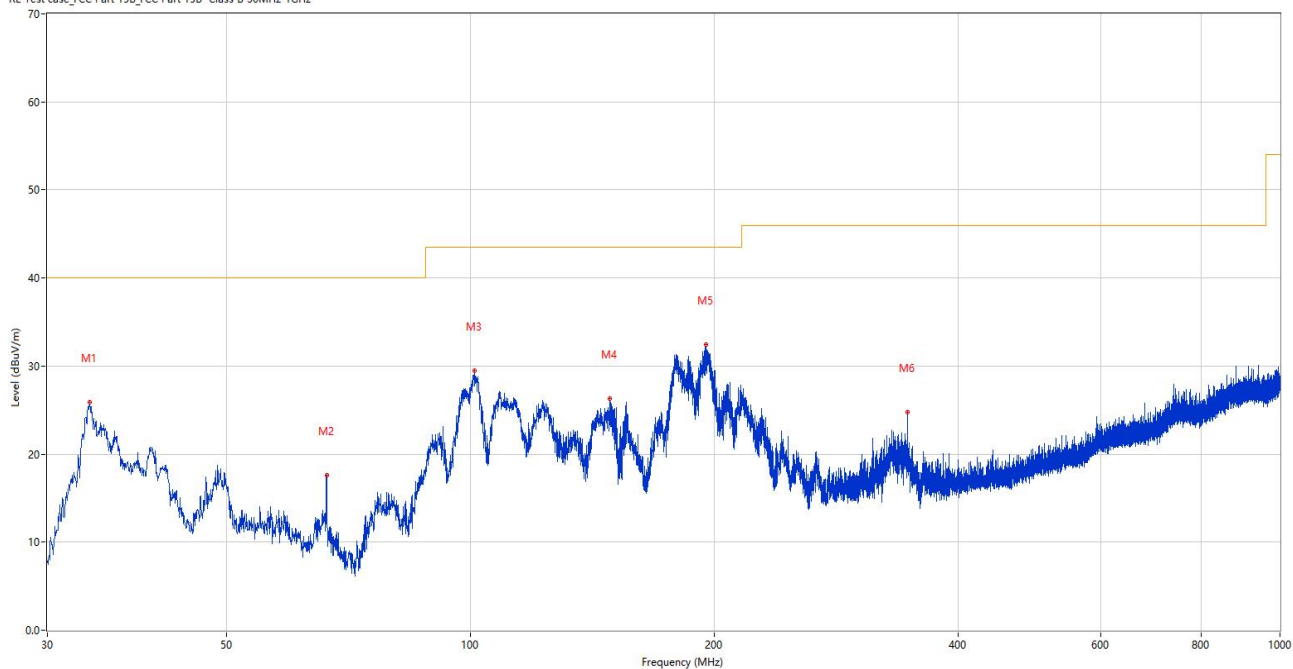
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.539	37.98	-25.99	40.0	2.02	Peak	7.00	100	Vertical	N/A
1*	40.539	34.82	-25.99	40.0	5.18	QP	7.00	100	Vertical	Pass
2	58.712	28.86	-25.90	40.0	11.14	Peak	359.00	100	Vertical	Pass
3	100.713	29.81	-26.31	43.5	13.69	Peak	0.00	100	Vertical	Pass
4	192.136	30.55	-26.41	43.5	12.95	Peak	307.00	100	Vertical	Pass
5	344.716	20.86	-21.90	46.0	25.14	Peak	325.00	100	Vertical	Pass
6	594.977	24.40	-15.65	46.0	21.60	Peak	199.00	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



