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TESTING
CNAS L6791

TEST REPORT

Applicant: Handheld Group AB
Address: Strandgatan 40, 531 60 Lidköping, Sweden
Equipment Type: DDU7
Model Name: DDU7
Brand Name: Handheld
FCC ID: YY3-DDU7
ISED Number: 11695A-DDU7
Test Standard: 47 CFR Part 15 Subpart B
ICES-003 (Issue 7, October 15, 2020)
ANSI C63.4-2014
Sample Arrival Date: Nov. 06, 2024
Test Date: Nov. 11, 2024
Date of Issue: Mar. 12, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Liu Chenfang**Checked by:** Xiong Chong**Approved by:** Sunny Zou

(Technical Director)

Liu ChenfangXiong ChongSunny Zou

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Feb. 08, 2025</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Mar. 12, 2025</u>	<u>Modify the FCC ID and ISED Number</u> <u>The original report is invalid</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Handheld Group AB
Address	Strandgatan 40, 531 60 Lidköping, Sweden

2.2 Manufacturer Information

Manufacturer	Handheld Group AB
Address	Strandgatan 40, 531 60 Lidköping, Sweden

2.3 General Description for Equipment under Test (EUT)

EUT Name	DDU7
Model Name Under Test	DDU7
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

Ancillary Equipment 1	Li-ion Rechargeable Battery	
	Brand Name	N/A
	Model No.	DDU7
	Serial No.	N/A
	Capacity	10800 mAh, 41.04Wh
	Rated Voltage	3.80 V
	Limit Charge Voltage	4.35 V
	Manufacturer	Flex Technology Inc.

2.5 Equipment Technical Information

Network and Wireless connectivity	2.4G WIFI, 5G WIFI Bluetooth (BR, EDR, BLE) GPS; GLONASS; BDS; Galileo
Classification of equipment	Class B
The highest internal frequency of EUT	5850 MHz

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	ICES-003 (Issue 7, October 15, 2020)	Information Technology Equipment (Including Digital Apparatus)
3	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

3.2 Verdict

No.	Description	FCC Rule	ISED Rule	Test Verdict	Remark
1	Radiated Emission	15.109	ICES-003, 3.2.2	Pass	--
2	Conducted Emission, AC Ports	15.107	ICES-003, 3.2.1	Pass	--

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 (9 kHz-30 MHz)	3.2 dB
Radiated emissions (30 MHz-1 GHz)-966#4	4.4 dB
Radiated emissions (1 GHz-18 GHz)-966#4	5.0 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Adapter	Baijunda	UT-681A-52 00MY	N/A	N/A	N/A	☒
USB Cable	N/A	N/A	N/A	0.8m	N/A	☒
Laptop	Lenovo	X5-15 ABU017	N/A	N/A	N/A	☒
Headset	Logitech	H111	N/A	N/A	N/A	☒

4.2 Test Configurations

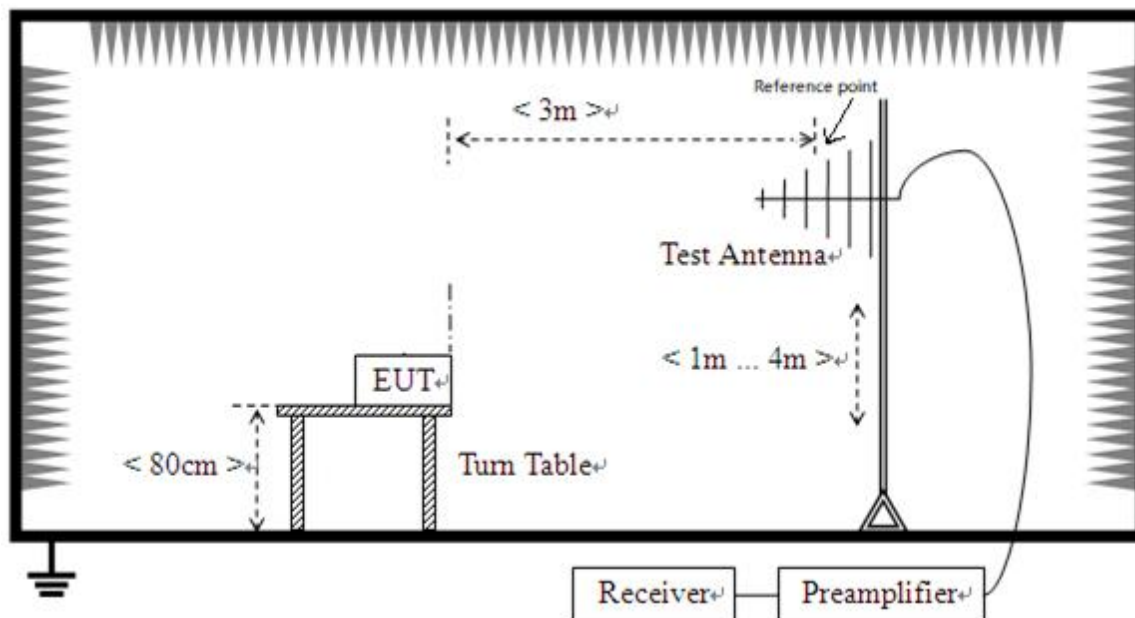
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Headset
Mode 2	<u>The Standby Test Mode</u> EUT + Adapter + USB Cable + Headset
Mode 3	<u>The USB Test Mode</u> EUT + USB Cable + Laptop + Headset

