

# TEST REPORT

Applicant Name: INFINIX MOBILITY LIMITED  
Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT, Hong Kong  
Report Number: SZ1240130-06923E-RF-00A  
FCC ID: 2AIZN-XMC02

## Test Standard (s)

FCC Part 15C

## Sample Description

Product Type: 15W MAGNETIC WIRELESS FAST CHARGE PAD  
Model No.: XMC02  
Multiple Model(s) No.: N/A  
Trade Mark: Infinix  
Date Received: 2024/01/30  
Issue Date: 2024/04/12

Test Result:	Pass <sup>▲</sup>
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▲ In the configuration tested, the EUT complied with the standards above.

## Prepared and Checked By:

*April Zhang*

April Zhang  
RF Engineer

## Approved By:

*Nancy Wang*

Nancy Wang  
RF Supervisor

Note: The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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## DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	SZ1240130-06923E-RF-00A	Original Report	2024/04/12

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

Product	15W MAGNETIC WIRELESS FAST CHARGE PAD
Tested Model	XMC02
Multiple Model(s)	N/A
Frequency Range	120.8kHz
Antenna Type	Coil
Input	DC 5V/2A, 9V/2A, 11V/2A
Output	5Watts/7.5Watts/10Watts/15Watts
Sample serial number	2HCT-3 (Assigned by BAACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

### Objective

This test report is in accordance with Part 2, Subpart J, and Part 15, Subparts A and C of the Federal Communications Commission's rules.

The objective is to determine the compliance of EUT with FCC rules, section 15.203, 15.205, 15.207 and 15.209.

### Measurement Uncertainty

Parameter		Uncertainty
AC Power Lines Conducted Emissions	9kHz-150kHz	3.94dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.84dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz – 30MHz	3.30dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	4.55dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	4.85dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.05dB(k=2, 95% level of confidence)
Temperature		±1°C
Humidity		±1%
Supply voltages		±0.4%

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

## **Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in a test mode.

### EUT Exercise Software

No software used in test.

### Local Support Equipment

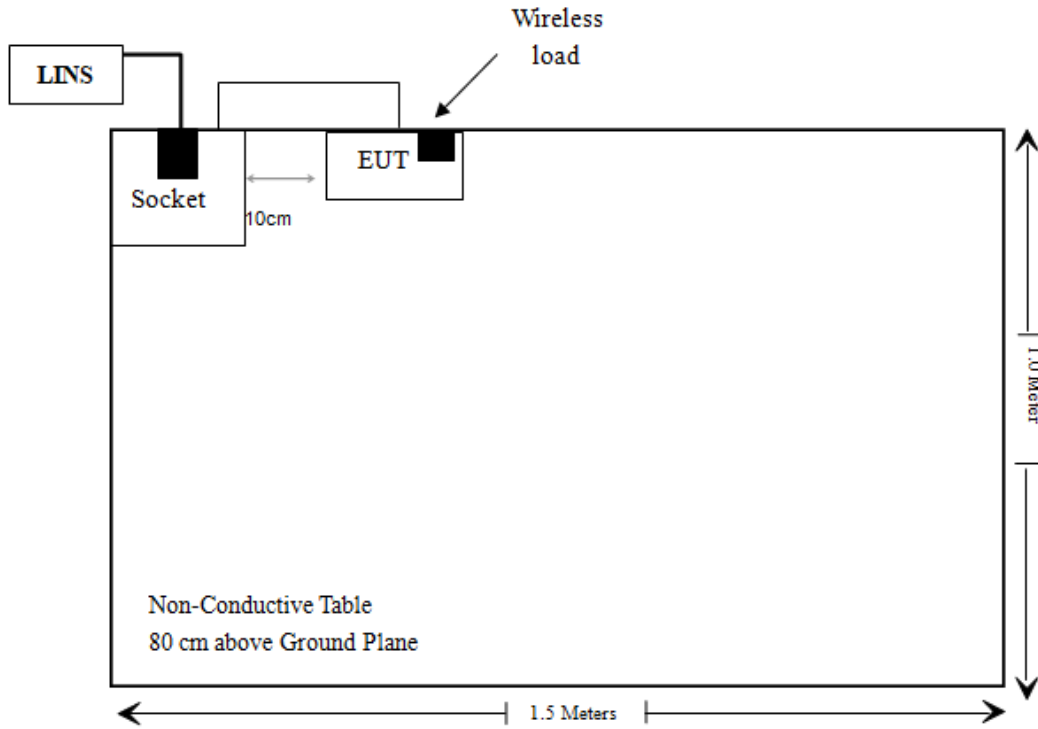
Manufacturer	Description	Model	Serial Number
Unknown	Wireless load	Unknown	Unknown
YANZI	Adapter	LJL-02	Unknown

### External I/O Cable

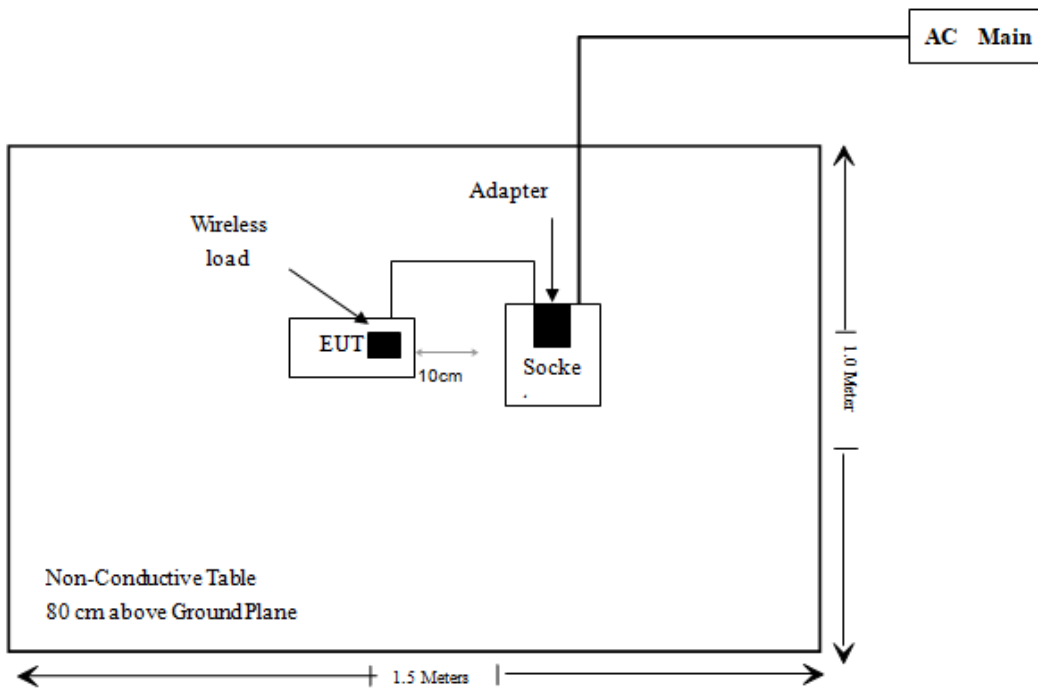
Cable Description	Length (m)	From Port	To
USB Cable #1	0.8	EUT	Adapter
USB Cable #2	0.3	EUT	Adapter

