



TEST REPORT

Applicant: Zhongshan Polono Electronic Technology Co., Ltd.
Address: No. 132, Tanlong North Road, Tanzhou Town, Zhongshan City, 4th and 5th floors, Building 2, 4th and 5th floors, Building 3, Zhongshan, China
Equipment Type: Mini Thermal Printer
Model Name: PM270
Brand Name: N/A
FCC ID: 2BQIW-PM270
ISED Number: 30531-PM270
Test Standard: 47 CFR Part 15 Subpart C
RSS-210 Issue 11 (2024-06)
RSS-Gen Issue 5 (2021-02)
ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Sample Arrival Date: Jul. 30, 2026
Test Date: Aug. 13, 2026-Aug. 25, 2026
Date of Issue: Sep. 11, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Xiao Tangqi**Checked by:** Xiong Chong**Approved by:** Tolan Tu

(Testing Director)

Xiao Tangqi

Xiong Chong

Tolan Tu

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Sep. 03, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 11, 2026</u>	<u>Updated the "Product Type" to "Portable" in Chapter 2.4 Technical Information</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☐ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
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 CAB identifier number is CN0030. The certification body is American Association for Laboratory Accreditation (A2LA).

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Zhongshan Polono Electronic Technology Co., Ltd.
Address	No. 132, Tanlong North Road, Tanzhou Town, Zhongshan City, 4th and 5th floors, Building 2, 4th and 5th floors, Building 3, Zhongshan, China

2.2 Manufacturer Information

Manufacturer	Zhongshan Polono Electronic Technology Co., Ltd.
Address	No. 132, Tanlong North Road, Tanzhou Town, Zhongshan City, 4th and 5th floors, Building 2, 4th and 5th floors, Building 3, Zhongshan, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mini Thermal Printer
Model Name Under Test	PM270
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	PM270_V3.0
Software Version	0.0.2 2026-07-10
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth, NFC
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The requirement for the following technical information of the EUT was tested in this report:

Modulation Type	ASK
Frequency Range	13.56 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Receiver Categorization	3
Number of channel	1
Tested Channel	1
Antenna Type	Coil Antenna

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Miscellaneous Wireless Communications Services
2	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	American National Standard for Testing Unlicensed Wireless Devices
3	RSS-Gen (Issue 5, Feb. 2021)	General Requirements for Compliance of Radio Apparatus
4	RSS-210 (Issue 11, Jun. 2024)	Licence-Exempt Radio Apparatus: Category I Equipment

3.2 Verdict

No.	Description	FCC Part No.	ISED Part No.	Verdict
1	Antenna Requirement	15.203	RSS-Gen 6.8	Pass ^{Note}
2	Emissions Bandwidth	15.215	RSS-Gen 6.7	Pass
3	Field Strength of Fundamental Emissions	15.225(a)	RSS-210 B.6	Pass
4	Radiated Emissions	15.225(d) 15.209	RSS-210 B.6	Pass
5	Frequency Stability	15.225(e)	RSS-210 B.6	Pass
6	Conducted Emission	15.207	RSS-Gen 8.8	Pass
Note: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203 & RSS-Gen 8.3.				

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)-AMN	3.2 dB
Radiated emissions (9 kHz-30 MHz)-10m#2	3.8 dB
Radiated emissions (30 MHz-1 GHz)-10m#2	4.4 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	30% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	3.7 V

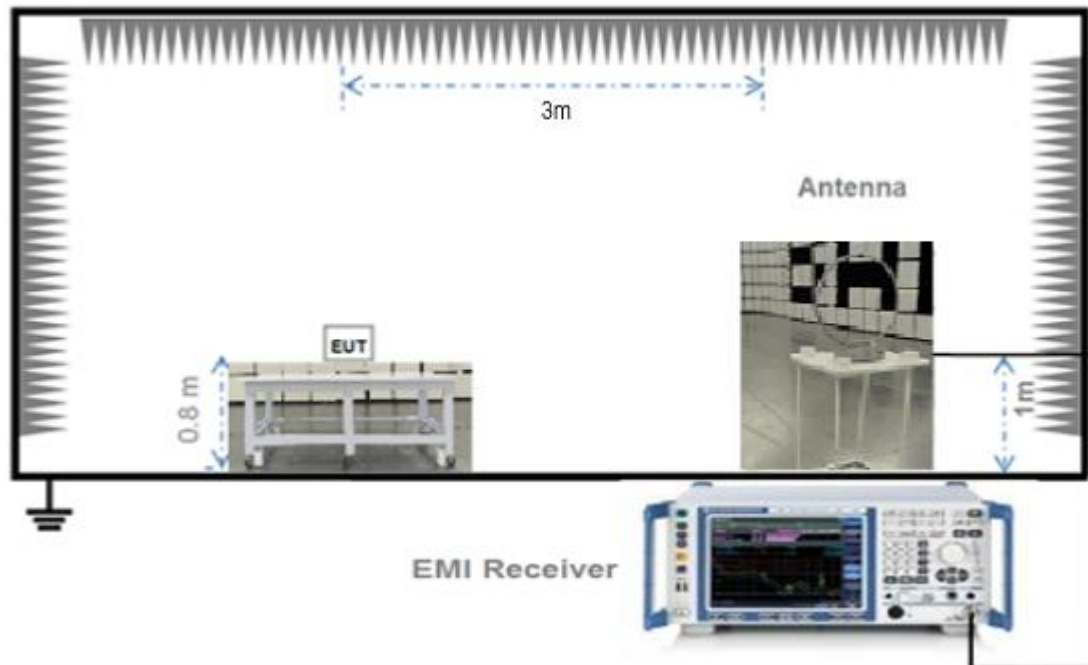
4.2 Test Ancillary Equipment

Ancillary Equipment 1	Adapter	
	Brand Name	XIAOMI
	Model No.	MDY-08-EH
	Serial No.	N/A
Ancillary Equipment 2	DC Source	
	Brand Name	Realme
	Model No.	OP52JAUH
	Serial No.	N/A
Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	N/A
	Serial No.	N/A
	Capacity	1200 mAh
	Rated Voltage	3.7 V
	Limit Charge Voltage	4.2 V
Ancillary Equipment 2	USB Cable	
	Length (Approx.)	0.28 m

