

# TEST REPORT

**Applicant:** INFINIX MOBILITY LIMITED  
**Address:** FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG  
**Equipment Type:** Mobile Phone  
**Model Name:** X6852  
**Brand Name:** Infinix  
**FCC ID:** 2AIZN-X6852  
**Test Standard:** 47 CFR Part 15 Subpart C ANSI C63.10-2020  
**Sample Arrival Date:** Jan. 03, 2024  
**Test Date:** Jan. 16, 2024 - Jan. 31, 2024  
**Date of Issue:** Feb. 28, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Zhang Guoxi

**Checked by:** Zhenxiang Liu

**Approved by:** Liao Jianming  
(Technical Director)

*Zhang Guoxi*

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*Liao Jianming*

<b>Revision History</b>		
Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Feb. 28, 2024</u>	<u>Initial Issue</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 Technical Information .....	5
3 SUMMARY OF TEST RESULTS .....	6
3.1 Test Standards .....	6
3.2 Verdict.....	6
3.3 Test Uncertainty .....	6
4 GENERAL TEST CONFIGURATIONS.....	7
4.1 Test Environments .....	7
4.2 Test Setups.....	7
5 TEST ITEMS.....	9
5.1 Antenna Requirements.....	9
5.2 Emission Tests.....	10
ANNEX A TEST RESULTS.....	14
A.1 Radiated Emission .....	14
A.2 Conducted Emission .....	24
A.3 20 dB Bandwidth.....	25
ANNEX B TEST SETUP PHOTOS .....	29
ANNEX C EUT EXTERNAL PHOTOS .....	29
ANNEX D EUT INTERNAL PHOTOS .....	29

# 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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

### 2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

### 2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	X6852
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 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/66 TDD LTE Band 38/41/42 5G Network SA: NR n5/n7/12/n38/n41/n66/n77/n78 NSA(EN-DC): DC_2A_n7A, DC_2A_n66A, DC_2A_n78A, DC_4A_n41A, DC_4A_n78A, DC_5A_n7A, DC_5A_n38A, DC_5A_n41A, DC_5A_n66A, DC_5A_n77A, DC_5A_n78A, DC_7A_n7A, DC_7A_n66A, DC_7A_n77A, DC_7A_n78A, DC_38A_n78A, DC_41A_n41A, DC_41A_n77A, DC_41A_n78A, DC_66A_n7A, DC_66A_n38A, DC_66A_n41A, DC_66A_n66A, DC_66A_n77A, DC_66A_n78A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, Galileo, BDS, NFC, FM receiver
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The requirement for the following technical information of the EUT was tested in this report:

Modulation Type	ASK
Frequency Range	110 KHz- 148KHz
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	Intentional Radiators
2	ANSI C63.10-2020	American National Standard for Testing Unlicensed Wireless Devices

#### 3.2 Verdict

No.	Description	FCC Part No.	Verdict
1	Antenna Requirement	15.203	Pass <sup>Note 1</sup>
2	Radiated Emission	15.209,15.215(b)	Pass
3	Conducted Emission, AC Ports	15.207	N/A <sup>Note 2</sup>
4	20 dB Bandwidth	15.215(c)	Pass

Note 1: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note 2: The prototype cannot open the reverse wireless charging function while in charging mode.

#### 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 (9 kHz-30 MHz)	4.3 dB
Radiated emissions (30 MHz-1 GHz)-3m	4.8 dB
Radiated emissions (1 GHz-18 GHz)-3m	4.9 dB