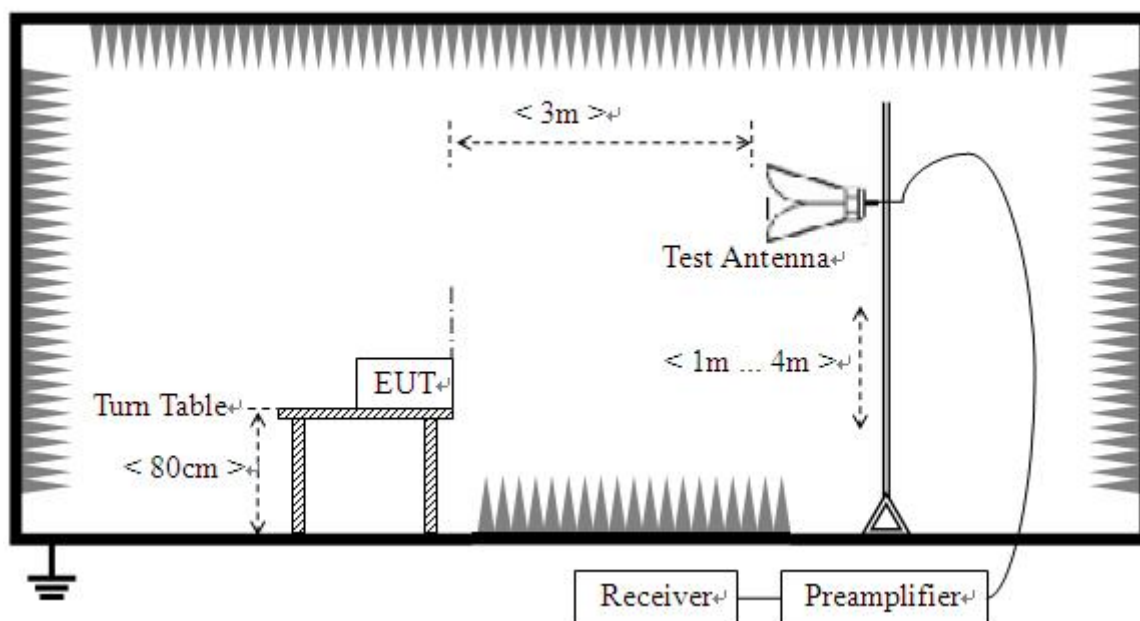
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 3	1
Conducted Emission, AC Ports	Mode 1~Mode 3	1
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

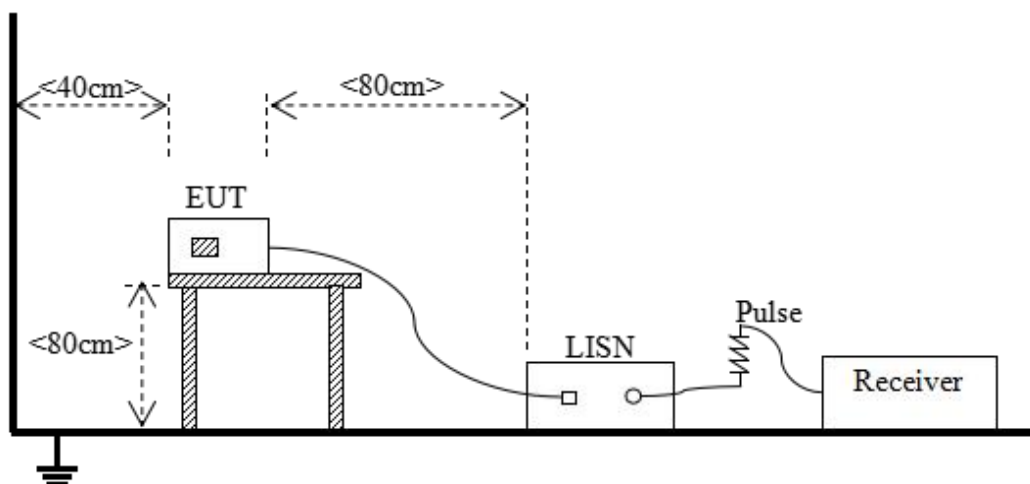
Test Setup 1



Radiated Emission (30 MHz-1 GHz)



Radiated Emission (above 1 GHz)

Test Setup 2

Conducted Emissions, AC Ports

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

FCC:

Frequency range (MHz)	Class B (at 3 m)		Class A (at 3 m)
	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)
30 - 88	100	40	49.5
88 - 216	150	43.5	54
216 - 960	200	46	56.9
Above 960	500	54	60

NOTE:

- 1) Field Strength (dB $\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$.
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For 30 MHz to 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.	

IC:

Frequency range (MHz)	Class A (3 m)	Class B (3 m)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 - 88	50.0	40.0
88 - 216	54.0	43.5
216 - 230	56.9	46.0
230 - 960	57.0	47.0
960 - 1000	60.0	54.0
Note: The more stringent limit applies at transition frequencies.		

Frequency range (GHz)	Class A (3 m)		Class B (3 m)	
	Average (dB μ V/m)	Peak (dB μ V/m)	Average (dB μ V/m)	Peak (dB μ V/m)
1 - F_M	60	80	54	74
Note: 1. The highest measurement frequency, F_M , in GHz, shall be determined as next Table. 2. The measurement bandwidth shall be 1 MHz or greater. 3. These limit levels apply for a measurement distance of 3 m. If using a different measurement distance, the measured levels shall be extrapolated to the 3 m limit distance using a factor of 20 dB per decade of distance. The measurement distance shall place the measurement antenna in the far field of the ITE or digital apparatus under test. 4. The test site shall have been validated at the distance used for radiated emission measurements on the ITE or digital apparatus under test.				

