

# FCC TEST REPORT

## FCC ID:2BG4H-JY-02

Report No..... : ZHT-250218125W02-2  
Product..... : 2-in-1 Wireless Charger and Book Light  
Trademark..... : /  
Model(s)..... : JY-02  
Model difference..... : /  
Applicant..... : Shenzhen Jiuyang Technology Co., Ltd  
Address..... : 401, Building 7, Yahaoxuan, No. 502 Jian'an 1st Road, Wenhui Community, Xin'an Street, Bao'an District, Shenzhen  
Manufacturer..... : Shenzhen Jiuyang Technology Co., Ltd  
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Prepared by..... : Guangdong Zhonghan Testing 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

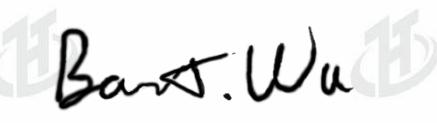
In the configuration tested, the EUT complied with the standards specified above.

Tested by:

  
kimi Lu

Kimi Lu/ Engineer

Reviewed by:

  
Baret Wu

Baret Wu/ Director

Approved by:

  
Levi Lee

Levi Lee/ Manager

**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.

Product Name:	2-in-1 Wireless Charger and Book Light
Product Model No.:	JY-02
Model Difference:	/
Transmitting mode:	Keep the EUT in continuously wireless charging mode
Operation Frequency:	Phone charging: 110.1 -205 kHz Apple Watch charging: 315-335 kHz
Power supply:	Input: 9 V / 2.22 A Phone charging port: 5 W / 7.5 W / 10 W Apple Watch charging port: 2.5 W

**Test Modes:**

Mode 1	AC Adapter + Phone charging port + Apple Watch charging port(Battery Status: $\leq 1\%$ )
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Mode 2	AC Adapter + Phone charging port + Apple Watch charging port(Battery Status: 50%)
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Mode 3	AC Adapter + Phone charging port + Apple Watch charging port(Battery Status: $\geq 98\%$ )
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Mode 4	Standby
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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	2-in-1 Wireless Charger and Book Light	/	JY-02	/	EUT
E-2	AC ADAPTER	/	MDY-12-ED	/	AE
E-3	Mobile phone	Xiaomi	Xiaomi 13	/	AE
E-4	Apple watch	Apple Inc.	ultra 2	/	AE

## 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, 315-335 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.

### 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)

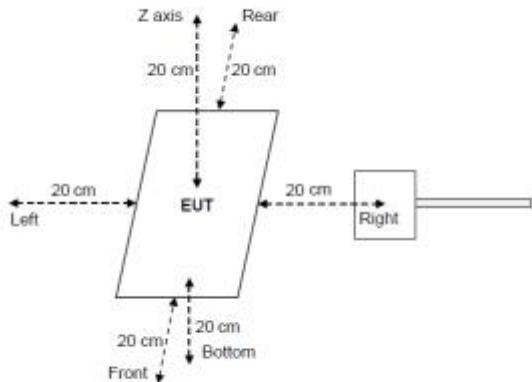
#### Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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 expended 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	$\pm 0.7 \text{ dB}$
2	E-field	$\pm 1.06 \text{ dB}$

### Decision Rule

Uncertainty is not included  
 Uncertainty is included

## 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

## 8 Test Result

We have evaluated mode 1 to mode 16 and the worst mode 1 is showed in this report.

H-Field Strength at 20 cm from the edges surrounding the EUT (A/m)

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	0.25	0.2	0.31	0.25	0.34	0.27	0.45	0.36	0.48	0.38	0.815	1.63	PASS
Apple Watch	0.315-0.335	0.38	0.3	0.29	0.23	0.40	0.32	0.43	0.34	0.33	0.26	0.815	1.63	PASS

The device could support transmission with ANT1, ANT2 simultaneously.

MPE1/LIMIT+MPE2/LIMIT=0.38/0.815 +0.34/0.815=0.88≤1

Note: Calculation: A/m=uT/1.25

**9 Test Set-up Photo**