### Block Diagram of Test Setup

For Conducted Emission:



For Radiated Emission:



**SUMMARY OF TEST RESULTS**

<b>FCC Rules</b>	<b>Description of Test</b>	<b>Result</b>
FCC§1.1310 & §2.1093	Maximum Permissible Exposure(MPE)	Compliant
FCC§15.203	Antenna Requirement	Compliant
FCC§15.207	AC Line Conducted Emission	Compliant
§15.209 §15.205	Radiated Emission Test	Compliant
§15.215 (c)	20dB Bandwidth	Compliant



**TEST EQUIPMENT LIST**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Conducted Emissions Test</b>					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/01/16	2025/01/15
Rohde & Schwarz	LISN	ENV216	101613	2024/01/16	2025/01/15
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2023/08/03	2024/08/02
Unknown	CE Cable	CE Cable	UF A210B-1-0720-504504	2023/08/03	2024/08/02
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
<b>Radiated Test</b>					
R&S	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sonoma instrument	Pre-amplifier	310 N	186238	2023/06/08	2024/06/07
ETS	Passive Loop Antenna	6512	29604	2023/07/07	2024/07/06
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2024/07/19
Unknown	Cable	Chamber Cable 1	F-03-EM236	2023/08/03	2024/08/02
Unknown	Cable	Chamber Cable 4	EC-007	2023/08/03	2024/08/02
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
<b>MPE</b>					
SPEAG	Probe	MAGPY-8H3D	3081	2023/09/15	2024/09/14

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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## **FCC§15.203 – ANTENNA REQUIREMENT**

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### **Applicable Standard**

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.

### **Antenna Connected Construction**

The EUT has one coil antenna arrangement which was permanently attached, fulfill the requirement of this section. Please refer to the EUT photos.

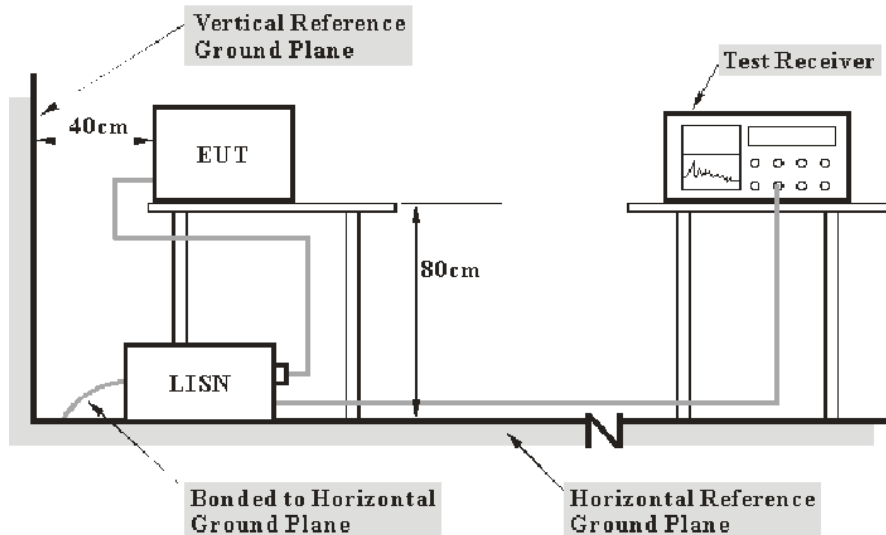
**Result: Compliant.**

## FCC §15.207 – AC LINE CONDUCTED EMISSION

### Applicable Standard

FCC§15.207

### EUT Setup



- Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

**Test Procedure**

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

**Factor & Over Limit Calculation**

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\begin{aligned} \text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor} \end{aligned}$$

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

**Test Data**

**Environmental Conditions**

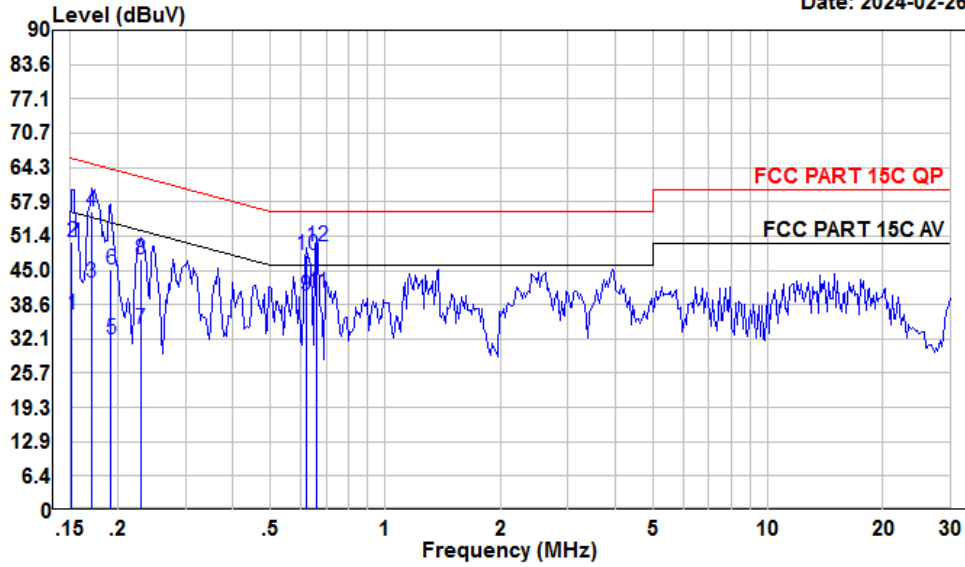
<b>Temperature:</b>	23 °C
<b>Relative Humidity:</b>	43 %
<b>ATM Pressure:</b>	101.0 kPa

