

Test Report No.:
FCC2024-0026-H1

EMC Test Report

EUT : Wireless Charging Moudule
MODEL : 7900800X9D01
BRAND NAME : N/A
APPLICANT : Shenzhen Jiuzhou Zhuoneng Electric CO., LTD.
Classification Of Test : Commission Test

CVC Testing Technology Co., Ltd.



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Product Name	Wireless Charging Moudule	Trade Mark	/
Type/Model	7900800X9D01	Sample Status	/
Applicant	Shenzhen Jiuzhou Zhuoneng Electric CO., LTD.		
Applicant Address	Southern No. 12Rd., Hi-Tech Industrial Park, Nanshan District		
Manufacturer	Shenzhen Jiuzhou Zhuoneng Electric CO., LTD.		
Manufacturer Address	Southern No. 12Rd., Hi-Tech Industrial Park, Nanshan District		
Factory	Shenzhen Jiuzhou Zhuoneng Electric CO., LTD.		
Factory Address	Southern No. 12Rd., Hi-Tech Industrial Park, Nanshan District		
Sample Identification	1-1	Test Item	See page 5
Tested According To	47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01 Wireless Power Transfer v04		
Receiving Date	2024-06-03	Completing Date	2024-07-05
Test conclusion	<p>The equipment under test was found to comply with the requirements of the standards applied.</p> <p>Final Verdict: Pass.</p> <p>Seal of CVC Date of issue: 2024-10-31</p>		
Abbreviations: / Pass= passed Fail = failed N/A= not applicable			
This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.			

Approved by:

Chen Huawen

Reviewed by:

Xu Zhenfei

Tested by:

Lu Weiji



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2024-0026-H1	Original release	October.31,2024



1. CERTIFICATION

PRODUCT	Wireless Charging Moudule
BRAND	N/A
MODEL	7900800X9D01
FCC ID	2BLX3-7900800X9D01
ADDITIONAL MODEL	N/A
OPERATING FREQUENCY	110.5KHz ~ 205KHz
POWER SUPPLY	DC 24V
STANDARDS	47 CFR PART 1, Subpart I, Section 1.1310
	KDB 680106 D01 Wireless Power Transfer v04
Remark: <ol style="list-style-type: none">For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.Please refer to the EUT photo document for detailed EUT photo (FCC2024-0026-EUT).	



2. GENERAL INFORMATION

2.1 DESCRIPTION DESCRIPTION OF TEST MODE

The EUT were tested under the following modes, the final worst mode was marked in boldface and recorded in this repor

EMISSION Test Modes			
For Electric Field Emissions Tests			
Test Mode		Test condition	Test Voltage
1	wireless charging (15W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	DC 24V
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
2	wireless charging (10W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
3	wireless charging (7.5W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
4	wireless charging (5W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
For Magnetic Field Emissions Tests			
Test Mode		Test condition	Test Voltage
1	wireless charging (15W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	DC 24V
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
2	wireless charging (10W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
3	wireless charging (7.5W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	
		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	
4	wireless charging (5W)	Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)	



		Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)	
		Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)	

2.2 DESCRIPTION OF SUPPORTED UNITS

The EUT has been tested with associated equipment below

Description	Manufacturer	Model No.	Serial No.
Wireless charging load	/	5W, 7.5W, 10W, 15W	/

2.3 List of Test and Measurement Instruments

RF EXPOSURE Test				
Equipment	Model No.	Serial Number	Manufacturer	Cal. Due
Electromagnetic radiation tester	ELT-400	O-0459	Germany	2025/4/28

2.4 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

No.	ITEM	FREQUENCY	UNCERTAINTY
1	Electric Field Emissions	3 kHz~30 MHz	±18.12 %
2	Magnetic Field Emissions	3 kHz~30 MHz	±18.12 %

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

2.5 TEST LOCATION

The tests and measurements refer to this report were performed by RF testing Lab. of CVC Testing Technology Co., Ltd.

Address: No.3,TiantaiyiRoad,KaitaiAvenue,ScienceCity,Guangzhou,China

Post Code: 510663 Tel: 020-32293888

FAX: 020-32293889 E-mail: office@cvc.org.cn

Test Firm Registration Number: 937273



3. RF EXPOSURE TEST

3.1 TEST SPECIFICATIONS

Test Requirement:	47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01 Wireless Power Transfer v04
Measurement Distance:	20cm
Test voltage:	DC 24V

3.2 LIMIT

Limits of Test Standard 47 CFR PART 1, Subpart I, Section 1.1310

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).				

3.3 EUT CONFIGURATION AND ENVIRONMENT DETAIL

Operating Environment:

Temperature: 25.0°C Humidity: 52% RH Atmospheric Pressure: 1015 mbar



3.4 TEST RESULTS

RESULTS UNDER Test Standard 47 CFR PART 1, Subpart I, Section 1.1310

Test Mode: wireless charging (15W):

Electric Field Emissions-20cm

Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)				
Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)	10% Limit(V/m)
Side 1	20	11.475	614	61.4
Side 2	20	9.416	614	61.4
Side 3	20	11.613	614	61.4
Side 4	20	10.102	614	61.4
Top	20	18.34	614	61.4
Bottom	20	N/A	614	61.4

Magnetic Field Emissions-20cm

Test condition 1: Operating mode of the device with the client (battery status of the client device is 1%)				
Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)	10%Limit(A/m)
Side 1	20	0.095	1.63	0.163
Side 2	20	0.083	1.63	0.163
Side 3	20	0.096	1.63	0.163
Side 4	20	0.087	1.63	0.163
Top	20	0.125	1.63	0.163
Bottom	20	N/A	1.63	0.163

