TEST REPORT

Report No.:	8236EU011704W2
Applicant:	Shenzhen Jimi IoT Co., Ltd.
Address:	3-4/F,Block A,Building#7,Shenzhen International Innovation Valley, Dashi 1st Road,Nanshan District, Shenzhen, China
Product Name:	MagSafe Wireless Car Charger
Model No.:	BZ1OX15
Trademark:	N/A
FCC ID:	2AMLF-BZ1OX15
Test Standard(s):	47 CFR Part 1 Subpart I Section 1.1310 47 CFR Part 2, Subpart J, Section 2.1091
Date of Receipt:	Dec. 17, 2024
Test Date:	Dec. 17, 2024 – Jan. 06, 2025
Date of Issue:	Mar. 11, 2025

ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED

SHENZHEN EU TESTING LABORATORY LIMITED APPROVED

Prepared by:	**Reviewed and Approved by:**
Mikey Zhu/ Engineer	Sally Zhang/ Manager

Revision Record

Report Version	Issued Date	Description	Status
V0	Mar. 11, 2025	Original	Valid

Table of Contents

1 COVER PAGE 1
2 GENERAL INFORMATION 4
2.1 APPLICANT INFORMATION 4
2.2 MANUFACTURER INFORMATION 4
2.3 FACTORY INFORMATION 4
2.4 GENERAL DESCRIPTION OF E.U.T. 4
2.5 TECHNICAL INFORMATION OF E.U.T. 5
3 TEST SUMMARY 6
3.1 TEST STANDARD 6
3.2 TEST VERDICT 6
3.3 TEST LABORATORY 6
4 TEST CONFIGURATION 7
4.1 TEST ENVIRONMENT 7
4.2 TEST EQUIPMENT 7
4.3 TEST MODE 7
4.4 MEASUREMENT UNCERTAINTY 8
5 RF EXPOSURE EVALUATION 9
5.1 TEST REQUIREMENT 9
5.2 TEST SETUP 10
5.1 EVALUATION RESULT 11
ANNEX A TEST SETUP PHOTOS 12

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

2 General Information

2.1 Applicant Information

Applicant	Shenzhen Jimi IoT Co., Ltd.
Address	3-4/F,Block A,Building#7,Shenzhen International Innovation Valley, Dashi 1st Road,Nanshan District, Shenzhen, China

2.2 Manufacturer Information

Manufacturer	Shenzhen Jimi IoT Co., Ltd.
Address	3-4/F,Block A,Building#7,Shenzhen International Innovation Valley, Dashi 1st Road,Nanshan District, Shenzhen, China

2.3 Factory Information

Factory	Shenzhen Mofhie Wireless Charging Technology Co.,LTD
Address	1202, Building 4, Bangyan Green Valley, No. 98, Zhihe Road, Dakang Community, Yuanshan Street, Longgang District, Shenzhen, China

2.4 General Description of E.U.T.

Product Name	MagSafe Wireless Car Charger
Model No. Under Test	BZ1OX15
List Model No.	N/A
Description of Model differentiation	N/A
Rating(s)	USB-C Input: 5.0V⎓3A/9.0V⎓3A Wireless Output 1: 5W/7.5W/10W/15W Wireless Output 2: 5W Wireless Output 3: 5W
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Test Sample No.	-1/2(Normal Sample), -2/2(Engineering Sample)
Hardware Version	N/A
Software Version	N/A
Remark	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.5 Technical Information of E.U.T.

Network and Wireless Connectivity	Wireless Power Transfer (WPT)

The requirement for the following technical information of the EUT was tested in this report:

Technology	**WPT**
Operating Frequency	110.1-205KHz 360KHz
Modulation Type	110.1-205KHz: FSK 360KHz: ASK
Antenna Type	Inductive Loop Coil Antenna
Antenna Gain(Peak)	0 dBi
Remark	The above information are declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant.