## 4 GENERAL TEST CONFIGURATIONS

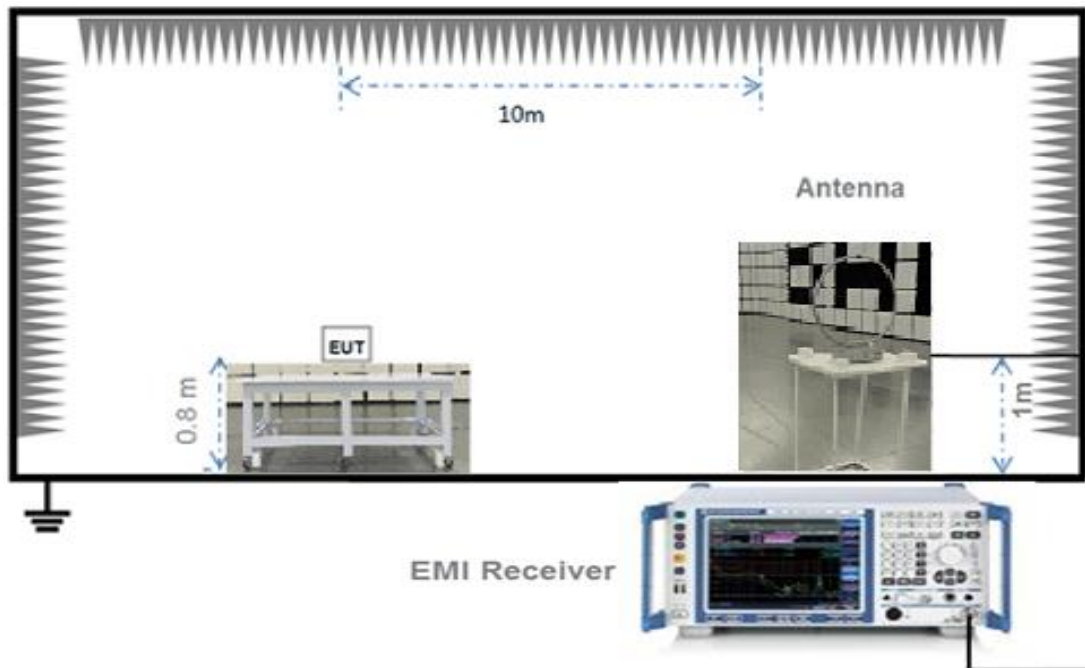
### 4.1 Test Environments

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)	DC 3.87V

### 4.2 Test Setups

#### Test Setup 1

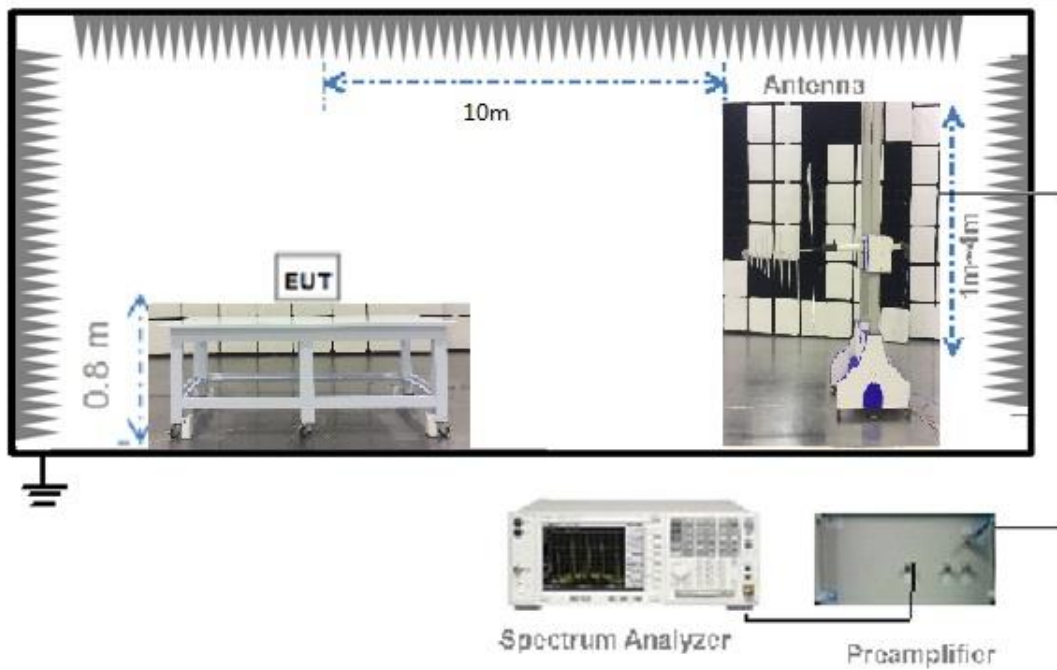
Radiated Test (Below 30 MHz)



(Diagram 1)

### Test Setup 2

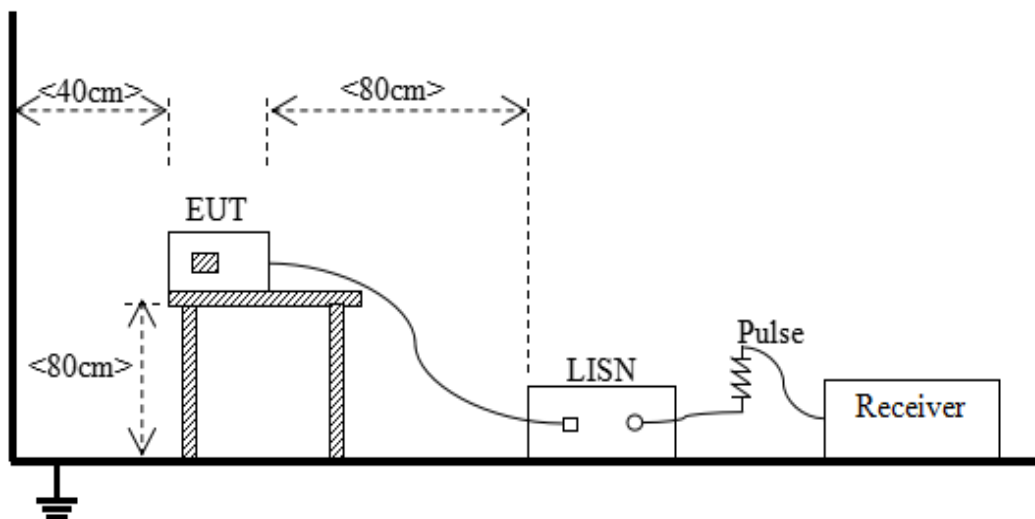
Radiated Test (30 MHz-1 GHz)



(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.

