TEST REPORT

Applicant:	TECNO 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:	KN8
Brand Name:	TECNO
FCC ID：	2ADYY-KN8
Test Standard:	47 CFR Part 15 Subpart B ANSI C63.4-2014
Sample Arrival Date:	Dec. 17, 2025
Test Date:	Dec. 19, 2025 - Dec. 20, 2025
Date of Issue:	Jan. 21, 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)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jan. 21, 2026	Initial Issue

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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	TECNO 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	TECNO 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	KN8
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	167.9mm(L) × 79.3mm(W) × 8.37mm(H)
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	TECNO
	Model No.	BL-60AT
	Capacity	6150 mAh
	Rated Voltage	3.92 V
	Limit Charge Voltage	4.53 V
Ancillary Equipment 2	Adapter	
	Brand Name	TECNO
	Model No.	U450TSC
	Serial No.	N/A
	Rated Input	100-240 V~, 1.8 A, 50/60 Hz
	Rated Output	5 V⎓ 3 A 15W or 5-10 V⎓ 4.5 A 45W or 11 V⎓ 4.1 A 45W
Ancillary Equipment 3	USB Cable 1	
	Model No.	N/A
	Length (Approx.)	1.0 m
Ancillary Equipment 4	USB Cable 2	
	Model No.	N/A
	Length (Approx.)	1.0 m
Ancillary Equipment 5	Earphone 1	
	Model No.	N/A
	Length (Approx.)	1.2 m
Ancillary Equipment 6	Earphone 2	
	Model No.	N/A
	Length (Approx.)	1.2 m
Note 1: All USB cables are tested, only the worst data of USB Cable 1 shown in this report. Note 2: All earphones are tested, only the worst data of earphone 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 2/4/5/7/12/13/17/66 LTE TDD Band 38/41/42/43/48 UL CA: CA_5B, CA_7C, CA_38C, CA_41C, CA_66C, CA_B2A-B4A, CA_B2A-B5A, CA_B2A-B7A, CA_B4A-B5A, CA_B4A-B7A, CA_B4A-B17A, CA_B7A-B5A 5G Network SA :n5/n7/n12/n38/n41/n48/n66/n77/n78 NSA(EN-DC):DC_2A-n7A, DC_4A-n7A, DC_5A-n7A, DC_66A-n7A, DC_4A-n38A, DC_5A-n38A, DC_66A-n38A, DC_4A-n41A, DC_5A-n41A, DC_66A-n41A, DC_2A-n66A, DC_5A-n66A, DC_7A-n66A, C_2A-n78A, DC_4A-n78A, DC_5A-n78A, DC_7A-n78A, DC_41A-n78A, DC_66A-n78A, DC_3A-n77A, DC_5A-n77A, DC_7A-n77A, DC_41A-n77A, DC_66A-n77A Bluetooth, 2.4G WIFI, 5G WIFI GPS, GLONASS, BDS, Galileo, SBAS, FM receiver,NFC
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

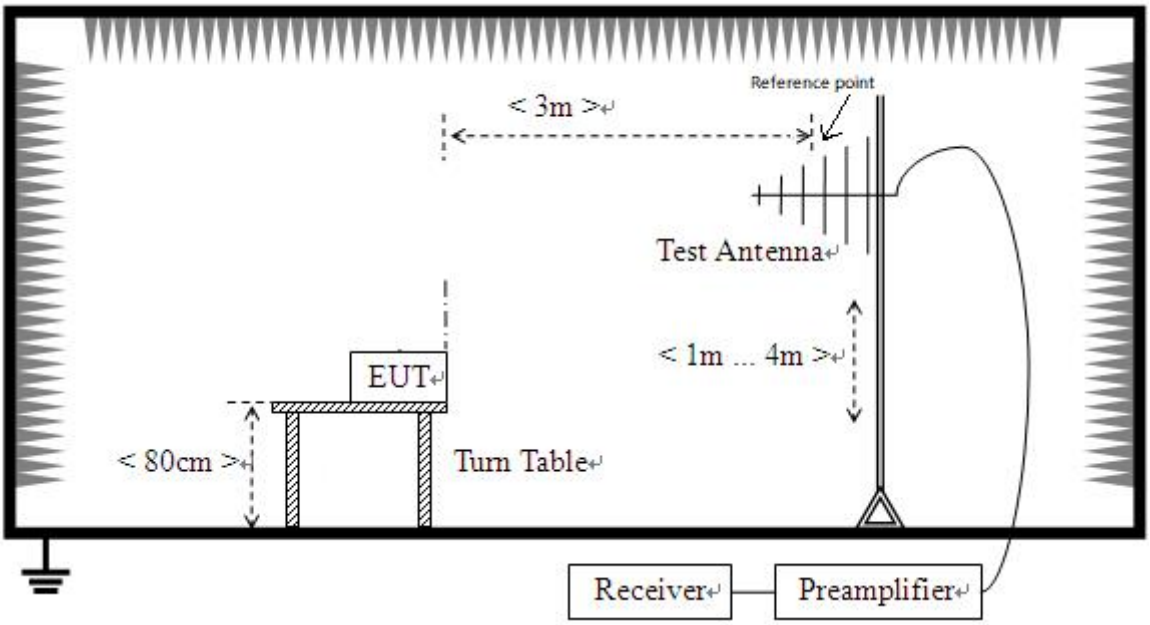
All test modes of EUT are listed in the table below.

