FCC TEST REPORT
FCC ID:2AZKN-M9

Report Number.....:	**ZHT-240912014E-1**
Date of Test.....:	Sept. 12, 2024 to Sept. 25, 2024
Date of issue.....:	Sept. 25, 2024
Test Result .....:	PASS
Testing Laboratory..... :	**Guangdong Zhonghan Testing Technology Co., Ltd.**
Address ..... :	Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Applicant's name .....:	**Shenzhen XinZhaoYi Technology Co., LTD**
Address ..... :	2nd Floor, Building A7, Quanbao Industrial Zone, No.32, Guanghui Road, Longteng Community, Shiyan Street, Baoan District, Shenzhen
Manufacturer's name .....:	**Shenzhen XinZhaoYi Technology Co., LTD**
Address ..... :	2nd Floor, Building A7, Quanbao Industrial Zone, No.32, Guanghui Road, Longteng Community, Shiyan Street, Baoan District, Shenzhen
Test specification:	
Standard.....:	FCC CFR Title 47 Part 15 Subpart C KDB 680106 D01 v04
Test procedure.....:	/
Non-standard test method .....:	N/A

This device described above has been tested by ZHT, and the test resul/ show that the equipment under test (EUT) is in compliance with the FCC requiremen/. And it is applicable only to the tested sample identified in the report.

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Product name..... :	**Foldable magnetic Wireless Fast Charging Station**
Trademark .....:	/
Model/Type reference..... :	M9, M91, M93, M95, M96, M98, M9S
Model Difference.....	M9 is tested model, other models are derivative models .The models are identical in circuit, only different on the model names, color and packaging. So the test data of M9 can represent the remaining models.

Ratings..... :	Input : 9V⎓2A Output : for phone 15W(Max) for wireless earbuds 5W For apple watch 2W

Testing procedure and testing location:

Testing Laboratory.....:	Guangdong Zhonghan Testing Technology Co., Ltd.
Address..... :	Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Tested by (name + signature).....:	Leon Li
Reviewer (name + signature)..... :	Baret Wu
Approved (name + signature).....:	Levi Lee

RF Exposure Evaluation

Product Name:	Foldable magnetic Wireless Fast Charging Station
Product Model No.:	M9
Test Auxiliary:	Wireless charging load and AC adapter
Transmitting mode:	Keep the EUT in continuously wireless charging mode
Ratings:	Input : 9V⎓2A Output : for phone 15W(Max) for wireless earbuds 5W For apple watch 2W

Test Modes:	
Mode 1	AC Adapter+Wireless charging(15W) for phone
Mode 2	AC Adapter+Wireless charging(10W) for phone
Mode 3	AC Adapter+Wireless charging(7.5W) for phone
Mode 4	AC Adapter+Wireless charging(5W) for phone
Mode 5	AC Adapter+Wireless charging(5W) for wireless earbuds
Mode 6	AC Adapter+Wireless charging(2W) for apple watch
Mode 7	AC Adapter+Wireless charging(phone:15W+wireless earbuds:5W+apple watch:2W)
Note: 1.All modes were tested, only the worst-case was recorded in the report. Mode 7 is the worst mode. 2.The EUT does not support portable use, and wireless charging output is not supported when only powered by batteries.	

Auxiliary equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	AC Adapter	N/A	HW-059200CHQ	N/A	AE
E-2	Wireless charging load	/	EESON	N/A	AE
E-3	AirPods	Apple	A2031	N/A	AE
E-4	Wireless charging load	/	YBZ	N/A	AE

1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

According to the item 5 of KDB 680106 D01 v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

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

The EUT frequency range is: Phone, wireless earbuds: 110-205KHz, apple watch:300 -350KHz

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

The output power is equal to 15W, Only three coil.

(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)

EUT can be directly charged.

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

EUT is a mobile 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. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

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,EUT has only three coil.

Limits

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)

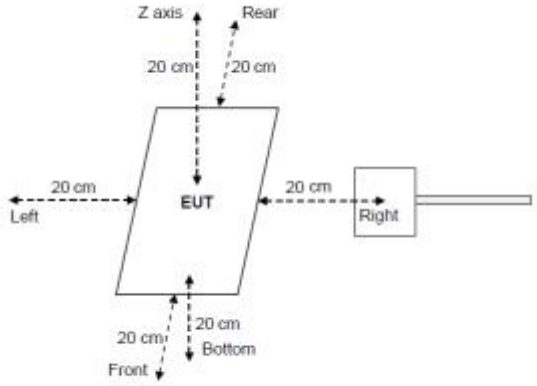
Limits for Maximum Permissible Exposure (MPE)

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).

3 Test Setup

For mobile exposure conditions:



4 Test Procedure

1) The RF exposure test was performed in anechoic chamber.

2) The measurement probe was placed at test distance (20 cm from all sides and 20 cm from the top) 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) were completed.

4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

Remark：The EUT’s test position A, B, C, D and E is valid for the E and H field measurements.

5 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Magnetic Amplitude and Gradient Probe System	SPEAG	MAGPy-8H3D+E3D V2& MAGPy-DAS V2	SZ186-06& 3061	Feb. 26, 2024	Feb. 25, 2025

6 Test Result

All modes were tested, only the worst-case was recorded in the report. Mode 7 is the worst mode.

E-Filed Strength at 20 cm 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	50%Limits (V/m)	Limits (V/m)	test result
0.110-0.205	0.54	0.74	0.32	0.65	0.66	307	614	PASS

H-Filed Strength at 20 cm 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	50%Limits (V/m)	Limits (A/m)	test result
0.110-0.205	0.51	0.44	0.67	0.68	0.21	0.815	1.63	PASS

E-Filed Strength at 20 cm 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	50%Limits (V/m)	Limits (V/m)	test result
0.300-0.350	0.46	0.70	0.40	0.66	0.63	307	614	PASS

H-Filed Strength at 20 cm 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	50%Limits (V/m)	Limits (A/m)	test result
0.300-0.350	0.43	0.52	0.63	0.65	0.24	0.815	1.63	PASS

Test Set-up Photo