

TEST REPORT

Applicant: NAYAX Ltd.
Address: 3 Arik Einstein St., 1st Floor, Herzliya, 4659071, Israel
Equipment Type: POS Payment Device
Model Name: VPOSMS
Brand Name: Nayax
FCC ID: 2AK6L-VPOSMS
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Apr. 16, 2024
Test Date: May 06, 2024
Date of Issue: Aug. 02, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Chong

Checked by: Xia Long

Approved by: Liao Jianming
(Technical Director)

Xiong Chong

Xia Long

Jim Liao

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 10, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Aug. 02, 2024</u>	<u>Add FCC ID</u>

TABLE OF CONTENTS

1 GENERAL INFORMATION	3
1.1 Test Laboratory	3
1.2 Test Location	3
2 PRODUCT INFORMATION	4
2.1 Applicant Information	4
2.2 Manufacturer Information	4
2.3 General Description for Equipment under Test (EUT)	4
2.4 Ancillary Equipment	4
2.5 Technical Information	4
3 SUMMARY OF TEST RESULTS	5
3.1 Test Standards	5
3.2 Verdict	5
3.3 Test Uncertainty	5
4 GENERAL TEST CONFIGURATIONS	6
4.1 Test Enclosure List	6
4.2 Test Configurations	6
4.3 Test Setups	8
5 TEST ITEMS	10
5.1 Emission Tests	10
ANNEX A TEST RESULTS	15
A.1 Radiated Emission	15
A.2 Conducted Emission, AC Ports	22
ANNEX B TEST SETUP PHOTOS	26
ANNEX C EUT EXTERNAL PHOTOS	26

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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	NAYAX Ltd.
Address	3 Arik Einstein St., 1st Floor, Herzliya, 4659071, Israel

2.2 Manufacturer Information

Manufacturer	NAYAX Ltd.
Address	3 Arik Einstein St., 1st Floor, Herzliya, 4659071, Israel

2.3 General Description for Equipment under Test (EUT)

EUT Name	POS Payment Device
Model Name Under Test	VPOSMS
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	VPOSMSx415223xxxx
Software Version	6202.30.xxxx.xxx.xxx
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Note: Not Applicable.

2.5 Technical Information

Network and Wireless connectivity	2G Network GPRS/EGPRS 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE+HS3.0) 2.4G WIFI 802.11b, 802.11g and 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/HT40) U-NII-1/2A/3, DFS ,GPS, GLONASS, BDS, NFC
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	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 (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	W&T	W&T-AD1912 E050200EU	N/A	N/A	N/A	☒
USB Cable	N/A	N/A	N/A	N/A	N/A	☒
TBT connector	N/A	N/A	N/A	N/A	Provided by the customer	☒

4.2 Test Configurations

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

Test Mode Configuration	Description
Mode 1	<u>The GSM 850 RX Test Mode</u> EUT + Adapter + USB Cable + GSM 850 RX + GPS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 2	<u>The GSM 1900 RX Test Mode</u> EUT + Adapter + USB Cable + GSM 1900 RX + GPS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 3	<u>The GPRS 850 RX Test Mode</u> EUT + Adapter + USB Cable + GPRS 850 RX + GPS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 4	<u>The GPRS 1900 RX Test Mode</u> EUT + Adapter + USB Cable + GPRS 1900 RX + GLONASS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 5	<u>The EGPRS 850 RX Test Mode</u> EUT + Adapter + USB Cable + EGPRS 850 RX + GPS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 6	<u>The EGPRS 1900 RX Test Mode</u> EUT + Adapter + USB Cable + EGPRS 1900 RX + GPS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 7	<u>The WCDMA Band2 RX Test Mode</u> EUT + Adapter + USB Cable + WCDMA Band2 RX + GLONASS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 8	<u>The WCDMA Band4 RX Test Mode</u> EUT + Adapter + USB Cable + WCDMA Band4 RX + GPS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 9	<u>The WCDMA Band5 RX Test Mode</u> EUT + Adapter + USB Cable + WCDMA Band5 RX + GPS RX + Bluetooth RX +