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

No.	Identity	Document Title
1	47 CFR Part 1 Subpart I Section 1.1310	Radio frequency radiation exposure limits.
2	47 CFR Part 2, Subpart J, Section 2.1091	Radiofrequency radiation exposure evaluation: mobile devices
3	KDB 680106 D01v04	RF exposure consideration for low power consumer wireless power transfer applications.

Remark:
Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

3.2 Test Verdict

No.	Description	FCC Part No.	Verdict	Remark
1	RF Exposure Evaluation	FCC 1.1310 FCC 2.1091 KDB 680106 D01 Wireless Power Transfer v04	Pass	--

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited
Address	101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Designation Number	CN1368
Test Firm Registration Number	952583

4 Test Configuration

4.1 Test Environment

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

Relative Humidity	30% to 60%	
Atmospheric Pressure	86 kPa to 106 kPa	
Temperature	NT (Normal Temperature)	+15℃ to +35℃
Working Voltage of the EUT	NV (Normal Voltage)	5.0VDC, 9.0VDC

4.2 Test Equipment

Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200A	EE-405	2024/02/13	2025/02/14

4.3 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned bellow was evaluated respectively.

No.	Description	Remark
TM1	Wireless Output (5W) + Empty Load	
TM2	Wireless Output (5W) + Half Load	
TM3	Wireless Output (5W) + Full Load	
TM4	Wireless Output (7.5W) + Empty Load	
TM5	Wireless Output (7.5W) + Half Load	
TM6	Wireless Output (7.5W) + Full Load	
TM7	Wireless Output (10W) + Empty Load	
TM8	Wireless Output (10W) + Half Load	
TM9	Wireless Output (10W) + Full Load	
TM10	Wireless Output (15W) + Empty Load	
TM11	Wireless Output (15W) + Half Load	
TM12	Wireless Output (15W) + Full Load	Record
TM13	Standby	

Note:
1. EUT supports single coil/two coils/three coils working at the same time, so the all conditions have been tested. It is found that TM12(single coil) is the worst mode, and the data in the report only reflects the worst mode.

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

4.4 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test Item	Measurement Uncertainty
Magnetic field measurements(3kHz~10MHz)	±14.6%
Electric field measurements(3kHz~10MHz)	±17.3%

5 RF Exposure Evaluation

5.1 Test Requirement

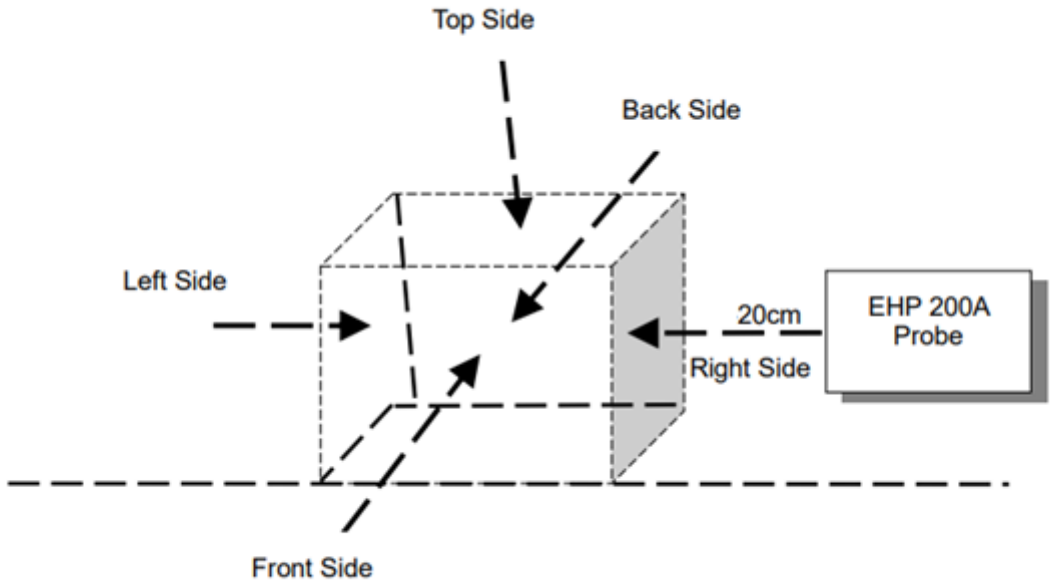
§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

Table 1 to §1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*($900/f^2$)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
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
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

5.2 Test Setup



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 20cm measured from the center of the probe(s) to the edge of the device.