4.3 Test Setups

Test Setup 1

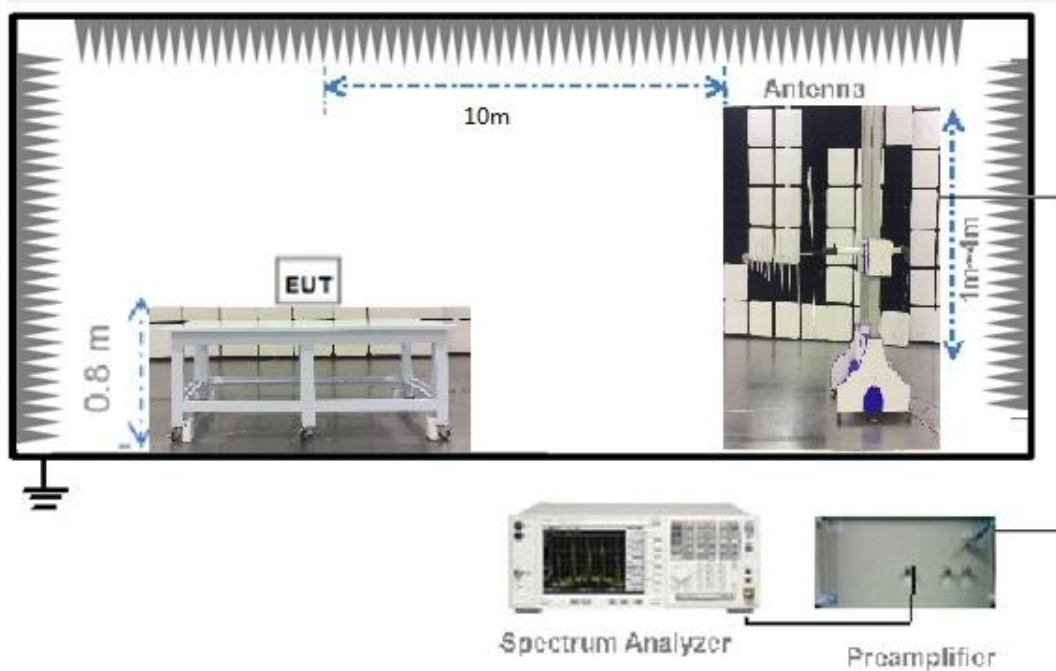
Radiated Test (Below 30 MHz)



(Diagram 1)

Test Setup 2

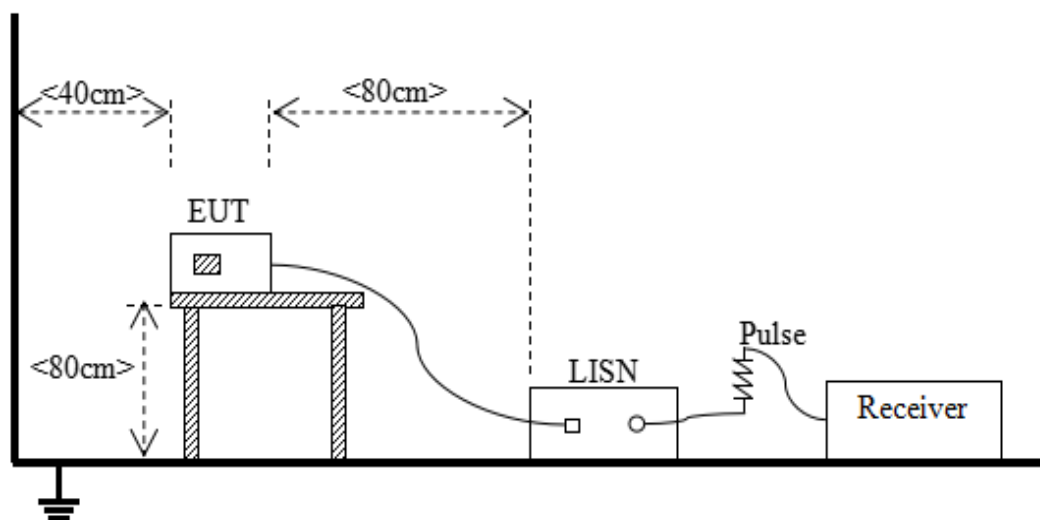
Radiated Test (30 MHz-1 GHz)



(Diagram 2)

Test Setup 3

AC Power Supply Port Test



(Diagram 3)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

RSS-Gen 6.8

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than

the maximum gain indicated for any type listed are strictly prohibited for use with this device. Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer EUT internal photos.

5.2 Emission Bandwidth

5.2.1 Definition

15.215(c);

Intentional radiators operating under the alternative provisions to the general emission limits must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

RSS-Gen 6.7

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
- The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

5.2.2 Test Setup

See section 4.3(Diagram 1) for test setup for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

The 20dB bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.

Use the following spectrum analyzer settings:

Span = between 2 to 5 times the OBW

RBW = 1% to 5% the OBW

VBW $\geq$ 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

The 99% emission bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.