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

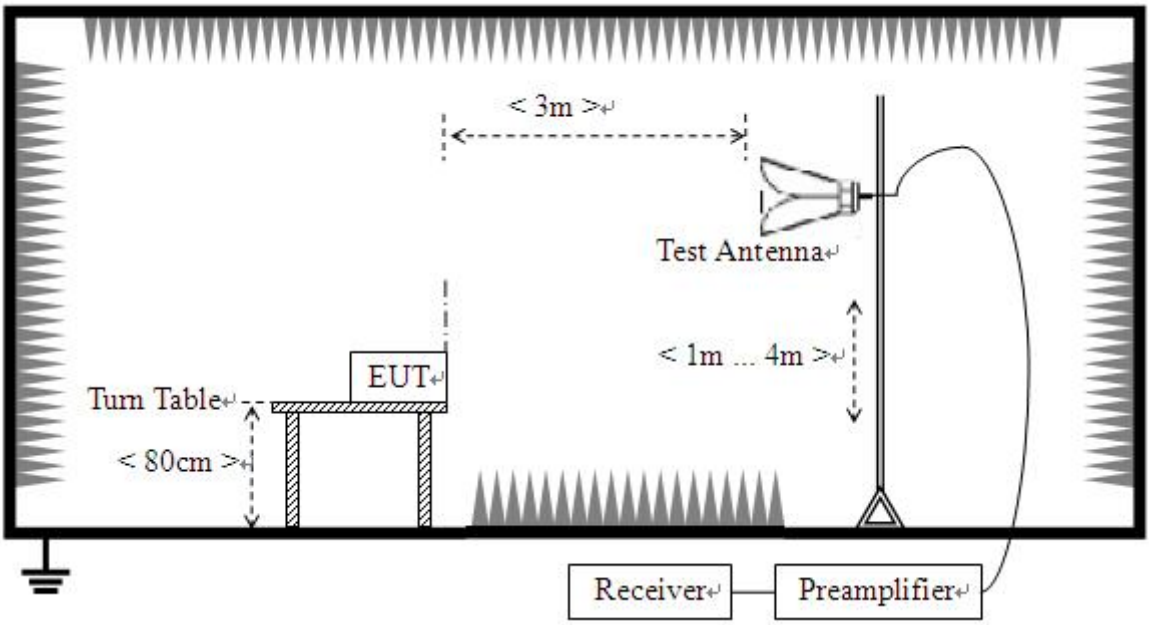
Test Case	Test Mode Configuration	Worst Mode
Radiated emission	Mode 1~Mode 4	1, 4
Conducted emission	Mode 1~Mode 3	1
Note: Based on client request, all normal using modes of the normal function were tested, but only data of the worst mode (if test case has) was reported in this report.		

4.3 Test Setups

Test Setup 1

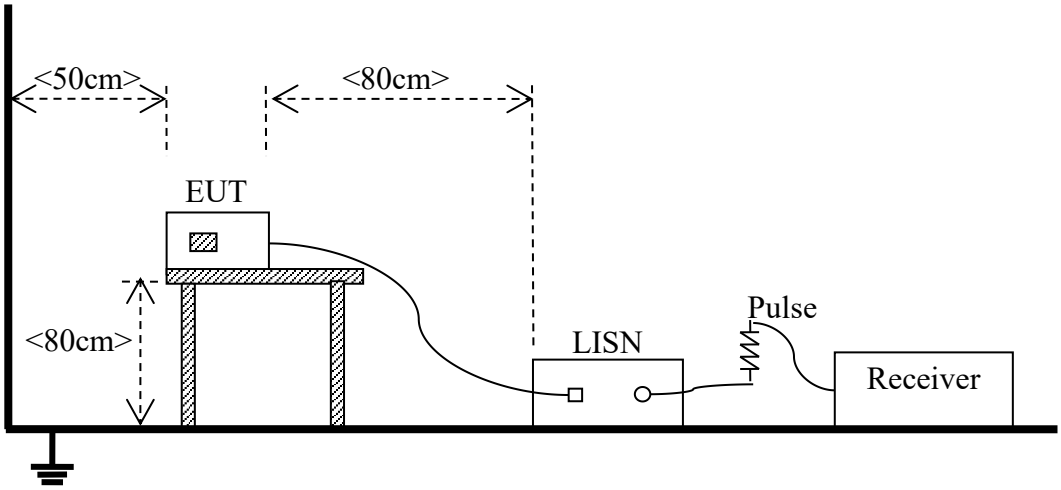


Radiated Emission (30 MHz-1 GHz)



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 (μV/m)	Field Strength (dBμV/m)	Field Strength (dBμV/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 (dBμV/m) = 20*log [Field Strength (μV/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 (μV/m)	Field Strength Average (dBμV/m)	Field Strength Peak (dBμV/m)	Field Strength Average (dBμV/m)	Field Strength Peak (dBμV/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:
$L_{3m} = L_{10m} + 20*\log(d_{10m}/d_{3m})$
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*log(10/3)=60 (dBμV/m).

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq$ 108 MHz	1 GHz
108 MHz $\leq F_X \leq$ 500 MHz	2 GHz
500 MHz $\leq F_X \leq$ 1 GHz	5 GHz
$F_X \geq$ 1 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 ≥ 1 GHz, 100 kHz for f < 1 GHz
   VBW ≥ RBW
   Sweep = auto
   Detector function = peak for f <1 GHz, peak & RMS Average for f ≥ 1 GHz
   Trace = max hold

5.1.1.4 Test result and test equipment list

Please refer to ANNEX A.1.

Note:
1. Results (dBμV/m) = Reading (dBμV/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 (dBμV)	Average (dBμV)	Quasi-peak (dBμV)	Average (dBμV)
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 μH 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 ≥ 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 (dBμV) = Reading (dBμV) + 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

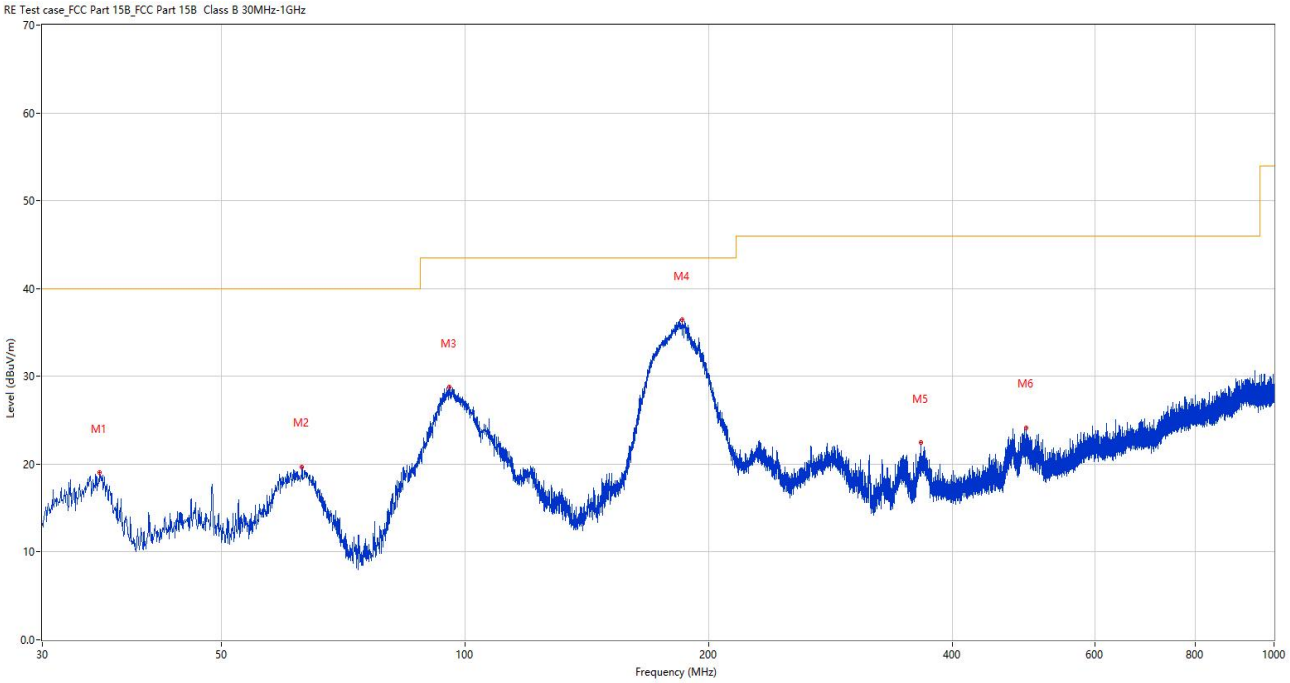
Note 1: Measurements shall be made with a quasi-peak measuring receiver in the frequency range 30 MHz to 1000 MHz. To reduce the testing time, a peak measuring receiver may be used instead of a quasi-peak measuring receiver. In case of dispute, measurement with a quasi-peak measuring receiver will take 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-SH25C0080-S11	Temperature	22.8°C
Humidity	43%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Tong Yingying	Test Date	2025.12.20