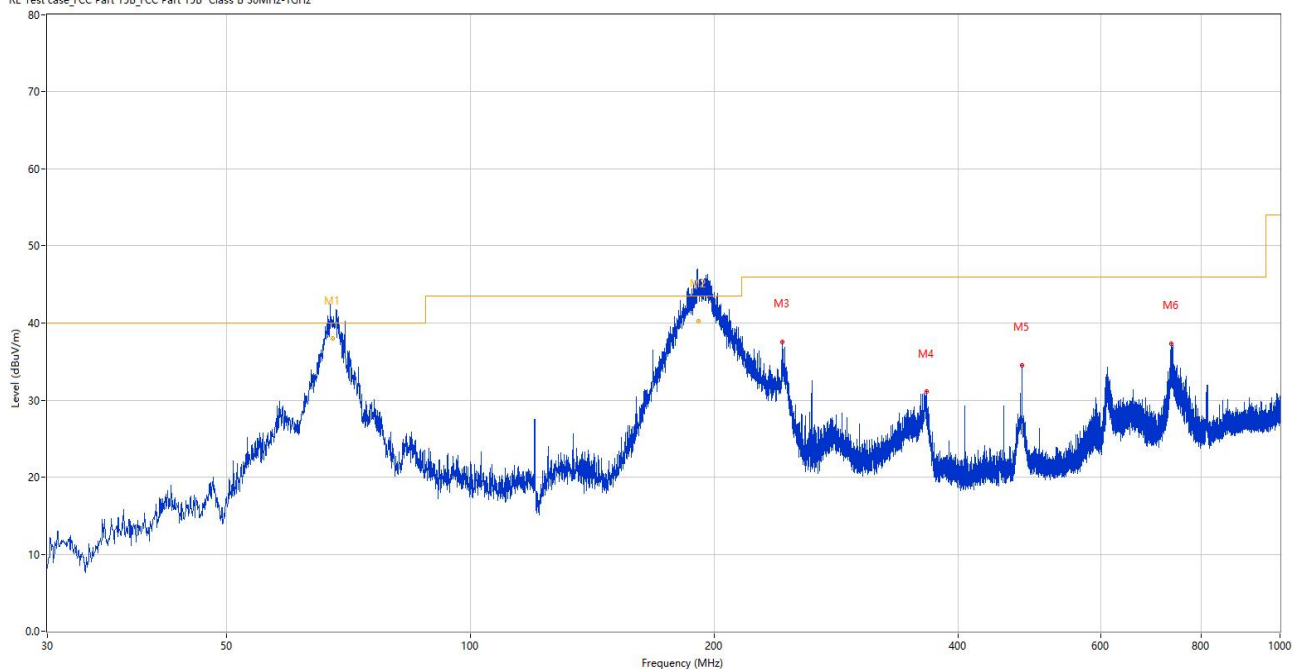
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.831	25.86	-28.25	40.0	14.14	Peak	0.00	100	Horizontal	Pass
2	66.375	17.62	-27.92	40.0	22.38	Peak	34.00	200	Horizontal	Pass
3	101.198	29.51	-26.33	43.5	13.99	Peak	168.00	200	Horizontal	Pass
4	148.583	26.34	-29.83	43.5	17.16	Peak	198.00	200	Horizontal	Pass
5	195.142	32.41	-26.03	43.5	11.09	Peak	295.00	200	Horizontal	Pass
6	346.462	24.78	-21.84	46.0	21.22	Peak	262.00	100	Horizontal	Pass

Sample No.	CC26010359-001-S10	Temperature	22.1°C
Humidity	46%RH	Test Voltage	DC 5V From PC
Test Engineer	Zhang Zhongqiu	Test Date	2026.02.02

