



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

Approved By:

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▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

April 2hang Nang Wang

April Zhang Nancy Wang
RF Engineer 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.

This report cannot be reproduced except in full, without prior written approval of the Company. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP or any agency of the U.S. Government.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼"

Bay Area Compliance Laboratories Corp. (Shenzhen)

5F(B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn

TR-EM-RF034 Page 1 of 31 Version 1.0 (2023/10/07)

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY	3
GENERAL INFORMATION	
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	
OBJECTIVE	
Measurement Uncertainty	
Test Facility	5
SYSTEM TEST CONFIGURATION	6
DESCRIPTION OF TEST CONFIGURATION	
EUT Exercise Software	
LOCAL SUPPORT EQUIPMENT	
EXTERNAL I/O CABLEBLOCK DIAGRAM OF TEST SETUP	
SUMMARY OF TEST RESULTS	
TEST EQUIPMENT LIST	9
FCC§15.203 – ANTENNA REQUIREMENT	10
APPLICABLE STANDARD	
ANTENNA CONNECTED CONSTRUCTION	
FCC §15.207 – AC LINE CONDUCTED EMISSION	11
APPLICABLE STANDARD	
EUT SETUP	
EMI TEST RECEIVER SETUP TEST PROCEDURE	
Factor & Over Limit Calculation	
TEST DATA	
FCC §15.205 & §15.209 - RADIATED EMISSIONS TEST	15
APPLICABLE STANDARD	15
EUT SETUP	
EMI TEST RECEIVER SETUP	
FACTOR & OVER LIMIT CALCULATIONTEST DATA	
FCC§1.1310 &§2.1093 MAXIMUM PERMISSIBLE EXPOSURE (MPE)	
APPLICABLE STANDARDBLOCK DIAGRAM OF TEST SETUP	
TEST PROCEDURES.	
TEST DATA	
FCC §15.215 (C) – 20 DB EMISSION BANDWIDTH	28
APPLICABLE STANDARD	28
Test Procedure	
TEST DATA	
EUT PHOTOGRAPHS	30
TEST SETUP PHOTOGRAPHS	31

DOCUMENT REVISION HISTORY

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

Report No.: SZ1240130-06923E-RF-00A

TR-EM-RF034 Page 3 of 31 Version 1.0 (2023/10/07)

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 BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

Report No.: SZ1240130-06923E-RF-00A

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	9kHz-150kHz	3.94dB(k=2, 95% level of confidence)		
Conducted Emissions	150kHz-30MHz	3.84dB(k=2, 95% level of confidence)		
	9kHz – 30MHz	3.30dB(k=2, 95% level of confidence)		
	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)		
Radiated Emissions	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		$\pm 0.4\%$		

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.

TR-EM-RF034 Page 4 of 31 Version 1.0 (2023/10/07)

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.

Report No.: SZ1240130-06923E-RF-00A

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

Report No.: SZ1240130-06923E-RF-00A

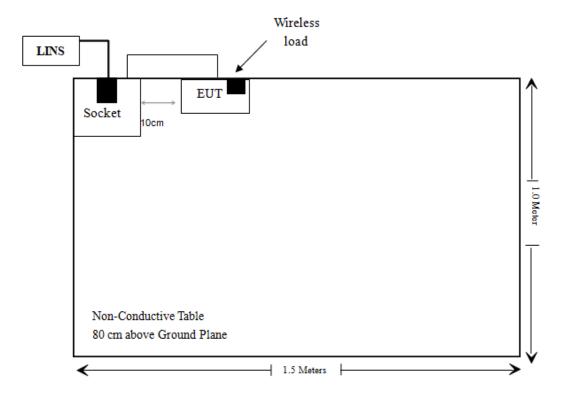
External I/O Cable

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

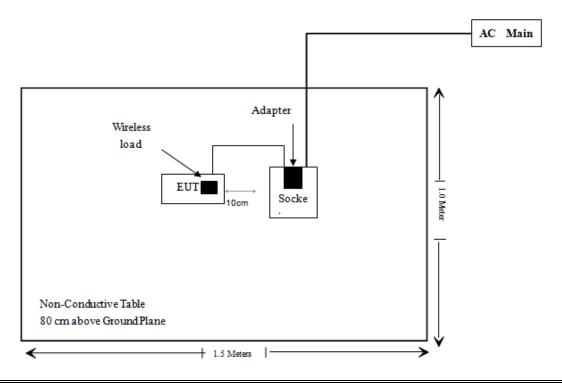
TR-EM-RF034 Page 6 of 31 Version 1.0 (2023/10/07)