#### 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 Tests

### 5.2.1 Radiated Emission

#### 5.2.1.1 Limit

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	Measurement Distance (m)
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) Field Strength ( $\text{dB}\mu\text{V}/\text{m}$ ) =  $20 \cdot \log$  [Field Strength ( $\mu\text{V}/\text{m}$ )].
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For above 1000 MHz, limit field strength of harmonics:  $54 \text{ dB}\mu\text{V}/\text{m}@3 \text{ m}$  (AV) and  $74 \text{ dB}\mu\text{V}/\text{m}@3 \text{ m}$  (PK)
- 4) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). For example, at the frequency 9 kHz, limit @10m =  $20 \cdot \log (2400/f) + 40 \log (d_{\text{limit}}/d_{\text{measure}})$  where limit = 300m,  $d_{\text{measure}}=10\text{m}$ . limit @10m =  $20 \cdot \log (2400/9) + 40 \log (300/10) = 107.5 \text{ (dB}\mu\text{V}/\text{m)}$ .
- 5) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided, When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements). For example, at the frequency 30 MHz, limit @10m =  $20 \cdot \log (100) + 20 \log (d_{\text{limit}}/d_{\text{measure}})$  where limit = 3m,  $d_{\text{measure}}=10\text{m}$ . limit @10m =  $20 \cdot \log (100) + 20 \log (3/10) = 29.5 \text{ (dB}\mu\text{V}/\text{m)}$ .

#### 5.2.1.2 Test Setup

Refer to 4.2 section (test setup 1 to test setup 2) for radiated emission test, the photo of test setup please refer to ANNEX B.

#### 5.2.1.3 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  $0^\circ$  to  $360^\circ$ , 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  $30 \text{ MHz} < f < 1$  GHz, 10 kHz for  $150 \text{ kHz} < f < 30$  MHz,  
300 Hz for  $f < 150$  kHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 5.2.1.4 Test Result and Test Equipment List

Please refer to ANNEX A.1.

NOTE:

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

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

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain (dB)

3. Margin = Limit – Results

## 5.2.2 Conduct Emission

### 5.2.2.1 Test Limit

Frequency range (MHz)	Conducted Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- 1) The limit is applicable to Class B ITE.
- 2) The lower limit shall apply at the band edges.
- 3) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

### 5.2.2.2 Test Setup

Refer to 4.2 section test (test setup 3) for conducted emission, the photo of test setup please refer to ANNEX B.

### 5.2.2.3 Test Procedure

The EUT is connected to the power mains through a LISN which provides 50  $\Omega$ /50  $\mu$ 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.

### 5.2.2.4 Test Result and Test Equipment List

Please refer to ANNEX A.2.

NOTE:

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

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

2. Factor = Insertion loss + Cable loss
3. Margin = Limit – Results

### 5.2.3 20 dB Bandwidth

#### 5.2.3.1 Limit

FCC §15.215(c)

The 20 dB bandwidth is known as the 99% emission bandwidth, or 20 dB bandwidth ( $10 \cdot \log 1\% = 20$  dB) taking the total RF output power.

#### 5.2.3.2 Test Setup

Refer to 4.2 section test (test setup 1) for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

#### 5.2.3.3 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

The EUT should be transmitting at its maximum data rate, Allow the trace to stabilize.

#### 5.2.3.4 Test Result and Test Equipment List

Please refer to ANNEX A.3.

# ANNEX A TEST RESULTS

## A.1 Radiated Emission

Note 1: This frequency which near 126 kHz with circle should be ignored because they are Qi carrier frequency.

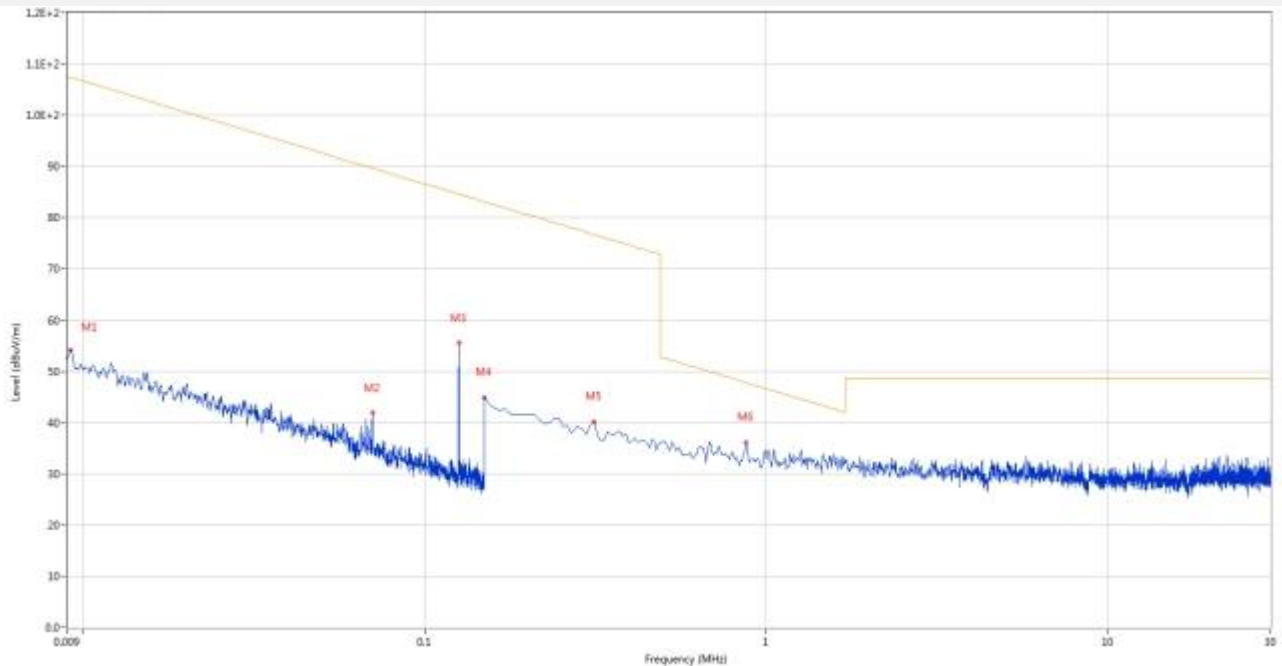
Note 2: All Radiated Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.