Test Mode 5

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

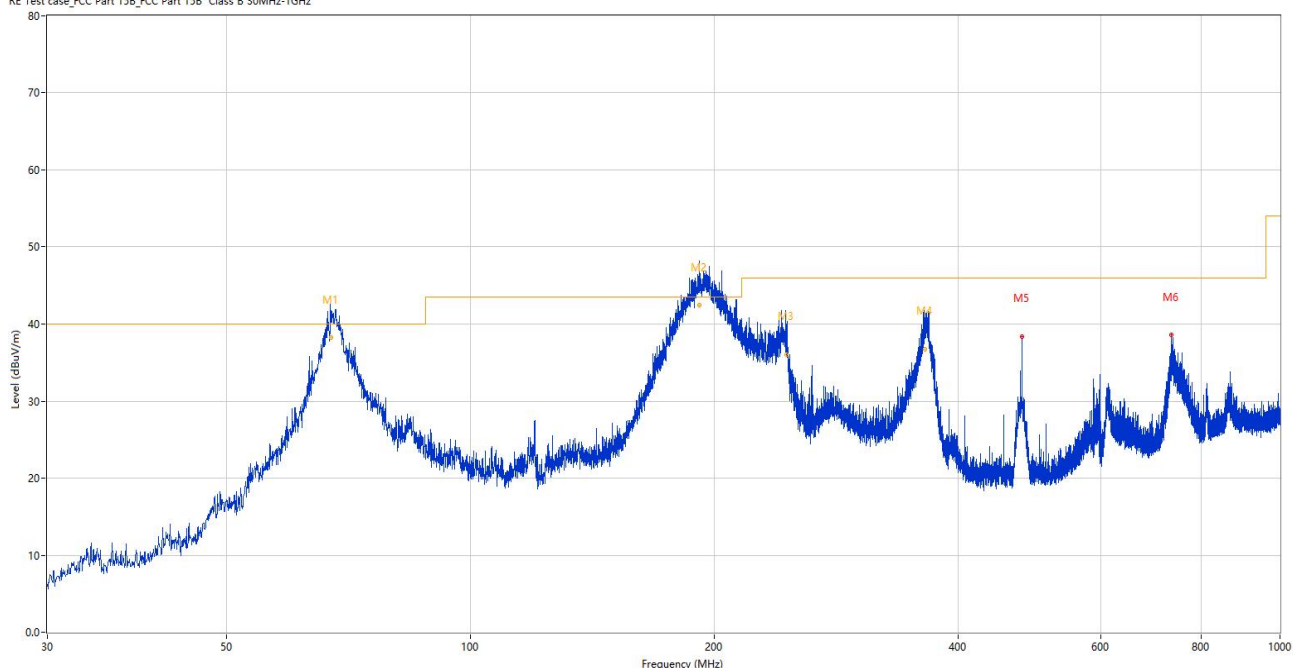
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	67.494	43.36	-28.13	40.0	-3.36	Peak	89.00	198	Vertical	N/A
1*	67.494	38.05	-28.13	40.0	1.95	QP	89.00	198	Vertical	Pass
2	191.057	46.83	-26.75	43.5	-3.33	Peak	136.00	100	Vertical	N/A
2*	191.057	40.24	-26.75	43.5	3.26	QP	136.00	100	Vertical	Pass
3	242.478	37.57	-24.60	46.0	8.43	Peak	17.00	100	Vertical	Pass
4	366.105	31.07	-22.00	46.0	14.93	Peak	353.00	200	Vertical	Pass
5	479.983	34.51	-19.13	46.0	11.49	Peak	360.00	100	Vertical	Pass
6	734.074	37.29	-13.09	46.0	8.71	Peak	186.00	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	67.209	43.88	-28.15	40.0	-3.88	Peak	167.00	153	Horizontal	N/A
1*	67.209	38.28	-28.15	40.0	1.72	QP	167.00	153	Horizontal	Pass
2	191.489	50.05	-26.48	43.5	-6.55	Peak	298.00	178	Horizontal	N/A
2*	191.489	42.50	-26.48	43.5	1.00	QP	298.00	178	Horizontal	Pass
3	245.403	41.68	-24.57	46.0	4.32	Peak	286.00	127	Horizontal	Pass
3*	245.403	36.05	-24.57	46.0	9.95	QP	286.00	127	Horizontal	Pass
4	364.108	43.01	-22.08	46.0	2.99	Peak	347.00	101	Horizontal	Pass
4*	364.108	36.76	-22.08	46.0	9.24	QP	347.00	101	Horizontal	Pass
5	479.983	38.33	-19.13	46.0	7.67	Peak	146.00	100	Horizontal	Pass
6	733.881	38.55	-13.12	46.0	7.45	Peak	92.00	100	Horizontal	Pass

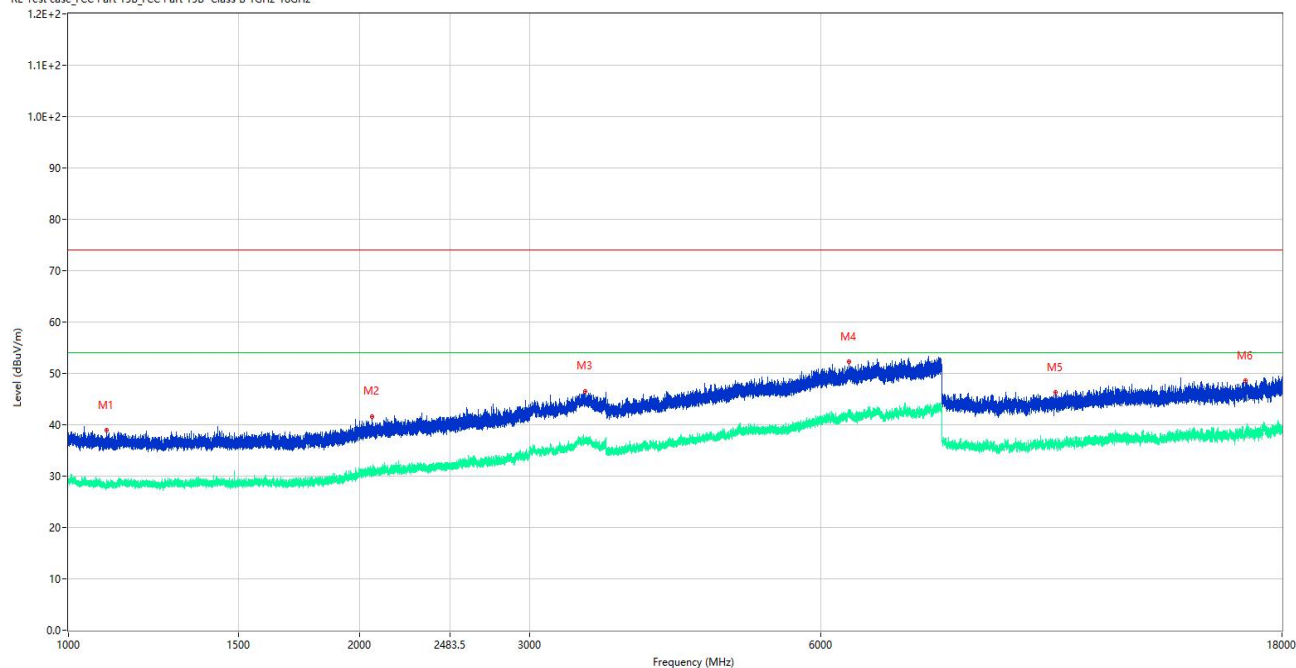
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	BH-EMC-L132	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17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