*The testing was performed by Macy Shi on 2024-02-26*

*Test Mode: Wireless Charging (Maximum output power)*

AC 120 V/60 Hz, Line

Date: 2024-02-26

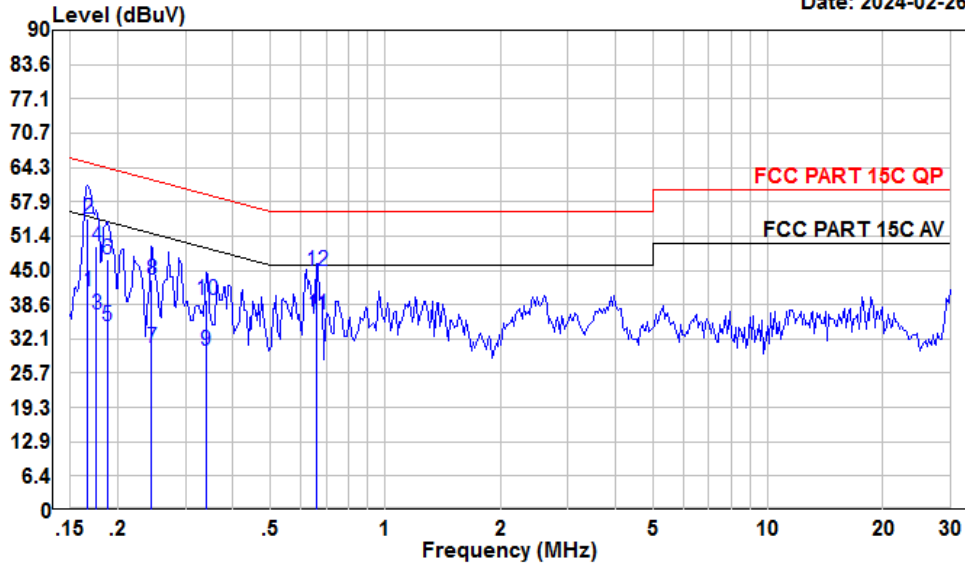


Condition: Line  
 Project : SZ1240130-06923E-RF  
 Tester : Macy shi  
 Note : Charging

	Read Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.15	16.10	36.85	10.60	10.15	55.91	-19.06	Average
2	0.15	29.50	50.25	10.60	10.15	65.91	-15.66	QP
3	0.17	22.03	42.78	10.60	10.15	54.94	-12.16	Average
4	0.17	35.20	55.95	10.60	10.15	64.94	-8.99	QP
5	0.19	11.40	32.11	10.60	10.11	53.98	-21.87	Average
6	0.19	24.40	45.11	10.60	10.11	63.98	-18.87	QP
7	0.23	13.36	34.13	10.61	10.16	52.48	-18.35	Average
8	0.23	26.41	47.18	10.61	10.16	62.48	-15.30	QP
9	0.62	19.30	40.22	10.70	10.22	46.00	-5.78	Average
10	0.62	26.90	47.82	10.70	10.22	56.00	-8.18	QP
11	0.66	19.84	40.75	10.70	10.21	46.00	-5.25	Average
12	0.66	28.53	49.44	10.70	10.21	56.00	-6.56	QP

AC 120V/ 60 Hz, Neutral

Date: 2024-02-26



Condition: Neutral  
 Project : SZ1240130-06923E-RF  
 Tester : Macy shi  
 Note : Charging

	Read Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.17	20.51	41.19	10.53	10.15	55.12	-13.93	Average
2	0.17	34.04	54.72	10.53	10.15	65.12	-10.40	QP
3	0.18	16.20	36.83	10.49	10.14	54.68	-17.85	Average
4	0.18	29.00	49.63	10.49	10.14	64.68	-15.05	QP
5	0.19	13.89	34.46	10.45	10.12	54.15	-19.69	Average
6	0.19	26.49	47.06	10.45	10.12	64.15	-17.09	QP
7	0.24	9.84	30.51	10.47	10.20	51.95	-21.44	Average
8	0.24	22.45	43.12	10.47	10.20	61.95	-18.83	QP
9	0.34	9.23	29.95	10.57	10.15	49.22	-19.27	Average
10	0.34	18.69	39.41	10.57	10.15	59.22	-19.81	QP
11	0.66	15.69	36.60	10.70	10.21	46.00	-9.40	Average
12	0.66	23.97	44.88	10.70	10.21	56.00	-11.12	QP

## FCC §15.205 & §15.209 - RADIATED EMISSIONS TEST

### Applicable Standard

As per FCC Part 15.209

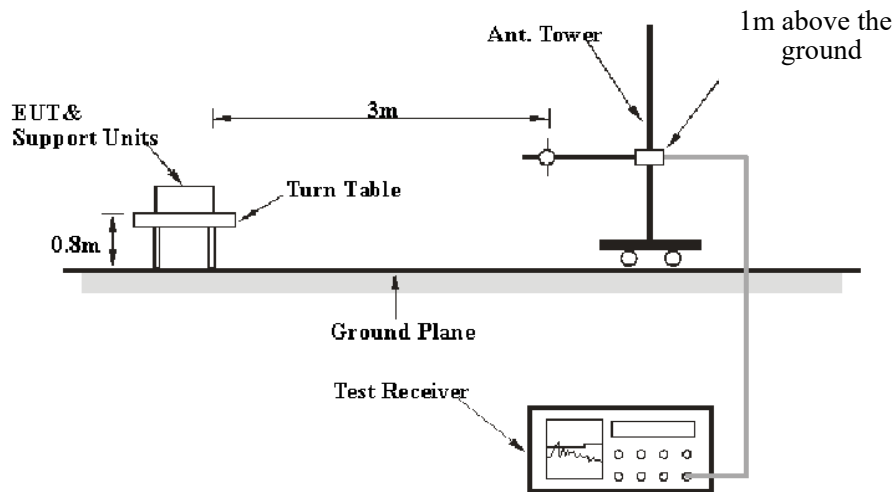
(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	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

