

FCC TEST REPORT

FCC ID: 2ACFF-PU0901

On Behalf of

C-SMARTLINK INFORMATION TECHNOLOGY CO., LIMITED

Wireless Charger & Dock

Model No.: PU0901,

MOPU0901, SEPU0901, SKPU0901, VIPU0901, LIPU0901,
KAPU0901, HOPU0901, HSPU0901, GMPU0901, FAPU0901,
EXPU0901, AIPU0901, USPU0901, XFPU0901, SGPU0901,
SGPU0901A, SGPU0901B, STPU0901, STPU0901A, STPU0901B,
MOPU0901A, SEPU0901A, LIPU0901A, GMPU0901A, MOPU0901B,
SEPU0901B, LIPU0901B, GMPU0901B

PU0901X (X=A~Z,can be replaced by one letter from A-Z or blank,indicate different sales customers
and sales markets)

Prepared for : C-SMARTLINK INFORMATION TECHNOLOGY CO., LIMITED
Address : 101 to 501, Factory Building 1, No. 91 Hengping Road, Baoan
Community, Yuanshan Street, Longgang District, Shenzhen

Prepared By : Shenzhen PSI Testing Co., Ltd.
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TEST REPORT DECLARATION

Applicant : C-SMARTLINK INFORMATION TECHNOLOGY CO., LIMITED

Address : 101 to 501, Factory Building 1, No. 91 Hengping Road, Baoan Community, Yuanshan Street, Longgang District, Shenzhen

Manufacturer : C-SMARTLINK INFORMATION TECHNOLOGY CO., LIMITED

Address : 101 to 501, Factory Building 1, No. 91 Hengping Road, Baoan Community, Yuanshan Street, Longgang District, Shenzhen

Factory 1 : C-SMARTLINK INFORMATION TECHNOLOGY CO., LIMITED

Address : 101 to 501, Factory Building 1, No. 91 Hengping Road, Baoan Community, Yuanshan Street, Longgang District, Shenzhen

Factory 2 : HUNAN C-SMARTLINK TECHNOLOGY CO., LTD

Address : Building 5-6-7-8, Chengnan Electronic Information Industrial Park, Chenxi Industrial Development Zone, Chenxi County, Huaihua, Hunan Province

EUT Description : Wireless Charger & Dock

(A) Model No. : PU0901, MOPU0901, SEPU0901, SKPU0901, VIPU0901, LIPU0901, KAPU0901, HOPU0901, HSPU0901, GMPU0901, FAPU0901, EXPU0901, AIPU0901, USPU0901, XFPU0901, SGPU0901, SGPU0901A, SGPU0901B, STPU0901, STPU0901A, STPU0901B, MOPU0901A, SEPU0901A, LIPU0901A, GMPU0901A, MOPU0901B, SEPU0901B, LIPU0901B, GMPU0901B
PU0901X (X=A~Z, can be replaced by one letter from A-Z or blank, indicate different sales customers and sales markets)

(B) Trademark : N/A

Measurement Standard Used:

FCC CFR 47 PART 1, FCC CFR 47 part1, 1.1307(b), 1.1310

KDB 680106 D01 Wireless Power Transfer v04

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness test. Also, this report shows that the EUT is technically compliant with the KDB 680106 D01 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Felix Pang
Test Engineer 

Approved by (name + signature).....: Simple Guan
Project Manager 

Date of issue.....: Apr. 07, 2025

Revision History

Revision	Issue Date	Revisions	Revised By
V0	Apr. 07, 2025	Initial released Issue	Felix Pang

1. Test Result Summary

Requirement	CFR 47 Section	Result
RF EXPOSURE	§1.1307(b)(1), §1.1310& KDB680106	PASS

Note:

1. *PASS: Test item meets the requirement.*
2. *Fail: Test item does not meet the requirement.*
3. *N/A: Test case does not apply to the test object.*
4. *The test result judgment is decided by the limit of test standard.*
5. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

2. EUT Description

2.1. Description of Device (EUT)

EUT Name	: Wireless Charger & Dock
Model No.	: PU0901, MOPU0901, SEPU0901, SKPU0901, VIPU0901, LIPU0901, KAPU0901, HOPU0901, HSPU0901, GMPU0901, FAPU0901, EXPU0901, AIPU0901, USPU0901, XFPU0901, SGPU0901, SGPU0901A, SGPU0901B, STPU0901, STPU0901A, STPU0901B, MOPU0901A, SEPU0901A, LIPU0901A, GMPU0901A, MOPU0901B, SEPU0901B, LIPU0901B, GMPU0901B PU0901X (X=A~Z, can be replaced by one letter from A-Z or blank, indicate different sales customers and sales markets)
DIFF.	: PU0901 is tested model, other models are derivative models. The models are identical in circuit, only different on the model names and colour, So the test data of PU0901 can represent the remaining models.
Power supply	: USB Type-C Input: 20V  5 A Max Wireless Output: Earphone: 5 W Phone: 5 W/ 7.5 W/ 15 W
Radio Technology	: Wireless power transmission systems
Operation frequency	: Phone: 111-205KHz, 360KHz Earphone: 111-205KHz
Modulation	: MSK
Antenna Type	: Coil Antenna
Connector cable loss	: 0dB
Software version	: V1.0
Hardware version	: V1.0
Note	: Antenna information is provided by applicant. Testing lab is not responsible for the accuracy of the information.