Sample No.	CC26010359-001-S10	Temperature	22.1°C
Humidity	46%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Zhang Zhongqiu	Test Date	2026.02.02

Test Mode 1

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

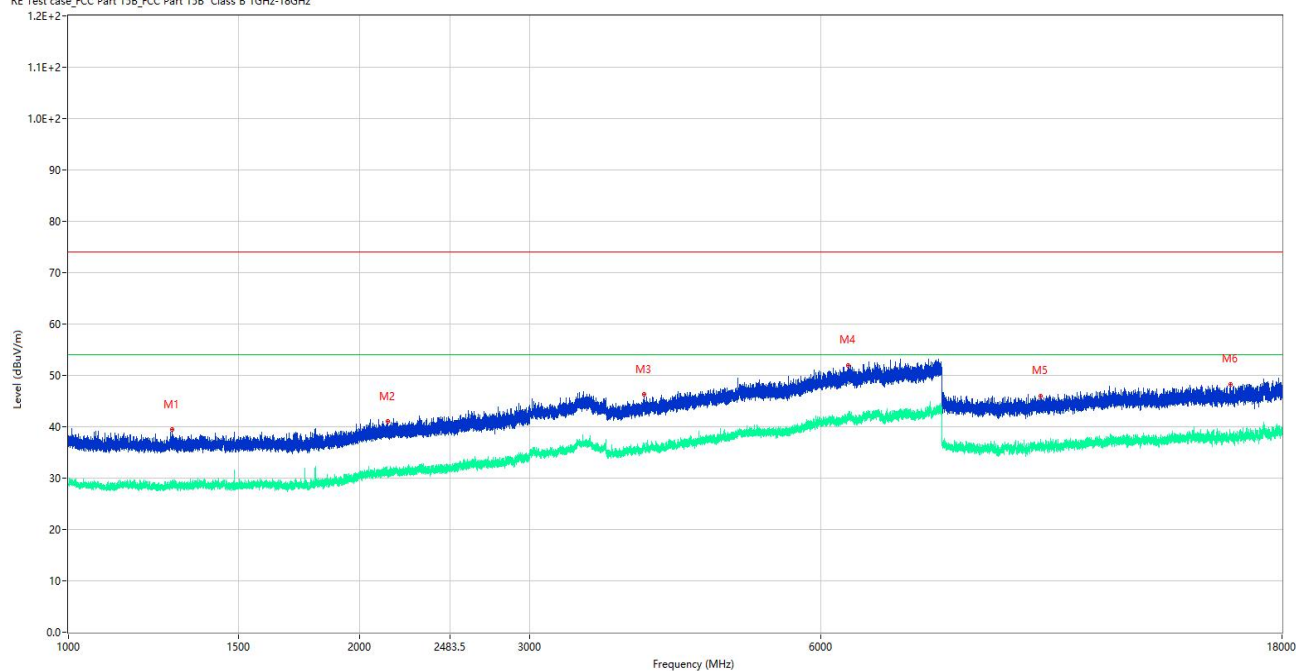
RE Test case_FCC Part 15B FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1094.400	38.91	-15.79	74.0	35.09	Peak	258.00	100	Vertical	Pass
1**	1094.400	28.27	-15.79	54.0	25.73	AV	258.00	100	Vertical	Pass
2	2060.300	41.55	-13.88	74.0	32.45	Peak	10.00	100	Vertical	Pass
2**	2060.300	30.58	-13.88	54.0	23.42	AV	10.00	100	Vertical	Pass
3	3423.500	46.57	-4.92	74.0	27.43	Peak	143.00	100	Vertical	Pass
3**	3423.500	37.33	-4.92	54.0	16.67	AV	143.00	100	Vertical	Pass
4	6413.250	52.25	0.23	74.0	21.75	Peak	329.00	100	Vertical	Pass
4**	6413.250	42.16	0.23	54.0	11.84	AV	329.00	100	Vertical	Pass
5	10492.500	46.33	-3.29	74.0	27.67	Peak	359.00	100	Vertical	Pass
5**	10492.500	36.59	-3.29	54.0	17.41	AV	359.00	100	Vertical	Pass
6	16487.999	48.64	-2.26	74.0	25.36	Peak	126.00	100	Vertical	Pass
6**	16487.999	37.84	-2.26	54.0	16.16	AV	126.00	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