Note: All modes have been tested and we only record the worst test result in full load mode



Electric Field Emissions-20cm

Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)				
Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)	10% Limit(V/m)
Side 1	20	9.965	614	61.4
Side 2	20	10.514	614	61.4
Side 3	20	9.416	614	61.4
Side 4	20	9.828	614	61.4
Top	20	17.516	614	61.4
Bottom	20	N/A	614	61.4

Magnetic Field Emissions-20cm

Test condition 2: Operating mode of the device with the client (battery status of the client device is 50%)				
Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)	10%Limit(A/m)
Side 1	20	0.087	1.63	0.163
Side 2	20	0.090	1.63	0.163
Side 3	20	0.083	1.63	0.163
Side 4	20	0.086	1.63	0.163
Top	20	0.130	1.63	0.163
Bottom	20	N/A	1.63	0.163

Note: All modes have been tested and we only record the worst test result in full load mode

Electric Field Emissions-20cm

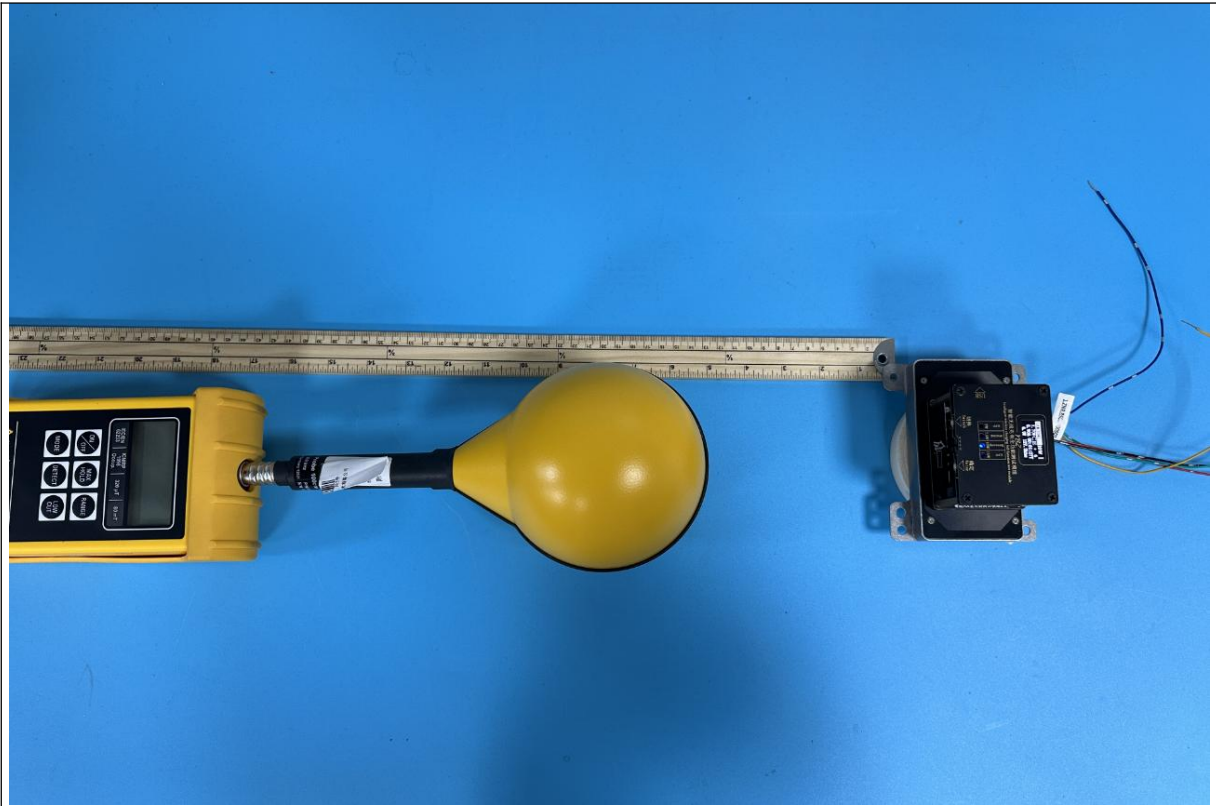
Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)				
Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)	10% Limit(V/m)
Side 1	20	11.064	614	61.4
Side 2	20	9.691	614	61.4
Side 3	20	10.24	614	61.4
Side 4	20	9.828	614	61.4
Top	20	16.967	614	61.4
Bottom	20	N/A	614	61.4

Magnetic Field Emissions-20cm

Test condition 3: Operating mode of the device with the client (battery status of the client device is 99%)				
Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)	10%Limit(A/m)
Side 1	20	0.093	1.63	0.163
Side 2	20	0.085	1.63	0.163
Side 3	20	0.088	1.63	0.163
Side 4	20	0.086	1.63	0.163
Top	20	0.127	1.63	0.163
Bottom	20	N/A	1.63	0.163

Note: All modes have been tested and we only record the worst test result in full load mode

4. PHOTOGRAPHS OF TEST SETUP



TEST DISTANCE 20cm



Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

Address of the laboratory:

CVC Testing Technology Co., Ltd.

Address: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, China

Post Code: 510663

Tel: 020-32293888

FAX: 020-32293889

E-mail: office@cvc.org.cn