Block Diagram of Test Setup

For Conducted Emission:



For Radiated Emission:



TR-EM-RF034 Page 7 of 31 Version 1.0 (2023/10/07)

FCC Rules	Description of Test	Result
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

Report No.: SZ1240130-06923E-RF-00A

TR-EM-RF034 Page 8 of 31 Version 1.0 (2023/10/07)

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date			
Conducted Emissions Test								
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			
	Radiated Test							
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			
		MPE						
SPEAG Probe MAGPY-8H3D 3081 2023/09/15 2024/09								

Report No.: SZ1240130-06923E-RF-00A

TR-EM-RF034 Page 9 of 31 Version 1.0 (2023/10/07)

^{*} 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).

FCC§15.203 – ANTENNA REQUIREMENT

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.

Report No.: SZ1240130-06923E-RF-00A

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.

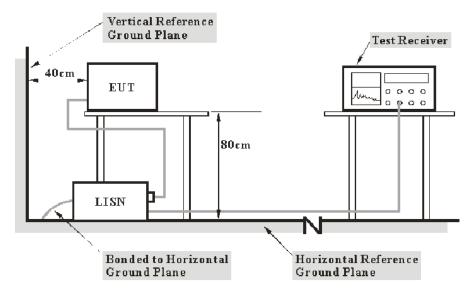
TR-EM-RF034 Page 10 of 31 Version 1.0 (2023/10/07)

FCC §15.207 – AC LINE CONDUCTED EMISSION

Applicable Standard

FCC§15.207

EUT Setup



Report No.: SZ1240130-06923E-RF-00A

Note: 1. Support units were connected to second LISN.

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	

TR-EM-RF034 Page 11 of 31 Version 1.0 (2023/10/07)

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:

```
Factor = LISN VDF + 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:

```
Over Limit = Level – Limit
Level = Read Level + Factor
```

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

Test Data

Environmental Conditions

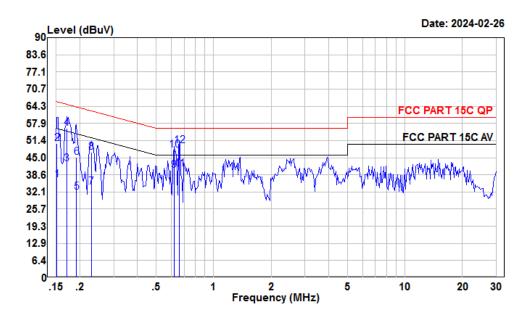
Temperature:	23 °C
Relative Humidity:	43 %
ATM Pressure:	101.0 kPa

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

Test Mode: Wireless Charging (Maximum output power)

Report No.: SZ1240130-06923E-RF-00A

AC 120 V/60 Hz, Line



Condition: Line

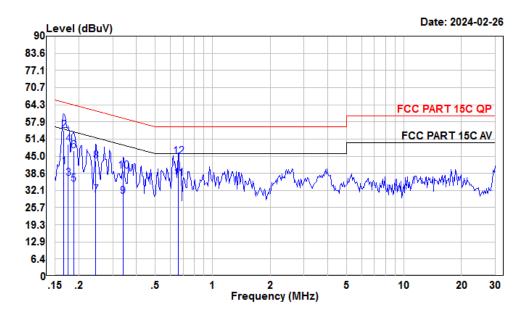
Project : SZ1240130-06923E-RF

Tester : Macy shi Note : Charging

	Freq	Read Level	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

TR-EM-RF034 Page 13 of 31 Version 1.0 (2023/10/07)

AC 120V/ 60 Hz, Neutral



Condition: Neutral

Project : SZ1240130-06923E-RF

Tester : Macy shi Note : Charging

		Read		LISN	Cable	Limit	0ver	
	Freq	Level	Level	Factor	Loss	Line	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

TR-EM-RF034 Page 14 of 31 Version 1.0 (2023/10/07)

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:

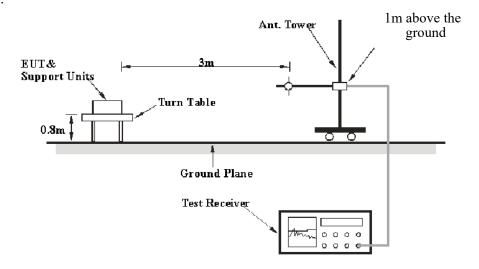
Report No.: SZ1240130-06923E-RF-00A

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.

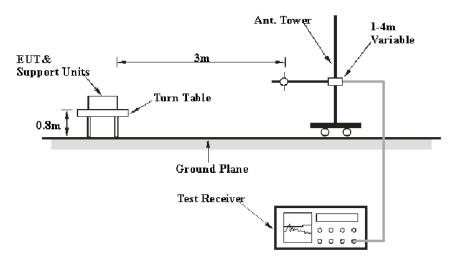
EUT Setup

9 kHz-30MHz:



TR-EM-RF034 Page 15 of 31 Version 1.0 (2023/10/07)

30MHz-1GHz:



Report No.: SZ1240130-06923E-RF-00A

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:

Factor = Antenna Factor + Cable Loss - 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:

Over Limit = Level – Limit Level = Read Level + Factor

TR-EM-RF034 Page 16 of 31 Version 1.0 (2023/10/07)

Environmental Conditions

Temperature:	23 °C
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

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

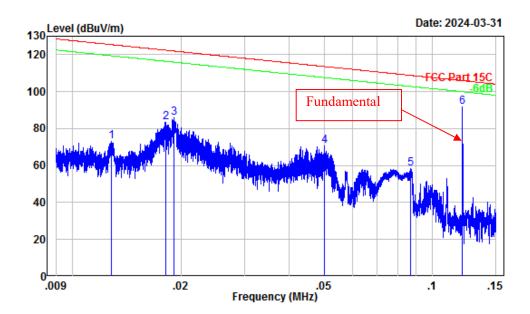
Report No.: SZ1240130-06923E-RF-00A

Test Mode: Wireless Charging (Maximum output power)

Report No.: SZ1240130-06923E-RF-00A

Parallel:

9 kHz~150 kHz



Site : Chamber A

Condition : 3m

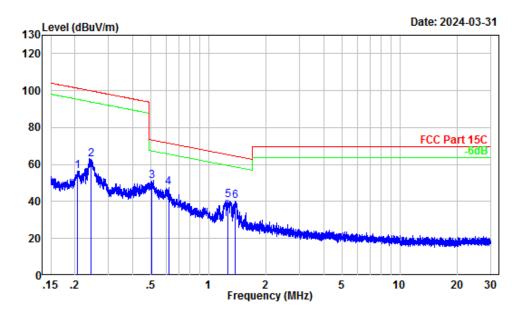
Project Number: SZ1240130-06923E-RF

Note : Charging
Note : Parallel
Tester : Warren Huang

	Freq	Factor			Limit Line		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

TR-EM-RF034 Page 18 of 31 Version 1.0 (2023/10/07)

150 kHz~30 MHz



Site : Chamber A

Condition : 3m

Project Number: SZ1240130-06923E-RF

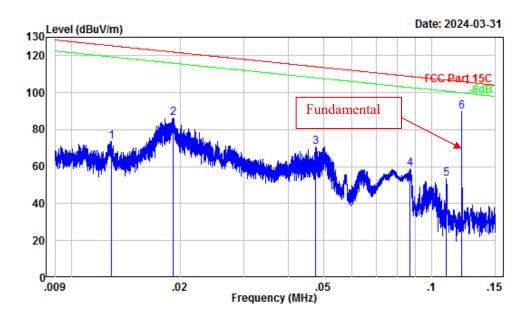