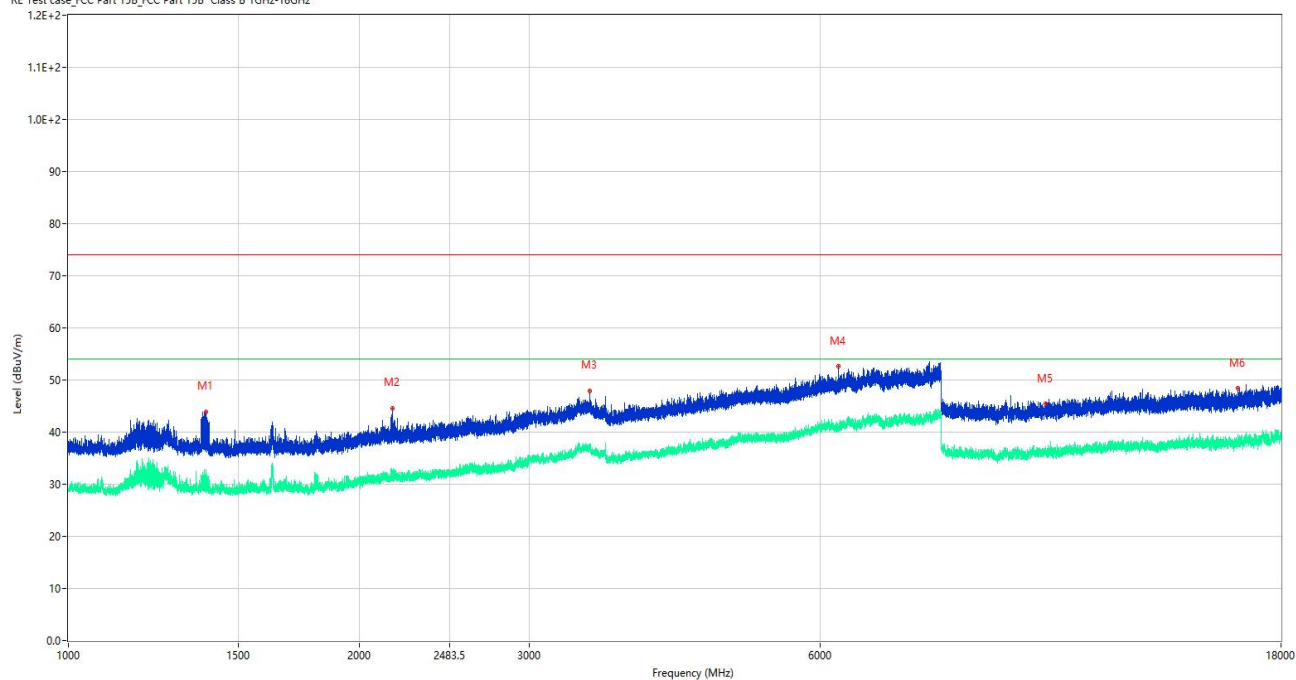
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1279.200	39.43	-15.88	74.0	34.57	Peak	1.00	100	Horizontal	Pass
1**	1279.200	27.96	-15.88	54.0	26.04	AV	1.00	100	Horizontal	Pass
2	2140.100	41.05	-13.78	74.0	32.95	Peak	208.00	100	Horizontal	Pass
2**	2140.100	30.96	-13.78	54.0	23.04	AV	208.00	100	Horizontal	Pass
3	3937.000	46.25	-3.81	74.0	27.75	Peak	318.00	100	Horizontal	Pass
3**	3937.000	36.46	-3.81	54.0	17.54	AV	318.00	100	Horizontal	Pass
4	6407.250	52.01	0.29	74.0	21.99	Peak	81.00	100	Horizontal	Pass
4**	6407.250	41.99	0.29	54.0	12.01	AV	81.00	100	Horizontal	Pass
5	10135.000	45.92	-3.91	74.0	28.08	Peak	360.00	100	Horizontal	Pass
5**	10135.000	36.56	-3.91	54.0	17.44	AV	360.00	100	Horizontal	Pass
6	15935.000	48.27	-2.28	74.0	25.73	Peak	1.00	100	Horizontal	Pass
6**	15935.000	38.07	-2.28	54.0	15.93	AV	1.00	100	Horizontal	Pass