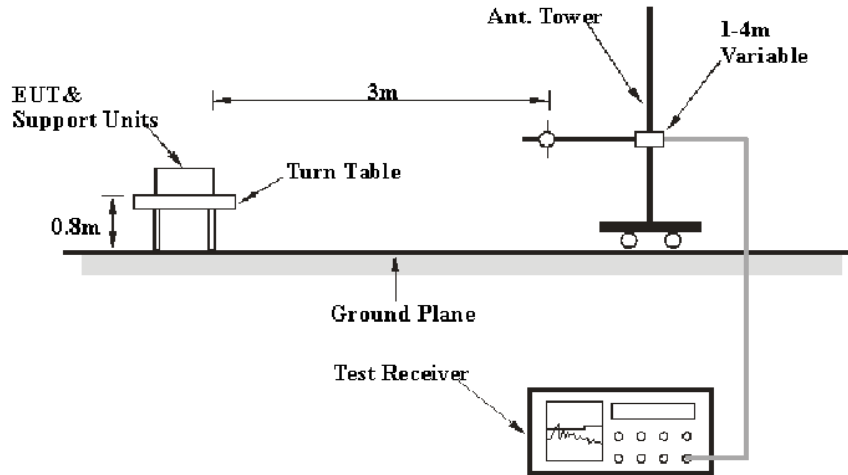
\*\*Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

### EUT Setup

9 kHz-30MHz:



30MHz-1GHz:



The radiated emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part Subpart C limits.

The spacing between the peripherals was 10 cm.

**EMI Test Receiver Setup**

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	PK
150 kHz – 30 MHz	10 kHz	30 kHz	PK
30 MHz – 1000 MHz	100 kHz	300 kHz	QP

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

If the maximized peak measured value complies with the limit, then it is unnecessary to perform an QP/Average measurement

**Factor & Over Limit Calculation**

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned} \text{Over Limit} &= \text{Level} - \text{Limit} \\ \text{Level} &= \text{Read Level} + \text{Factor} \end{aligned}$$



**Test Data****Environmental Conditions**

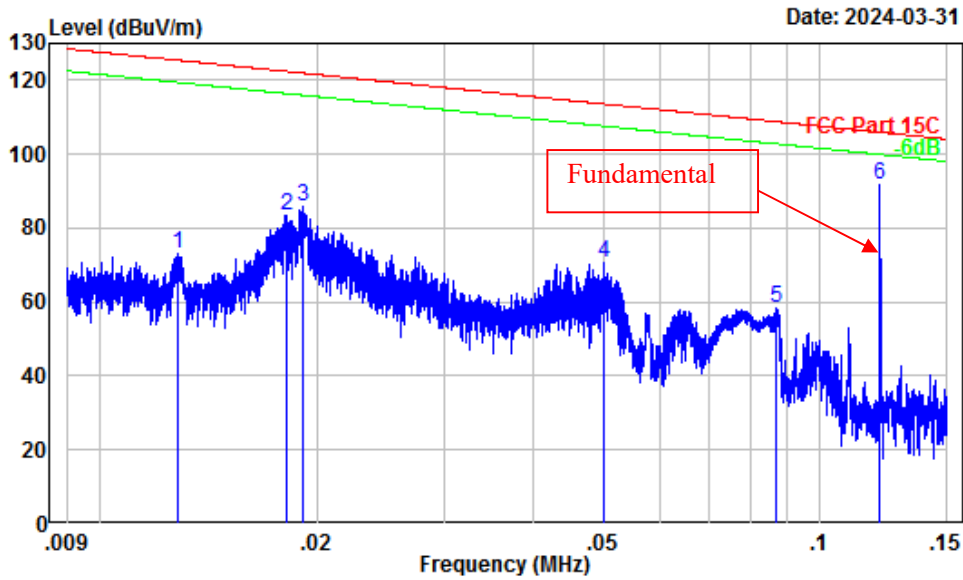
<b>Temperature:</b>	23 °C
<b>Relative Humidity:</b>	55 %
<b>ATM Pressure:</b>	101.0 kPa

*The testing was performed by Warren Huang on 2024-03-11 for 30MHz-1GHz and 2024-03-31 for below 30MHz.*

*Test Mode: Wireless Charging (Maximum output power)*

Parallel:

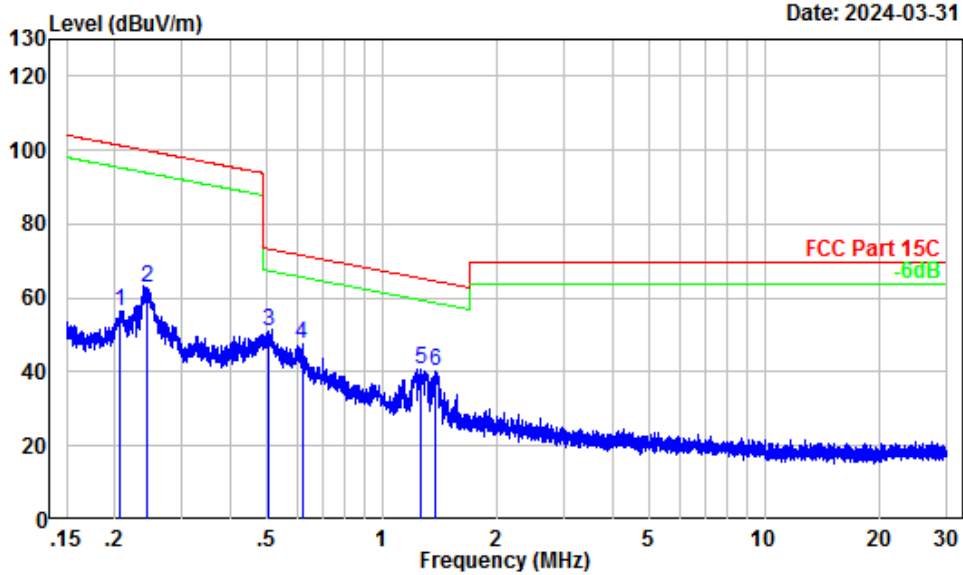
9 kHz~150 kHz



Site : Chamber A  
 Condition : 3m  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Note : Parallel  
 Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	52.43	20.72	73.15	125.42	-52.27	Peak
2	0.02	50.79	32.64	83.43	122.40	-38.97	Peak
3	0.02	50.48	35.43	85.91	121.94	-36.03	Peak
4	0.05	40.99	29.48	70.47	113.61	-43.14	Peak
5	0.09	35.92	22.49	58.41	108.81	-50.40	Peak
6	0.12	33.05	58.56	91.61	105.94	-14.33	Peak