Use the following spectrum analyzer settings:

Span = between 1.5 to 5 times the OBW

RBW = 1% to 5% OBW

VBW $\geq$ 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.2.4 Test Result and Test Equipment List

Please refer to ANNEX A.1

5.3 Field Strength of Fundamental Emissions and Radiated Emissions

5.3.1 Limit

FCC §15.225(a), (b), (c); RSS-210 B.6

According to FCC section 15.225, for <30 MHz, Radiated emissions were measured according to ANSI C63.4. The EUT was set to transmit at the highest output power. The EUT was set 10 meter away from the measuring antenna. The loop antenna was positioned 1 meter above the ground from the center of the loop. The measuring bandwidth was set to 10 kHz. (Note: During testing the receive antenna was rotated about its axis to maximize the emission from the EUT)

There was no detected Restricted bands and Radiated spurious emission below 30MHz. The 30m limit was converted to 3m Limit using square factor(x) as it was found by measurements as follows; 3 m Limit(dBμV/m) = 20log(X)+40log(30/3)= 20log(15848)+40log(30/3) = 124dBμV

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency range (MHz)	Field Strength@30m		Field Strength@10m	Field Strength@3m
	μV/m	dBμV/m	dBμV/m	dBμV/m
Below 13.110	30	29.5	48.58	69.5
13.110 ~ 13.410	106	40.5	59.58	80.5
13.410 ~ 13.553	334	50.5	69.58	90.5
13.553 ~13.567	15848	84	103.08	124
13.567 ~ 13.710	334	50.5	69.58	90.5
13.710 ~14.010	106	40.5	59.58	80.5
Above 14.010	30	29.5	48.58	69.5

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.

FCC §15.225(d)

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
2. For above 1000 MHz, limit field strength of harmonics: 54dB μ V/m@3m (AV) and 74dB μ V/m@3m (PK).

5.3.2 Test Setup

See section 4.3(Diagram 1 and Diagram 2) for test setup for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. 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. The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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 $30 \text{ MHz} < f < 1 \text{ GHz}$, 10 kHz for $150 \text{ kHz} < f < 30 \text{ MHz}$, 300 Hz for $f < 150 \text{ kHz}$

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.3.4 Test Result and Test Equipment List

Please refer to ANNEX A.2 and A.3

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

5.4 Frequency Tolerance

5.4.1 Limit

FCC §15.225(e)

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

RSS-210 B.6

(a) at the temperatures of -30°C (-22°F), $+20^{\circ}\text{C}$ ($+68^{\circ}\text{F}$) and $+50^{\circ}\text{C}$ ($+122^{\circ}\text{F}$), and at the manufacturer's rated supply voltage; and

(b) at the temperature of $+20^{\circ}\text{C}$ ($+68^{\circ}\text{F}$) and at $\pm 15\%$ of the manufacturer's rated supply voltage.

If the frequency stability limits are only met within a temperature range that is smaller than the -30°C to $+50^{\circ}\text{C}$ range specified in (a), the frequency stability requirement will be deemed to be met if the transmitter is automatically prevented from operating outside this smaller temperature range and if the published operating characteristics for the equipment are revised to reflect this restricted temperature range.

5.4.2 Test Setup

See section 4.3(Diagram 1) for test setup for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

1. The test is performed in a Temperature Chamber.
2. The EUT is configured as MS + DC Power Supply.

5.4.4 Test Result and Test Equipment List

Please refer to ANNEX A.4.

5.5 Conducted Emission

5.5.1 Limit

FCC §15.207; RSS-Gen

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.5.2 Test Setup

See section 4.3(Diagram 3) for test setup for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels 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. Refer to recorded points and plots below.

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.

5.5.4 Test Result and Test Equipment List

Please refer to ANNEX A.5.

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 RESULT

A.1 Emission Bandwidth

Note: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

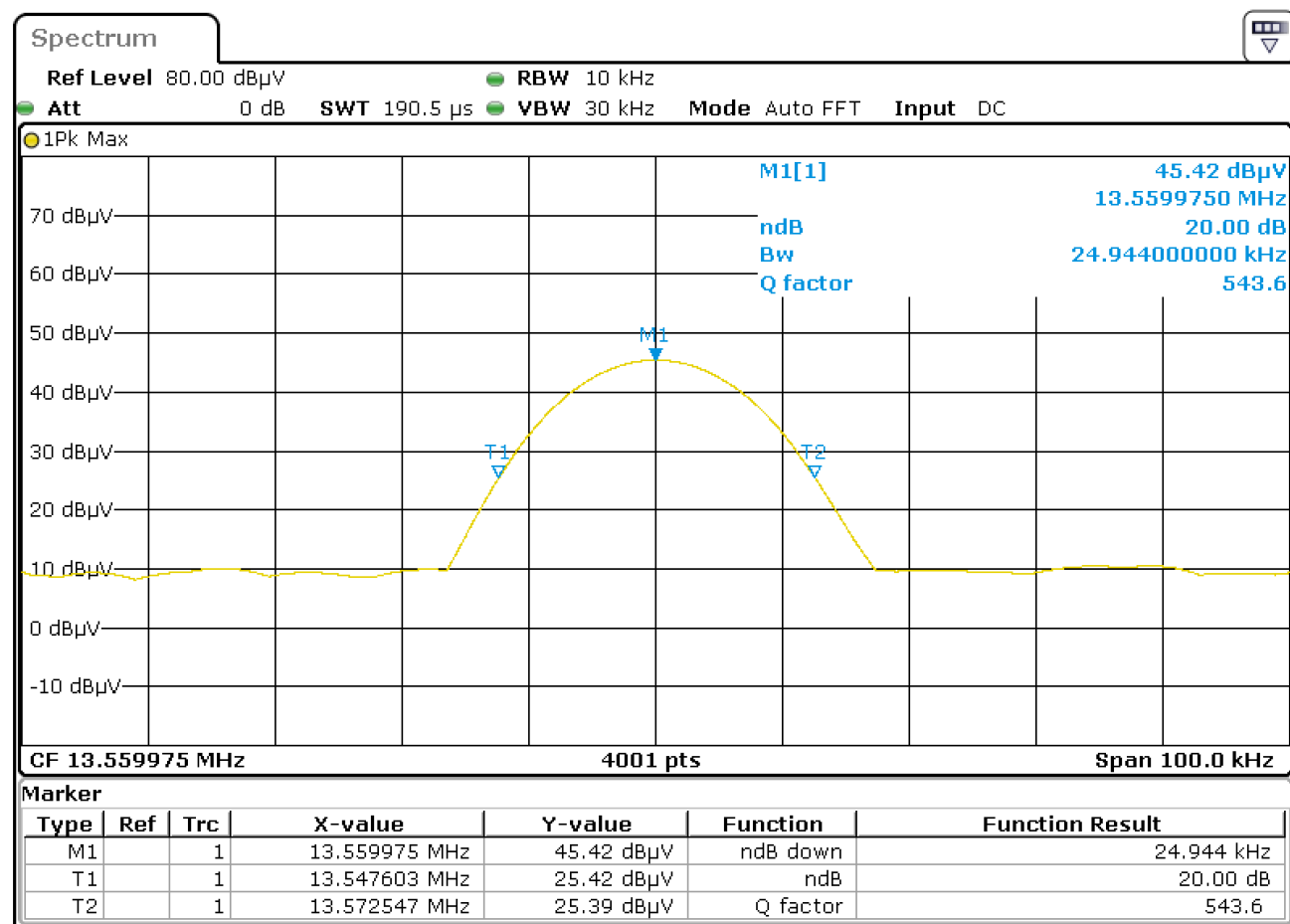
Sample No.	EE26070217--001-S02	Temperature	23.1 °C
Humidity	65%RH	Pressure	99.7kPa
Test Engineer	Zhou Hoanan	Test date	2026.08.25