Sample No.	CC26010359-001-S10	Temperature	22.1°C
Humidity	46%RH	Test Voltage	DC 5V From PC
Test Engineer	Zhang Zhongqiu	Test Date	2026.02.02

Test Mode 5

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

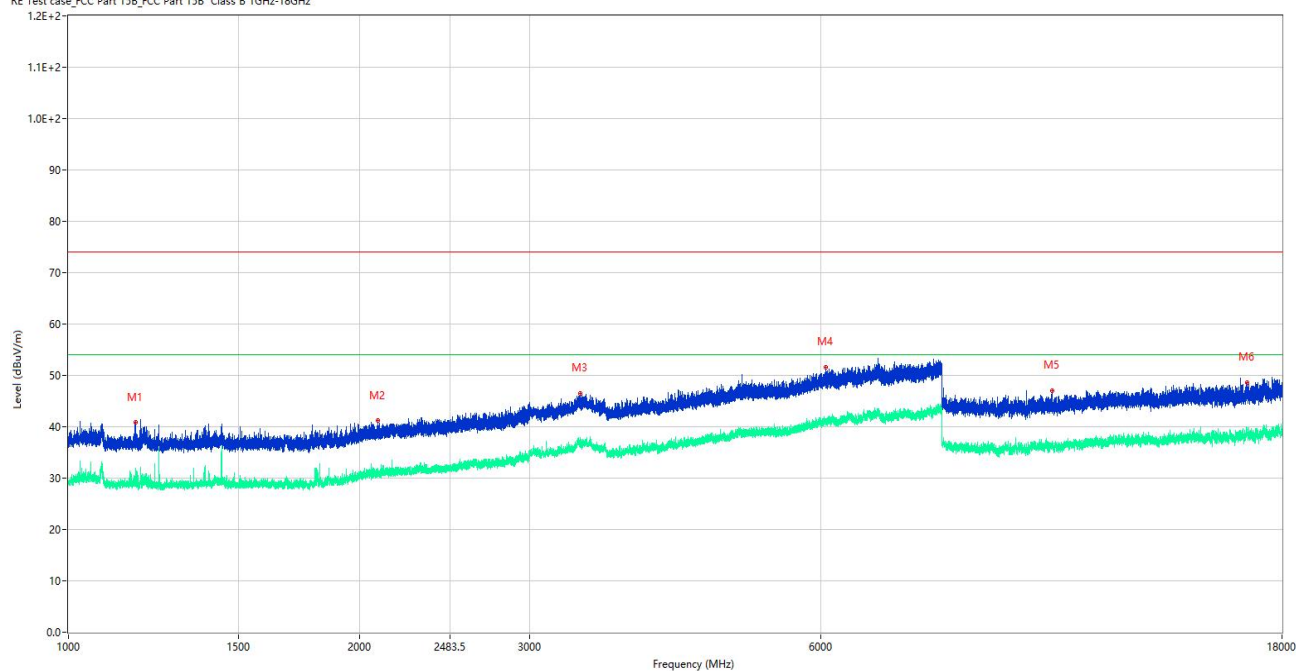
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1388.900	43.88	-15.97	74.0	30.12	Peak	106.00	100	Vertical	Pass
1**	1388.900	30.19	-15.97	54.0	23.81	AV	106.00	100	Vertical	Pass
2	2164.400	44.65	-13.19	74.0	29.35	Peak	294.00	100	Vertical	Pass
2**	2164.400	31.28	-13.19	54.0	22.72	AV	294.00	100	Vertical	Pass
3	3465.750	47.92	-5.14	74.0	26.08	Peak	261.00	100	Vertical	Pass
3**	3465.750	37.32	-5.14	54.0	16.68	AV	261.00	100	Vertical	Pass
4	6271.750	52.69	-0.58	74.0	21.31	Peak	60.00	100	Vertical	Pass
4**	6271.750	40.68	-0.58	54.0	13.32	AV	60.00	100	Vertical	Pass
5	10275.500	45.44	-3.26	74.0	28.56	Peak	0.00	100	Vertical	Pass
5**	10275.500	36.33	-3.26	54.0	17.67	AV	0.00	100	Vertical	Pass
6	16255.000	48.35	-1.46	74.0	25.65	Peak	9.00	100	Vertical	Pass
6**	16255.000	38.56	-1.46	54.0	15.44	AV	9.00	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	1173.100	40.84	-15.59	74.0	33.16	Peak	133.00	100	Horizontal	Pass
1**	1173.100	30.85	-15.59	54.0	23.15	AV	133.00	100	Horizontal	Pass
2	2090.700	41.22	-13.68	74.0	32.78	Peak	77.00	100	Horizontal	Pass
2**	2090.700	30.91	-13.68	54.0	23.09	AV	77.00	100	Horizontal	Pass
3	3383.500	46.47	-5.27	74.0	27.53	Peak	0.00	100	Horizontal	Pass
3**	3383.500	36.28	-5.27	54.0	17.72	AV	0.00	100	Horizontal	Pass
4	6069.000	51.60	-0.40	74.0	22.40	Peak	217.00	100	Horizontal	Pass
4**	6069.000	41.33	-0.40	54.0	12.67	AV	217.00	100	Horizontal	Pass
5	10409.500	46.99	-3.22	74.0	27.01	Peak	321.00	100	Horizontal	Pass
5**	10409.500	36.62	-3.22	54.0	17.38	AV	321.00	100	Horizontal	Pass
6	16569.000	48.60	-0.91	74.0	25.40	Peak	264.00	100	Horizontal	Pass
6**	16569.000	38.76	-0.91	54.0	15.24	AV	264.00	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	/		☒