150 kHz~30 MHz

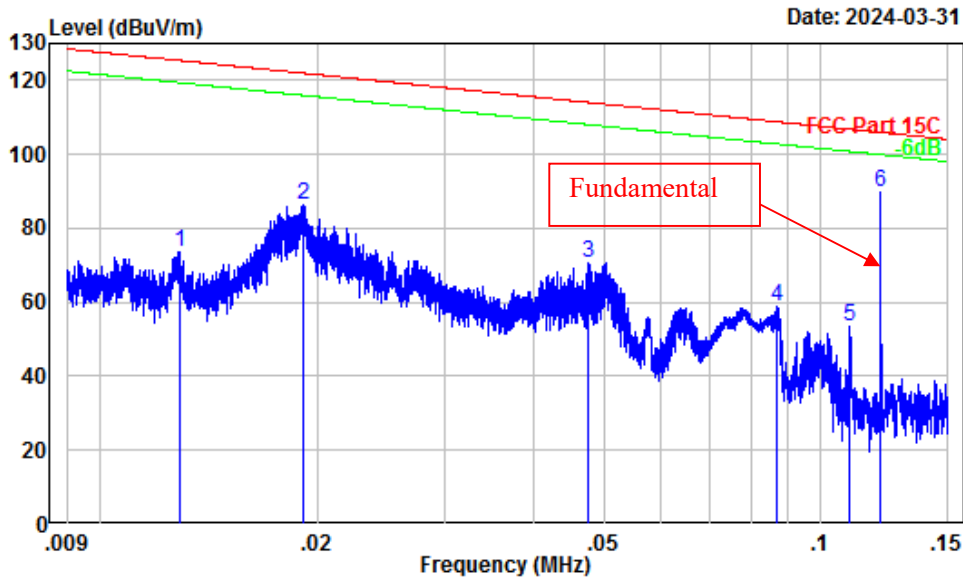


Site : Chamber A  
 Condition : 3m  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Note : Parallel  
 Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.21	28.72	27.59	56.31	101.27	-44.96	Peak
2	0.24	27.42	35.36	62.78	99.86	-37.08	Peak
3	0.50	20.91	29.93	50.84	73.57	-22.73	Peak
4	0.62	19.42	28.24	47.66	71.73	-24.07	Peak
5	1.26	14.15	26.44	40.59	65.41	-24.82	Peak
6	1.38	13.55	26.87	40.42	64.60	-24.18	Peak

Perpendicular:

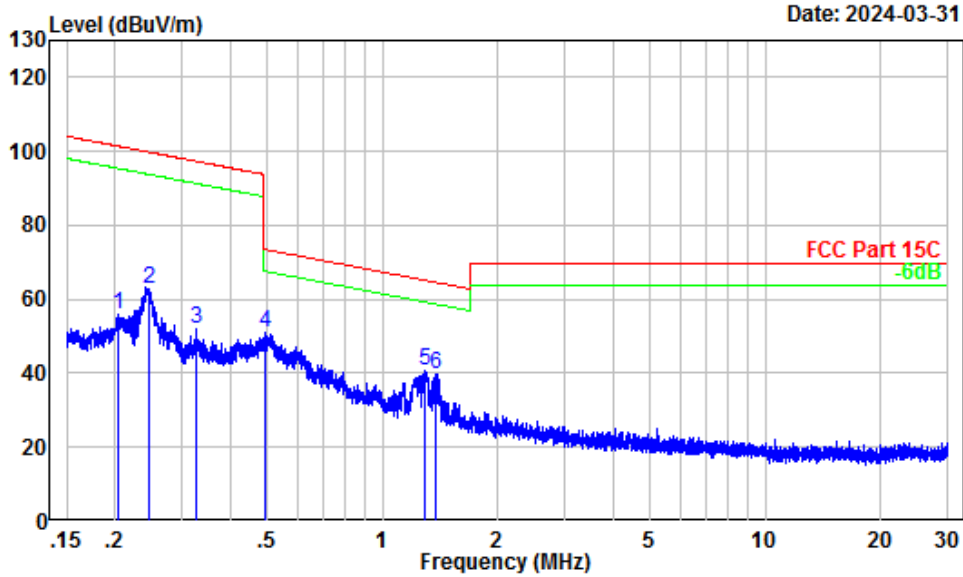
9 kHz~150 kHz



Site : Chamber A  
 Condition : 3m  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Note : Perpendicular  
 Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	52.40	21.09	73.49	125.37	-51.88	Peak
2	0.02	50.50	35.77	86.27	121.96	-35.69	Peak
3	0.05	41.76	29.08	70.84	114.06	-43.22	Peak
4	0.09	35.92	23.15	59.07	108.82	-49.75	Peak
5	0.11	33.64	20.05	53.69	106.80	-53.11	Peak
6	0.12	33.07	56.82	89.89	105.96	-16.07	Peak