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq 108 \text{ MHz}$	1GHz
$108 \text{ MHz} \leq F_X \leq 500 \text{ MHz}$	2GHz
$500 \text{ MHz} \leq F_X \leq 1 \text{ GHz}$	5GHz
$F_X \geq 1 \text{ GHz}$	$5 * F_X$ up to a maximum of 40 GHz
Note: F_X is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test.	

5.1.1.2 Test Setup

Refer to 4.3 section (test setup 1) for radiated emission test, the photo of test setup please refer to ANNEX B.

5.1.1.3 Test Procedure

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

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.

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.

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.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak for $f < 1$ GHz, peak & RMS Average for $f \geq 1$ 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) + 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, AC Ports

5.1.2.1 Test Limit

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

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

Refer to 4.3 section test (test setup 2) for conducted emission, the photo of test setup please refer to ANNEX B.

5.1.2.3 Test Procedure

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

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.

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. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

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

A.1 Radiated Emission

Note 1: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

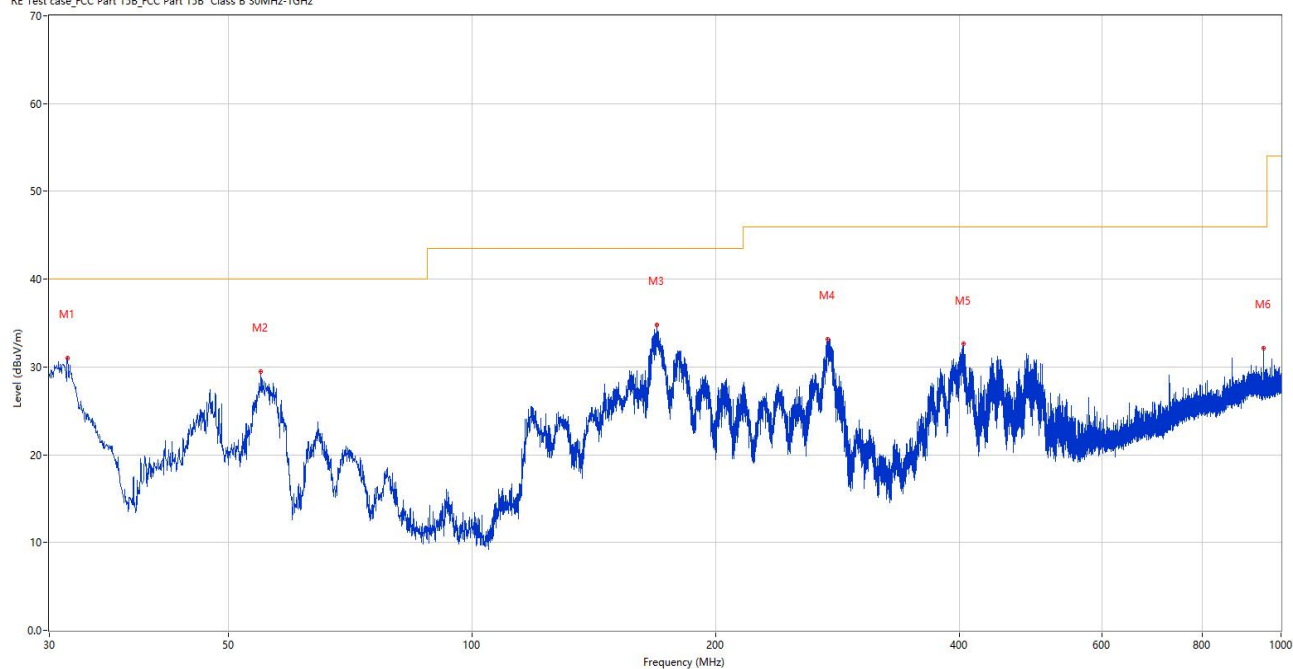
Note 2: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	SC-SZ24A0689-S03	Temperature	21.5℃
Humidity	53%RH	Pressure	101kPa
Test Engineer	Xiao Tangqi	Test Date	2024.11.11