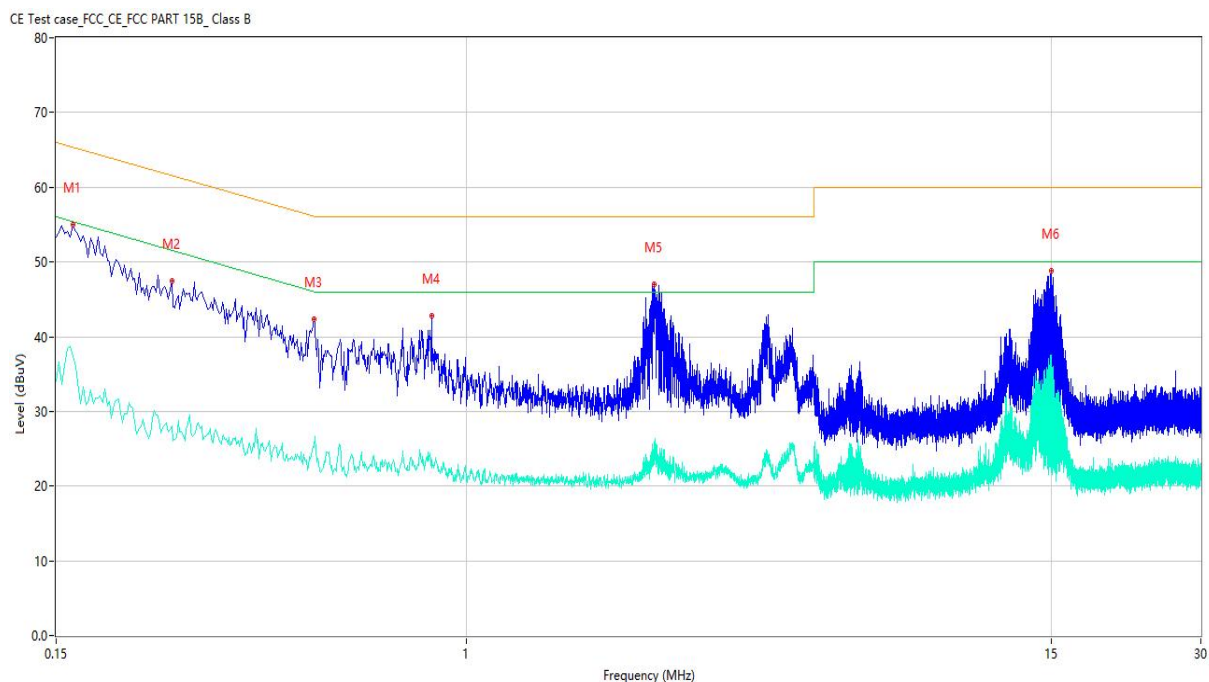
A.2 Conducted emission

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.	CC26010359-001-S10	Temperature	22.8°C
Humidity	44%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Tong Yingying	Test Date	2026.02.02