Test Data

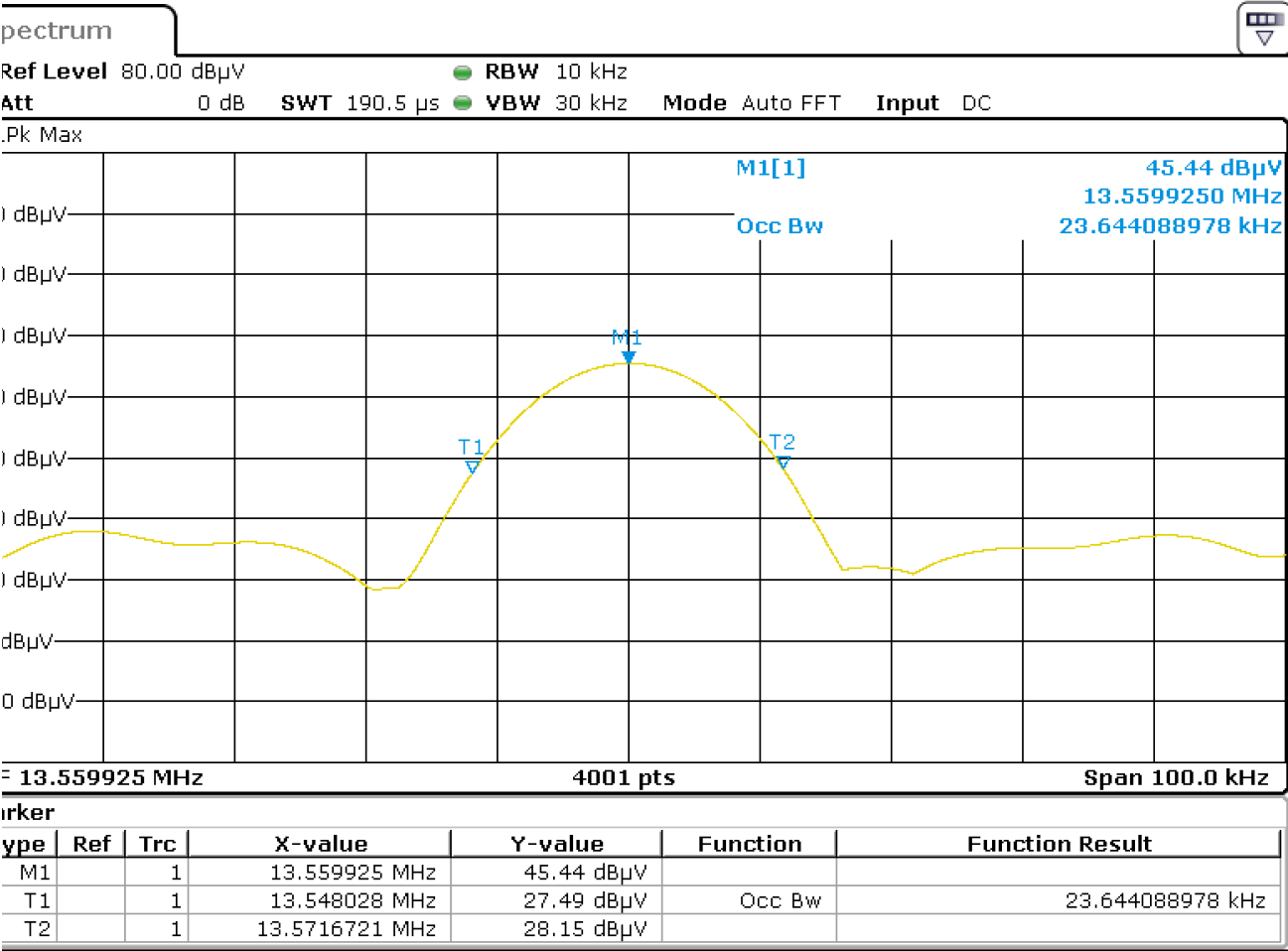
Frequency (MHz)	Emission Bandwidth(20dB down) (kHz)	Occupied Bandwidth(99%) (kHz)
13.5600	24.944	23.644

Test Plots

Emission Bandwidth



99% Occupied Bandwidth



Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29	☒
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Anechoic Chamber(10m#2)	YiHeng	21m*11m*8m	101-1	2025.10.16	2028.10.15	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

A.2 Field Strength of Fundamental Emissions

Note: Field Strength of Fundamental Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.

