

TEST REPORT

Applicant: TOUCH DYNAMIC INC.
Address: 121 Corporate Blvd, South Plainfield, NJ 07080, USA
Equipment Type: QuestGamingTablet
Model Name: QuestGamingTablet
Brand Name: TOUCH_DYNAMIC
FCC ID: 2BMQJ-QUESTBINGO10
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Sep. 13, 2024
Test Date: Sep. 18, 2024 - Sep. 19, 2024
Date of Issue: Jan. 08, 2025

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center



Tested by: Chai Yong

Chai Yong

Checked by: Huang Chengkun

Huang Chengkun

Approved by: Chen Zidong
(Technical Director)

Chen Zidong

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jan. 08, 2025</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	1st to 2nd floors, Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1st to 2nd floors, Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai
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	TOUCH DYNAMIC INC.
Address	121 Corporate Blvd, South Plainfield, NJ 07080, USA

2.2 Manufacturer Information

Manufacturer	TOUCH DYNAMIC INC.
Address	121 Corporate Blvd, South Plainfield, NJ 07080, USA

2.3 General Description for Equipment under Test (EUT)

Equipment Type	QuestGamingTablet
Model Name Under Test	QuestGamingTablet
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	V1.0
Software Version	S0461_TOUCH_DYNAMIC_COMBO_20240821
Dimensions (Approx.)	332.9 mm(L) × 180.9 mm(W) × 21.2 mm(H)
Weight (Approx.)	1.23kg

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	S0461
	Serial No.	N/A
	Capacity	12000 mAh
	Rated Voltage	3.85 V
	Limit Charge Voltage	4.40 V

2.5 Technical Information

Network and wireless connectivity	Bluetooth, 2.4G WIFI, 5G WIFI, 6G WIFI 5.8G SRD
Classification of equipment	Class B
The Highest internal frequency of EUT	7125 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#2	4.4 dB
Radiated emissions (1 GHz-18 GHz) -966#2	5.2 dB
Radiated emissions (18 GHz-40 GHz) -966#2	5.5 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	DELL	Vostro14-3400	N/A	N/A	N/A	☒
Adapter	N/A	N/A	N/A	N/A	N/A	☒
USB Cable	N/A	N/A	N/A	N/A	N/A	☒
Earphone	N/A	N/A	N/A	N/A	N/A	☒

4.2 Test Configurations

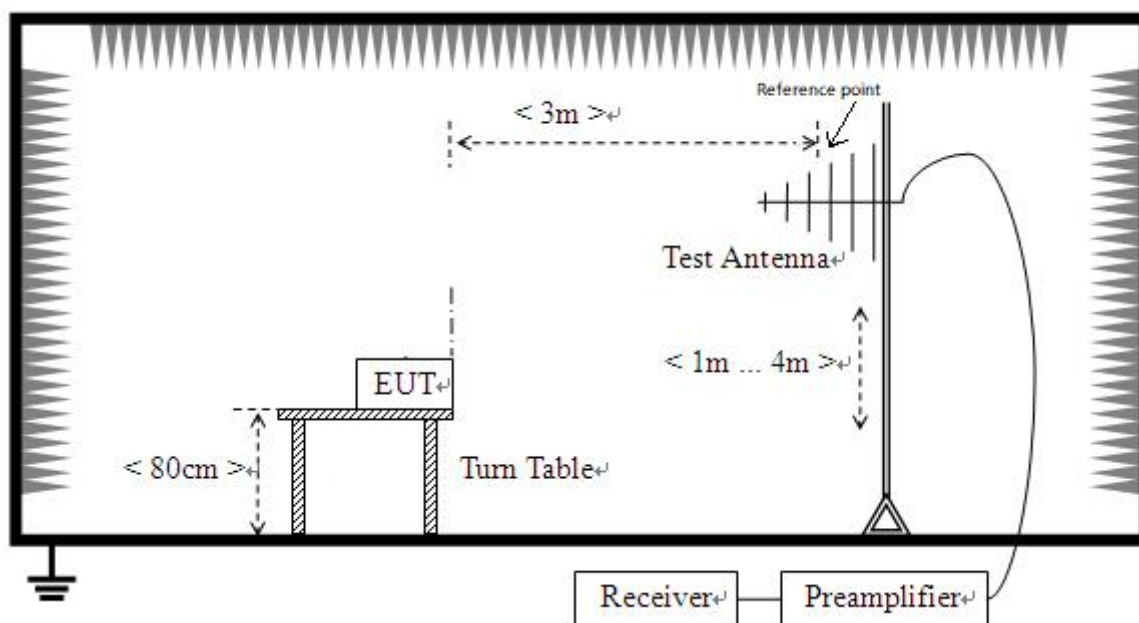
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + Earphone
Mode 2	<u>The USB Test Mode</u> EUT + laptop + USB Cable + Battery + Earphone

