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FCC TEST REPORT

FCC ID:2BG4H-JY-01

Report No..... : ZHT-250225104W01-2
Product..... : Foldable Wireless Charger Alarm Clock
Trademark..... : /
Model(s)..... : JY-01
Model difference..... : /
Applicant..... : Shenzhen Jiuyang Technology Co., Ltd
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Manufacturer..... : Shenzhen Jiuyang Technology Co., Ltd
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Date of Receipt..... : May 5, 2025
Date of Test(s)..... : May 5, 2025-May 8, 2025
Date of Issue..... : May 8, 2025
Test Standard(s)..... : FCC CFR 47 PART 1 , 1.1310
Test procedure..... : KDB 680106 D01 Wireless Power Transfer v04

In the configuration tested, the EUT complied with the standards specified above.

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Note: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced except in full, without prior written approval of ZHT. This document may be altered or revised by ZHT, personnel only, and shall be noted in the revision of the document.



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Product Name:	Foldable Wireless Charger Alarm Clock
Product Model No.:	JY-01
Model Difference:	/
Transmitting mode:	Keep the EUT in continuously wireless charging mode
Operation Frequency:	Phone charging: 110.1 -205 kHz
Power supply:	Input: 9 V / 2.22 A Phone charging port output:5 W /7.5 W /10 W Built-in battery DC 3.7 V only supplies power to the alarm clock

Test Modes:

Mode 1	AC Adapter + Phone charging port(Battery Status: $\leq 1\%$)
Mode 2	AC Adapter + Phone charging port(Battery Status:50%)
Mode 3	AC Adapter + Phone charging port(Battery Status: $\geq 98\%$)
Mode 4	Standby

Note: All modes were tested, only the worst-case was recorded in the report. Mode 1 is the worst mode.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Foldable Wireless Charger Alarm Clock	/	JY-01	/	EUT
E-2	AC ADAPTER	/	MDY-12-ED	/	AE
E-3	Mobile phone	Xiaomi	Xiaomi 13	/	AE



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1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

Requirements of section 3 of KDB 680106 D01	Yes/ No	Description
Mobile Device and Portable Device Configurations	Yes	Mobile Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range 110.1-205 kHz.
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	Yes	The aggregate H-field and E-field strengths anywhere at or beyond 20 cm surrounding the device, and 20 cm away from the top surface.



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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)

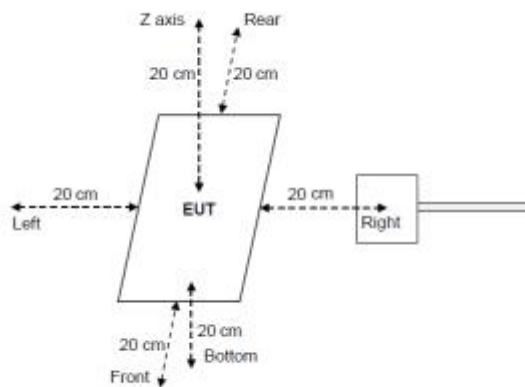
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	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 mobile 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 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	H-field	$\pm 0.7\text{dB}$

Decision Rule

- ☒ Uncertainty is not included
☐ Uncertainty is included





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7 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



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8 Test Result

We have evaluated mode 1 to mode 4 and the worst mode 1 is showed in this report.

Charging coil	Frequency Range (MHz)	Test Position A (uT)	Test Position A (A/m)	Test Position B (uT)	Test Position B (A/m)	Test Position C (uT)	Test Position C (A/m)	Test Position D (uT)	Test Position D (A/m)	Test Position E (uT)	Test Position E (A/m)	50% Limits (A/m)	Limits (A/m)	test result
Phone	0.1101-0.205	0.83	0.66	0.54	0.43	0.56	0.45	0.46	0.37	0.63	0.5	0.815	1.63	PASS

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



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9 Test Set-up Photo