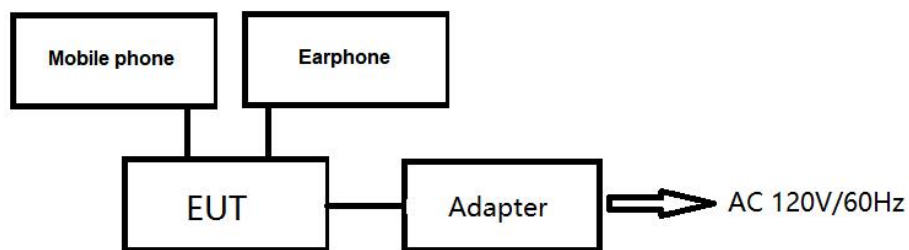
2.2. Accessories of Device (EUT)

Accessories	:	N/A
Manufacturer	:	N/A
Model	:	N/A
specifications	:	N/A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1	Wireless charging load	YBZ	EESON	N/A	N/A
2	AC Adapter	Xiaomi	MDY-12-ED	N/A	N/A
3	Earphone	Apple	A2031	N/A	N/A
4	Mobile phone	Apple Inc.	iPhone 15 Pro	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Description of Test Modes

Number	Modes
1	AC Adapter+Wireless charging mode (Phone Coil MPP protocol: 15W)
2	AC Adapter+Wireless charging mode (Phone Coil MPP protocol: 7.5W)
3	AC Adapter+Wireless charging mode (Phone Coil MPP protocol: 5W)
4	AC Adapter+Wireless charging mode (Phone Coil Qi protocol: Battery Status: $\leq 1\%$)
5	AC Adapter+Wireless charging mode (Phone Coil Qi protocol: Battery Status: 50%)
6	AC Adapter+Wireless charging mode (Phone Coil Qi protocol: Battery Status: $\geq 98\%$)
7	AC Adapter+Wireless charging mode (Earphone : Battery Status: $\leq 1\%$)
8	AC Adapter+Wireless charging mode (Earphone : Battery Status: 50%)
9	AC Adapter+Wireless charging mode (Earphone : Battery Status: $\geq 98\%$)
10	AC Adapter+Wireless charging mode (Phone Coil MPP protocol: 15W) + Earphone : (Battery Status: $\leq 1\%$)
11	AC Adapter+Wireless charging mode (Phone Coil MPP protocol: 7.5W) + Earphone : (Battery Status: $\leq 1\%$)
12	AC Adapter+Wireless charging mode (Phone Coil MPP protocol: 5W) + Earphone : (Battery Status: $\leq 1\%$)
13	AC Adapter+Wireless charging mode (Phone Coil Qi protocol: Battery Status: $\leq 1\%$) + Earphone : (Battery Status: $\leq 1\%$)
14	AC Adapter+Wireless charging mode (Phone Coil Qi protocol: Battery Status: 50%) + Earphone: (Battery Status: $\leq 1\%$)
15	AC Adapter+Wireless charging mode (Phone Coil Qi protocol: Battery Status: $\geq 98\%$) + Earphone : (Battery Status: $\leq 1\%$)
Note: All modes and coil were tested, only the worst-case was recorded in the report. Mode 13 is the worst mode.	

2.6. Test Conditions

Items	Required
Temperature range:	15-35°C
Humidity range:	25-75%
Pressure range:	86-106kPa

2.7. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

2.8. Measurement Uncertainty

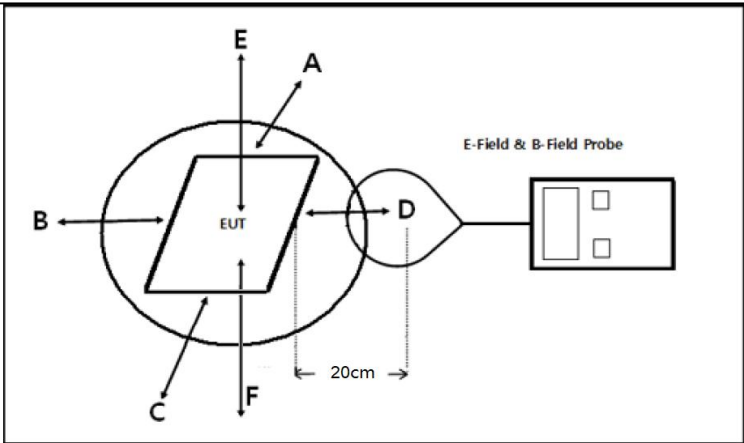
(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for H-Field	2.39dB
Uncertainty for E-Field	2.45dB
Uncertainty for conducted RF Power	0.65dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