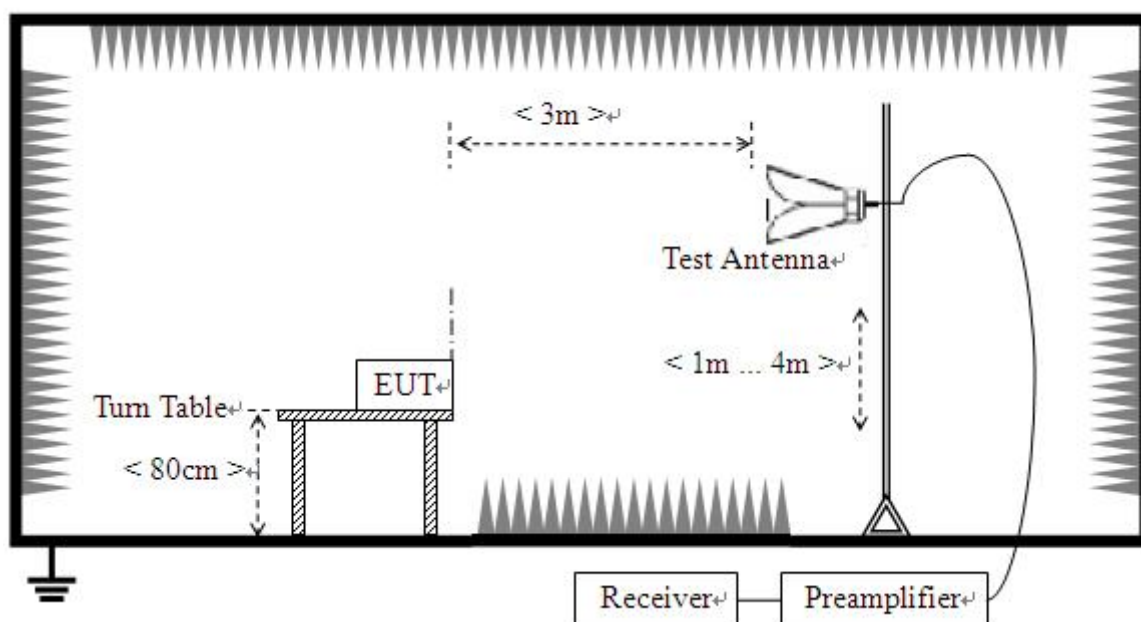
Test Case	Test Mode Configuration	Worst Mode
Radiated emission	Mode 1~Mode 2	1,2
Conducted emission	Mode 1	1

4.3 Test Setups

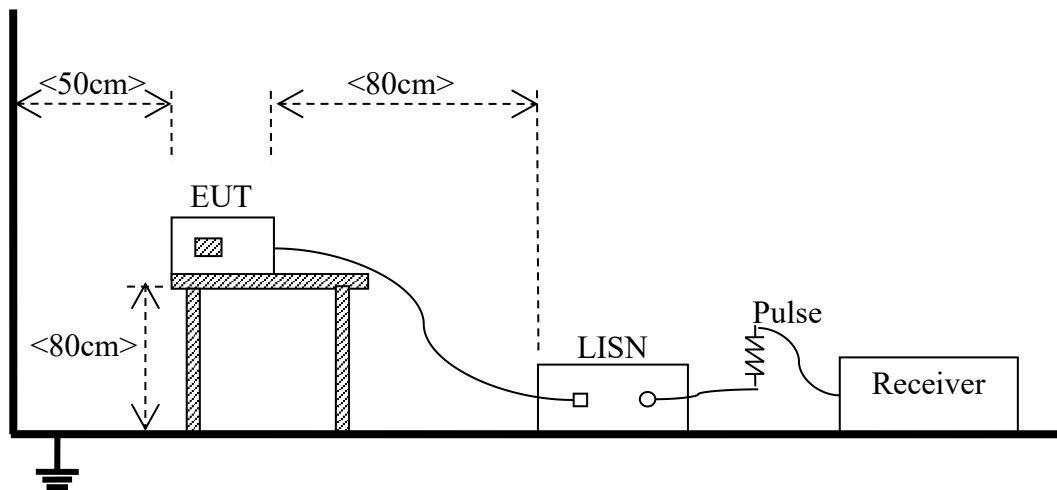
Test Setup 1



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.	

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:

$$1. \text{ Results (dB}\mu\text{V/m)} = \text{Reading (dB}\mu\text{V/m)} + \text{Factor (dB/m)}$$

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

$$2. \text{ Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Factor (dB)} - \text{Amplifier Gain (dB)}$$

$$3. \text{ Margin} = \text{Limit} - \text{Results}$$

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.

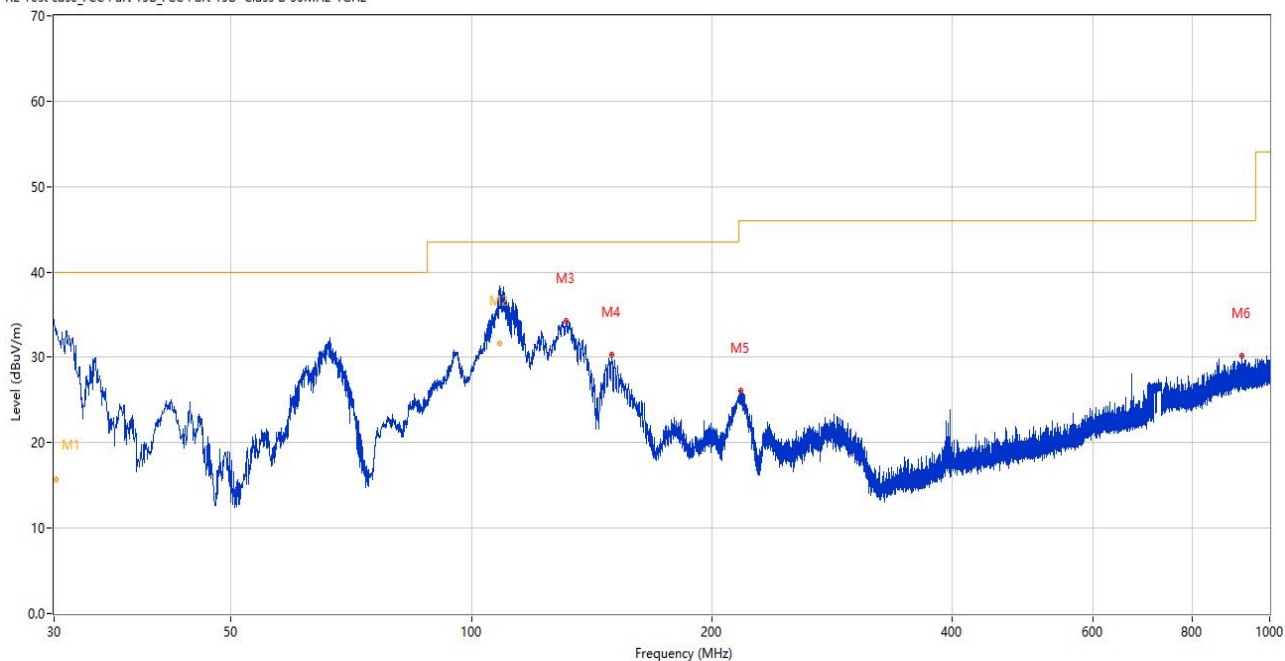
Note 2: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	SC-SH2490028-S10	Temperature	23.3°C
Humidity	58%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Liu Yabo	Test Date	2024.09.18