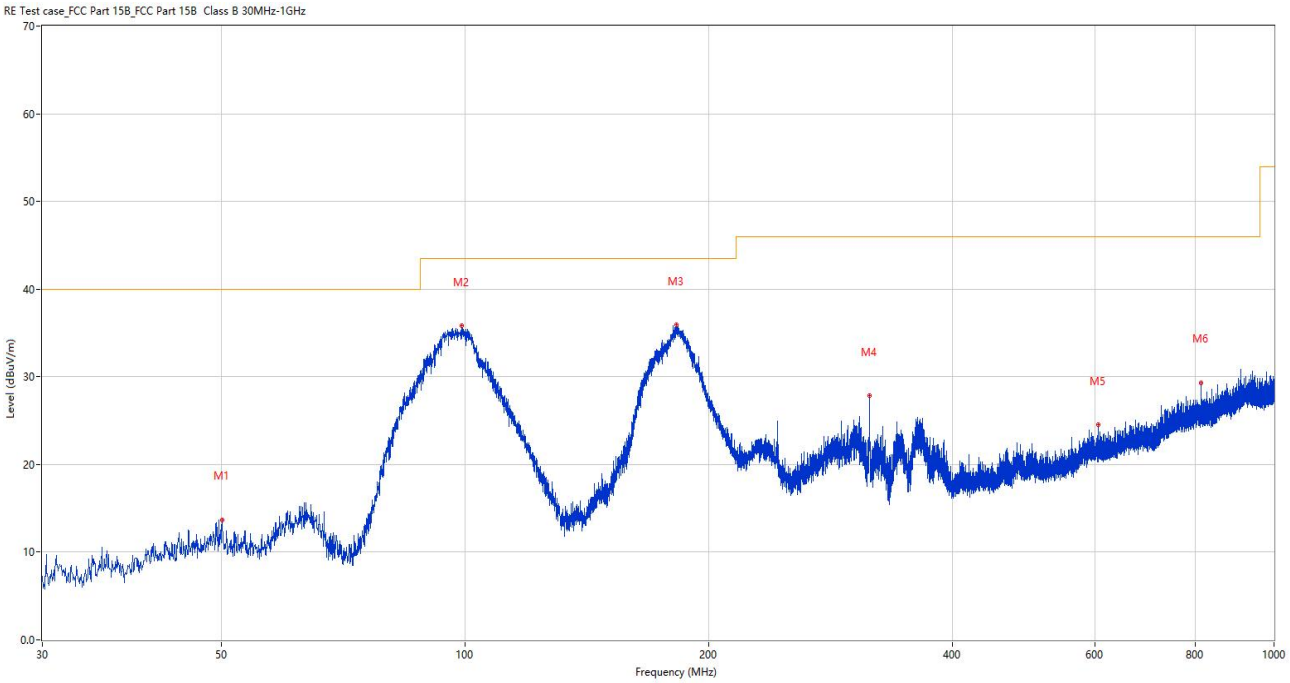
Test Mode 1

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.335	19.04	-28.97	40.0	20.96	Peak	250.00	100	Vertical	Pass
2	62.834	19.72	-27.32	40.0	20.28	Peak	224.00	100	Vertical	Pass
3	95.620	28.74	-27.50	43.5	14.76	Peak	226.00	200	Vertical	Pass
4	185.588	36.47	-27.85	43.5	7.03	Peak	0.00	100	Vertical	Pass
5	365.766	22.46	-22.23	46.0	23.54	Peak	226.00	200	Vertical	Pass
6	493.902	24.17	-18.59	46.0	21.83	Peak	105.00	100	Vertical	Pass