### Mode 1

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

Sample No.	S02	Temperature	25.4°C
Humidity	47%RH	Pressure	101kPa
Test Engineer	Xi Zifeng	Test date	2024.01.16

Below 30 MHz, Test Antenna LOOP, EUT X axis



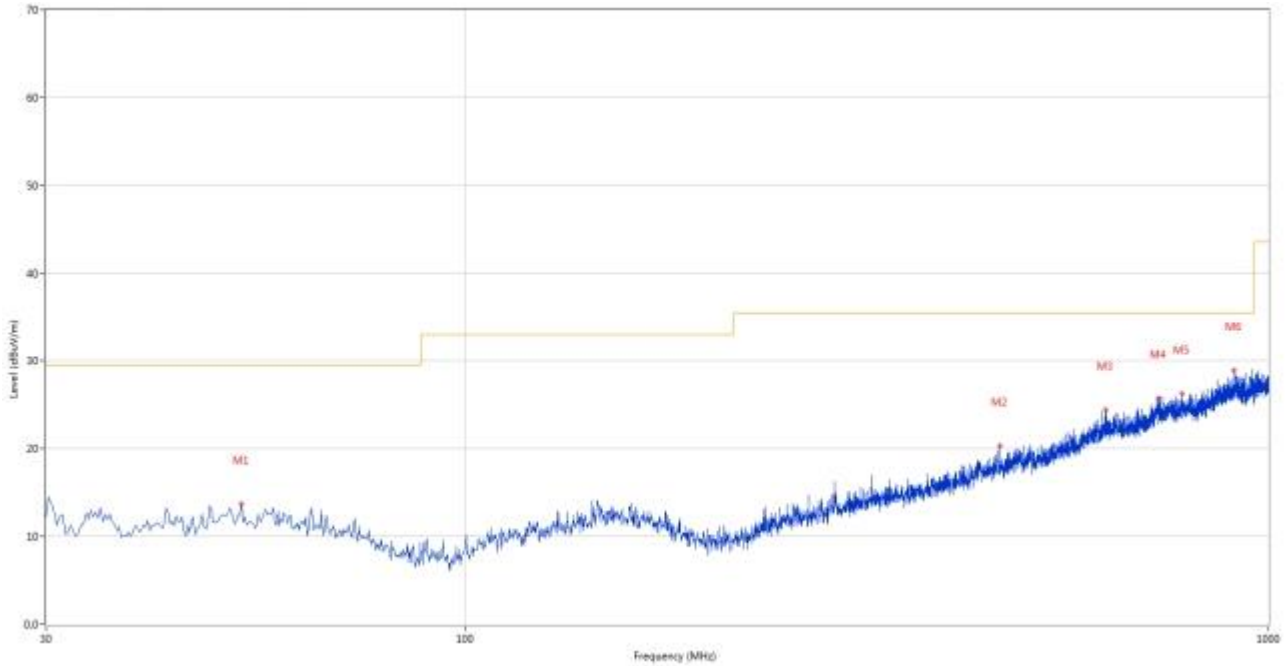
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.009	54.13	19.89	107.3	53.17	Peak	249.00	0	Horizontal	Pass
2	0.070	41.81	20.17	89.6	47.79	Peak	298.00	0	Horizontal	Pass
3	0.126	55.45	20.15	84.6	29.15	Peak	205.00	0	Horizontal	Pass
4	0.150	28.69	20.15	83.1	54.41	Peak	129.00	0	Horizontal	Pass
5	0.314	40.12	20.15	76.7	36.58	Peak	251.00	0	Horizontal	Pass
6	0.874	36.09	20.51	47.8	11.71	Peak	306.00	0	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency 9 kHz-30 MHz						
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15	<input checked="" type="checkbox"/>
Anechoic Chamber (10M)	EMC TECHNOLOGY LTD	20.1m*11.6m*7.35m	130	2021.08.15	2024.08.14	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

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

Sample No.	S02	Temperature	25.4°C
Humidity	47%RH	Pressure	101kPa
Test Engineer	Xi Zifeng	Test date	2024.01.17