Test Mode 1

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

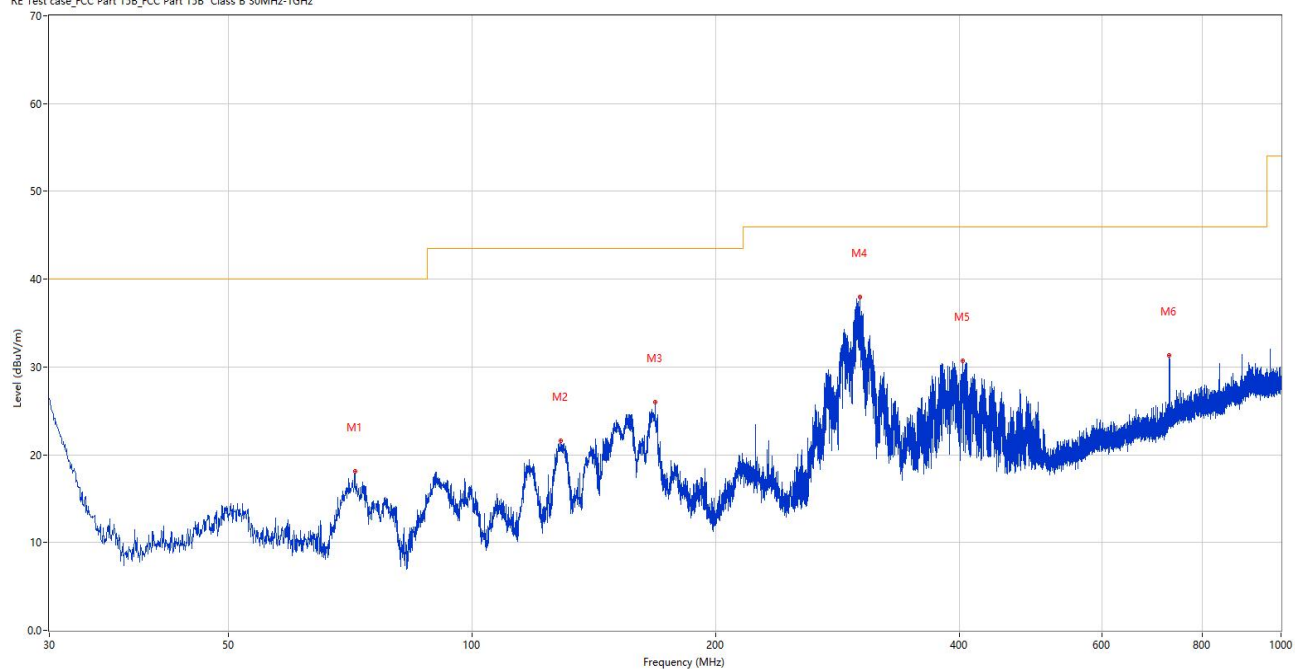
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	31.601	30.99	-30.18	40.0	9.01	Peak	142.00	100	Vertical	Pass
2	54.783	29.47	-25.95	40.0	10.53	Peak	358.00	100	Vertical	Pass
3	169.098	34.81	-29.21	43.5	8.69	Peak	317.00	100	Vertical	Pass
4	275.216	33.16	-24.56	46.0	12.84	Peak	360.00	100	Vertical	Pass
5	404.905	32.60	-20.86	46.0	13.40	Peak	360.00	100	Vertical	Pass
6	952.034	32.11	-9.36	46.0	13.89	Peak	360.00	100	Vertical	Pass

2) Test Antenna Horizontal, 30 MHz – 1 GHz (FCC)

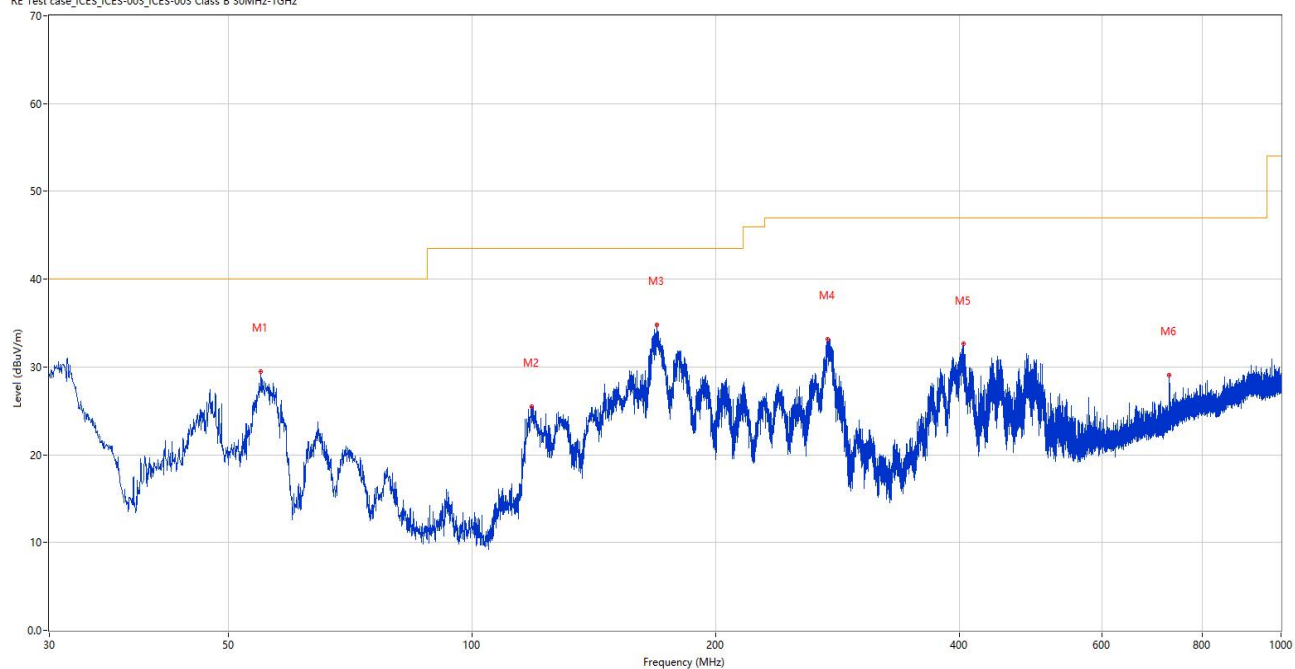
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	71.613	18.15	-30.17	40.0	21.85	Peak	13.00	200	Horizontal	Pass
2	128.697	21.55	-29.78	43.5	21.95	Peak	307.00	200	Horizontal	Pass
3	168.516	26.02	-29.21	43.5	17.48	Peak	360.00	100	Horizontal	Pass
4	301.600	38.01	-23.75	46.0	7.99	Peak	360.00	100	Horizontal	Pass
5	404.129	30.68	-20.89	46.0	15.32	Peak	360.00	100	Horizontal	Pass
6	728.012	31.34	-13.43	46.0	14.66	Peak	147.00	100	Horizontal	Pass