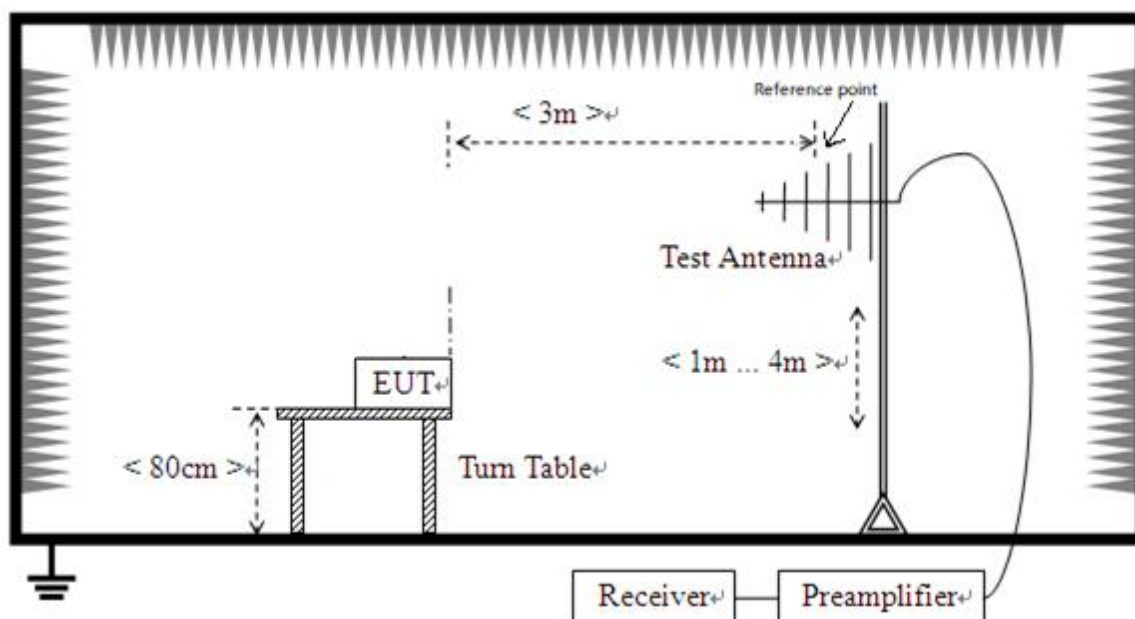
	5G WiFi RX + NFC RX + TBT connector
Mode 10	<u>The LTE Band2 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band2 RX + GLONASS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 11	<u>The LTE Band4 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band4 RX + GPS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 12	<u>The LTE Band5 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band5 RX + BDS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 13	<u>The LTE Band7 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band7 RX + GPS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 14	<u>The LTE Band12 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band12 RX + GPS RX + Bluetooth RX + 5G WiFi RX + NFC RX + TBT connector
Mode 15	<u>The LTE Band17 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band17 RX + GPS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 16	<u>The LTE Band38 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band38 RX + BDS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector
Mode 17	<u>The LTE Band41 RX Test Mode</u> EUT + Adapter + USB Cable + LTE Band41 RX + GPS RX + Bluetooth RX + 2.4G WiFi RX + NFC RX + TBT connector

Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 17	1
Conducted Emission, AC Ports	Mode 1~Mode17	1

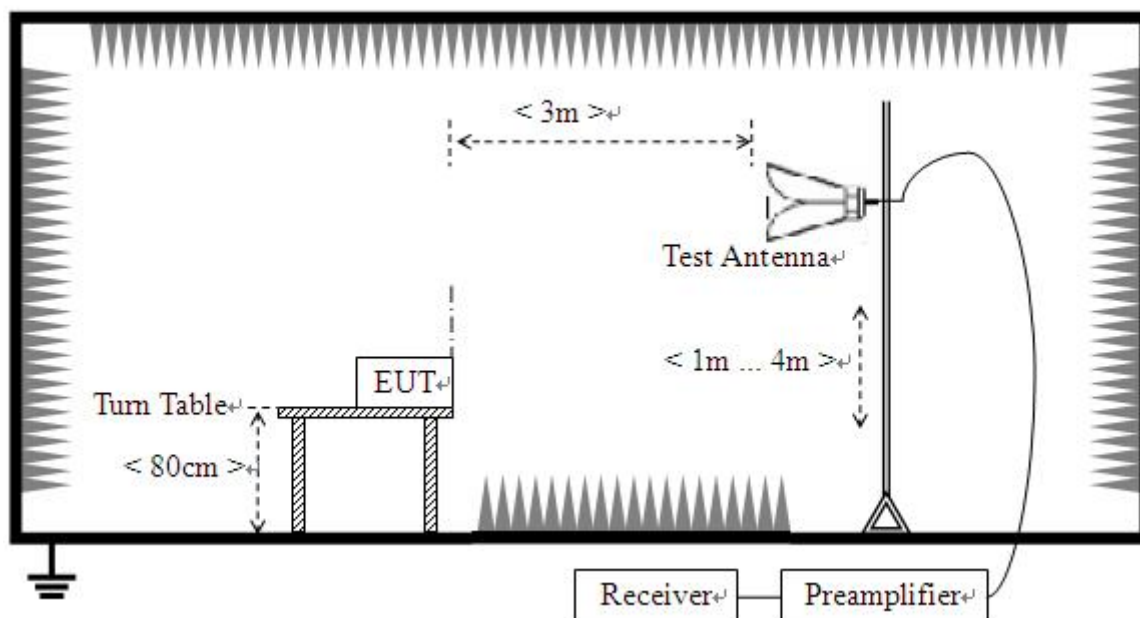
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.