Test Mode 1

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

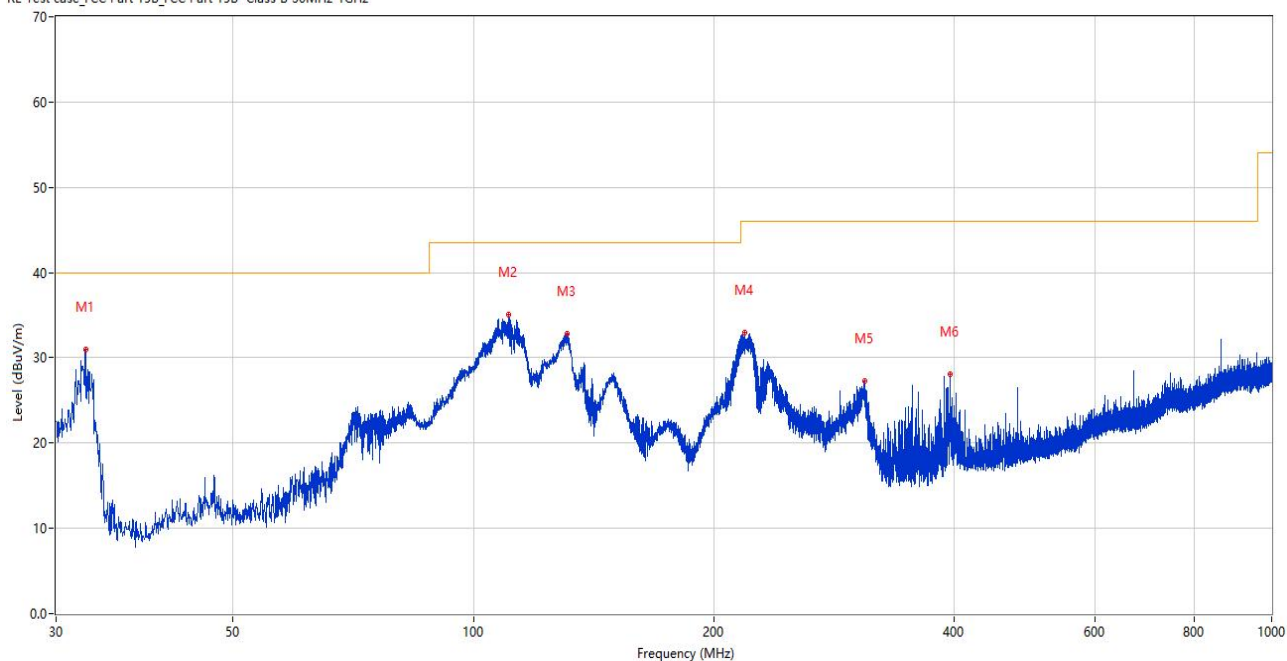
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.130	20.81	-28.96	40.0	19.19	Peak	166.00	102	Vertical	N/A
1*	30.130	15.63	-28.96	40.0	24.37	QP	166.00	102	Vertical	Pass
2	108.410	35.92	-26.70	43.5	7.58	Peak	0.00	110	Vertical	N/A
2*	108.410	31.64	-26.70	43.5	11.86	QP	0.00	110	Vertical	Pass
3	131.559	34.33	-29.33	43.5	9.17	Peak	292.00	100	Vertical	Pass
4	149.892	30.33	-29.84	43.5	13.17	Peak	243.00	100	Vertical	Pass
5	217.646	26.17	-26.20	46.0	19.83	Peak	337.00	200	Vertical	Pass
6	922.594	30.20	-9.83	46.0	15.80	Peak	151.00	200	Vertical	Pass