3) Test Antenna Vertical, 30 MHz – 1 GHz (IC)

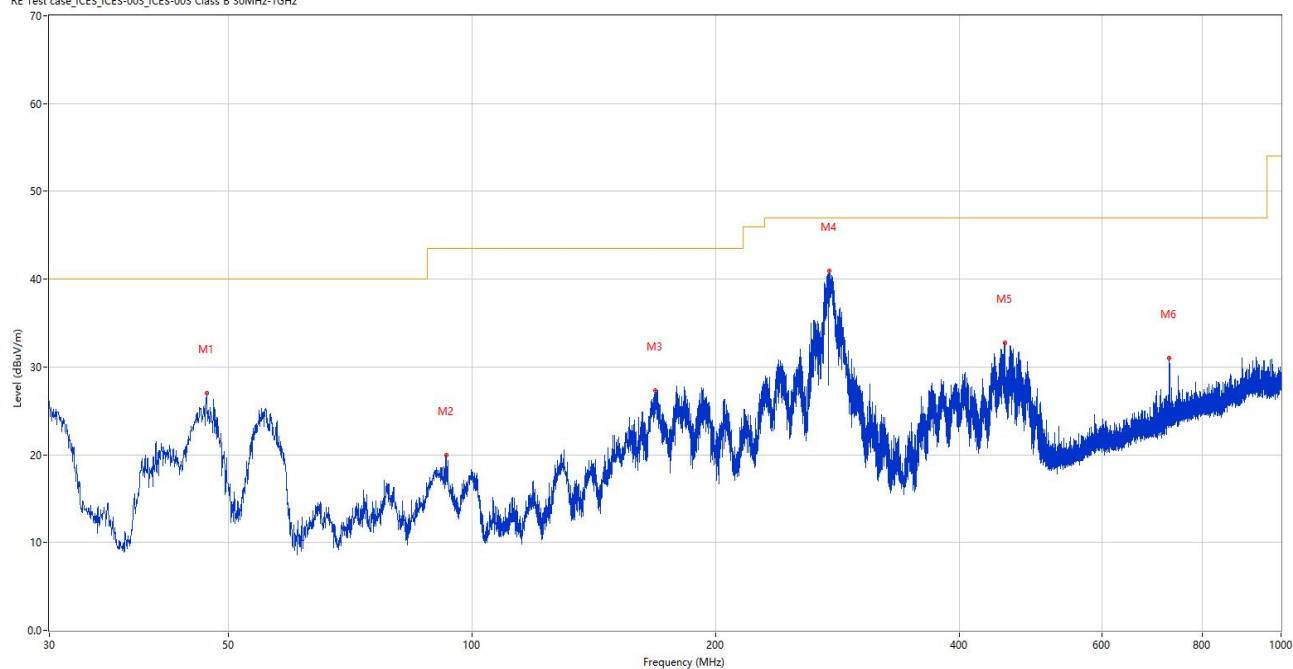
RE Test case_ICES_ICES-003_ICES-003 Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.783	29.47	-25.95	40.0	10.53	Peak	358.00	100	Vertical	Pass
2	118.318	25.51	-28.58	43.5	17.99	Peak	137.00	100	Vertical	Pass
3	169.098	34.81	-29.21	43.5	8.69	Peak	317.00	100	Vertical	Pass
4	275.216	33.16	-24.56	47.0	13.84	Peak	360.00	100	Vertical	Pass
5	404.905	32.60	-20.86	47.0	14.40	Peak	360.00	100	Vertical	Pass
6	728.012	29.08	-13.43	47.0	17.92	Peak	183.00	100	Vertical	Pass

4) Test Antenna Horizontal, 30 MHz – 1 GHz (IC)