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

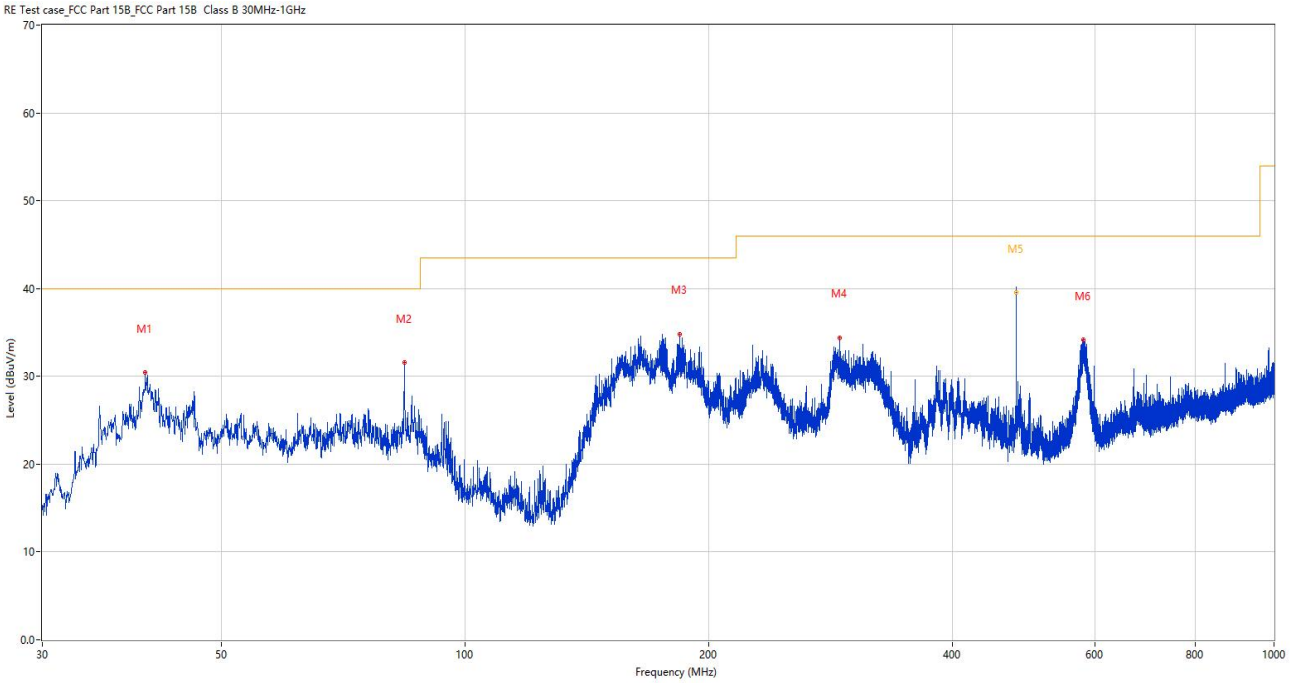


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.031	13.70	-25.70	40.0	26.30	Peak	166.00	100	Horizontal	Pass
2	98.967	35.80	-26.93	43.5	7.70	Peak	285.00	200	Horizontal	Pass
3	182.387	35.91	-28.25	43.5	7.59	Peak	79.00	100	Horizontal	Pass
4	315.907	27.87	-23.60	46.0	18.13	Peak	101.00	100	Horizontal	Pass
5	606.131	24.50	-15.70	46.0	21.50	Peak	0.00	100	Horizontal	Pass
6	812.742	29.33	-11.77	46.0	16.67	Peak	57.00	200	Horizontal	Pass

Sample No.	SC-SH25C0080-S11	Temperature	22.8°C
Humidity	43%RH	Test Voltage	DC 5V From PC
Test Engineer	Tong Yingying	Test Date	2025.12.20

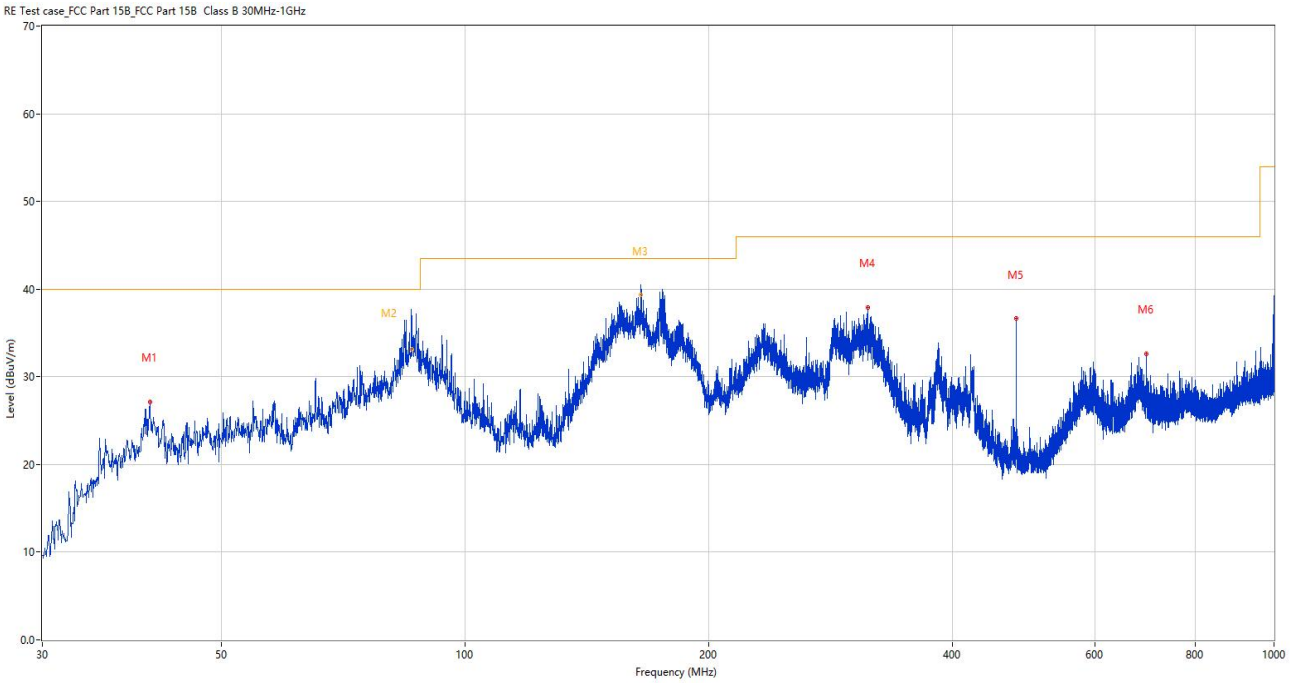
Test Mode 4

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.233	30.41	-27.13	40.0	9.59	Peak	303.00	100	Vertical	Pass
2	84.126	31.56	-31.00	40.0	8.44	Peak	72.00	200	Vertical	Pass
3	184.327	34.84	-28.01	43.5	8.66	Peak	311.00	100	Vertical	Pass
4	290.348	34.41	-24.13	46.0	11.59	Peak	79.00	200	Vertical	Pass
5	479.990	40.88	-19.27	46.0	5.12	Peak	20.00	101	Vertical	N/A
5*	479.990	39.59	-19.27	46.0	6.41	QP	20.00	101	Vertical	Pass
6	581.785	34.12	-16.15	46.0	11.88	Peak	274.00	100	Vertical	Pass