4.3 Test Setups

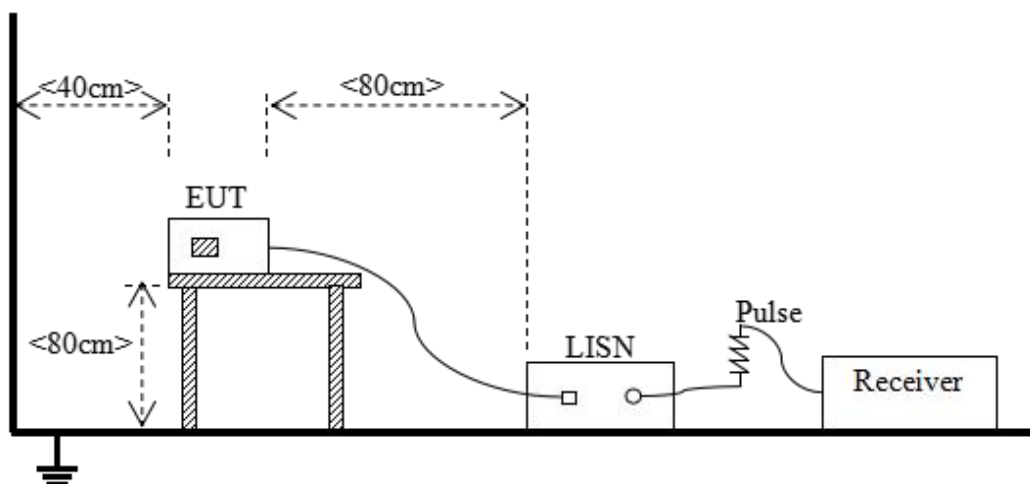
Test Setup 1



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

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.	

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

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

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, 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.

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 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: The symbol of “--” in the table which means not application.

Note 2: 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.

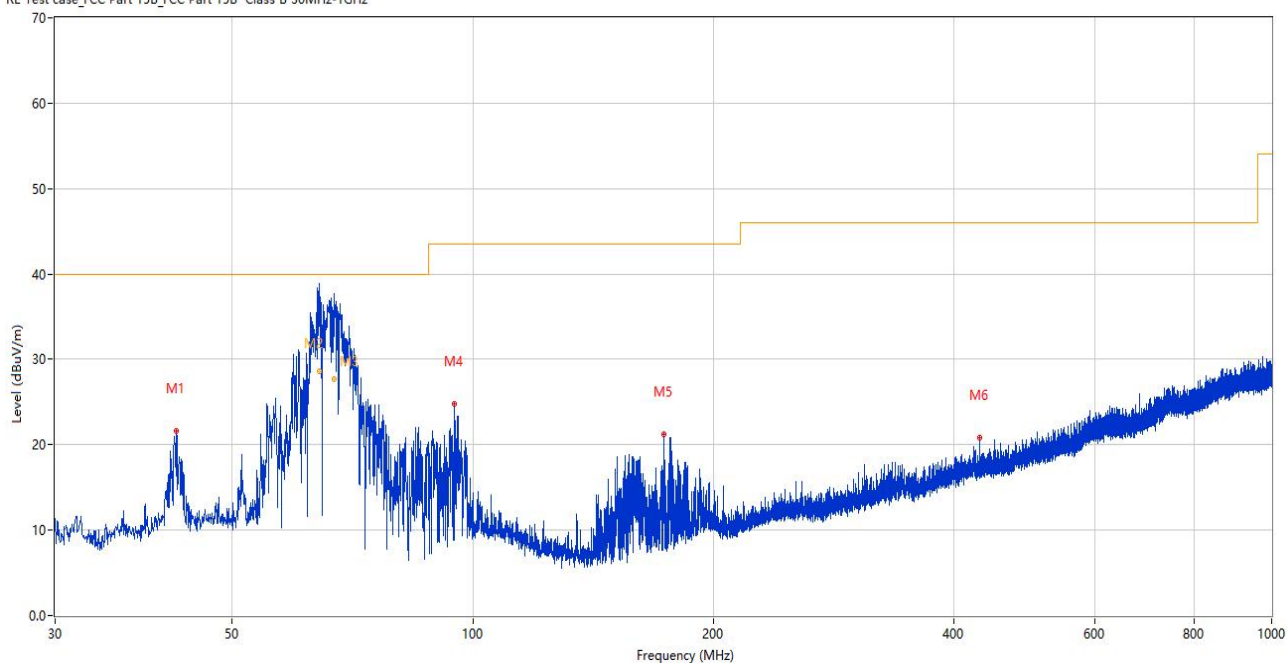
Note 3: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report.