RE Test case_ICES_ICES-003_ICES-003 Class B 30MHz-1GHz

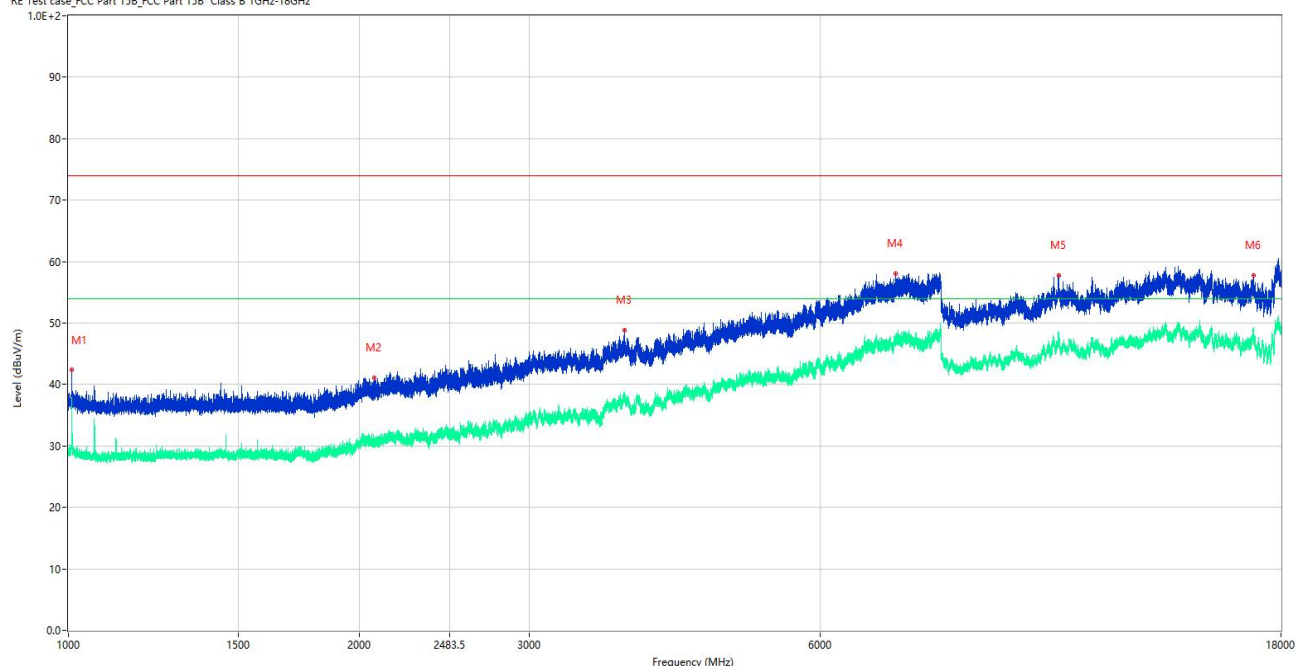


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.926	27.00	-25.81	40.0	13.00	Peak	354.00	100	Horizontal	Pass
2	92.808	19.95	-28.15	43.5	23.55	Peak	199.00	200	Horizontal	Pass
3	168.419	27.29	-29.22	43.5	16.21	Peak	270.00	200	Horizontal	Pass
4	276.671	40.93	-24.52	47.0	6.07	Peak	293.00	100	Horizontal	Pass
5	455.685	32.79	-19.99	47.0	14.21	Peak	209.00	100	Horizontal	Pass
6	728.012	31.03	-13.43	47.0	15.97	Peak	240.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2024.08.01	2025.07.31	☒
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9163	9163-624	2024.07.06	2027.07.05	☒
Anechoic Chamber (#4)	ChangNing	9m*6m*6m	101	2023.03.04	2026.03.03	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

5) Test Antenna Vertical, 1 GHz – 18 GHz

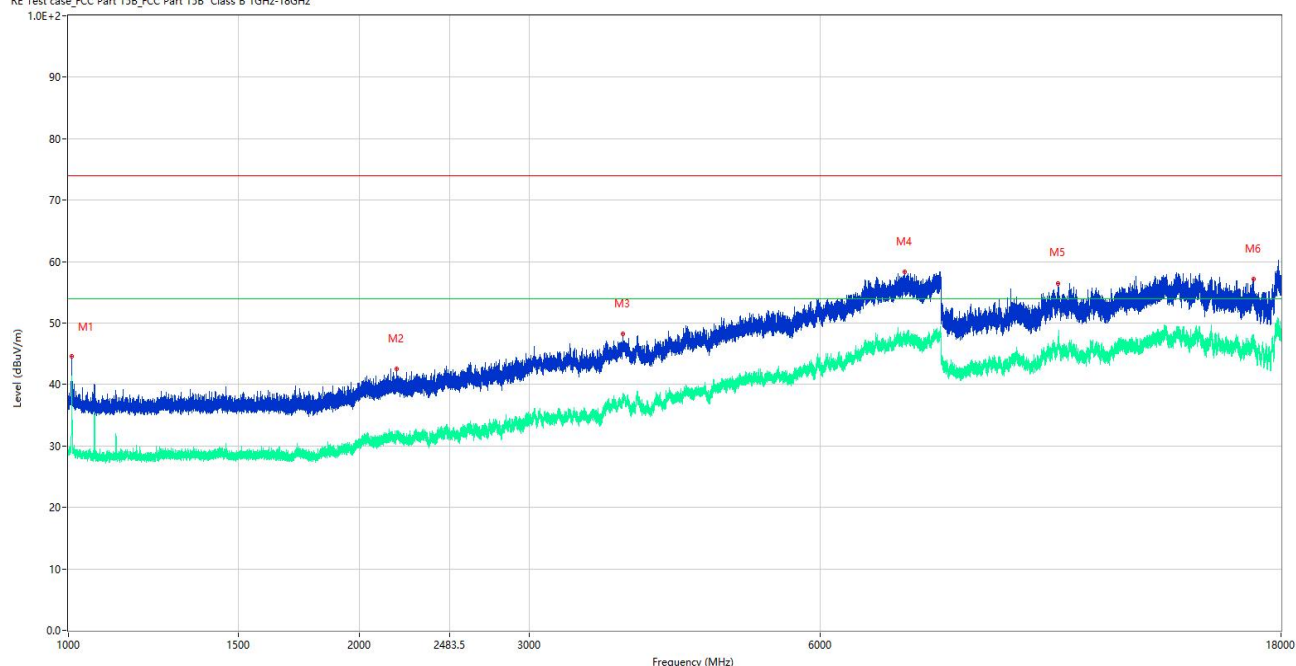
RE Test case FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1008.000	42.39	-14.62	74.0	31.61	Peak	316.00	100	Vertical	Pass
1**	1008.000	37.76	-14.62	54.0	16.24	AV	316.00	100	Vertical	Pass
2	2073.700	41.12	-13.78	74.0	32.88	Peak	193.00	100	Vertical	Pass
2**	2073.700	29.76	-13.78	54.0	24.24	AV	193.00	100	Vertical	Pass
3	3763.500	48.80	-3.10	74.0	25.20	Peak	164.00	100	Vertical	Pass
3**	3763.500	38.66	-3.10	54.0	15.34	AV	164.00	100	Vertical	Pass
4	7181.750	58.02	5.13	74.0	15.98	Peak	288.00	100	Vertical	Pass
4**	7181.750	46.75	5.13	54.0	7.25	AV	288.00	100	Vertical	Pass
5	10602.000	57.68	4.44	74.0	16.32	Peak	222.00	100	Vertical	Pass
5**	10602.000	47.20	4.44	54.0	6.80	AV	222.00	100	Vertical	Pass
6	16860.500	57.72	6.87	74.0	16.28	Peak	145.00	100	Vertical	Pass
6**	16860.500	47.87	6.87	54.0	6.13	AV	145.00	100	Vertical	Pass