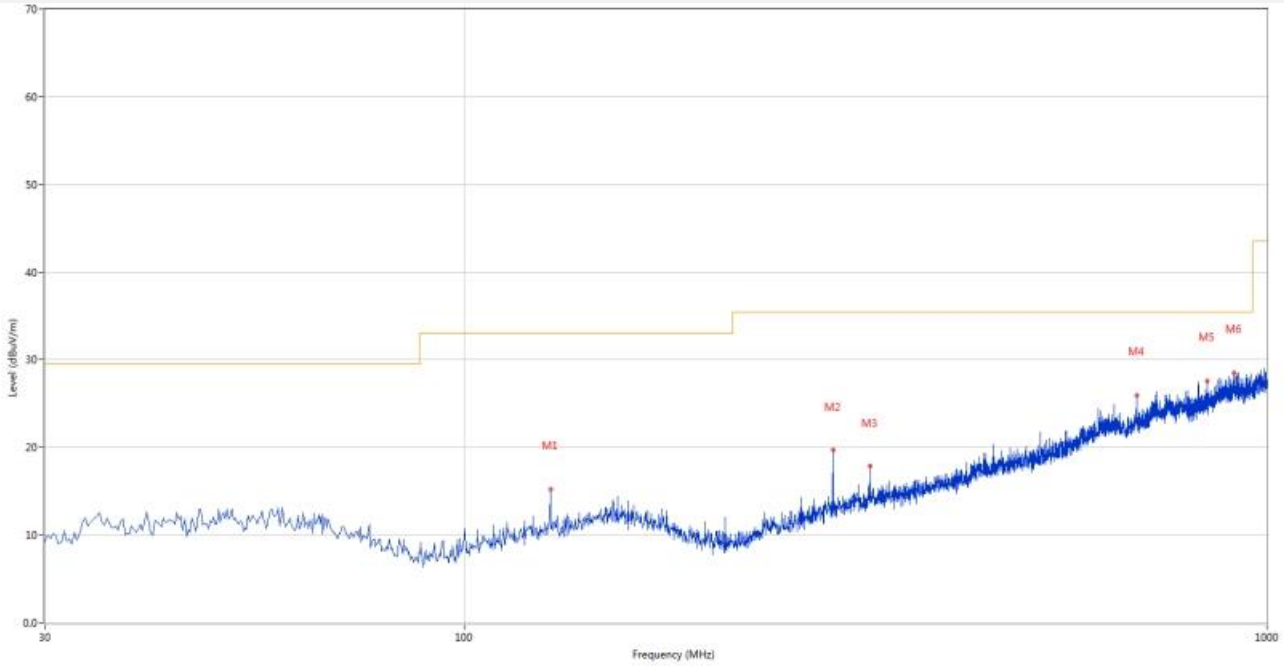
30 MHz to 1 GHz, Test Antenna Vertical, EUT X axis



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	52.547	13.70	-26.06	29.5	15.80	Peak	112.00	200	Vertical	Pass
2	463.239	20.33	-20.31	35.5	15.17	Peak	302.00	200	Vertical	Pass
3	627.613	24.39	-16.04	35.5	11.11	Peak	359.00	100	Vertical	Pass
4	729.680	25.76	-13.82	35.5	9.74	Peak	360.00	200	Vertical	Pass
5	780.107	26.24	-12.71	35.5	9.26	Peak	188.00	100	Vertical	Pass
6	906.176	28.88	-10.79	35.5	6.62	Peak	123.00	200	Vertical	Pass



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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	127.946	15.24	-27.49	33.0	17.76	Peak	308.00	200	Horizontal	Pass
2	287.956	19.68	-25.01	35.5	15.82	Peak	358.00	200	Horizontal	Pass
3	319.958	17.84	-24.11	35.5	17.66	Peak	360.00	200	Horizontal	Pass
4	688.223	25.98	-15.16	35.5	9.52	Peak	291.00	100	Horizontal	Pass
5	843.142	27.56	-12.26	35.5	7.94	Peak	360.00	200	Horizontal	Pass
6	910.540	28.48	-10.58	35.5	7.02	Peak	134.00	200	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04	<input checked="" type="checkbox"/>
Test Antenna-Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	<input checked="" type="checkbox"/>
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2021.08.19	2024.08.18	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

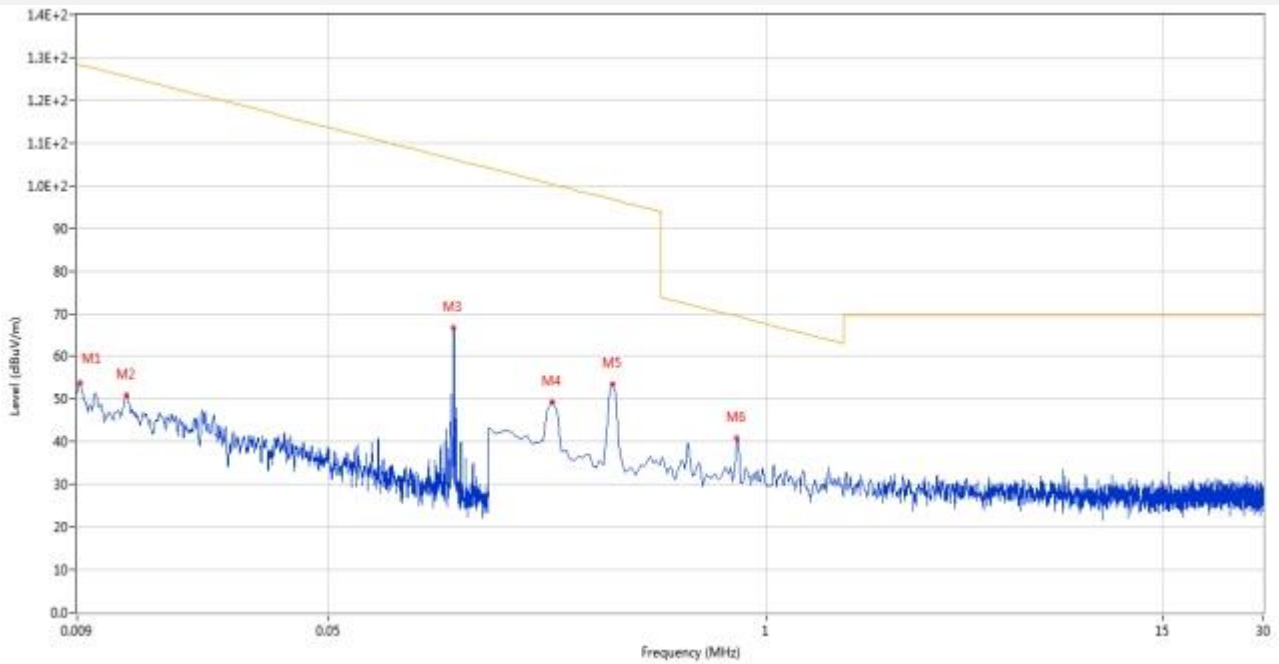
Note 1: This frequency which near 128 kHz with circle should be ignored because they are Qi carrier frequency.

