FCC TEST REPORT
FCC ID:2BLX4-FUMAX

Report Number.....:	**ZKT-241118L15733E-1**
Date of Test.....:	Oct. 17, 2024 to Nov. 26, 2024
Date of issue.....:	Nov. 26, 2024
Total number of pages.....	26
Test Result .....:	PASS
Testing Laboratory..... :	**Shenzhen ZKT Technology Co., Ltd.**
Address ..... :	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name .....:	**Shenzhen Jufu Energy Technology Co. , Ltd.**
Address ..... :	Plant No. 5 Foxda Industrial Park, No. 4 Lanjing North Road, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen
Manufacturer's name .....:	**Shenzhen Jufu Energy Technology Co. , Ltd.**
Address ..... :	Plant No. 5 Foxda Industrial Park, No. 4 Lanjing North Road, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen
Test specification:	
Standard.....:	FCC CFR 47 PART 1 , 1.1310
Test procedure.....:	KDB 680106 D01 Wireless Power Transfer v04
Non-standard test method .....:	N/A
Test Report Form No..... :	TRF-EL-107_V0
Test Report Form(s) Originator..... :	ZKT Testing
Master TRF .....:	Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Product name.....:	**Little Fuzzy Series Magnetic Wireless Charger**
Trademark .....:	/
Model/Type reference.....:	FU7, FU8
Model difference..... :	FU7 is the test model, while other models are derivative models. These models are the same on the circuit, with only different model names. Therefore, the test data of FU7 can represent the remaining models.
Ratings..... :	Battery capacity: DC 3.87 V / 5000 mAh / 19.35 Wh Type-C Input: 5 V⎓2 A, 9 V⎓2 A Type-C Output:5 V⎓2 A, 9 V⎓2.22 A, 12 V⎓1.67 A Wireless output: 5 W / 7.5 W / 10 W / 15 W (max) Total Output: 5 V⎓2 A Max

Testing procedure and testing location:

Testing Laboratory.....:	**Shenzhen ZKT Technology Co., Ltd.**
Address..... :	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Tested by (name + signature).....:	Jim Liu
Reviewer (name + signature)..... :	Tom Zou
Approved (name + signature).....:	Lake Xie

RF Exposure Evaluation

Product Name:	Little Fuzzy Series Magnetic Wireless Charger
Product Model No.:	FU7, FU8
Model Difference:	FU7 is the test model, while other models are derivative models. These models are the same on the circuit, with only different model names. Therefore, the test data of FU7 can represent the remaining models.
Test Auxiliary:	Wireless charging load
Transmitting mode:	Keep the EUT in continuously wireless charging mode
Ratings:	Battery capacity: DC 3.87 V / 5000 mAh / 19.35 Wh Type-C Input: 5 V⎓2 A, 9 V⎓2 A Type-C Output:5 V⎓2 A, 9 V⎓2.22 A, 12 V⎓1.67 A Wireless output: 5 W / 7.5 W / 10 W / 15 W (max) Total Output: 5 V⎓2 A Max

Test Modes:	
Mode 1	AC adapter charging mode + Wireless charging mode(5W)
Mode 2	AC adapter charging mode + Wireless charging mode(7.5W)
Mode 3	Wireless charging(5W)
Mode 4	Wireless charging(7.5W)
Mode 5	Wireless charging(10W)
Mode 6	Wireless charging(15W)
Note: 1.All modes were tested, only the AC and DC worst-case was recorded in the report. Mode 2 and Mode 6 is the worst mode. 2.EUT support charging and discharging at the same time, Charging and discharging at the same time can only reach 7.5W. 3.The EUT supports portable use.	

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

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.

Requirements of section 3 of KDB 680106 D01	Yes/ No	Description
Mobile Device and Portable Device Configurations	Yes	Portable Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range110.1kHz-205kHz
RF Exposure compliance may be ensured only for a minimum conditions at smaller distances can still be considered unlikely.separation distance that is greater than 20 cm, while use	No	The EUT H-field and E-field strengths at 0 cm surrounding the device.

3 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)

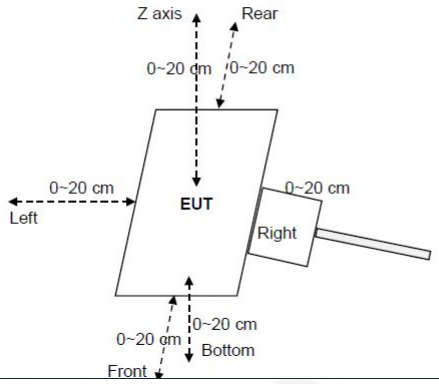
Limits for Maximum Permissible Exposure (MPE)

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).