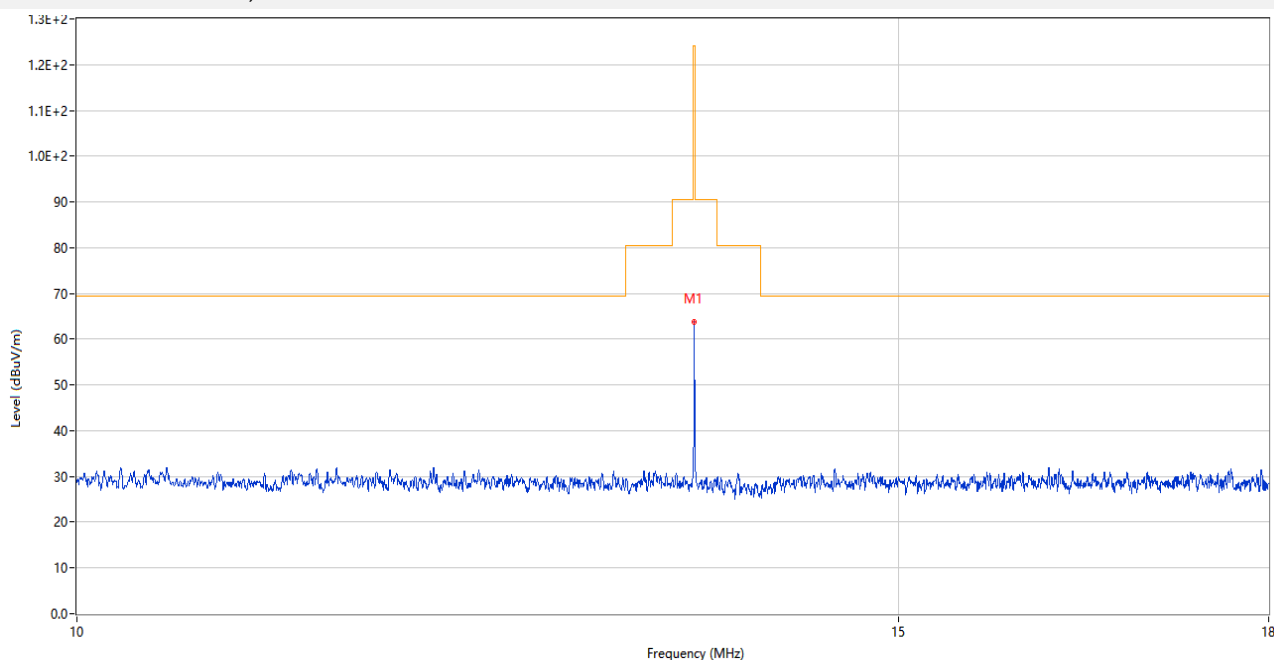
Sample No.	EE26070217--001-S02	Temperature	23.1℃
Humidity	65%RH	Pressure	99.7kPa
Test Engineer	Zhou Hoanan	Test date	2026.08.25

Test Data

Field Strength of Fundamental Emissions Value					
Frequency (MHz)	Detector	Field Strength (dBμV/m)	Limit @3m (dBμV/m)	EUT	Margin (dB)
13.560	PEAK	63.84	124.0	Y axis	60.16

Test Plot

Test Antenna-LOOP, EUT X axis



Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29	☒
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Anechoic Chamber(10m#2)	YiHeng	21m*11m*8m	101-1	2025.10.16	2028.10.15	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

A.3 Radiated Emissions

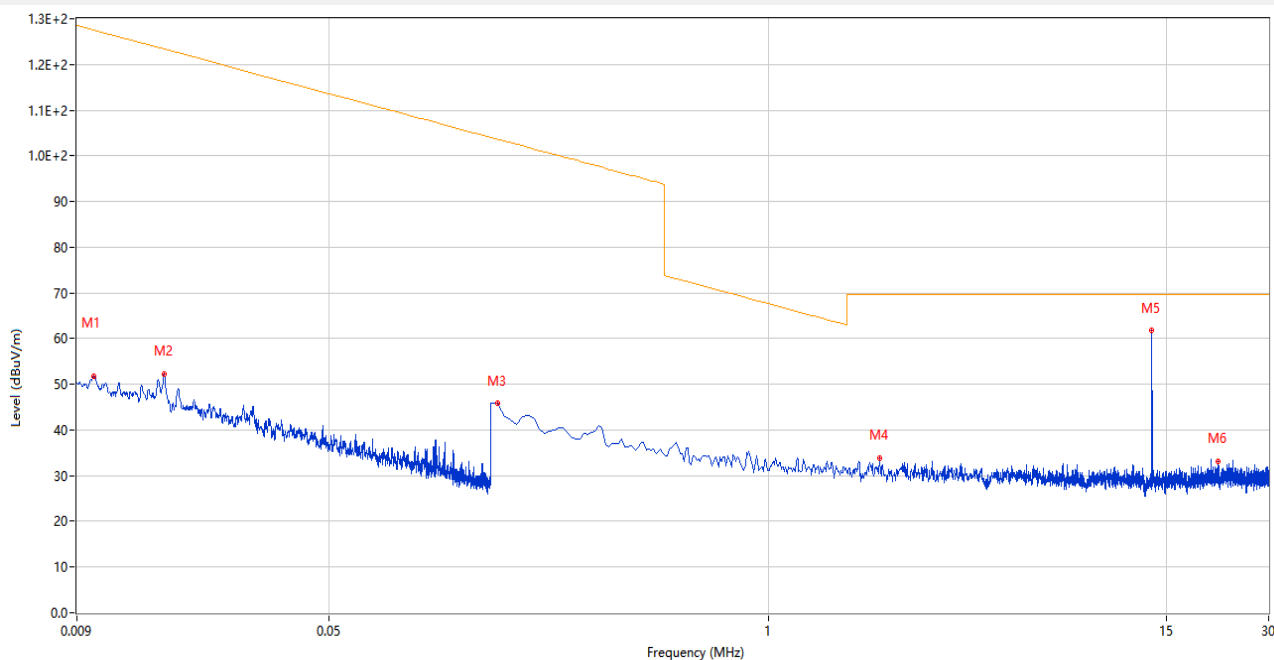
Note 1: This frequency which near 13.560 MHz with circle should be ignored because they are NFC carrier frequency.

Note 2: All Radiated Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.