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	1008.100	44.56	-14.62	74.0	29.44	Peak	360.00	100	Horizontal	Pass
1**	1008.100	40.86	-14.62	54.0	13.14	AV	360.00	100	Horizontal	Pass
2	2185.100	42.56	-12.96	74.0	31.44	Peak	217.00	100	Horizontal	Pass
2**	2185.100	31.56	-12.96	54.0	22.44	AV	217.00	100	Horizontal	Pass
3	3748.250	48.24	-3.30	74.0	25.76	Peak	250.00	100	Horizontal	Pass
3**	3748.250	37.27	-3.30	54.0	16.73	AV	250.00	100	Horizontal	Pass
4	7341.000	58.32	5.55	74.0	15.68	Peak	68.00	100	Horizontal	Pass
4**	7341.000	47.79	5.55	54.0	6.21	AV	68.00	100	Horizontal	Pass
5	10581.500	56.50	4.73	74.0	17.50	Peak	331.00	100	Horizontal	Pass
5**	10581.500	46.66	4.73	54.0	7.34	AV	331.00	100	Horizontal	Pass
6	16859.000	57.13	6.89	74.0	16.87	Peak	345.00	100	Horizontal	Pass
6**	16859.000	46.83	6.89	54.0	7.17	AV	345.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY53220118	2024.08.01	2025.07.31	☒
EMI Receiver	R&S	FSV-40	101544	2023.12.27	2024.12.26	☒
Amplifier (1-12GHz)	COM-MV	DLNAB-1000- 12000-002	18080279	2023.12.05	2024.12.04	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	619201336	2023.12.05	2024.12.04	☒
Amplifier (18-40GHz)	COM-MV	KA_LNA18-40 G-01	18050001	2024.06.15	2027.06.14	☒
Test Antenna- Horn	A-INFOMW	LB-180400KF	J211060273	2024.06.15	2027.06.14	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	1148	2022.04.12	2025.04.11	☒
Anechoic Chamber (#4)	ChangNing	9m*6m*6m	101	2023.03.04	2026.03.03	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

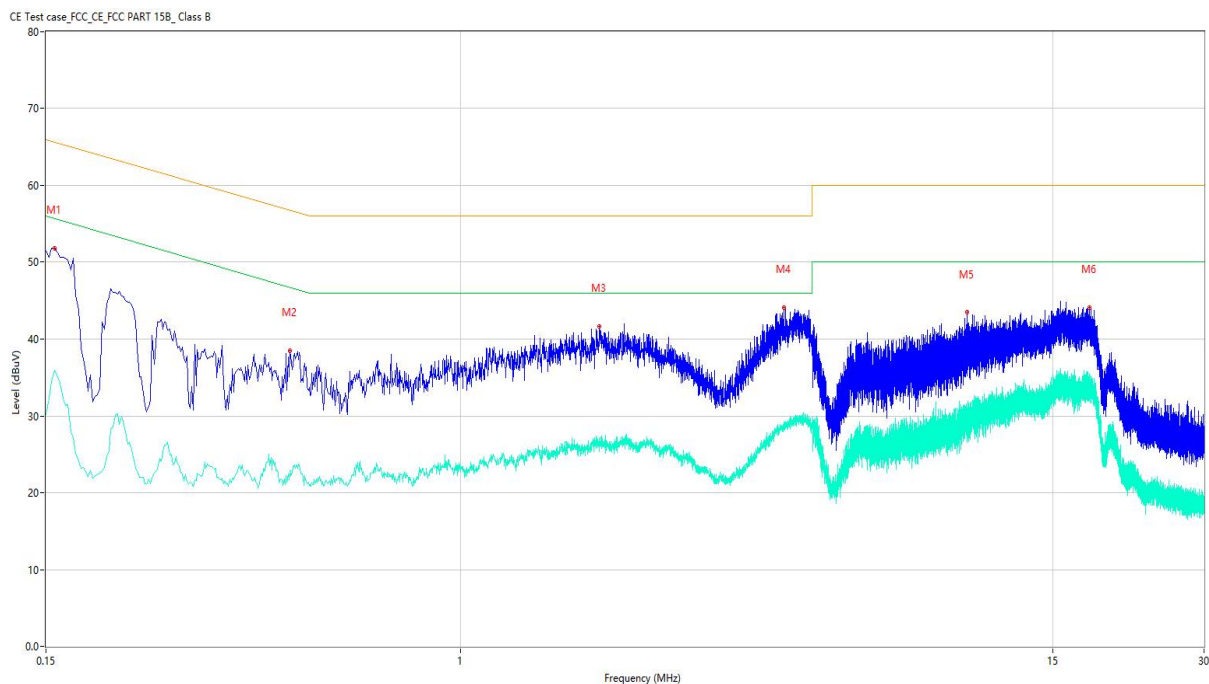
A.2 Conducted Emission, AC Ports

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-SH24A0689-S03	Temperature	21.4℃
Humidity	57%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2024.11.11