Test Mode 1

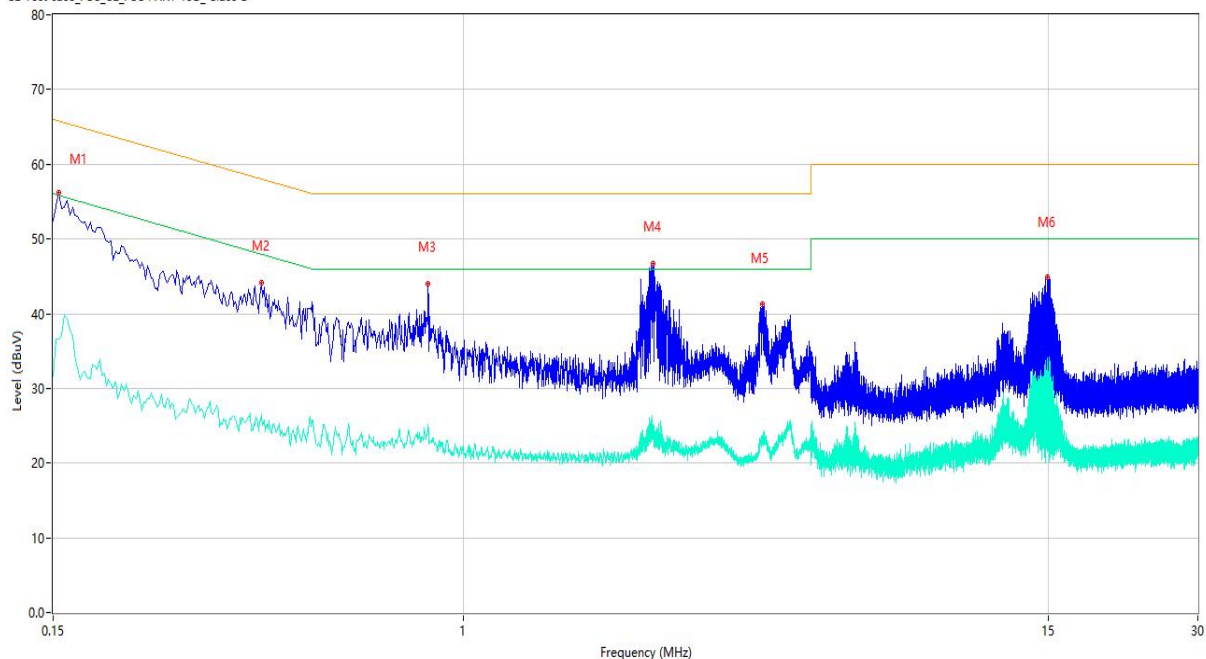
A.2.1 AC ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	55.00	10.07	65.36	10.36	Peak	L	Pass
1**	0.162	37.30	10.07	55.36	18.06	AV	L	Pass
2	0.256	47.48	10.12	61.56	14.08	Peak	L	Pass
2**	0.256	28.06	10.12	51.56	23.50	AV	L	Pass
3	0.494	42.34	10.15	56.10	13.76	Peak	L	Pass
3**	0.494	25.17	10.15	46.10	20.93	AV	L	Pass
4	0.852	42.77	10.20	56.00	13.23	Peak	L	Pass
4**	0.852	23.57	10.20	46.00	22.43	AV	L	Pass
5	2.394	46.98	10.37	56.00	9.02	Peak	L	Pass
5**	2.394	25.91	10.37	46.00	20.09	AV	L	Pass
6	15.046	48.75	11.18	60.00	11.25	Peak	L	Pass
6**	15.046	37.51	11.18	50.00	12.49	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	0.154	56.12	10.15	65.78	9.66	Peak	N	Pass
1**	0.154	36.63	10.15	55.78	19.15	AV	N	Pass
2	0.394	44.10	10.16	57.98	13.88	Peak	N	Pass
2**	0.394	26.48	10.16	47.98	21.50	AV	N	Pass
3	0.850	43.98	10.23	56.00	12.02	Peak	N	Pass
3**	0.850	25.10	10.23	46.00	20.90	AV	N	Pass
4	2.414	46.70	10.27	56.00	9.30	Peak	N	Pass
4**	2.414	25.23	10.27	46.00	20.77	AV	N	Pass
5	4.002	41.33	10.38	56.00	14.67	Peak	N	Pass
5**	4.002	23.37	10.38	46.00	22.63	AV	N	Pass
6	14.956	44.94	11.12	60.00	15.06	Peak	N	Pass
6**	14.956	30.47	11.12	50.00	19.53	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 “Ti-CC26010339-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26010339-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26010339-AI.PDF”.

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--END OF REPORT--