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

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

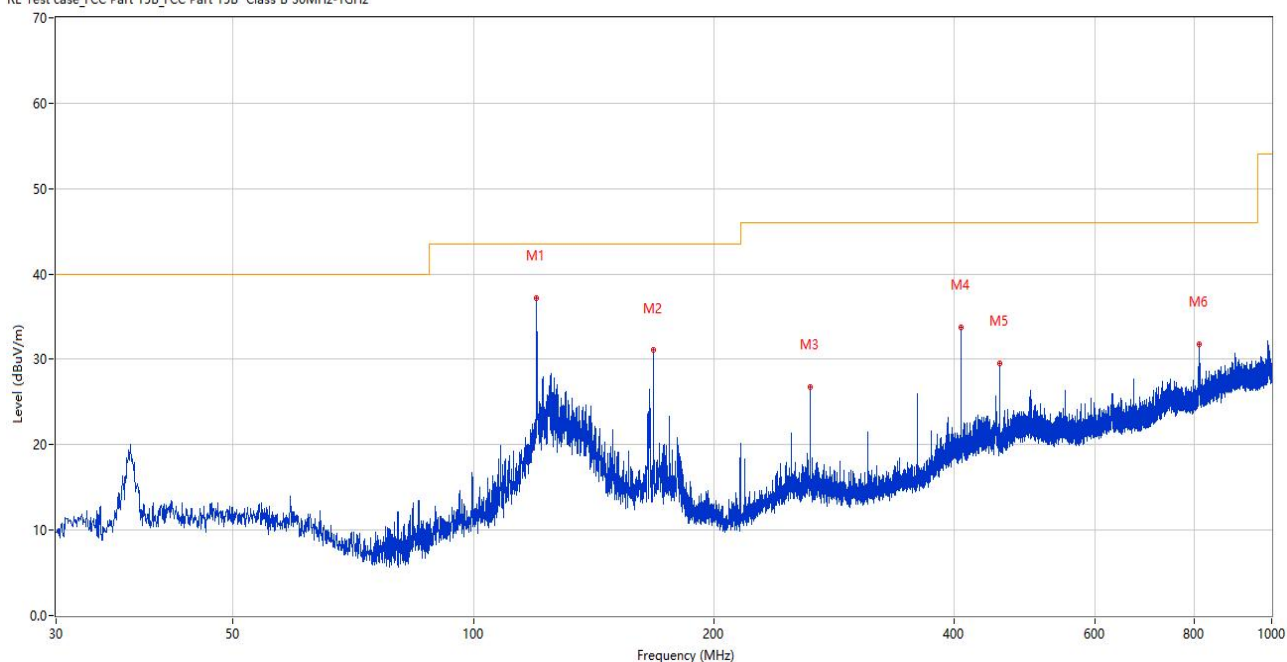


No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	32.667	30.96	-28.59	40.0	9.04	Peak	316.00	100	Horizontal	Pass
2	110.559	35.10	-26.84	43.5	8.40	Peak	141.00	200	Horizontal	Pass
3	131.025	32.80	-29.31	43.5	10.70	Peak	284.00	200	Horizontal	Pass
4	218.568	32.93	-26.12	46.0	13.07	Peak	107.00	100	Horizontal	Pass
5	309.021	27.32	-23.46	46.0	18.68	Peak	71.00	100	Horizontal	Pass
6	395.108	28.07	-20.96	46.0	17.93	Peak	133.00	200	Horizontal	Pass

Test Mode 2

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

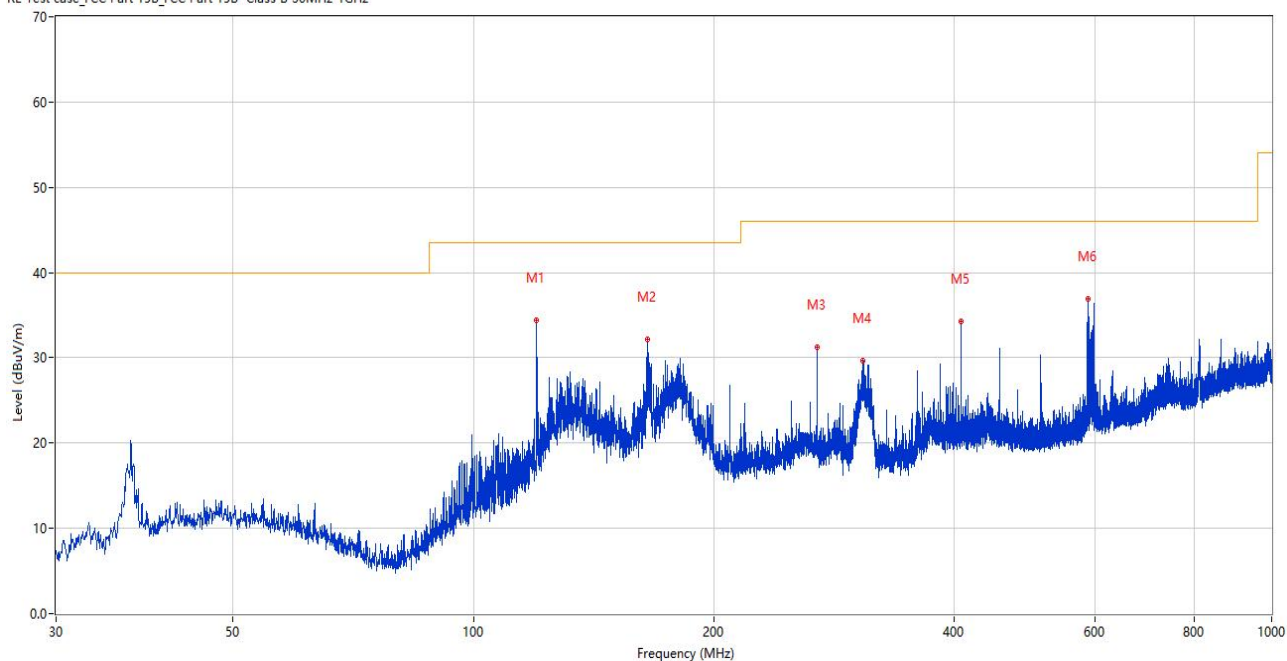
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	120.016	37.13	-28.36	43.5	6.37	Peak	0.00	100	Vertical	Pass
2	167.982	31.05	-28.66	43.5	12.45	Peak	343.00	100	Vertical	Pass
3	264.013	24.84	-24.55	46.0	21.16	Peak	151.00	100	Vertical	Pass
4	408.009	33.73	-20.65	46.0	12.27	Peak	37.00	100	Vertical	Pass
5	455.975	28.55	-19.81	46.0	17.45	Peak	0.00	100	Vertical	Pass
6	811.917	31.81	-12.14	46.0	14.19	Peak	196.00	200	Vertical	Pass

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

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	120.016	34.45	-28.36	43.5	9.05	Peak	87.00	200	Horizontal	Pass
2	165.266	32.19	-28.75	43.5	11.31	Peak	121.00	100	Horizontal	Pass
3	269.736	31.29	-24.49	46.0	14.71	Peak	102.00	100	Horizontal	Pass
4	307.857	29.65	-23.52	46.0	16.35	Peak	194.00	100	Horizontal	Pass
5	408.009	34.24	-20.65	46.0	11.76	Peak	106.00	200	Horizontal	Pass
6	589.011	36.89	-15.93	46.0	9.11	Peak	78.00	100	Horizontal	Pass