Sample No.	S01	Temperature	22.9℃
Humidity	56%RH	Pressure	101kPa
Test Engineer	Xiao Tangqi	Test Date	2024.05.06

Test Mode 1

1) Test Antenna Vertical, 30 MHz – 1 GHz

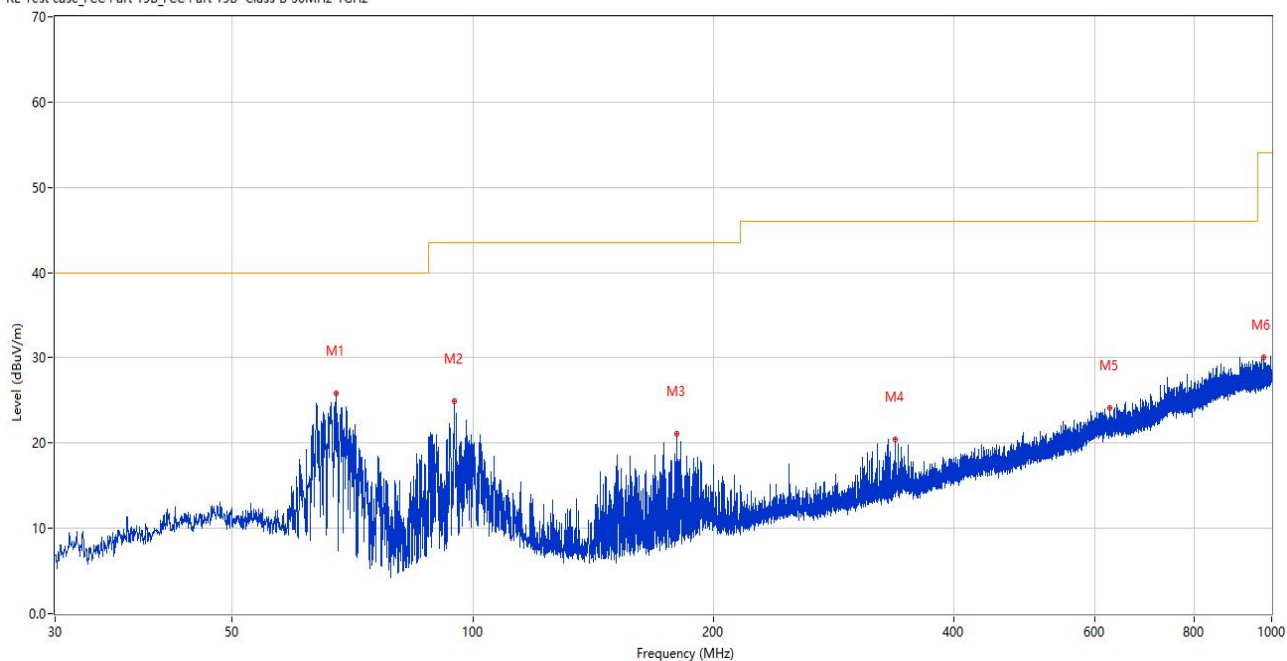
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	42.562	21.57	-25.28	40.0	18.43	Peak	305.00	100	Vertical	Pass
2	64.229	38.40	-27.26	40.0	1.60	Peak	24.00	102	Vertical	N/A
2*	64.229	28.58	-27.26	40.0	11.42	QP	24.00	102	Vertical	Pass
3	67.033	37.24	-28.15	40.0	2.76	Peak	359.00	101	Vertical	N/A
3*	67.033	27.71	-28.15	40.0	12.29	QP	359.00	101	Vertical	Pass
4	94.941	24.79	-26.95	43.5	18.71	Peak	190.00	100	Vertical	Pass
5	173.512	21.22	-28.54	43.5	22.28	Peak	2.00	200	Vertical	Pass
6	431.386	20.89	-20.18	46.0	25.11	Peak	71.00	100	Vertical	Pass