1) The RF exposure test was performed in anechoic chamber.
2) The measurement probe was placed at test distance (20cm) which is between the edge of the charger and the geometric center of probe.
3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

5.1 Evaluation Result

Test Condition: Test Mode 12 operating with client device (1% battery status of client device)

Test Position	E-field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Top	4.8408	614	0.84%	0.1834	1.63	14.10%
Bottom	5.9973			0.2305		
Front	1.2187			0.2022		
Rear	4.2570			0.1893		
Left	3.7453			0.0425		
Right	3.4878			0.0669		

Test Condition: Test Mode 12 operating with client device (50% battery status of client device)

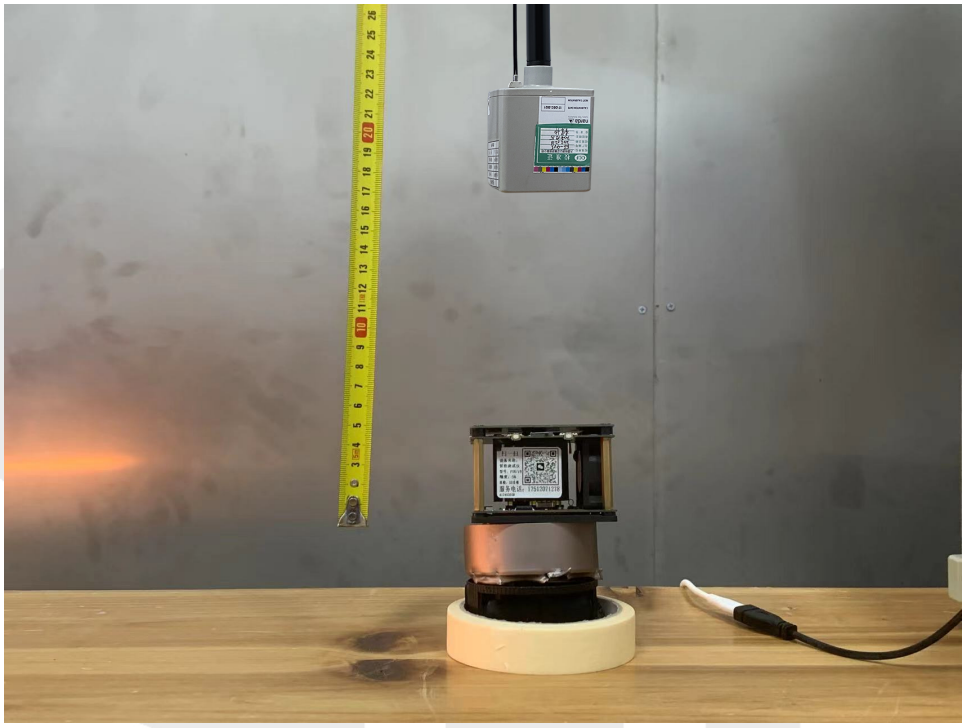
Test Position	E-field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Top	5.3911	614	0.80%	0.1468	1.63	13.84%
Bottom	4.7106			0.1843		
Front	1.6689			0.1624		
Rear	3.4164			0.1517		
Left	3.8522			0.0342		
Right	4.1196			0.0531		

Test Condition: Test Mode 12 operating with client device (99% battery status of client device)

Test Position	E-field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Top	5.8155	614	0.82%	0.1573	1.63	20.60%
Bottom	3.2186			0.1052		
Front	2.1243			0.2634		
Rear	4.7308			0.1506		
Left	4.9017			0.0516		
Right	2.8594			0.2968		

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

ANNEX A TEST SETUP PHOTOS

PHOTO 1	

STATEMENT

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the “inspection and testing dedicated stamp” or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--- End of Report ---

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com