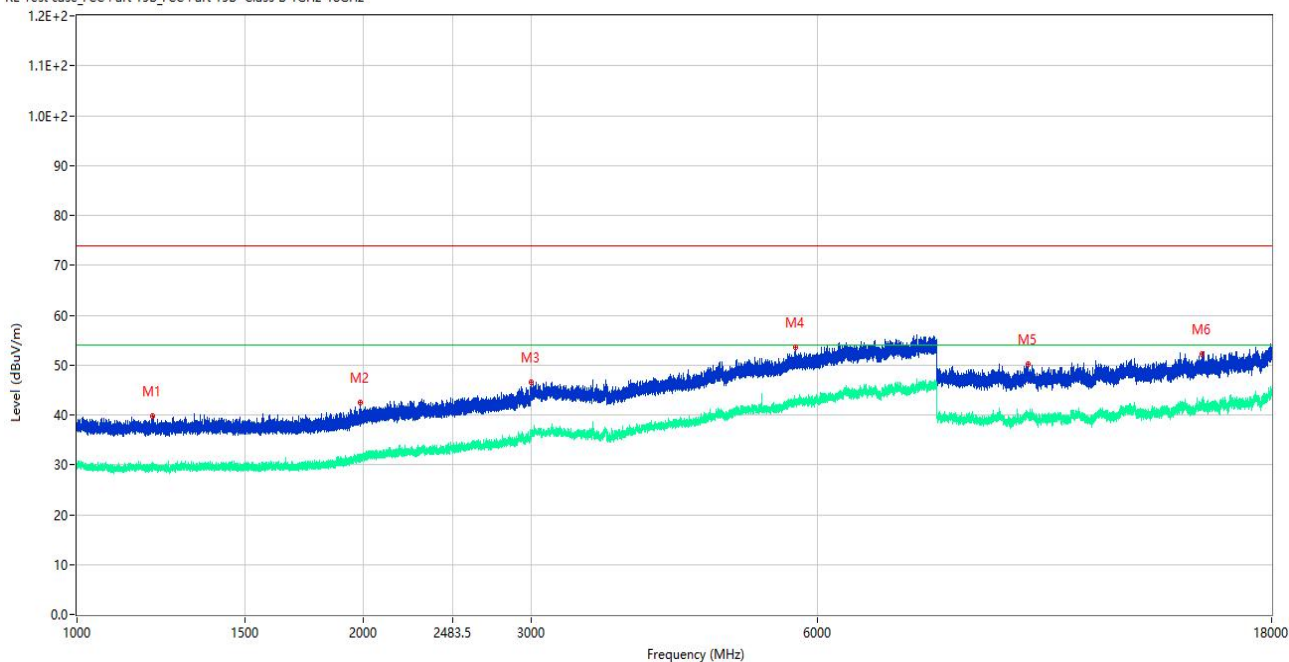
Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L015	2024.07.09	2025.07.08	☒
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	BH-EMC-L008	2024.03.11	2027.03.10	☒
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L117	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

Sample No.	SC-SH2490028-S10	Temperature	23.3°C
Humidity	58%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Liu Yabo	Test Date	2024.09.18

Test Mode 1

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

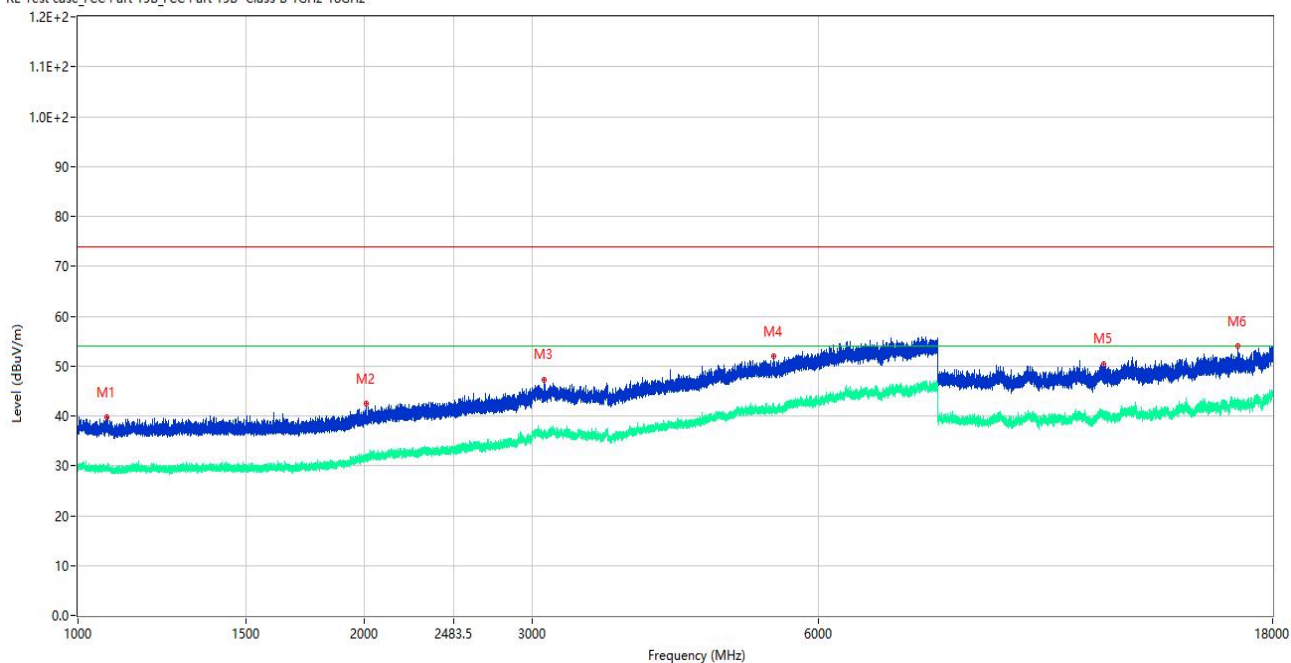
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.100	39.83	-14.84	74.0	34.17	Peak	360.00	100	Vertical	Pass
1**	1199.100	29.21	-14.84	54.0	24.79	AV	360.00	100	Vertical	Pass
2	1985.100	42.50	-13.61	74.0	31.50	Peak	355.00	100	Vertical	Pass
2**	1985.100	30.88	-13.61	54.0	23.12	AV	355.00	100	Vertical	Pass
3	3003.250	46.60	-6.68	74.0	27.40	Peak	0.00	100	Vertical	Pass
3**	3003.250	35.93	-6.68	54.0	18.07	AV	0.00	100	Vertical	Pass
4	5691.250	53.57	-0.23	74.0	20.43	Peak	268.00	100	Vertical	Pass
4**	5691.250	42.10	-0.23	54.0	11.90	AV	268.00	100	Vertical	Pass
5	9985.000	50.17	-0.67	74.0	23.83	Peak	322.00	100	Vertical	Pass
5**	9985.000	40.00	-0.67	54.0	14.00	AV	322.00	100	Vertical	Pass
6	15218.500	52.29	1.82	74.0	21.71	Peak	360.00	100	Vertical	Pass
6**	15218.500	43.12	1.82	54.0	10.88	AV	360.00	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