150 kHz~30 MHz

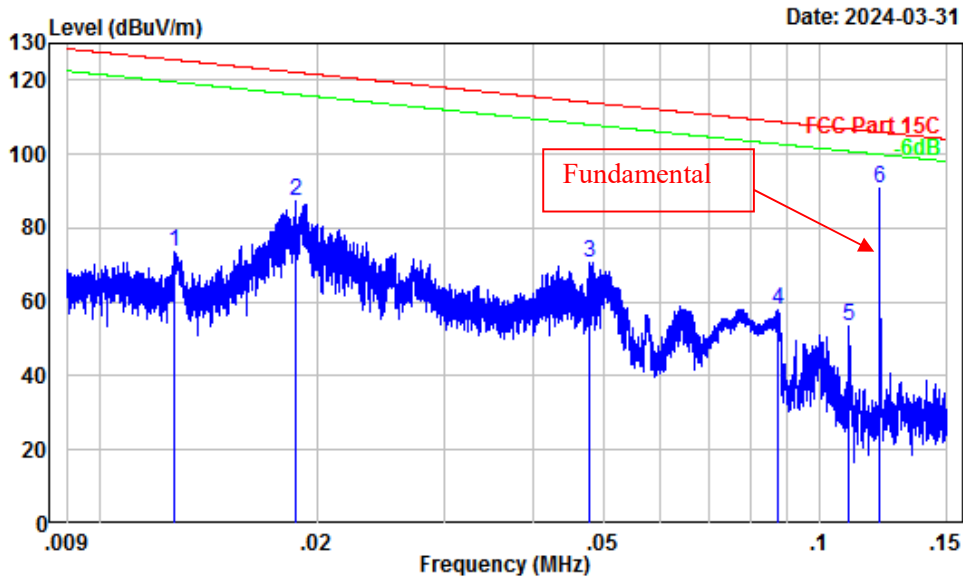


Site : Chamber A  
 Condition : 3m  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Note : Perpendicular  
 Tester : Warren Huang

	Freq	Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	0.20	28.85	26.91	55.76	101.41	-45.65 Peak
2	0.25	27.37	35.58	62.95	99.80	-36.85 Peak
3	0.33	24.58	27.45	52.03	97.30	-45.27 Peak
4	0.49	21.03	30.17	51.20	73.73	-22.53 Peak
5	1.29	14.00	26.71	40.71	65.20	-24.49 Peak
6	1.37	13.60	26.19	39.79	64.67	-24.88 Peak

Ground-parallel:

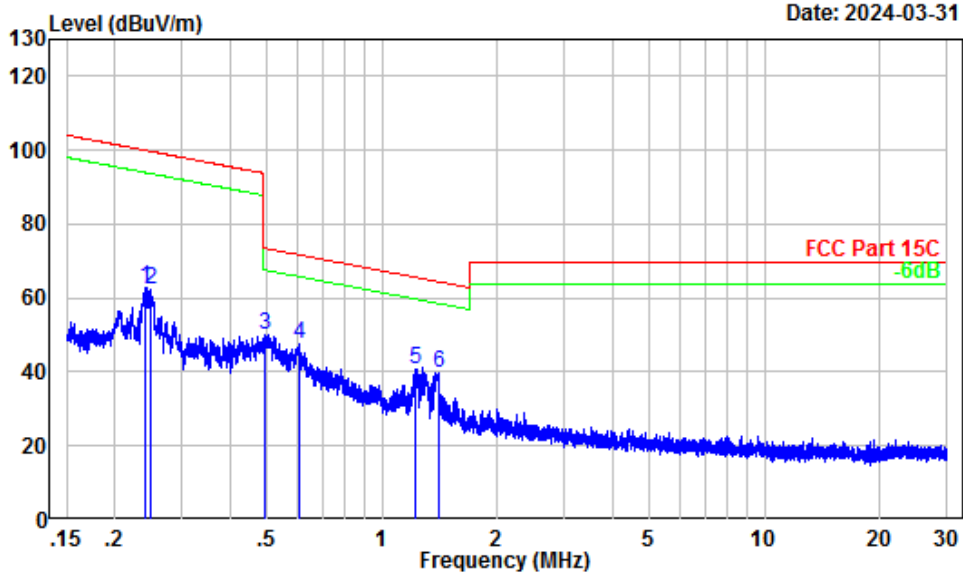
9 kHz~150 kHz



Site : Chamber A  
 Condition : 3m  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Note : Ground-parallel  
 Tester : Warren Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.01	52.48	20.98	73.46	125.53	-52.07	Peak
2	0.02	50.65	36.63	87.28	122.18	-34.90	Peak
3	0.05	41.68	29.17	70.85	114.02	-43.17	Peak
4	0.09	35.87	22.20	58.07	108.77	-50.70	Peak
5	0.11	33.64	19.87	53.51	106.81	-53.30	Peak
6	0.12	33.06	57.64	90.70	105.95	-15.25	Peak

150 kHz~30 MHz



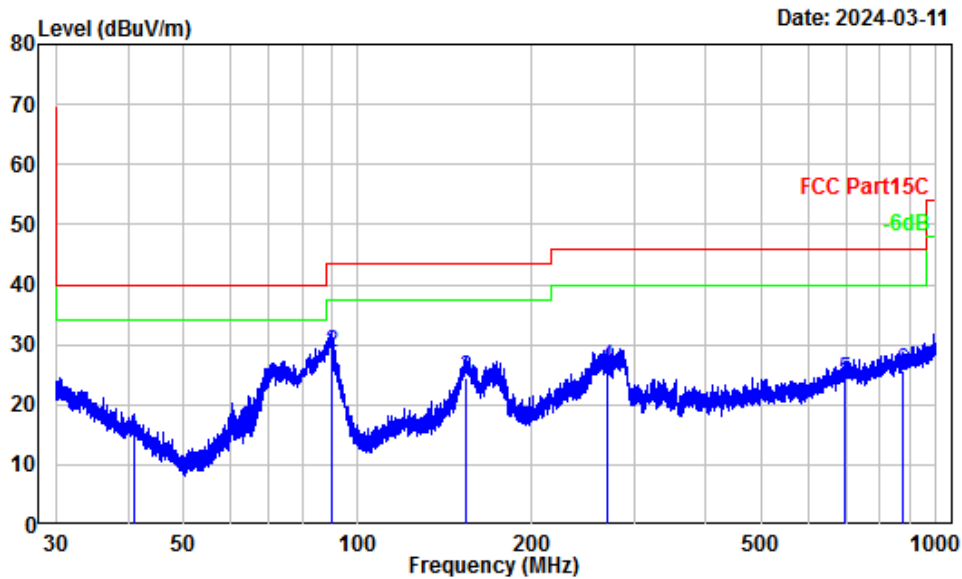
Site : Chamber A  
 Condition : 3m  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Note : Ground-parallel  
 Tester : Warren Huang

