



FCC TEST REPORT

FCC ID: 2BROK-WP01

On Behalf of

Shenzhen YiYin Technology Co.,Ltd

Magnetic folding 3-in-1 wireless charging

Model No.: WP01

Prepared for : Shenzhen YiYin Technology Co.,Ltd
Address : 808, R&D Building, Yanxiang Science and Technology Industrial Park, 11
Gaoxin West Road, Guangming District, Shenzhen

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
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TEST REPORT DECLARATION

Applicant : Shenzhen YiYin Technology Co.,Ltd
Address : 808, R&D Building, Yanxiang Science and Technology Industrial Park, 11 Gaoxin
West Road, Guangming District, Shenzhen
Manufacturer : Shenzhen YiYin Technology Co.,Ltd
Address : 808, R&D Building, Yanxiang Science and Technology Industrial Park, 11 Gaoxin
West Road, Guangming District, Shenzhen
EUT Description : Magnetic folding 3-in-1 wireless charging
(A) Model No. : WP01
(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).....: Jensen Wang
Test Engineer 
.....

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

Date of issue.....: April 3, 2025

Revision History

Revision	Issue Date	Revisions	Revised By
REV0	April 3, 2025	Initial released Issue	Jensen Wang

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	:	Magnetic folding 3-in-1 wireless charging
Model No.	:	WP01
DIFF.	:	N/A
Power supply	:	Type-C Input: 5V $\overline{\text{---}}$ 3A, 9V $\overline{\text{---}}$ 3A, 12V $\overline{\text{---}}$ 2.4A Wireless Output(Phone): 15W, 10W, 7.5W, 5W Wireless Output(Earphone): 5W Wireless Output(Watch): 2.5W
Radio Technology	:	Wireless power transmission systems
Operation frequency	:	WPT(Phone): 115-205KHz, 360KHz(MPP) WPT(Earbuds): 115-205KHz WPT(Watch): 325KHz
Modulation	:	ASK
Antenna Type	:	Coil Antenna
Connector cable loss	:	0.5dB
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.

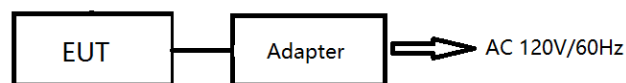
2.2. Accessories of Device (EUT)

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	Adapter	Baseus	CCXFK65CC	N/A	N/A
2	Load	Yuebuzhe	YBZ2.1	N/A	N/A
3	Load	Yuebuzhe	YBZ2.1	N/A	N/A
4	Load	Yuebuzhe	V2.0.1	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Description of Test Modes

Mode	Test mode description
1	Wireless Output for 3 devices= 15W +5W+2.5W WPT(Phone): 115-205KHz
2	Wireless Output for 3 devices= 7.5W +5W+2.5W WPT(Phone): 360KHz
3	Wireless Output(WPT(Phone): 115-205KHz): 15W
4	Wireless Output(WPT(Phone): 115-205KHz): 10W
5	Wireless Output(WPT(Phone): 360KHz): 7.5W
6	Wireless Output(WPT(Phone): 115-205KHz): 5W
7	Wireless Output(Earbuds) : 5W
8	Wireless Output(Watch) : 2.5W
9	No Load

Note: All modes of full load, half load, and no-load have also been tested.

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

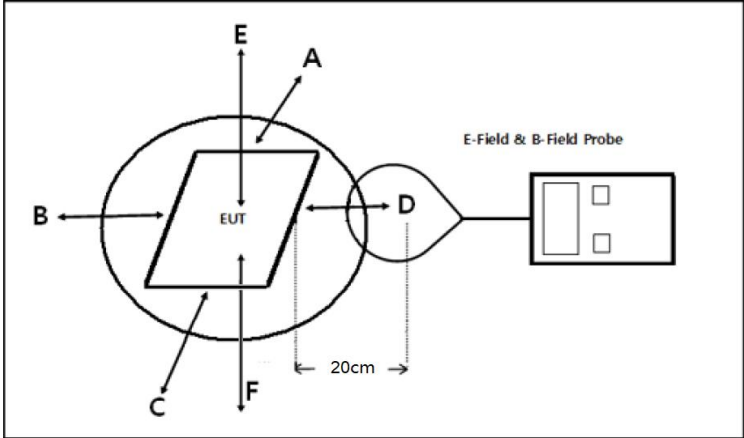
(95% confidence levels, k=2)