4 Test Setup

For portable exposure conditions:



5 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.

6 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Exposure Level Tester	Narda	ELT-400	N-0231	Sep. 29, 2024	Sep. 28, 2025
Magnetic field probe 100cm2	Narda	ELT probe 100cm2	M0675	Sep. 29, 2024	Sep. 28, 2025
Isotropic Electric field probe	Narda	EP-601	611WX70332	Sep. 29, 2024	Sep. 28, 2025

7 Test Result

All modes were tested, only the worst-case was recorded in the report. Mode 6 is the worst mode.

E-Filed Strength from the edges surrounding the EUT (V/m)								
The measurement probe was placed at test distance which is between the edge of the charger and the geometric of probe(cm)	Frequency Range (MHz)	Test Position A (Left)	Test Position B (Right)	Test Position C (Rear)	Test Position D (Front)	Test Position E (Top)	Test Position F (Bottom)	Limits (V/m)
0	0.1101-0.205	1.91	1.89	1.90	1.93	1.91	1.89	614
2	0.1101-0.205	1.88	1.86	1.87	1.88	1.83	1.86	614
4	0.1101-0.205	1.86	1.85	1.84	1.86	1.83	1.84	614
6	0.1101-0.205	1.8	1.83	1.82	1.83	1.8	1.82	614
8	0.1101-0.205	1.82	1.82	1.80	1.80	1.85	1.80	614
10	0.1101-0.205	1.80	1.79	1.78	1.79	1.84	1.75	614
12	0.1101-0.205	1.76	1.78	1.76	1.74	1.80	1.74	614
14	0.1101-0.205	1.74	1.73	1.75	1.63	1.76	1.72	614
16	0.1101-0.205	1.73	1.70	1.73	1.60	1.72	1.70	614
18	0.1101-0.205	1.70	1.69	1.70	1.56	1.70	1.68	614
20	0.1101-0.205	1.69	1.65	1.68	1.53	1.66	1.65	614

H-Filed Strength from the edges surrounding the EUT (A/m)														
The measurement probe was placed at test distance which is between the edge of the charger and the geometric of probe(cm)	Frequency Range (MHz)	Test Position A (Left) uT	Test Position A (Left) A/m	Test Position B (Right) uT	Test Position B (Right) A/m	Test Position C (Rear) uT	Test Position C (Rear) A/m	Test Position D (Front) uT	Test Position D (Front) A/m	Test Position E (Top) uT	Test Position E (Top) A/m	Test Position F (Bottom) uT	Test Position F (Bottom) A/m	Limits (A/m)
0	0.1101-0.205	0.65	0.52	0.68	0.54	0.66	0.53	0.70	0.56	0.70	0.56	0.74	0.59	1.63
2	0.1101-0.205	0.63	0.50	0.64	0.51	0.65	0.52	0.68	0.54	0.66	0.53	0.70	0.56	1.63
4	0.1101-0.205	0.60	0.48	0.61	0.49	0.63	0.50	0.64	0.51	0.64	0.51	0.68	0.54	1.63
6	0.1101-0.205	0.59	0.47	0.58	0.46	0.61	0.49	0.60	0.48	0.63	0.50	0.60	0.48	1.63
8	0.1101-0.205	0.55	0.44	0.56	0.45	0.58	0.46	0.56	0.45	0.58	0.46	0.56	0.45	1.63
10	0.1101-0.205	0.53	0.42	0.53	0.42	0.54	0.43	0.55	0.44	0.54	0.43	0.55	0.44	1.63
12	0.1101-0.205	0.49	0.39	0.50	0.40	0.49	0.39	0.45	0.36	0.50	0.40	0.51	0.41	1.63
14	0.1101-0.205	0.45	0.36	0.49	0.39	0.46	0.37	0.44	0.35	0.46	0.37	0.49	0.39	1.63
16	0.1101-0.205	0.34	0.27	0.45	0.36	0.45	0.36	0.48	0.38	0.50	0.40	0.54	0.43	1.63
18	0.1101-0.205	0.31	0.25	0.40	0.32	0.41	0.33	0.44	0.35	0.45	0.36	0.48	0.38	1.63
20	0.1101-0.205	0.29	0.23	0.33	0.26	0.38	0.30	0.40	0.32	0.44	0.35	0.45	0.36	1.63

Note: Calculation: A/m=uT/1.25

E-field (V/m):

According to the following table, when we backward derivation 0cm, it should be 1.91(V/m), with a deviation from the actual test value of 1%.