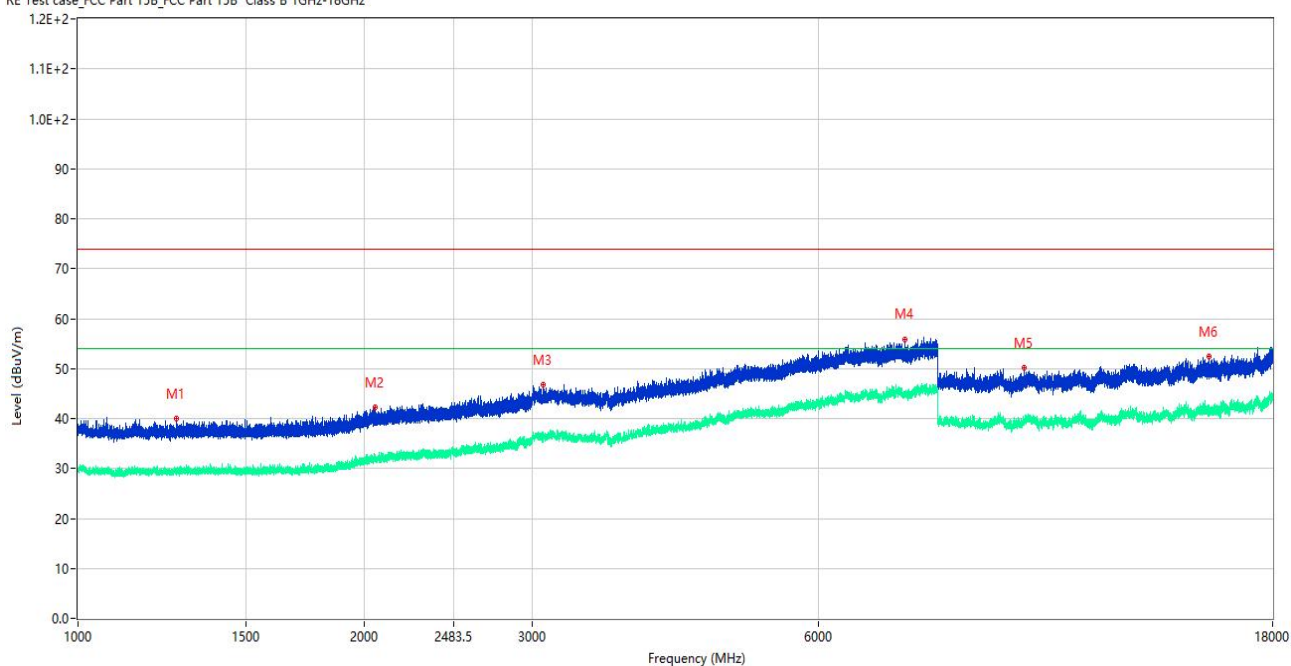


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1073.000	39.78	-14.34	74.0	34.22	Peak	270.00	100	Horizontal	Pass
1**	1073.000	29.44	-14.34	54.0	24.56	AV	270.00	100	Horizontal	Pass
2	2009.000	42.39	-13.01	74.0	31.61	Peak	57.00	100	Horizontal	Pass
2**	2009.000	31.64	-13.01	54.0	22.36	AV	57.00	100	Horizontal	Pass
3	3085.500	47.12	-6.04	74.0	26.88	Peak	227.00	100	Horizontal	Pass
3**	3085.500	35.97	-6.04	54.0	18.03	AV	227.00	100	Horizontal	Pass
4	5378.250	51.91	-0.14	74.0	22.09	Peak	295.00	100	Horizontal	Pass
4**	5378.250	41.61	-0.14	54.0	12.39	AV	295.00	100	Horizontal	Pass
5	11970.500	50.48	-1.06	74.0	23.52	Peak	0.00	100	Horizontal	Pass
5**	11970.500	39.59	-1.06	54.0	14.41	AV	0.00	100	Horizontal	Pass
6	16544.000	54.06	1.90	74.0	19.94	Peak	218.00	100	Horizontal	Pass
6**	16544.000	42.57	1.90	54.0	11.43	AV	218.00	100	Horizontal	Pass