**Mode3&4**

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

Sample No.	S02	Temperature	25.4°C
Humidity	47%RH	Pressure	101kPa
Test Engineer	Xi Zifeng	Test date	2024.01.31

Below 30 MHz, Test Antenna LOOP, EUT X axis



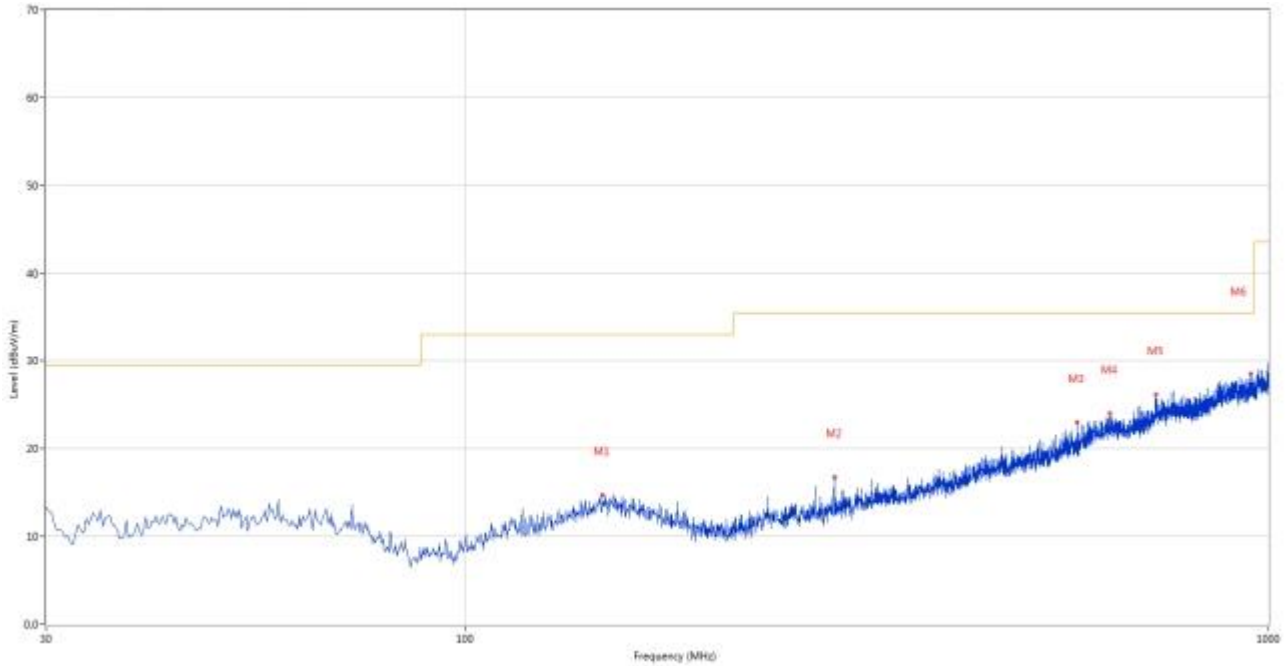
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	0.009	53.90	19.88	128.4	74.50	Peak	190.00	100	Horizontal	Pass
2	0.013	50.85	20.05	125.6	74.75	Peak	176.00	100	Horizontal	Pass
3	0.118	66.63	20.16	106.2	39.57	Peak	108.00	100	Horizontal	N/A
4	0.232	49.42	20.12	100.3	50.88	Peak	134.00	100	Horizontal	Pass
5	0.351	53.63	20.16	96.7	43.07	Peak	128.00	100	Horizontal	Pass
6	0.822	40.83	20.48	69.3	28.47	Peak	1.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency 9 kHz-30 MHz						
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15	<input checked="" type="checkbox"/>
Anechoic Chamber (10M)	EMC TECHNOLOGY LTD	20.1m*11.6m*7.35m	130	2021.08.15	2024.08.14	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