2) Test Antenna Horizontal, 30 MHz – 1 GHz

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

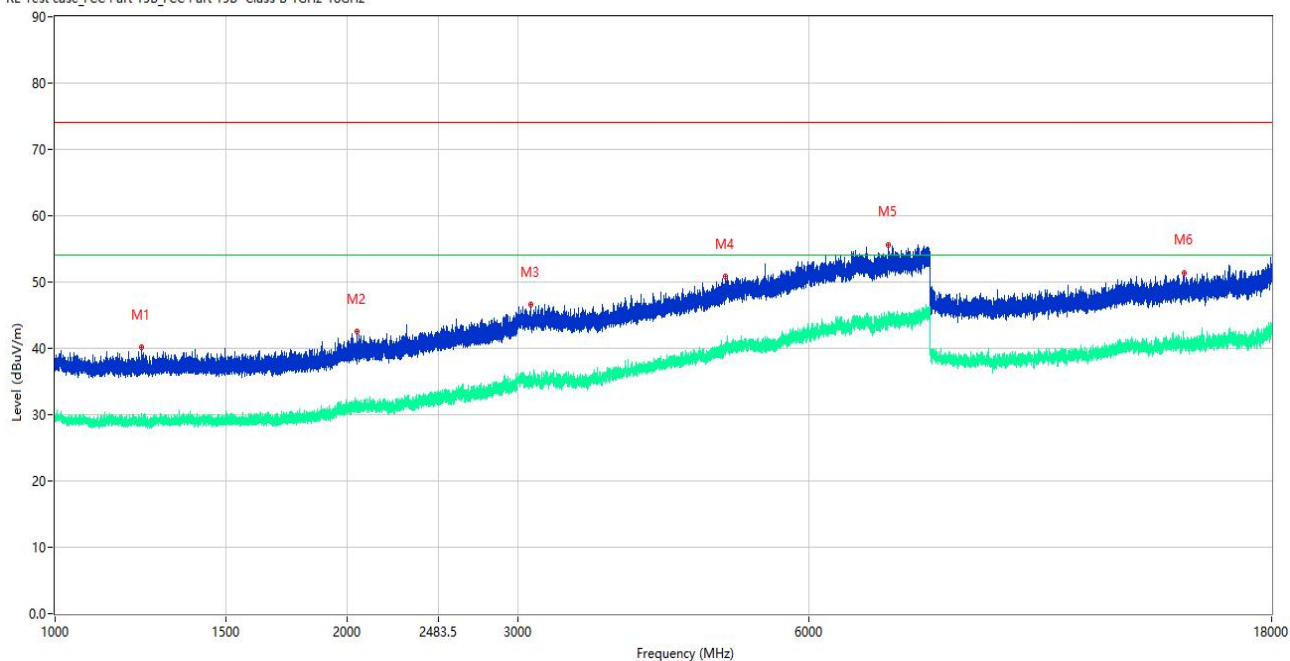


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	67.491	25.85	-28.28	40.0	14.15	Peak	31.00	200	Horizontal	Pass
2	94.747	24.97	-27.04	43.5	18.53	Peak	37.00	200	Horizontal	Pass
3	179.962	21.07	-28.07	43.5	22.43	Peak	267.00	200	Horizontal	Pass
4	337.733	20.48	-22.40	46.0	25.52	Peak	100.00	100	Horizontal	Pass
5	626.841	24.19	-15.16	46.0	21.81	Peak	354.00	100	Horizontal	Pass
6	976.380	30.07	-9.38	54.0	23.93	Peak	3.00	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	2023.09.05	2024.09.04	☒
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9163	9163-624	2021.08.20	2024.08.19	☒
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	/		☒