Test Mode 2

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

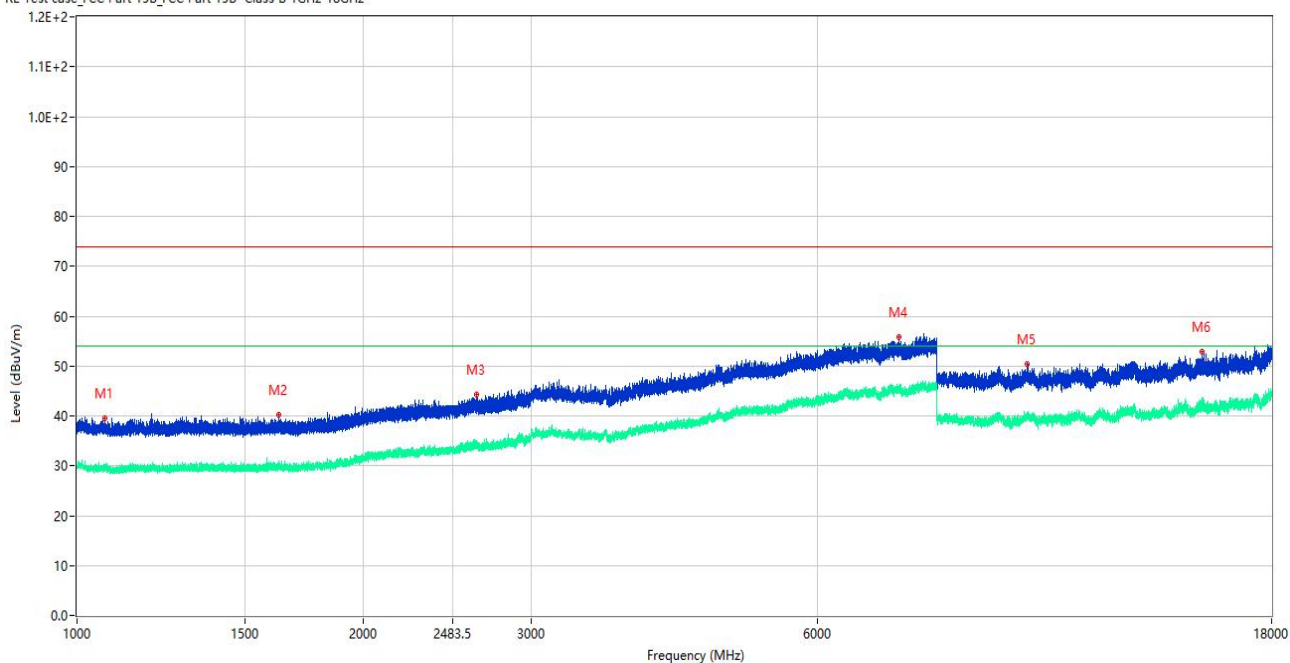
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1269.100	39.96	-14.95	74.0	34.04	Peak	266.00	100	Vertical	Pass
1**	1269.100	29.11	-14.95	54.0	24.89	AV	266.00	100	Vertical	Pass
2	2053.300	42.19	-12.59	74.0	31.81	Peak	331.00	100	Vertical	Pass
2**	2053.300	31.40	-12.59	54.0	22.60	AV	331.00	100	Vertical	Pass
3	3084.000	46.69	-6.15	74.0	27.31	Peak	142.00	100	Vertical	Pass
3**	3084.000	36.00	-6.15	54.0	18.00	AV	142.00	100	Vertical	Pass
4	7385.750	55.75	2.44	74.0	18.25	Peak	360.00	100	Vertical	Pass
4**	7385.750	44.91	2.44	54.0	9.09	AV	360.00	100	Vertical	Pass
5	9864.500	50.12	-1.24	74.0	23.88	Peak	0.00	100	Vertical	Pass
5**	9864.500	39.18	-1.24	54.0	14.82	AV	0.00	100	Vertical	Pass
6	15442.000	52.41	1.15	74.0	21.59	Peak	0.00	100	Vertical	Pass
6**	15442.000	41.69	1.15	54.0	12.31	AV	0.00	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	1069.600	39.46	-14.29	74.0	34.54	Peak	46.00	100	Horizontal	Pass
1**	1069.600	29.69	-14.29	54.0	24.31	AV	46.00	100	Horizontal	Pass
2	1628.000	40.14	-14.84	74.0	33.86	Peak	150.00	100	Horizontal	Pass
2**	1628.000	30.35	-14.84	54.0	23.65	AV	150.00	100	Horizontal	Pass
3	2631.100	44.22	-8.67	74.0	29.78	Peak	94.00	100	Horizontal	Pass
3**	2631.100	33.81	-8.67	54.0	20.19	AV	94.00	100	Horizontal	Pass
4	7307.500	55.81	2.61	74.0	18.19	Peak	28.00	100	Horizontal	Pass
4**	7307.500	44.68	2.61	54.0	9.32	AV	28.00	100	Horizontal	Pass
5	9973.500	50.32	-0.47	74.0	23.68	Peak	84.00	100	Horizontal	Pass
5**	9973.500	40.12	-0.47	54.0	13.88	AV	84.00	100	Horizontal	Pass
6	15219.000	52.97	1.84	74.0	21.03	Peak	262.00	100	Horizontal	Pass
6**	15219.000	42.96	1.84	54.0	11.04	AV	262.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L015	2024.07.09	2025.07.08	☒
EMI Receiver	KEYSIGHT	N9010B	BH-EMC-L099	2024.02.22	2025.02.21	☒
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	BH-EMC-L044	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-L117	2024.04.18	2027.04.17	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V21.919	/		☒

A.2 Conducted emission

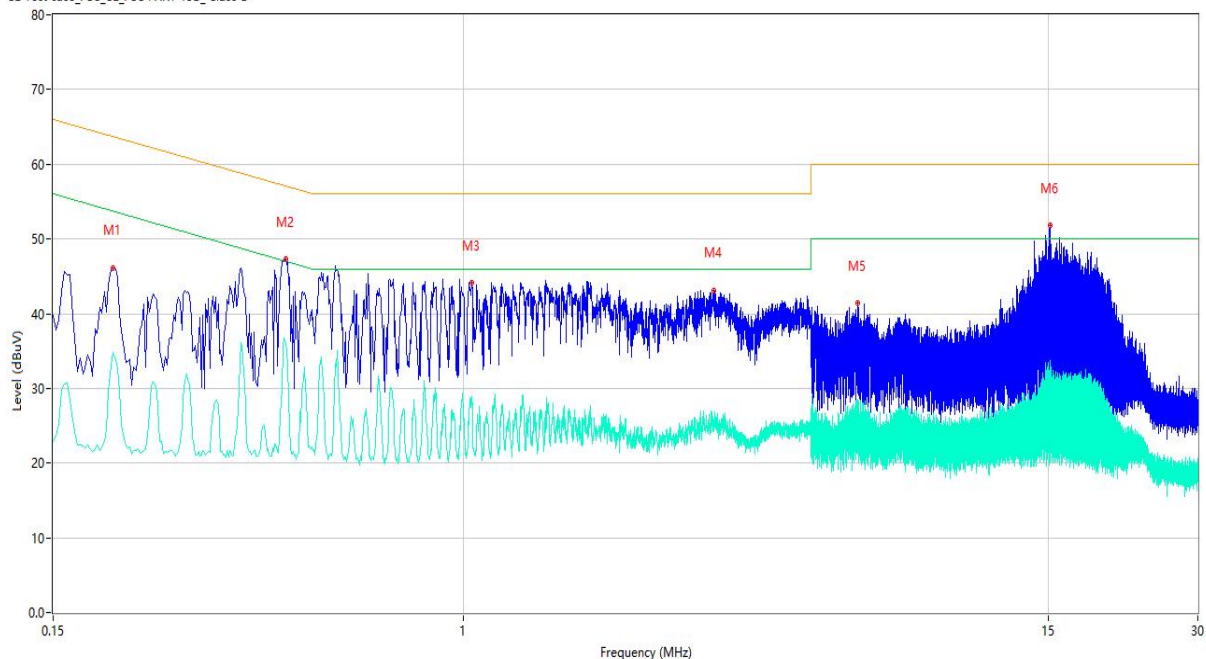
Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst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