The Data and Plots (9 kHz ~ 30 MHz)(at 10m chamber)

Sample No.	EE26070217--001-S02	Temperature	23.1 °C
Humidity	65%RH	Pressure	99.7kPa
Test Engineer	Zhou Hoanan	Test date	2026.08.25

Below 30 MHz, Test Antenna LOOP, EUT X axis



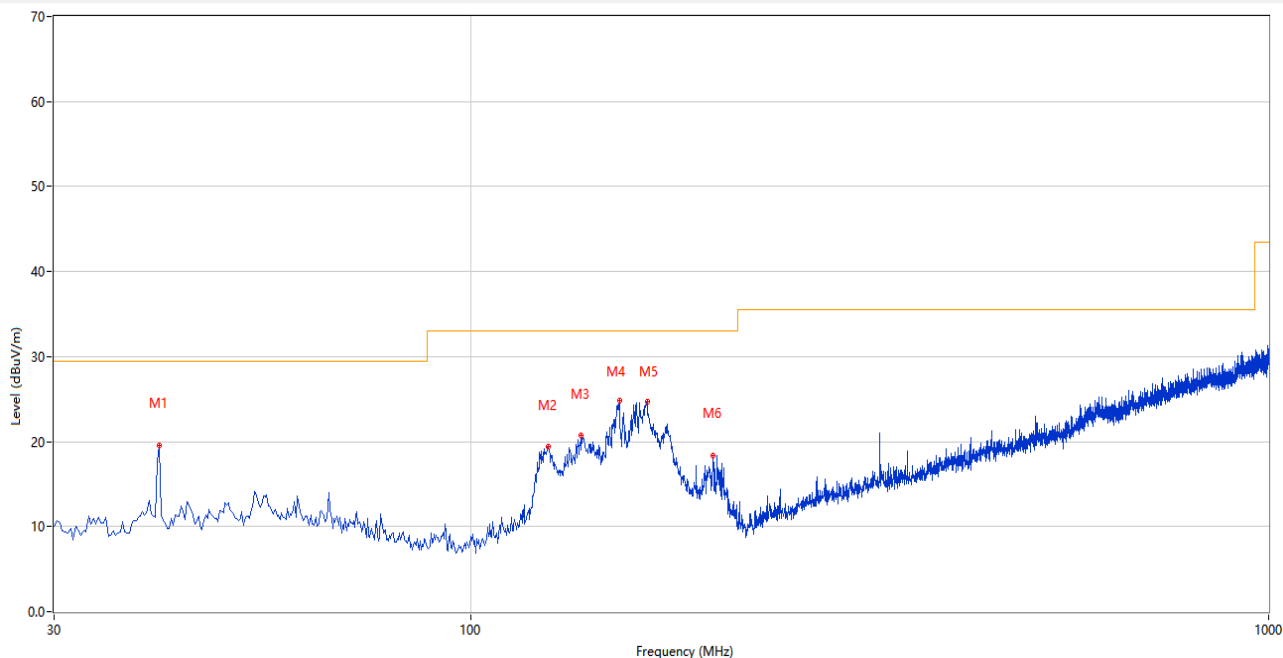
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.010	51.76	19.73	127.5	75.74	Peak	37.00	200	Horizontal	Pass
2	0.016	52.31	19.76	123.4	71.09	Peak	133.00	200	Horizontal	Pass
3	0.157	45.78	19.84	103.7	57.92	Peak	196.00	200	Horizontal	Pass
4	2.120	33.97	20.27	69.5	35.53	Peak	249.00	200	Horizontal	Pass
5	13.560	61.81	20.97	69.5	7.69	Peak	192.00	200	Horizontal	N/A
6	21.269	33.19	21.33	69.5	36.31	Peak	130.00	200	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29	☒
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Anechoic Chamber(10m#2)	YiHeng	21m*11m*8m	101-1	2025.10.16	2028.10.15	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

The Data and Plots (30 MHz ~ 10th Harmonic)

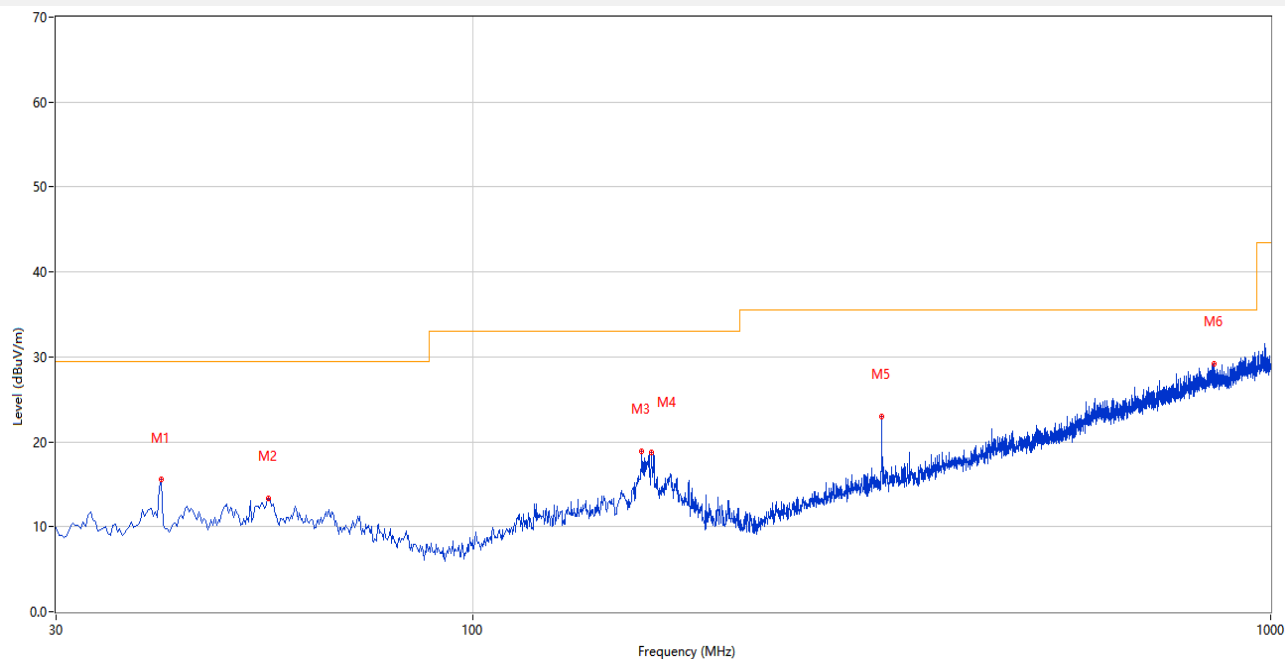
Sample No.	EE26070217--001-S02	Temperature	23.1℃
Humidity	65%RH	Pressure	99.7kPa
Test Engineer	Zhou Hoanan	Test date	2026.08.25