3) Test Antenna Vertical, 1 GHz – 18 GHz

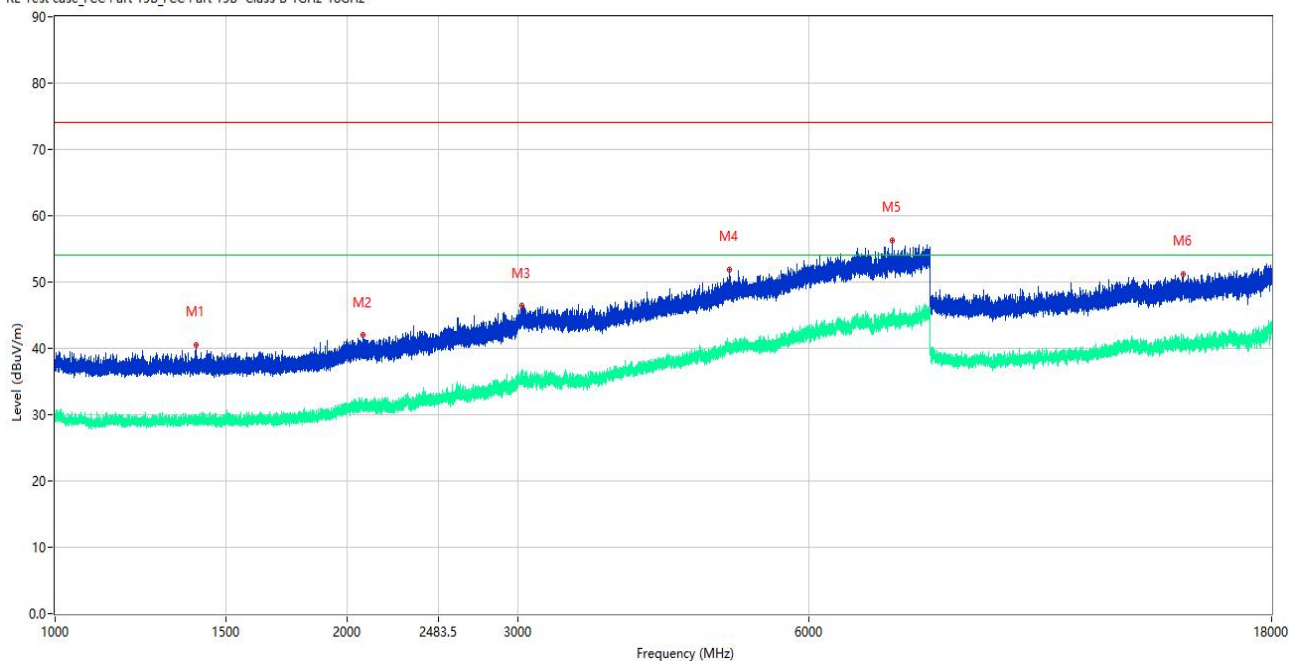
RE Test case_FCC Part 15B_FCC Part 15B Class B 1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1227.100	40.14	-15.06	74.0	33.86	Peak	2.00	100	Vertical	Pass
1**	1227.100	29.29	-15.06	54.0	24.71	AV	2.00	100	Vertical	Pass
2	2050.900	42.50	-12.51	74.0	31.50	Peak	344.00	100	Vertical	Pass
2**	2050.900	31.29	-12.51	54.0	22.71	AV	344.00	100	Vertical	Pass
3	3096.000	46.60	-5.74	74.0	27.40	Peak	14.00	100	Vertical	Pass
3**	3096.000	34.91	-5.74	54.0	19.09	AV	14.00	100	Vertical	Pass
4	4915.000	50.89	-1.19	74.0	23.11	Peak	235.00	100	Vertical	Pass
4**	4915.000	39.84	-1.19	54.0	14.16	AV	235.00	100	Vertical	Pass
5	7240.250	55.60	3.14	74.0	18.40	Peak	218.00	100	Vertical	Pass
5**	7240.250	44.87	3.14	54.0	9.13	AV	218.00	100	Vertical	Pass
6	14636.500	51.39	0.89	74.0	22.61	Peak	261.00	100	Vertical	Pass
6**	14636.500	40.96	0.89	54.0	13.04	AV	261.00	100	Vertical	Pass