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

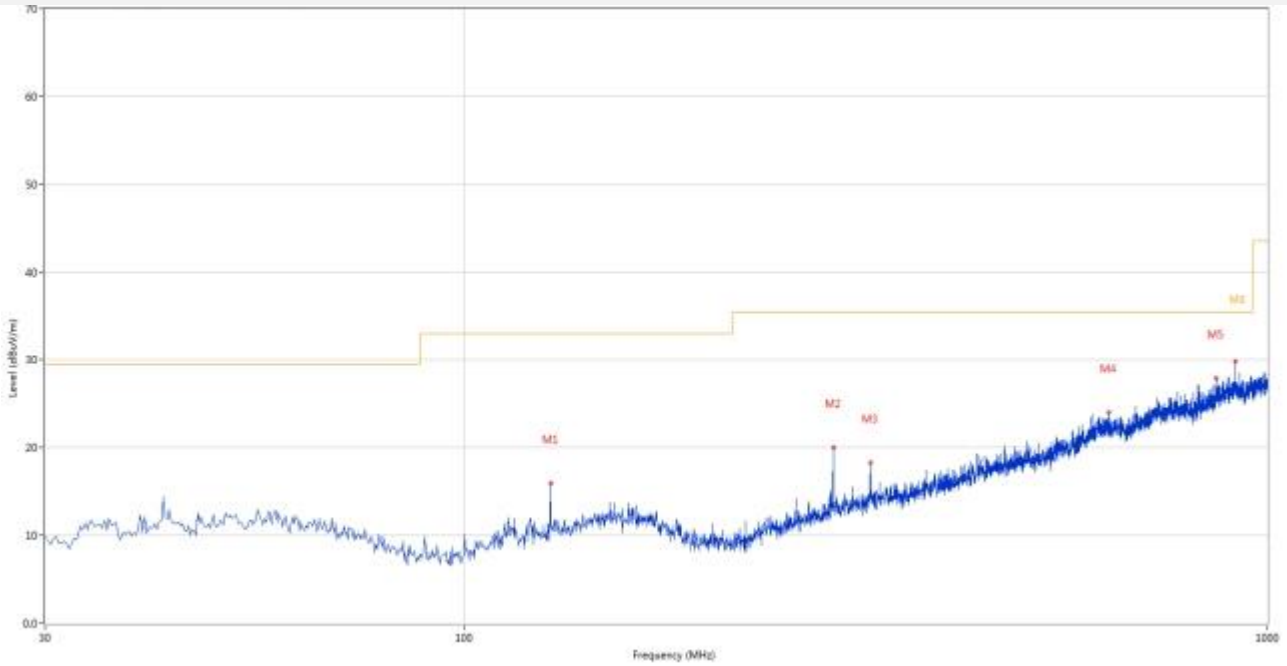
Sample No.	S02	Temperature	25.4°C
Humidity	47%RH	Pressure	101kPa
Test Engineer	Xi Zifeng	Test date	2024.01.17

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	148.068	14.72	-25.88	33.0	18.28	Peak	356.00	100	Vertical	Pass
2	287.956	16.80	-25.01	35.5	18.70	Peak	360.00	100	Vertical	Pass
3	578.155	23.04	-17.81	35.5	12.46	Peak	0.00	200	Vertical	Pass
4	635.129	23.97	-15.88	35.5	11.53	Peak	226.00	100	Vertical	Pass
5	724.346	26.16	-14.01	35.5	9.34	Peak	359.00	200	Vertical	Pass
6	949.573	28.48	-10.54	35.5	7.02	Peak	205.00	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	127.946	15.94	-27.49	33.0	17.06	Peak	193.00	100	Horizontal	Pass
2	287.956	20.08	-25.01	35.5	15.42	Peak	183.00	200	Horizontal	Pass
3	319.958	18.25	-24.11	35.5	17.25	Peak	4.00	200	Horizontal	Pass
4	633.917	24.04	-15.88	35.5	11.46	Peak	199.00	100	Horizontal	Pass
5	864.234	29.49	-11.59	35.5	7.56	Peak	58.00	100	Horizontal	Pass
6	913.005	24.59	-10.46	35.5	6.01	Peak	280.00	184	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04	<input checked="" type="checkbox"/>
Test Antenna-Bi-Log	SCHWARZB ECK	VULB 9168	9168-00867	2022.04.12	2025.04.11	<input checked="" type="checkbox"/>
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2021.08.19	2024.08.18	<input checked="" type="checkbox"/>
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		<input checked="" type="checkbox"/>

## A.2 Conducted Emission

Note: Not applicable.



### A.3 20 dB 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.	S02	Temperature	23.9°C
Humidity	55%RH	Pressure	101kPa
Test Engineer	Xi Zifeng	Test date	2024.01.17 - 2024.01.31

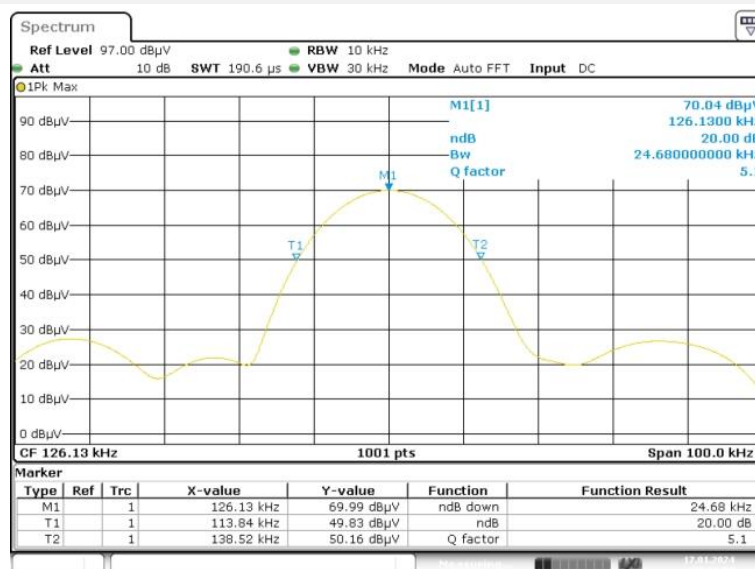
Mode 1

Test Data

Frequency (kHz)	20dB Bandwidth (kHz)	Occupied Bandwidth(99%) (kHz)
126.1	24.68000	20.97902