E-field (V/m)			
0cm	2cm	4cm	6cm
1.93	1.88	1.86	1.83

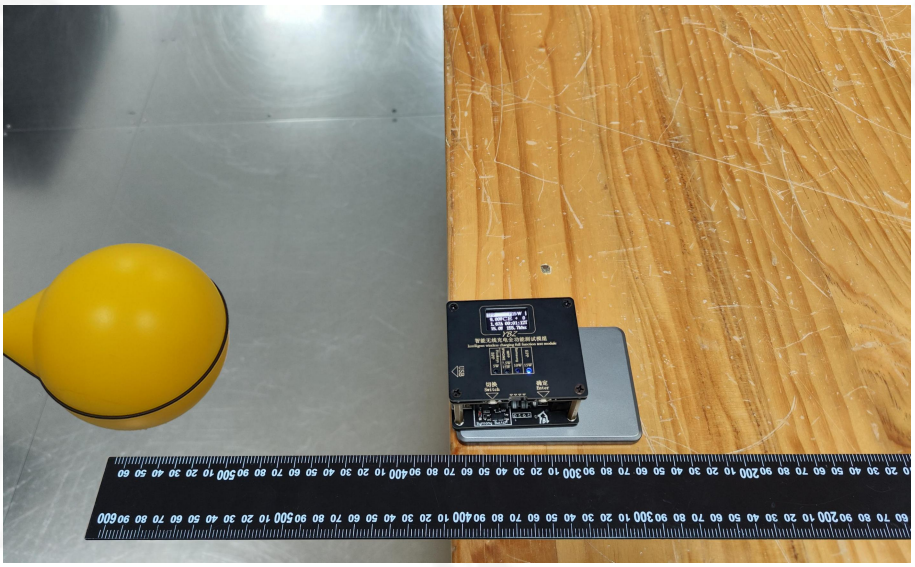
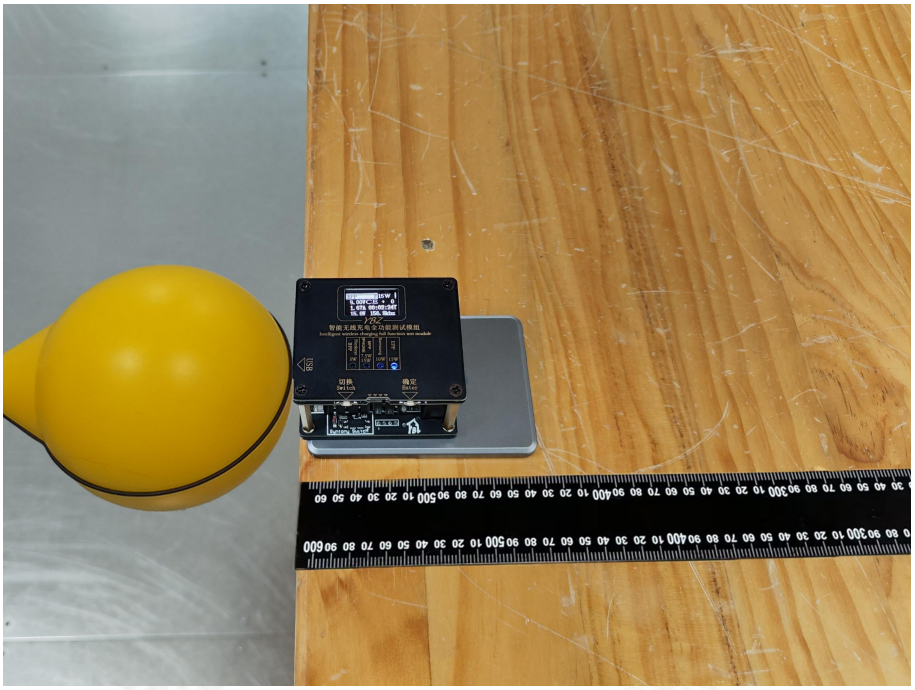
Note:

1. Estimated value (0cm) / Measured value(4cm) = Measured value(2cm) / Measured value(6cm)
2. Deviation = [Measured value(0cm) - Estimated value (0cm)]/ Measured value(0cm)
3. Estimated value (0cm) = 1.86*1.88/1.83= 1.91(V/m)
4. Deviation = (1.93-1.91)/1.93=1%

H-field (A/m):

According to the following table, when we backward derivation 0cm, it should be 0.6(A/m), with adeviation from the actual test value of -1%.

H-field (A/m)			
0cm	2cm	4cm	6cm
0.59	0.56	0.54	0.50

1. Estimated value (0cm) / Measured value(4cm) = Measured value(2cm) / Measured value(6cm)
2. Deviation = [Measured value(0cm) - Estimated value (0cm)]/ Measured value(0cm)
3. Estimated value (0cm) = 0.56*0.54/0.5= 0.6(V/m)
4. Deviation = (0.59-0.60)/0.59=-1%

Test Set-up Photo