4) 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	1397.200	40.59	-15.06	74.0	33.41	Peak	258.00	100	Horizontal	Pass
1**	1397.200	29.27	-15.06	54.0	24.73	AV	258.00	100	Horizontal	Pass
2	2077.300	42.05	-12.60	74.0	31.95	Peak	350.00	100	Horizontal	Pass
2**	2077.300	30.97	-12.60	54.0	23.03	AV	350.00	100	Horizontal	Pass
3	3029.500	46.43	-6.47	74.0	27.57	Peak	21.00	100	Horizontal	Pass
3**	3029.500	34.70	-6.47	54.0	19.30	AV	21.00	100	Horizontal	Pass
4	4964.750	51.79	-1.03	74.0	22.21	Peak	261.00	100	Horizontal	Pass
4**	4964.750	39.78	-1.03	54.0	14.22	AV	261.00	100	Horizontal	Pass
5	7315.250	56.30	2.63	74.0	17.70	Peak	158.00	100	Horizontal	Pass
5**	7315.250	43.81	2.63	54.0	10.19	AV	158.00	100	Horizontal	Pass
6	14586.000	51.24	1.08	74.0	22.76	Peak	0.00	100	Horizontal	Pass
6**	14586.000	41.22	1.08	54.0	12.78	AV	0.00	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	2023.09.05	2024.09.04	☒
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	2021.07.02	2024.07.01	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	1148	2022.04.12	2025.04.11	☒
Test Antenna- Horn	A-INFOMW	LB-180400KF	J211060273	2021.07.02	2024.07.01	☒
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	/		☒

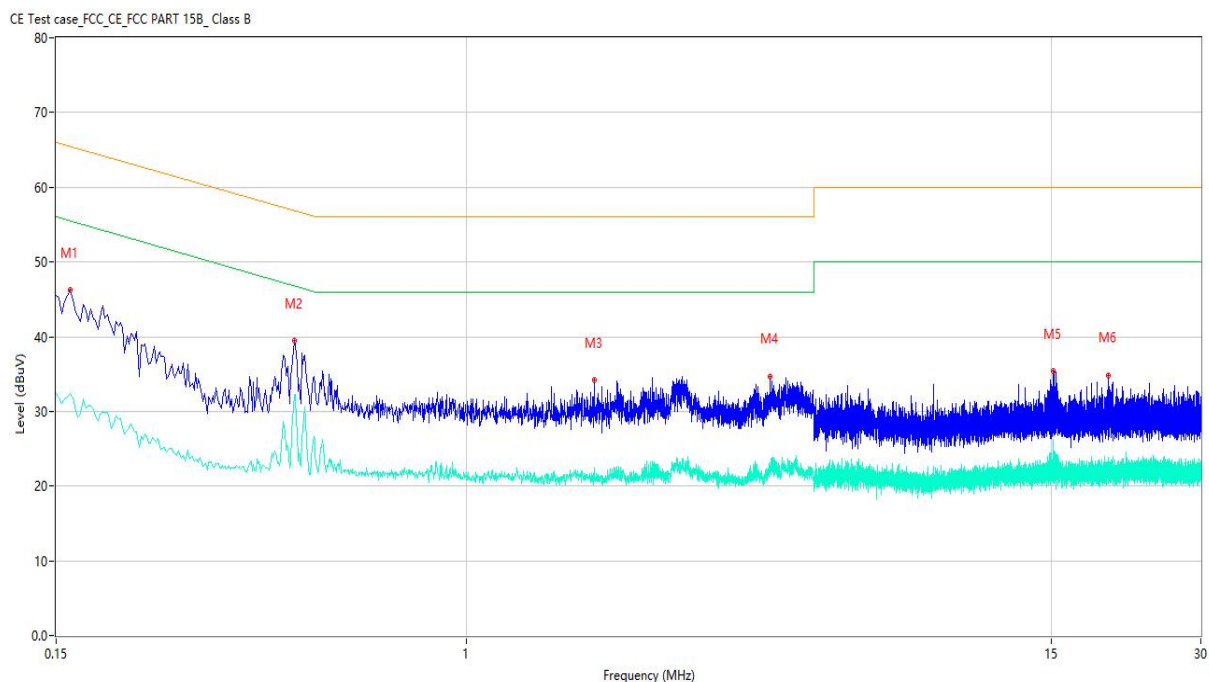
A.2 Conducted Emission, AC Ports

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.	S01	Temperature	22.2℃
Humidity	63%RH	Pressure	101kPa
Test Engineer	Yang Yang	Test Date	2024.05.06