30 MHz to 1 GHz, Test Antenna Vertical, EUT X axis



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.667	19.52	-29.47	29.5	9.98	Peak	0.00	100	Vertical	Pass
2	124.794	19.36	-30.24	33.0	13.64	Peak	203.00	100	Vertical	Pass
3	137.401	20.69	-29.09	33.0	12.31	Peak	360.00	200	Vertical	Pass
4	153.402	24.85	-28.05	33.0	8.15	Peak	0.00	100	Vertical	Pass
5	166.251	24.71	-28.39	33.0	8.29	Peak	135.00	100	Vertical	Pass
6	201.162	18.39	-31.26	33.0	14.61	Peak	0.00	100	Vertical	Pass

30 MHz to 1 GHz, Test Antenna Horizontal, EUT X axis



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.667	15.53	-29.47	29.5	13.97	Peak	291.00	100	Horizontal	Pass
2	55.456	13.39	-29.25	29.5	16.11	Peak	3.00	200	Horizontal	Pass
3	162.857	18.87	-28.04	33.0	14.13	Peak	204.00	200	Horizontal	Pass
4	167.221	18.70	-28.31	33.0	14.30	Peak	222.00	200	Horizontal	Pass
5	325.291	23.00	-25.89	35.5	12.50	Peak	27.00	200	Horizontal	Pass
6	848.233	29.17	-13.13	35.5	6.33	Peak	204.00	200	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29	☒
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2018054558	2025.11.26	2026.11.25	☒
Test Antenna- Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9168	00883	2025.03.23	2028.03.22	☒
Anechoic Chamber(10m#2)	YiHeng	21m*11m*8m	101-1	2025.10.16	2028.10.15	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

A.4 Frequency Stability

Note 1: Because the 85%(3.145V) and 115% (4.255V)of the rated supply voltage value exceeds the cut-off voltage upper(4.2V) and lower(3.3V) limit of the manufacturer, the cut-off voltage of EUT is test here.

OPERATING FREQUENCY:	13560000 Hz
REFERENCE VOLTAGE:	3.7 V
DEVIATION LIMIT:	$\pm 0.01\%$

VOLTAGE (%)	Test Conditions		Frequency(Hz)	Deviation(%)	Verdict
	Power (VDC)	Temperature (°C)			
100	3.7	-30	13560112	0.000826	Pass
100		-20	13560100	0.000737	Pass
100		-10	13560110	0.000811	Pass
100		0	13559934	-0.000487	Pass
100		+10	13559971	-0.000214	Pass
100		+20	13559934	-0.000487	Pass
100		+25	13559963	-0.000273	Pass
100		+30	13559985	-0.000111	Pass
100		+40	13559974	-0.000192	Pass
100		+50	13559934	-0.000487	Pass
MAX(Battery End Point, 85)	3.3	+20	13560115	0.000848	Pass
MIN(Battery End Point, 115)	4.2	+20	13560121	0.000892	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29	☒
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22	☒
Temperature Chamber	ANGELANTONI	NTH64-40A	1310	2025.11.03	2026.11.02	☒
Anechoic Chamber(10m#2)	YiHeng	21m*11m*8m	101-1	2025.10.16	2028.10.15	☒
DC Source	ITECH	IT6873A	/	/	/	☒

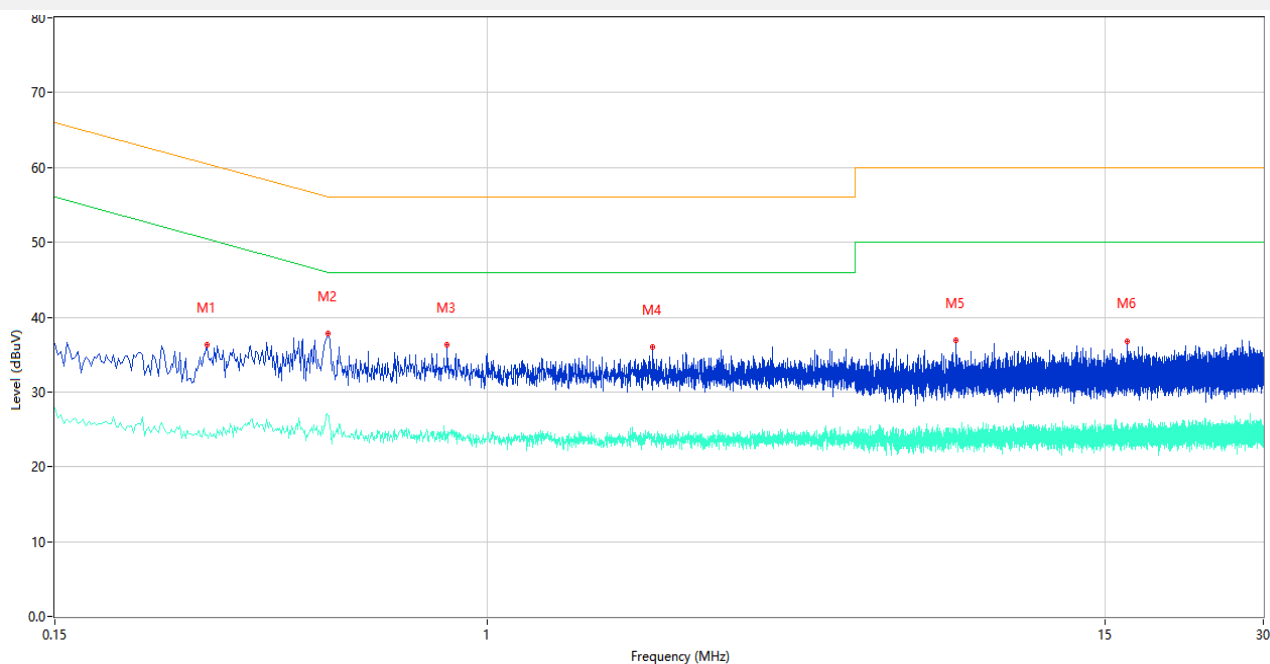
A.5 Conducted Emissions

Note 1: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 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.