A.1.4 Test Antenna Horizontal, 30 MHz – 1 GHz



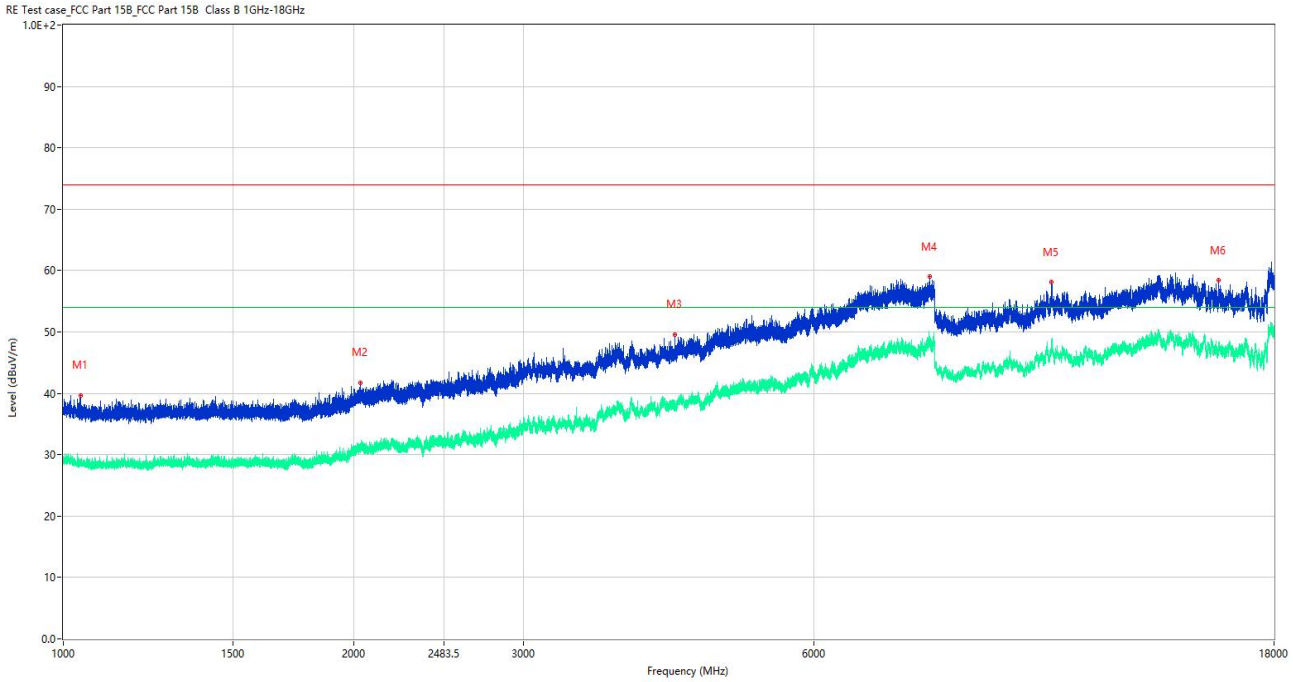
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.767	27.16	-26.97	40.0	12.84	Peak	222.00	200	Horizontal	Pass
2	85.882	39.41	-30.45	40.0	0.59	Peak	340.00	199	Horizontal	N/A
2*	85.882	33.15	-30.45	40.0	6.85	QP	340.00	199	Horizontal	Pass
3	164.707	42.76	-29.29	43.5	0.74	Peak	337.00	147	Horizontal	N/A
3*	164.707	39.38	-29.29	43.5	4.12	QP	337.00	147	Horizontal	Pass
4	314.598	37.86	-23.62	46.0	8.14	Peak	283.00	100	Horizontal	Pass
5	479.983	36.67	-19.27	46.0	9.33	Peak	160.00	100	Horizontal	Pass
6	696.002	32.65	-14.49	46.0	13.35	Peak	268.00	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-SH25C0080-S11	Temperature	20.7°C
Humidity	40%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Tong Yingying	Test Date	2025.12.19