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	N-0231	2025.05.22	1 Year
2	Magnetic field probe 100cm2	narda	ELT probe 100cm2	M0675	2025.05.22	1 Year

3.1.3. Equipment Approval Considerations:

The EUT does comply with item 5(b) of KDB 680106 V04

- (1) The power transfer frequency is below 1 MHz.

Yes, the device operate in the frequency range from 115kHz to 205kHz and 325 kHz and 360kHz.

- (2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.

Yes, the maximum output power of the phone coil is 15W. The maximum output power of the Earphone coil is 5W. The maximum output power of the Watch coil is 2.5W.

- (3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)

Yes, the surfaces of the transmitter and client device enclosures are in physical contact.

- (4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).

Yes, the EUT is not a portable device.

- (5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1.

Yes, the EUT field strength levels are less 50% x MPE limit.

- (6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.

Yes, all test modes met the conditions specified in (5).

3.1.4. Test data

We measured the H-Field Strength of 20cm, 22cm and 24cm, and recorded the test data of the worst 20cm.

Fixed type (the worst mode): Phone Wireless(Out)+ Earbuds Wireless(Out) + Watch Wireless(Out)= 15W+5W+2.5W:

E-Field Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (V/m)
0.115-0.325	7.19	7.11	6.43	6.25	7.10	614

H-Filed Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (A/m)
0.115-0.325	0.61	0.66	0.41	0.42	0.36	1.63
uT	0.77	0.82	0.51	0.52	0.45	/

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

Fixed type (the worst mode): Phone Wireless(Out)+ Earbuds Wireless(Out) + Watch Wireless(Out)= 7.5W+5W+2.5W:

E-Field Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (V/m)

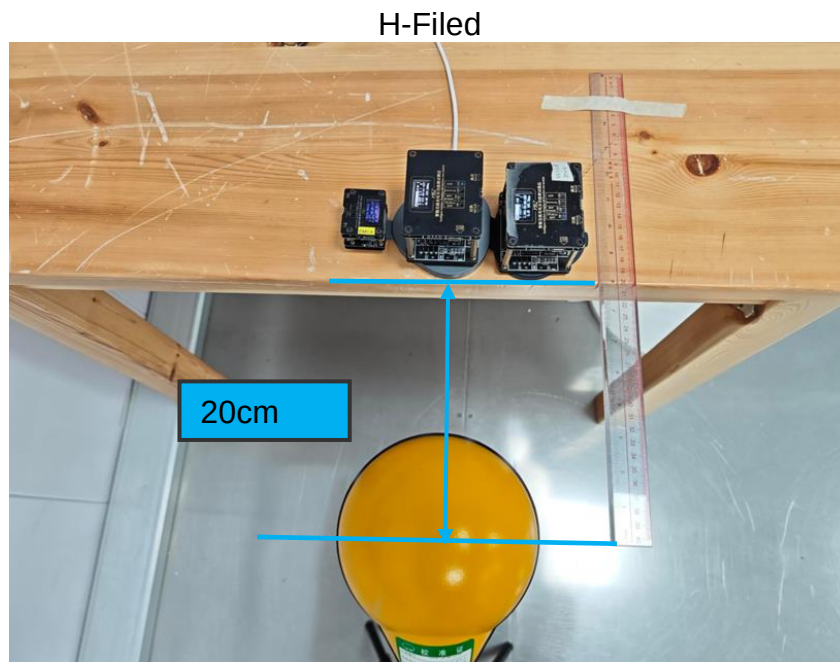
Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (V/m)
0.115-0.360	7.01	6.94	6.23	6.10	6.95	614

H-Filed Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (A/m)
0.115-0.360	0.43	0.62	0.40	0.41	0.33	1.63
uT	0.54	0.78	0.50	0.51	0.41	/

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

4. Photos of test setup



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