Test Mode 1

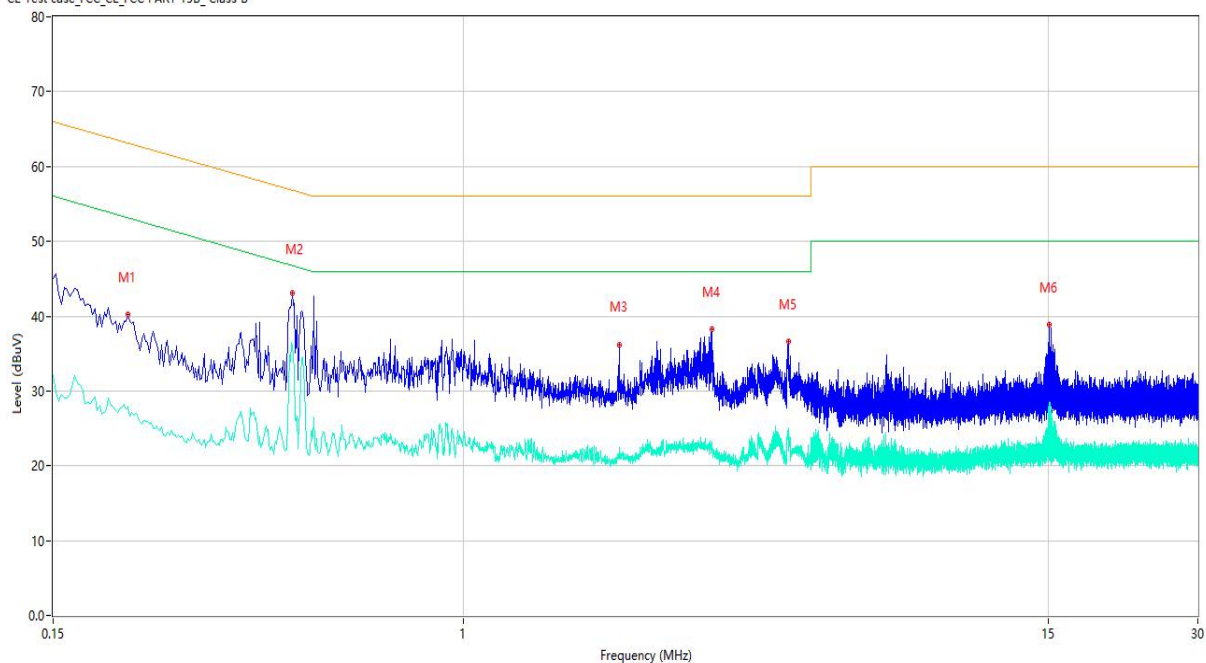
1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	46.28	10.06	65.46	19.18	Peak	L	Pass
1**	0.160	32.42	10.06	55.46	23.04	AV	L	Pass
2	0.452	39.42	10.09	56.84	17.42	Peak	L	Pass
2**	0.452	32.27	10.09	46.84	14.57	AV	L	Pass
3	1.808	34.21	10.23	56.00	21.79	Peak	L	Pass
3**	1.808	22.39	10.23	46.00	23.61	AV	L	Pass
4	4.090	34.71	10.35	56.00	21.29	Peak	L	Pass
4**	4.090	21.85	10.35	46.00	24.15	AV	L	Pass
5	15.124	35.43	10.91	60.00	24.57	Peak	L	Pass
5**	15.124	26.20	10.91	50.00	23.80	AV	L	Pass
6	19.522	34.85	11.30	60.00	25.15	Peak	L	Pass
6**	19.522	23.84	11.30	50.00	26.16	AV	L	Pass

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	0.212	40.17	10.05	63.13	22.96	Peak	N	Pass
1**	0.212	27.92	10.05	53.13	25.21	AV	N	Pass
2	0.454	43.03	10.06	56.80	13.77	Peak	N	Pass
2**	0.454	36.09	10.06	46.80	10.71	AV	N	Pass
3	2.060	36.21	10.13	56.00	19.79	Peak	N	Pass
3**	2.060	21.95	10.13	46.00	24.05	AV	N	Pass
4	3.164	38.20	10.17	56.00	17.80	Peak	N	Pass
4**	3.164	22.65	10.17	46.00	23.35	AV	N	Pass
5	4.514	36.63	10.20	56.00	19.37	Peak	N	Pass
5**	4.514	23.85	10.20	46.00	22.15	AV	N	Pass
6	15.110	38.82	10.72	60.00	21.18	Peak	N	Pass
6**	15.110	28.44	10.72	50.00	21.56	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15	☒
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-SH2440053-AE.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2440053-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2440053-AI.PDF”.

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--END OF REPORT--