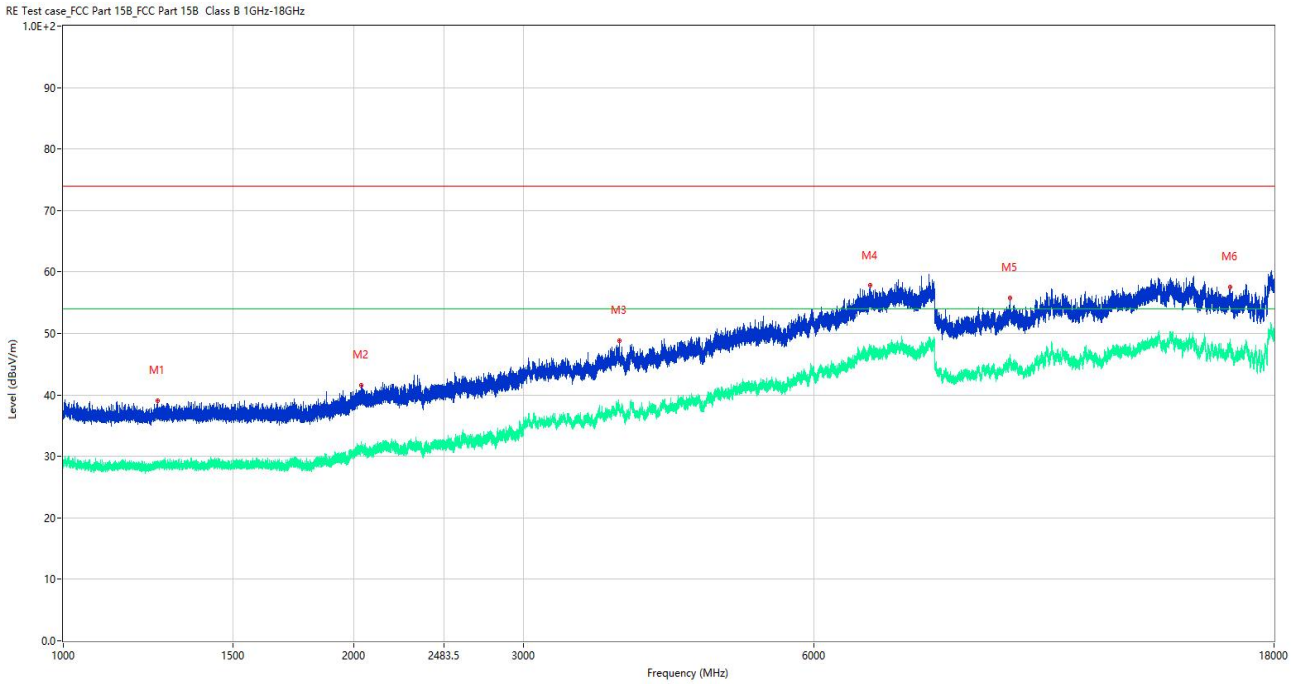
Test Mode 1

A.1.5 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	1041.400	39.66	-15.52	74.0	34.34	Peak	197.00	100	Vertical	Pass
1**	1041.400	28.86	-15.52	54.0	25.14	AV	197.00	100	Vertical	Pass
2	2032.400	41.69	-13.69	74.0	32.31	Peak	134.00	100	Vertical	Pass
2**	2032.400	31.66	-13.69	54.0	22.34	AV	134.00	100	Vertical	Pass
3	4308.750	49.55	-2.90	74.0	24.45	Peak	22.00	100	Vertical	Pass
3**	4308.750	38.37	-2.90	54.0	15.63	AV	22.00	100	Vertical	Pass
4	7919.500	58.96	6.87	74.0	15.04	Peak	204.00	100	Vertical	Pass
4**	7919.500	47.92	6.87	54.0	6.08	AV	204.00	100	Vertical	Pass
5	10582.500	58.07	4.76	74.0	15.93	Peak	302.00	100	Vertical	Pass
5**	10582.500	47.63	4.76	54.0	6.37	AV	302.00	100	Vertical	Pass
6	15779.500	58.47	6.40	74.0	15.53	Peak	135.00	100	Vertical	Pass
6**	15779.500	47.99	6.40	54.0	6.01	AV	135.00	100	Vertical	Pass

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

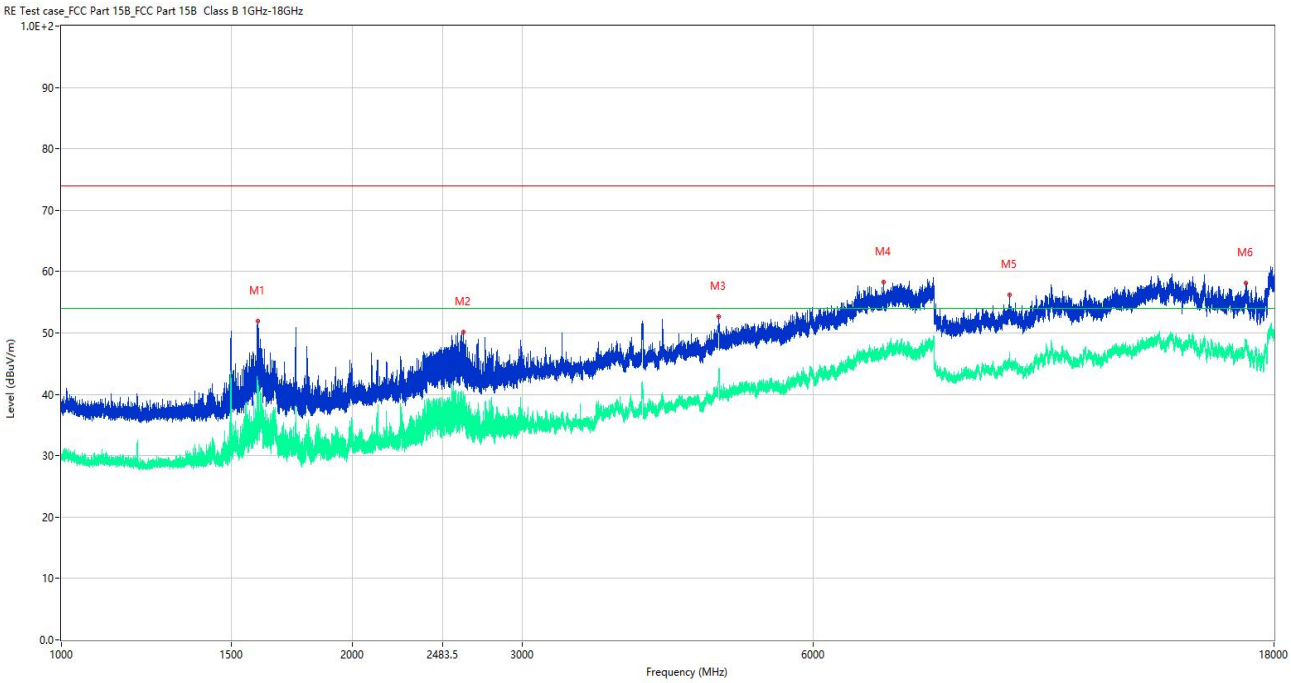


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1251.700	39.11	-15.90	74.0	34.89	Peak	196.00	100	Horizontal	Pass
1**	1251.700	28.76	-15.90	54.0	25.24	AV	196.00	100	Horizontal	Pass
2	2037.300	41.55	-13.52	74.0	32.45	Peak	111.00	100	Horizontal	Pass
2**	2037.300	30.92	-13.52	54.0	23.08	AV	111.00	100	Horizontal	Pass
3	3769.750	48.79	-3.38	74.0	25.21	Peak	170.00	100	Horizontal	Pass
3**	3769.750	38.04	-3.38	54.0	15.96	AV	170.00	100	Horizontal	Pass
4	6865.000	57.83	4.69	74.0	16.17	Peak	336.00	100	Horizontal	Pass
4**	6865.000	47.51	4.69	54.0	6.49	AV	336.00	100	Horizontal	Pass
5	9584.000	55.72	3.07	74.0	18.28	Peak	205.00	100	Horizontal	Pass
5**	9584.000	45.86	3.07	54.0	8.14	AV	205.00	100	Horizontal	Pass
6	16197.500	57.55	6.37	74.0	16.45	Peak	114.00	100	Horizontal	Pass
6**	16197.500	47.72	6.37	54.0	6.28	AV	114.00	100	Horizontal	Pass

Sample No.	SC-SH25C0080-S11	Temperature	20.7°C
Humidity	40%RH	Test Voltage	DC 5V From PC
Test Engineer	Tong Yingying	Test Date	2025.12.19