3. Test Results and Measurement Data

3.1. RF EXPOSURE TEST

3.1.1. Test Specification

Test Requirement:	FCC Rules and Regulations KDB680106
Test Method:	§1.1307(b)(1) & KDB680106
Limits:	According to §1.1307(b)(1), 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. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB 680106 D01 Wireless Power Transfer v04: RF Exposure Wireless Charging.
Test Setup:	 E to position is 20cm, F is the bottom of the product
Test Mode:	Transmitting Mode (Mobile phone will be charge at zero charge, intermediate charge, and full charge.)
Test Procedure:	1. The RF exposure test was carried out on a non-metallic table top 80cm high in the shielding darkroom. 2. The measurement probe was placed at test distance (20 cm for Top side) which is between the edge of the charger and the geometric centre of probe. 3. The test time is maintained for more than one minute. 4. The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed. 5. The EUT were measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.
Test Result:	PASS

3.1.2. Test Instruments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Exposure Level Tester	narda	ELT-400	O-0729	2024.05.06	1 Year
2	Magnetic field probe 100cm2	narda	ELT probe 100cm2	M-2116	2024.05.06	1 Year

3.1.3. Test data

We have evaluated mode 1 to mode 15 and the worst mode 13 is showed in this report.

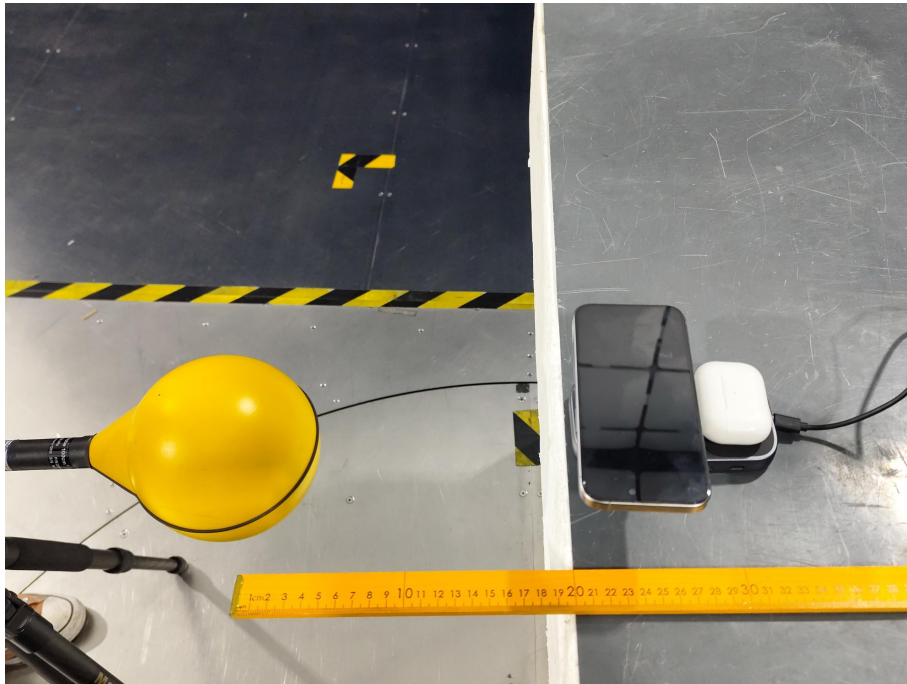
Frequency Range (MHz)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	50%Limits (A/m)	Limits (A/m)	test result
0.111-0.205	A (uT)	0.13	0.09	0.16	0.18	0.21	0.18	0.815	1.63	PASS
	(A/m)	0.17	0.12	0.21	0.24	0.28	0.24			
0.360	A (uT)	0.14	0.12	0.20	0.20	0.19	0.20			
	(A/m)	0.18	0.15	0.25	0.25	0.24	0.25			
0.111-0.205	A (uT)	0.11	0.14	0.22	0.16	0.17	0.22			
	(A/m)	0.14	0.18	0.28	0.20	0.21	0.28			

The device could support transmission with ANT1, ANT2 simultaneously.

$MPE1/LIMIT + MPE2/LIMIT = 0.28/0.815 + 0.28/0.815 = 0.687 \leq 1$

Note: Calculation: $A/m = uT/1.25$

4. Photos of test setup



-----END OF REPORT-----