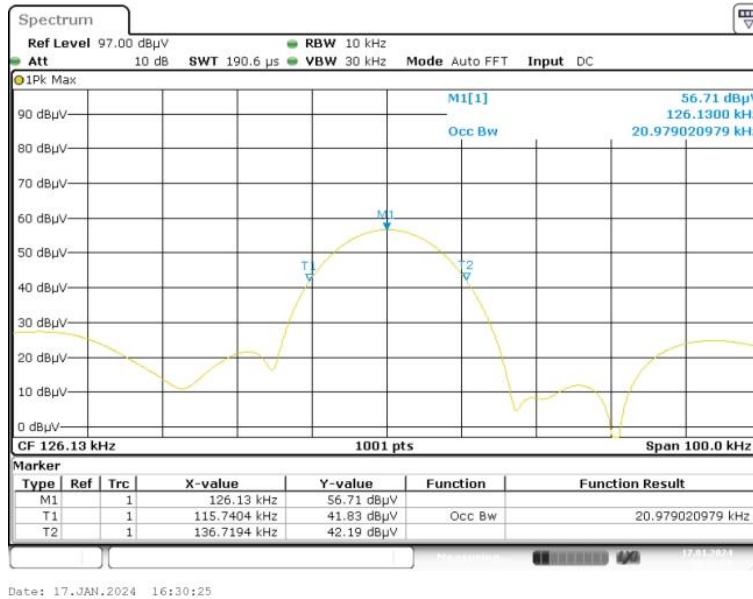
Test Plots

Emission Bandwidth



Date: 17.JAN.2024 16:31:07

99% Occupied Bandwidth



Date: 17.JAN.2024 16:30:25

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SC HWARZ	ESRP	101036	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Test Antenna- Loop	SCHWARZB ECK	FMZB 1519	1519-037	2021.04.16	2024.04.15	<input checked="" type="checkbox"/>
Anechoic Chamber (10M)	EMC TECHNOLO GY LTD	20.1m*11.6m*7 .35m	130	2021.08.15	2024.08.14	<input checked="" type="checkbox"/>

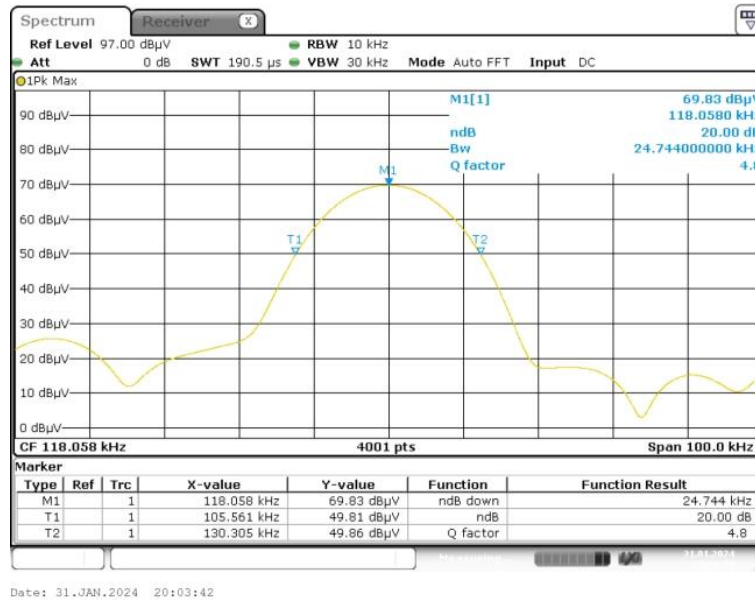
Mode 3&4

Test Data

Frequency (kHz)	20dB Bandwidth (kHz)	Occupied Bandwidth(99%) (kHz)
118.1	24.74400	20.91977

Test Plots

Emission Bandwidth



Date: 31.JAN.2024 20:03:42

99% Occupied Bandwidth



Date: 31.JAN.2024 20:01:26

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	ROHDE&SC HWARZ	ESRP	101036	2023.09.05	2024.09.04	<input checked="" type="checkbox"/>
Test Antenna- Loop	SCHWARZB ECK	FMZB 1519	1519-037	2021.04.16	2024.04.15	<input checked="" type="checkbox"/>
Anechoic Chamber (10M)	EMC TECHNOLO GY LTD	20.1m*11.6m*7 .35m	130	2021.08.15	2024.08.14	<input checked="" type="checkbox"/>

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2410130-AE-2.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document ““BL-SZ2410130-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document ““BL-SZ2410130-AI.PDF”.

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--END OF REPORT--