Test Data and Plots

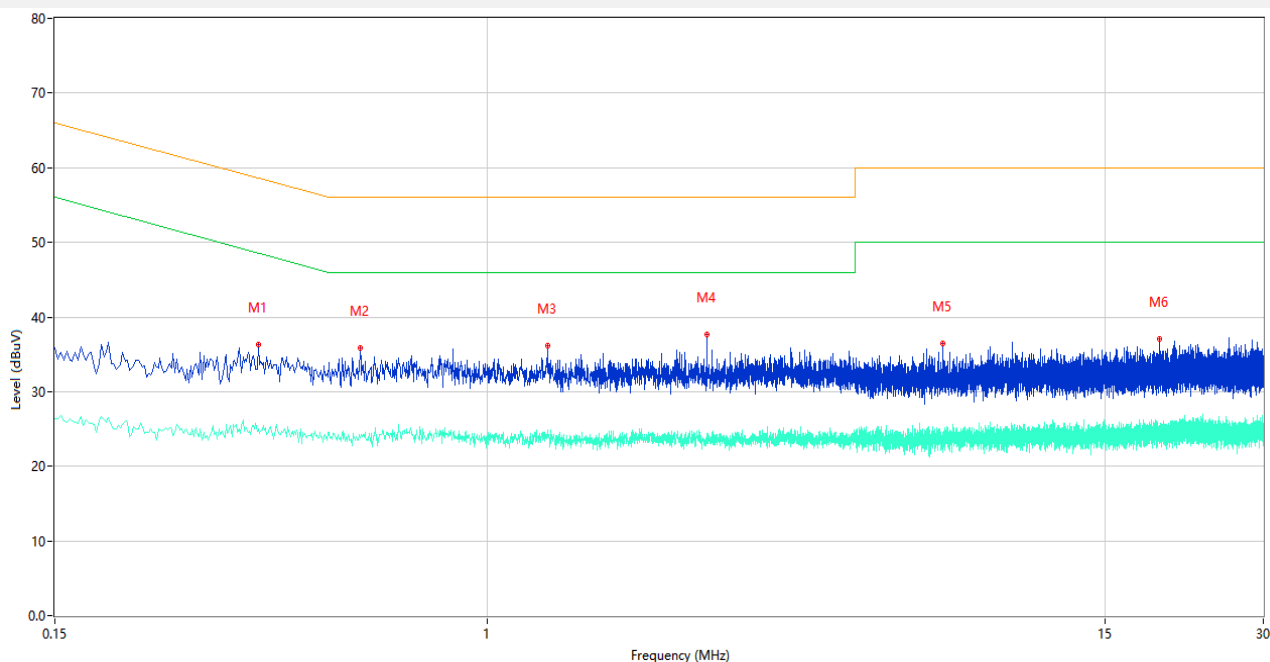
Sample No.	EE26070217--001-S02	Temperature	25.1℃
Humidity	42%RH	Pressure	99.8kPa
Test Engineer	Zhou Hoanan	Test date	2026.08.13

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.292	36.31	9.73	60.47	24.16	Peak	L	Pass
1**	0.292	24.26	9.73	50.47	26.21	AV	L	Pass
2	0.496	37.79	9.95	56.07	18.28	Peak	L	Pass
2**	0.496	26.75	9.95	46.07	19.32	AV	L	Pass
3	0.838	36.25	10.57	56.00	19.75	Peak	L	Pass
3**	0.838	24.46	10.57	46.00	21.54	AV	L	Pass
4	2.064	35.94	10.26	56.00	20.06	Peak	L	Pass
4**	2.064	23.35	10.26	46.00	22.65	AV	L	Pass
5	7.810	36.86	10.22	60.00	23.14	Peak	L	Pass
5**	7.810	24.26	10.22	50.00	25.74	AV	L	Pass
6	16.530	36.81	10.66	60.00	23.19	Peak	L	Pass
6**	16.530	25.71	10.66	50.00	24.29	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.366	36.29	10.66	58.59	22.30	Peak	N	Pass
1**	0.366	25.07	10.66	48.59	23.52	AV	N	Pass
2	0.572	35.81	10.06	56.00	20.19	Peak	N	Pass
2**	0.572	23.78	10.06	46.00	22.22	AV	N	Pass
3	1.302	36.08	10.46	56.00	19.92	Peak	N	Pass
3**	1.302	24.79	10.46	46.00	21.21	AV	N	Pass
4	2.620	37.68	9.90	56.00	18.32	Peak	N	Pass
4**	2.620	24.37	9.90	46.00	21.63	AV	N	Pass
5	7.370	36.40	10.07	60.00	23.60	Peak	N	Pass
5**	7.370	23.68	10.07	50.00	26.32	AV	N	Pass
6	19.054	37.10	10.57	60.00	22.90	Peak	N	Pass
6**	19.054	24.69	10.57	50.00	25.31	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2025.09.25	2026.09.24	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2026.03.25	2027.03.24	☒
Shielded Room	ChangChuang	4m*4m*3m	662	2025.10.12	2028.10.11	☒
Description	Manufacturer	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26070802-AE-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26070802-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26070802-AI.PDF”.

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--END OF REPORT--