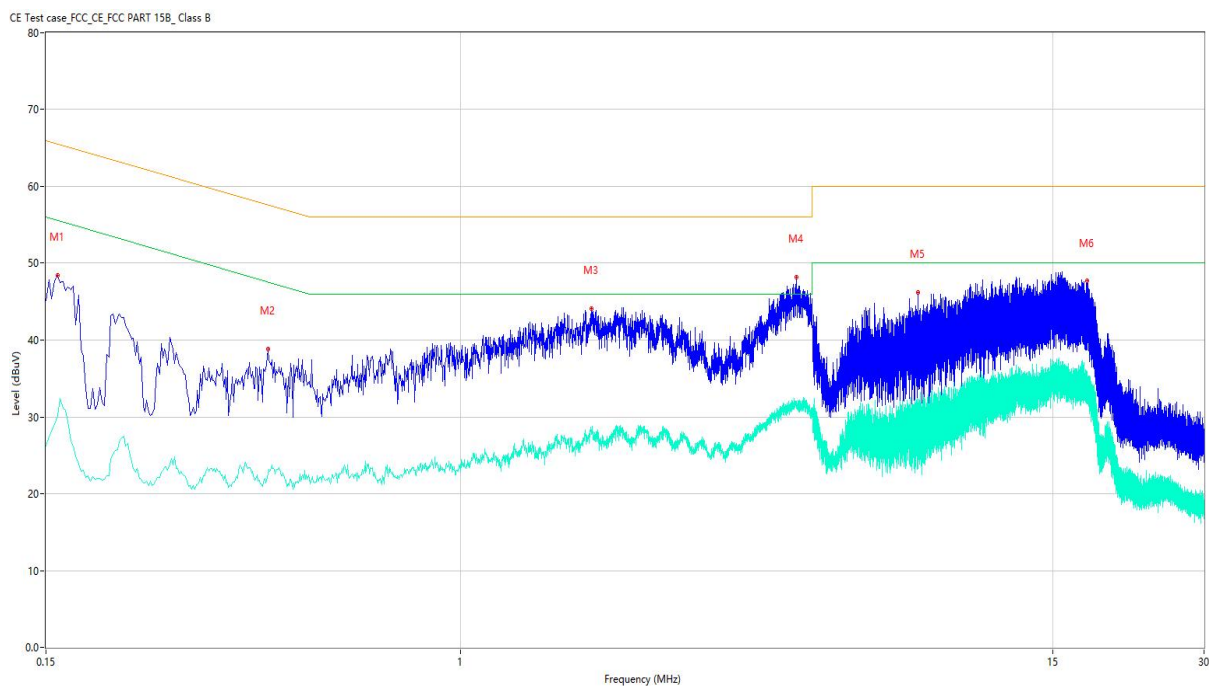
Test Mode 1

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	51.85	9.75	65.67	13.82	Peak	L	Pass
1**	0.156	35.91	9.75	55.67	19.76	AV	L	Pass
2	0.458	38.52	9.74	56.73	18.21	Peak	L	Pass
2**	0.458	22.89	9.74	46.73	23.84	AV	L	Pass
3	1.888	41.69	9.68	56.00	14.31	Peak	L	Pass
3**	1.888	26.46	9.68	46.00	19.54	AV	L	Pass
4	4.392	44.13	9.65	56.00	11.87	Peak	L	Pass
4**	4.392	29.05	9.65	46.00	16.95	AV	L	Pass
5	10.148	43.45	9.47	60.00	16.55	Peak	L	Pass
5**	10.148	30.97	9.47	50.00	19.03	AV	L	Pass
6	17.770	44.11	9.07	60.00	15.89	Peak	L	Pass
6**	17.770	32.41	9.07	50.00	17.59	AV	L	Pass

2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	48.40	9.70	65.57	17.17	Peak	N	Pass
1**	0.158	30.13	9.70	55.57	25.44	AV	N	Pass
2	0.414	38.83	9.78	57.57	18.74	Peak	N	Pass
2**	0.414	22.59	9.78	47.57	24.98	AV	N	Pass
3	1.822	44.14	9.86	56.00	11.86	Peak	N	Pass
3**	1.822	27.80	9.86	46.00	18.20	AV	N	Pass
4	4.644	48.20	9.82	56.00	7.80	Peak	N	Pass
4**	4.644	31.21	9.82	46.00	14.79	AV	N	Pass
5	8.108	46.21	9.78	60.00	13.79	Peak	N	Pass
5**	8.108	31.87	9.78	50.00	18.13	AV	N	Pass
6	17.598	47.69	9.31	60.00	12.31	Peak	N	Pass
6**	17.598	35.94	9.31	50.00	14.06	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08	☒
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH24A0814-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH24A0814-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH24A0814-AI.PDF”.

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--END OF REPORT--