Sample No.	SC-SH2490028-S10	Temperature	23.3℃
Humidity	56%RH	Test Voltage	AC 120V/60Hz
Test Engineer	Xiang Jibin	Test Date	2024.09.19

Test Mode 1

A.2.1 AC ports - L Phase

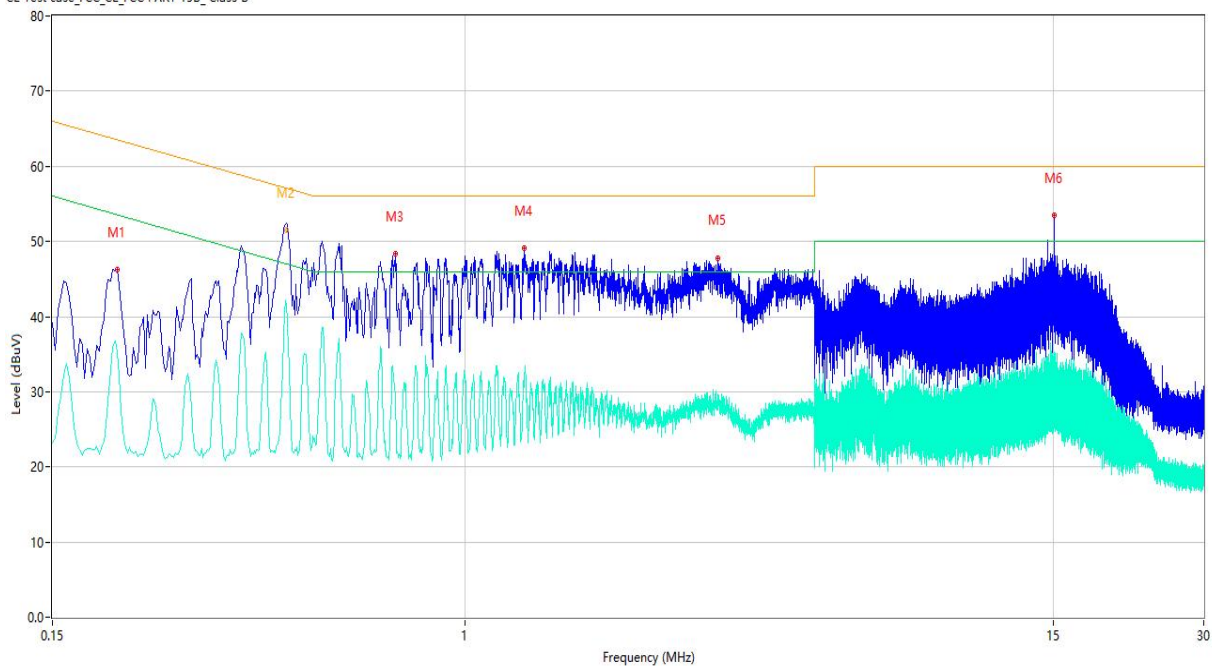
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.198	46.18	9.75	63.69	17.51	Peak	L	Pass
1**	0.198	34.73	9.75	53.69	18.96	AV	L	Pass
2	0.440	47.29	9.74	57.06	9.77	Peak	L	Pass
2**	0.440	35.99	9.74	47.06	11.07	AV	L	Pass
3	1.040	44.16	9.70	56.00	11.84	Peak	L	Pass
3**	1.040	28.03	9.70	46.00	17.97	AV	L	Pass
4	3.196	43.16	9.67	56.00	12.84	Peak	L	Pass
4**	3.196	25.18	9.67	46.00	20.82	AV	L	Pass
5	6.206	41.43	9.60	60.00	18.57	Peak	L	Pass
5**	6.206	28.54	9.60	50.00	21.46	AV	L	Pass
6	15.156	51.77	9.24	60.00	8.23	Peak	L	Pass
6**	15.156	33.68	9.24	50.00	16.32	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	0.202	46.23	9.76	63.53	17.30	Peak	N	Pass
1**	0.202	35.21	9.76	53.53	18.32	AV	N	Pass
2	0.440	52.54	9.79	57.06	4.52	Peak	N	NA
2*	0.440	51.52	9.79	57.06	5.54	QP	N	Pass
2**	0.440	41.44	9.79	47.06	5.62	AV	N	Pass
3	0.728	48.40	9.88	56.00	7.60	Peak	N	Pass
3**	0.728	28.32	9.88	46.00	17.68	AV	N	Pass
4	1.318	49.13	9.86	56.00	6.87	Peak	N	Pass
4**	1.318	32.22	9.86	46.00	13.78	AV	N	Pass
5	3.200	47.81	9.85	56.00	8.19	Peak	N	Pass
5**	3.200	28.15	9.85	46.00	17.85	AV	N	Pass
6	15.060	53.50	9.51	60.00	6.50	Peak	N	Pass
6**	15.060	32.00	9.51	50.00	18.00	AV	N	Pass

Equipment Information						
Equipment Name	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2024.02.19	2025.02.18	☒
LISN	SCHWARZBECK	NSLK 8127	BH-EMC-L011	2024.02.25	2025.02.24	☒
10dB Limiter	SCHWARZBECK	VTSD 9561-F	BH-EMC-L014	2024.02.19	2025.02.18	☒
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-SZ2490675-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2490675-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2490675-AI.PDF”.

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--END OF REPORT--