Note : Charging
Note : Parallel
Tester : Warren Huang

	Freq	Factor			Limit Line		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		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

TR-EM-RF034 Page 19 of 31 Version 1.0 (2023/10/07)

Perpendicular:

9 kHz~150 kHz



Site : Chamber A

Condition : 3m

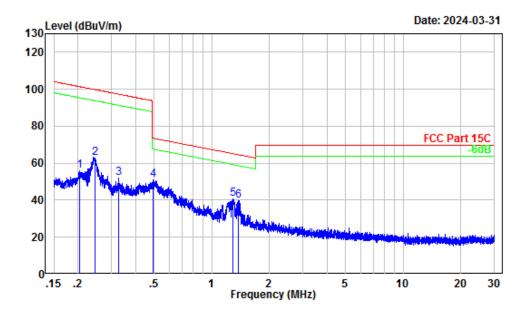
Project Number: SZ1240130-06923E-RF

Note : Charging
Note : Perpendicular
Tester : Warren Huang

	Freq	Factor			Limit Line		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

TR-EM-RF034 Page 20 of 31 Version 1.0 (2023/10/07)

150 kHz~30 MHz



Site : Chamber A

Condition : 3m

Project Number: SZ1240130-06923E-RF

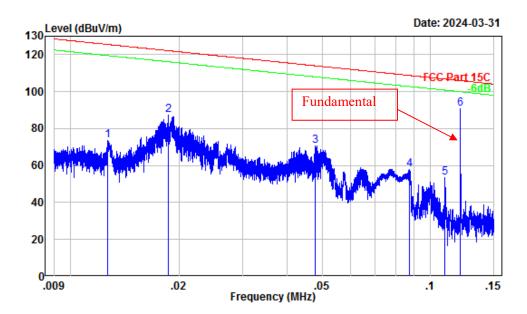
Note : Charging
Note : Perpendicular
Tester : Warren Huang

	Freq	Factor			Limit Line		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

TR-EM-RF034 Page 21 of 31 Version 1.0 (2023/10/07)

Ground-parallel:

9 kHz~150 kHz



Site : Chamber A

Condition : 3m

Project Number: SZ1240130-06923E-RF

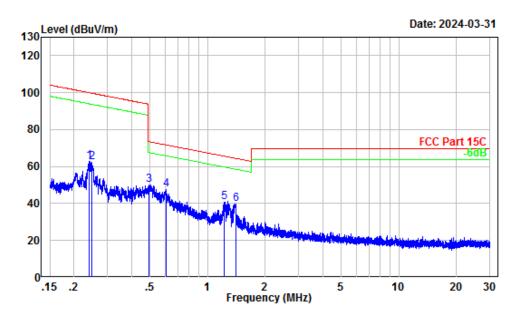
Note : Charging

Note : Ground-parallel Tester : Warren Huang

	Freq	Factor			Limit Line		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

TR-EM-RF034 Page 22 of 31 Version 1.0 (2023/10/07)

150 kHz~30 MHz



Site : Chamber A

Condition : 3m

Project Number: SZ1240130-06923E-RF

Note : Charging

Note : Ground-parallel Tester : Warren Huang

	Freq	Factor			Limit Line		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		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

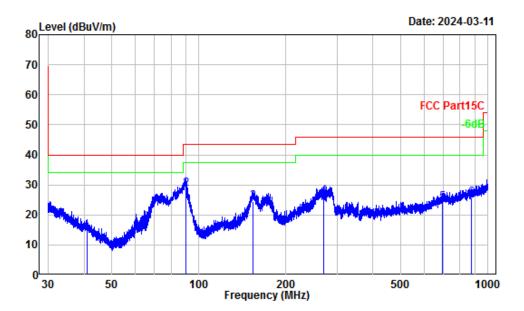
TR-EM-RF034 Page 23 of 31 Version 1.0 (2023/10/07)

30MHz~1GHz:

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

Horizontal

Report No.: SZ1240130-06923E-RF-00A



Site : Chamber A Condition : 3m Horizontal Project Number: SZ1240130-06923E-RF

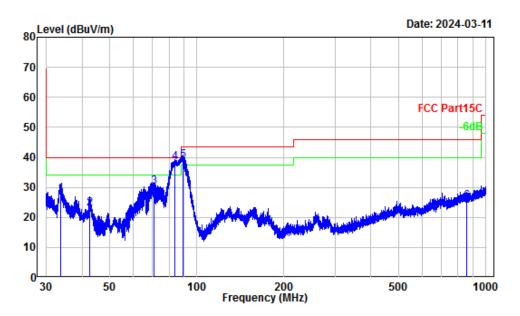
Note : Charging

Tester : Wareen Huang

			Read		Limit	0ver	
	Freq	Factor	Level	Level	Line	Limit	Remark
	MU-	dB/m	-dpV	dB.W//m	dBull/m		
	MUZ	ub/m	ubuv	ubuv/III	ubuv/III	ub	
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

TR-EM-RF034 Page 24 of 31 Version 1.0 (2023/10/07)

Vertical



Site : Chamber A Condition : 3m Vertical

Project Number: SZ1240130-06923E-RF

Note : Charging Tester : Wareen Huang

			Read		Limit	0ver	