	Freq	Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	0.24	27.52	35.21	62.73	99.96	-37.23 Peak
2	0.25	27.27	35.11	62.38	99.70	-37.32 Peak
3	0.50	21.01	29.06	50.07	73.70	-23.63 Peak
4	0.61	19.58	28.24	47.82	71.89	-24.07 Peak
5	1.23	14.31	26.26	40.57	65.64	-25.07 Peak
6	1.41	13.42	26.32	39.74	64.43	-24.69 Peak

**30MHz~1GHz:**

*Note: when the result of Peak below the limit of QP more than 6dB, just the peak value was record*

**Horizontal**

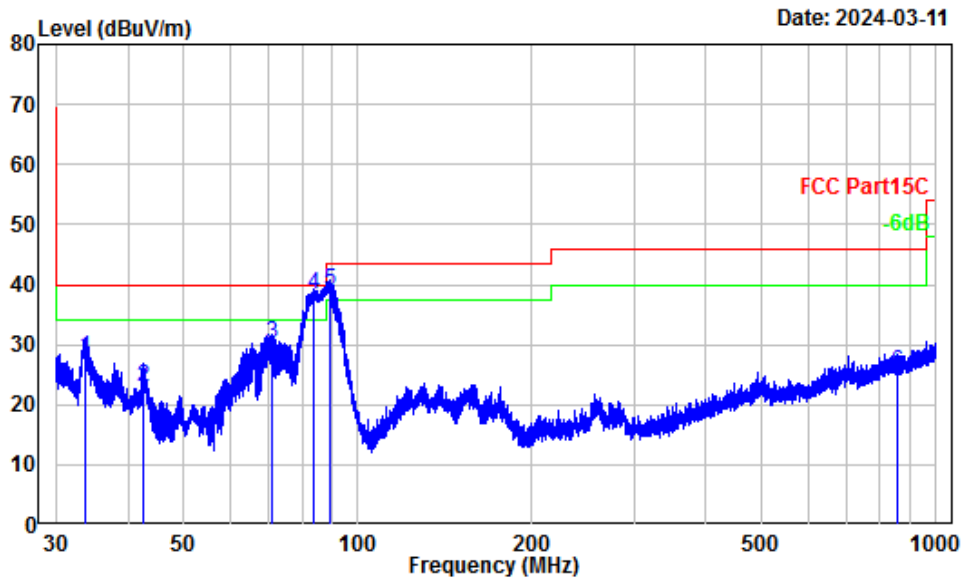


Site : Chamber A  
 Condition : 3m Horizontal  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Tester : Wareen Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	40.86	-10.94	25.19	14.25	40.00	-25.75	QP
2	90.38	-16.46	45.04	28.58	43.50	-14.92	QP
3	153.94	-11.56	36.14	24.58	43.50	-18.92	QP
4	269.55	-11.11	37.41	26.30	46.00	-19.70	QP
5	694.42	-1.61	25.90	24.29	46.00	-21.71	QP
6	879.09	0.67	24.93	25.60	46.00	-20.40	QP



Vertical



Site : Chamber A  
 Condition : 3m Vertical  
 Project Number: SZ1240130-06923E-RF  
 Note : Charging  
 Tester : Wareen Huang

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	33.70	-7.93	35.80	27.87	40.00	-12.13	QP
2	42.62	-13.38	36.18	22.80	40.00	-17.20	QP
3	70.99	-17.29	47.60	30.31	40.00	-9.69	QP
4	83.96	-17.28	55.70	38.42	40.00	-1.58	QP
5	89.43	-17.35	56.40	39.05	43.50	-4.45	QP
6	857.40	0.00	25.42	25.42	46.00	-20.58	QP

## FCC§1.1310 &§2.1093 MAXIMUM PERMISSIBLE EXPOSURE (MPE)

### Applicable Standard

According to subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1093)

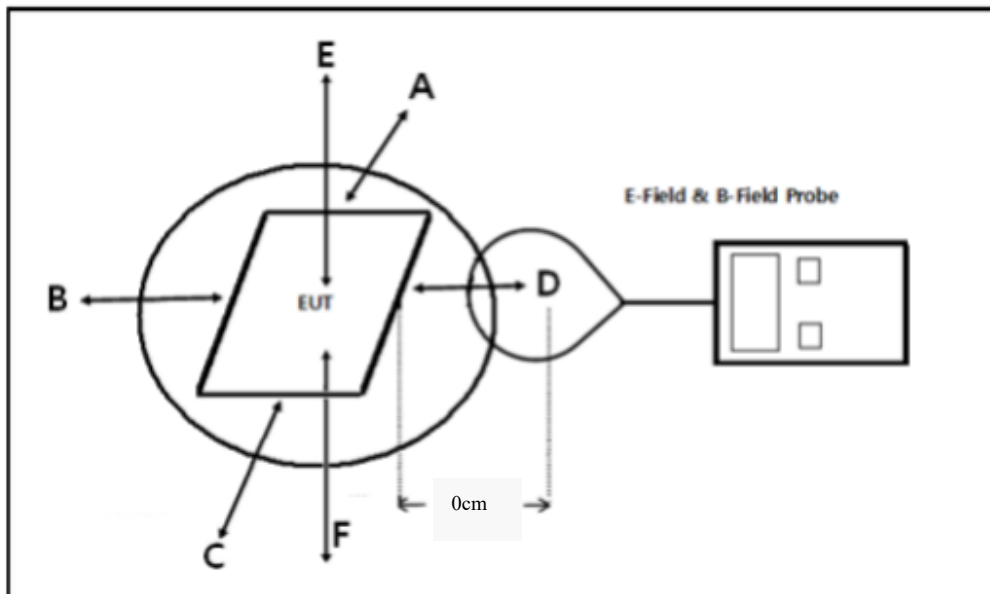
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
<b>Frequency Range (MHz)</b>	<b>Electric Field Strength (V/m)</b>	<b>Magnetic Field Strength (A/m)</b>	<b>Power Density (mW/cm<sup>2</sup>)</b>	<b>Averaging Time (minutes)</b>
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; \* = Plane-wave equivalent power density;

According with 680106 D01 Wireless Power Transfer v04 clause 3.2

Accordingly, for § 2.1091-Mobile devices, the MPE limits between 100 kHz to 300 kHz are to be considered the same as those at 300 kHz in Table 1 of § 1.1310, that is, 614 V/m and 1.63 A/m, for the electric field and magnetic field, respectively. For § 2.1093-Portable devices below 4 MHz and down to 100 kHz, the MPE limits in § 1.1310 (with the 300 kHz limit applicable all the way down to 100 kHz) can be used for the purpose of equipment authorization in lieu of SAR evaluations.