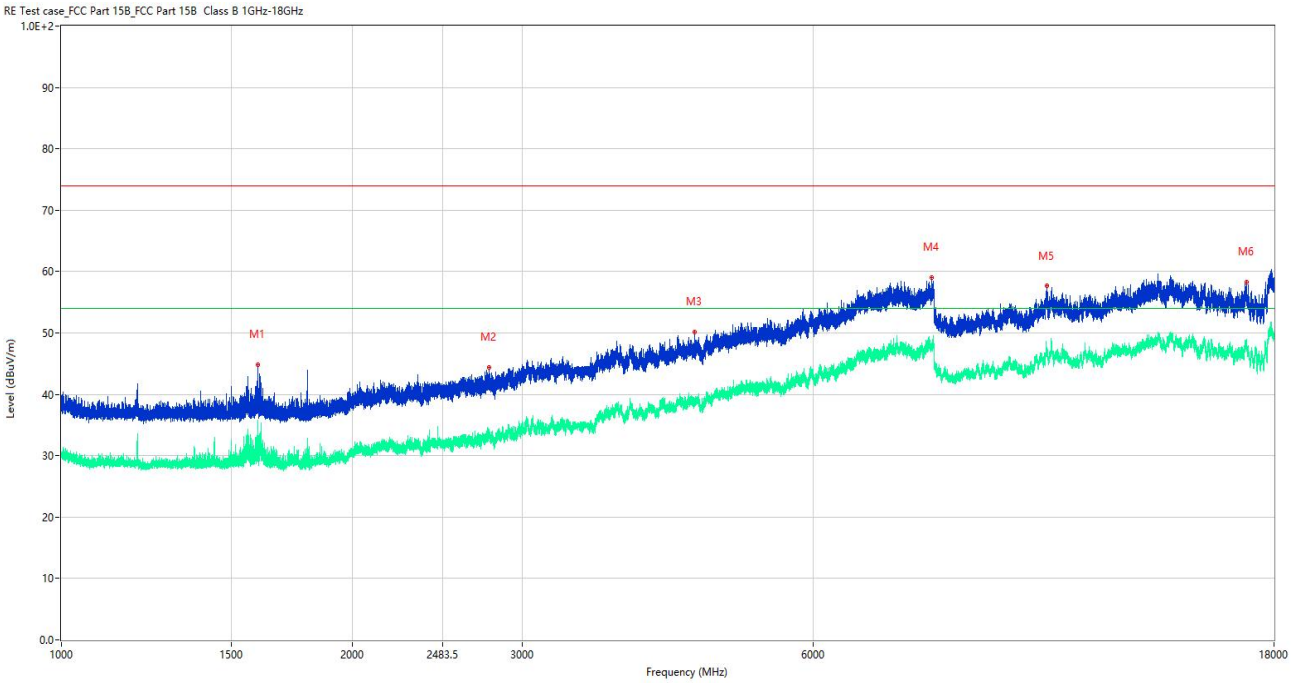
Test Mode 4

A.1.7 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	1598.700	51.89	-16.19	74.0	22.11	Peak	167.00	100	Vertical	Pass
1**	1598.700	36.14	-16.19	54.0	17.86	AV	167.00	100	Vertical	Pass
2	2606.700	50.11	-10.23	74.0	23.89	Peak	190.00	100	Vertical	Pass
2**	2606.700	37.11	-10.23	54.0	16.89	AV	190.00	100	Vertical	Pass
3	4789.500	52.64	-1.28	74.0	21.36	Peak	123.00	100	Vertical	Pass
3**	4789.500	42.58	-1.28	54.0	11.42	AV	123.00	100	Vertical	Pass
4	7093.500	58.24	5.23	74.0	15.76	Peak	0.00	100	Vertical	Pass
4**	7093.500	47.18	5.23	54.0	6.82	AV	0.00	100	Vertical	Pass
5	9590.000	56.16	3.01	74.0	17.84	Peak	276.00	100	Vertical	Pass
5**	9590.000	45.33	3.01	54.0	8.67	AV	276.00	100	Vertical	Pass
6	16833.000	58.16	6.82	74.0	15.84	Peak	255.00	100	Vertical	Pass
6**	16833.000	47.90	6.82	54.0	6.10	AV	255.00	100	Vertical	Pass

A.1.8 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	1596.900	44.85	-16.16	74.0	29.15	Peak	69.00	100	Horizontal	Pass
1**	1596.900	30.67	-16.16	54.0	23.33	AV	69.00	100	Horizontal	Pass
2	2769.300	44.33	-9.56	74.0	29.67	Peak	294.00	100	Horizontal	Pass
2**	2769.300	33.23	-9.56	54.0	20.77	AV	294.00	100	Horizontal	Pass
3	4521.500	50.13	-2.62	74.0	23.87	Peak	360.00	100	Horizontal	Pass
3**	4521.500	38.44	-2.62	54.0	15.56	AV	360.00	100	Horizontal	Pass
4	7958.750	58.98	6.94	74.0	15.02	Peak	236.00	100	Horizontal	Pass
4**	7958.750	47.77	6.94	54.0	6.23	AV	236.00	100	Horizontal	Pass
5	10467.500	57.62	4.03	74.0	16.38	Peak	96.00	100	Horizontal	Pass
5**	10467.500	46.96	4.03	54.0	7.04	AV	96.00	100	Horizontal	Pass
6	16852.000	58.21	6.96	74.0	15.79	Peak	359.00	100	Horizontal	Pass
6**	16852.000	47.97	6.96	54.0	6.03	AV	359.00	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	/		☒