	Freq	Factor	Level	Level	Line	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		-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

TR-EM-RF034 Page 25 of 31 Version 1.0 (2023/10/07)

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.

Report No.: SZ1240130-06923E-RF-00A

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

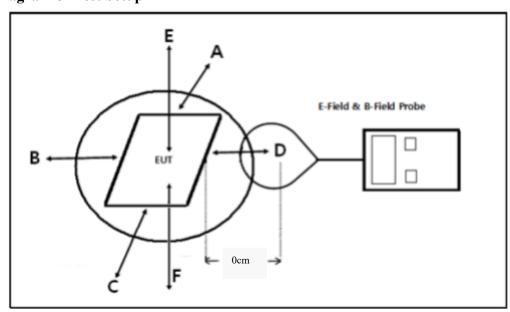
	(B) Limits for General Population/Uncontrolled Exposure							
Frequency Range (MHz)								
0.3-1.34	614	1.63	*(100)	30				
1.34–30	824/f	2.19/f	*(180/f ²)	30				
30–300	27.5	0.073	0.2	30				
300-1500	/	/	f/1500	30				
1500-100,000	/	/	1.0	30				

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

According with 680106 D01 Wireless Power Transfer v04 clause 3.2

Accordingly, for \S 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 \S 1.1310, that is, 614 V/m and 1.63 A/m, for the electric field and magnetic field, respectively. For \S 2.1093-Portable devices below 4 MHz and down to 100 kHz, the MPE limits in \S 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



TR-EM-RF034 Page 26 of 31 Version 1.0 (2023/10/07)

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

Temperature:	26 °C
Relative Humidity:	52 %
ATM Pressure:	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.

TR-EM-RF034 Page 27 of 31

Report No.: SZ1240130-06923E-RF-00A

FCC §15.215 (c) – 20 dB EMISSION BANDWIDTH

Applicable Standard

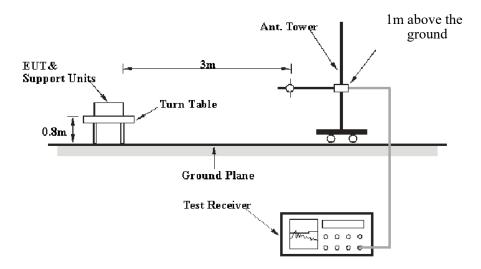
According to § 15.215 (c)

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.

Report No.: SZ1240130-06923E-RF-00A

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.



TR-EM-RF034 Page 28 of 31 Version 1.0 (2023/10/07)

Test Data

Environmental Conditions

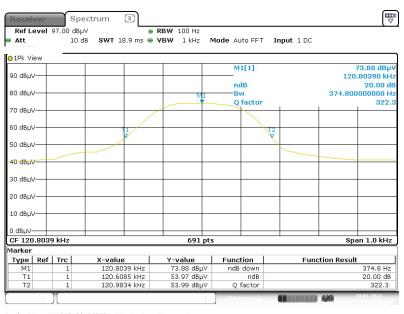
Temperature:	25 ℃
Relative Humidity:	52 %
ATM Pressure:	101.0 kPa

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



ProjectNo.:SZ1240130-06923E-RF Tester:Warren Huang

Date: 29.MAR.2024 15:49:52

Report No.: SZ1240130-06923E-RF-00A

Bay Area Compliance Laboratories	o Corp. (Sherizhell)	Report No.: SZ1240130-06923E-RF-00A		
EUT PHOTOGRAPHS	S			
Please refer to the attachment S photo.	Z1240130-06923E-RF Extern	nal photo and SZ1240130-06923E-RF Interna		
	Page 30 of 31	Version 1.0 (2023/10/07)		

TEST SETUP PHOTOGRAPHS

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

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