### Block Diagram of Test Setup



**Test Procedures**

- 1) Perform H-field and E-field measurements for each all sides of the EUT at 0cm, along all the principal axes defined with respect to the orientation of the transmitting element (e.g., coil or antenna).
- 2) The highest emission level was recorded and compared with limit.
- 3) The EUT was measured according to 680106 D01 Wireless Power Transfer v04.

**Test Data**

**Environmental Conditions**

<b>Temperature:</b>	26 °C
<b>Relative Humidity:</b>	52 %
<b>ATM Pressure:</b>	101.2 kPa

*The testing was performed by Bamboo Zhan on 2024-03-13.*

*Test mode: Wireless charging (Maximum output power).*

**H-Field Strength**

Test Frequency (MHz)	Position A (A/m)	Position B (A/m)	Position C (A/m)	Position D (A/m)	Position E (A/m)	Position F (A/m)	Limit (A/m)
0.1208	0.38	0.39	1.09	1.08	1.53	0.22	1.63

**E-Field Strength**

Test Frequency (MHz)	Position A (V/m)	Position B (V/m)	Position C (V/m)	Position D (V/m)	Position E (V/m)	Position F (V/m)	Limit (V/m)
0.1208	68.1	40.2	12.7	114	29.1	33.4	614

Note: Test with 0mm distance from all the sides.

## FCC §15.215 (c) – 20 dB EMISSION BANDWIDTH

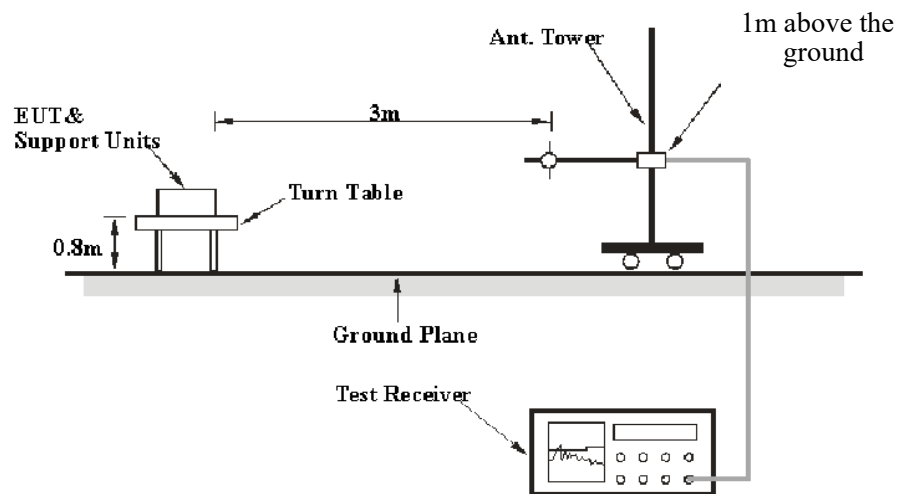
### Applicable Standard

According to § 15.215 (c)

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, 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. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

### Test Procedure

Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.



**Test Data**

**Environmental Conditions**

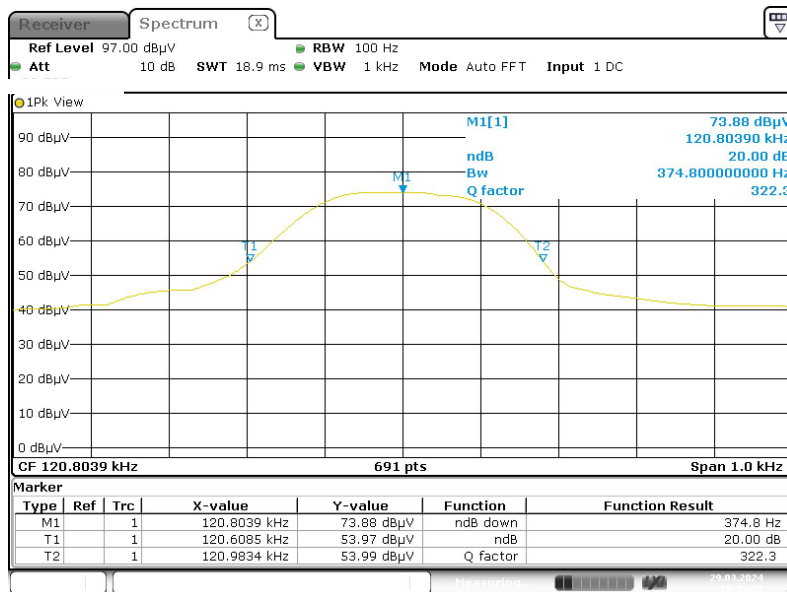
<b>Temperature:</b>	25 °C
<b>Relative Humidity:</b>	52 %
<b>ATM Pressure:</b>	101.0 kPa

The testing was performed by Warren Huang on 2024-03-29.

EUT operation mode: Transmitting

**Test Result: Compliant.** Please refer to following table and plot.

Channel Frequency (kHz)	20 dB Emission Bandwidth (kHz)
120.8	0.375



ProjectNo.:SZ1240130-06923E-RF Tester:Warren Huang  
 Date: 29.MAR.2024 15:49:52

## **EUT PHOTOGRAPHS**

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Please refer to the attachment SZ1240130-06923E-RF External photo and SZ1240130-06923E-RF Internal photo.

## **TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment SZ1240130-06923E-RFA & SZ1240130-06923E-RFB Test Setup photo.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***