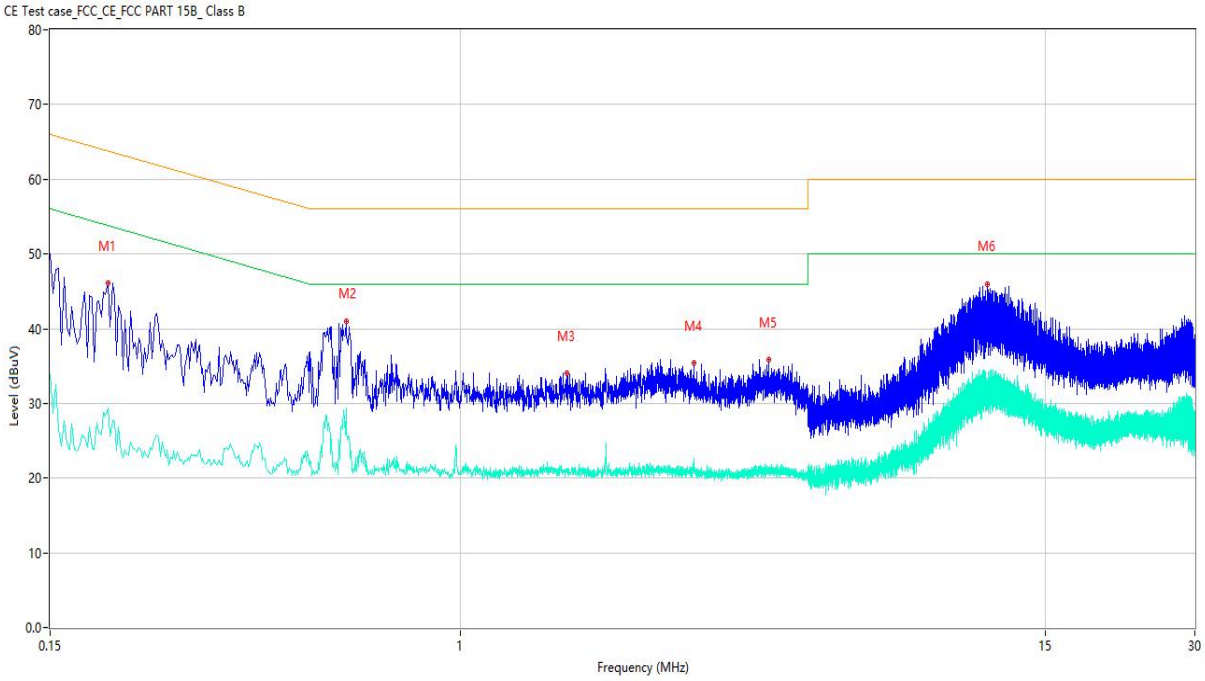
A.2 Conducted emission

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-SH25C0080-S11	Temperature	22.3°C
Humidity	45%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Tong Yingying	Test Date	2025.12.19

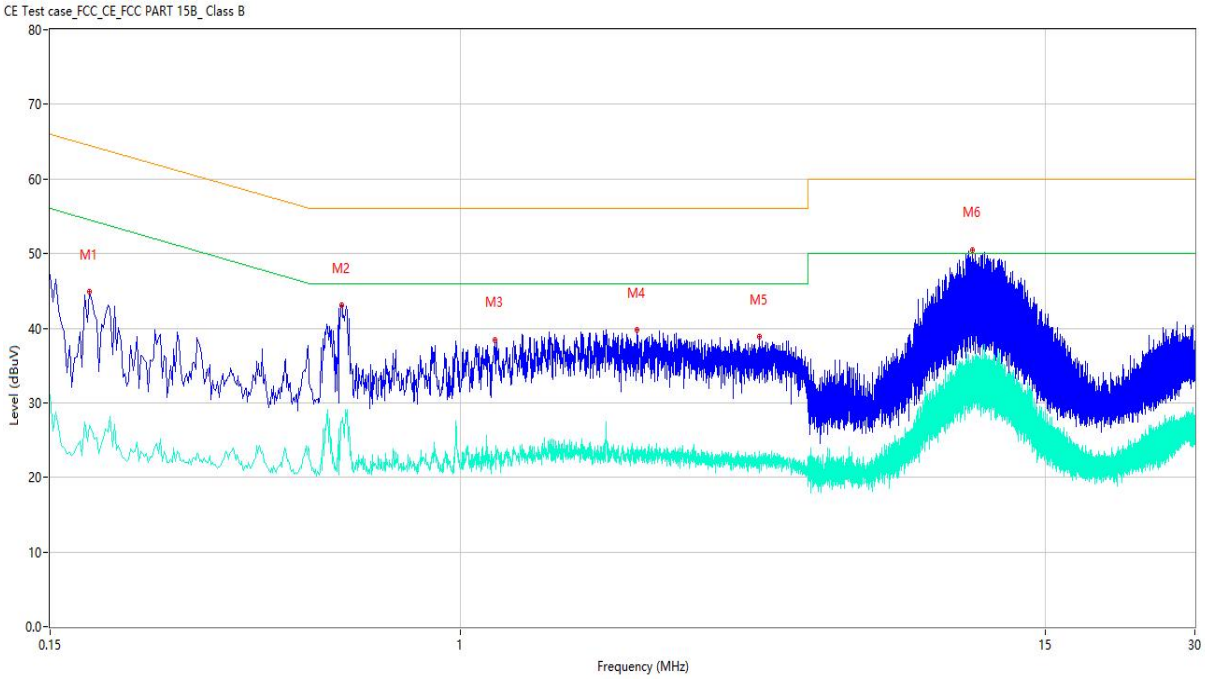
Test Mode 1

A.2.1 AC ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.196	46.14	10.11	63.78	17.64	Peak	L	Pass
1**	0.196	29.36	10.11	53.78	24.42	AV	L	Pass
2	0.590	40.95	10.19	56.00	15.05	Peak	L	Pass
2**	0.590	29.41	10.19	46.00	16.59	AV	L	Pass
3	1.638	34.05	10.29	56.00	21.95	Peak	L	Pass
3**	1.638	21.01	10.29	46.00	24.99	AV	L	Pass
4	2.950	35.43	10.38	56.00	20.57	Peak	L	Pass
4**	2.950	22.53	10.38	46.00	23.47	AV	L	Pass
5	4.166	35.87	10.42	56.00	20.13	Peak	L	Pass
5**	4.166	21.42	10.42	46.00	24.58	AV	L	Pass
6	11.502	46.01	11.01	60.00	13.99	Peak	L	Pass
6**	11.502	32.88	11.01	50.00	17.12	AV	L	Pass

A.2.2 AC ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.180	44.84	10.15	64.49	19.65	Peak	N	Pass
1**	0.180	26.99	10.15	54.49	27.50	AV	N	Pass
2	0.578	43.11	10.19	56.00	12.89	Peak	N	Pass
2**	0.578	27.50	10.19	46.00	18.50	AV	N	Pass
3	1.174	38.47	10.25	56.00	17.53	Peak	N	Pass
3**	1.174	23.04	10.25	46.00	22.96	AV	N	Pass
4	2.264	39.83	10.26	56.00	16.17	Peak	N	Pass
4**	2.264	24.16	10.26	46.00	21.84	AV	N	Pass
5	4.002	38.88	10.38	56.00	17.12	Peak	N	Pass
5**	4.002	23.39	10.38	46.00	22.61	AV	N	Pass
6	10.710	50.54	10.97	60.00	9.46	Peak	N	Pass
6**	10.710	35.11	10.97	50.00	14.89	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-SH25C1427-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH25C1427-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH25C1427-AI.PDF”.

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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--