

TEST REPORT

FCC ID:2BXIL-WCR30

Applicant..... : Shenzhen Newey Co., Limited

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Manufacturer..... : Shenzhen Newey Co., Limited

Address of Manufacturer..... : 5th Floor, Building 1, Huafeng Science Park, Fengtang Avenue,
Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Trademark..... : /

Product..... : POWER BANK

Model No..... : WCR30

Additional Model(s)..... : /

Model Difference..... : /

Prepared by..... : Guangdong Zhonghan Testing Technology Co., Ltd.

Address..... : Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai
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Date of Receipt..... : Aug. 12, 2026

Date of Test(s)..... : Aug. 12, 2026 - Sept. 8, 2026

Date of Issue..... : Sept. 23, 2026

Test Standard(s)..... : KDB 680106 D01 Wireless Power Transfer v04

Conclusions..... : PASS

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

Prepared by:

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Kimi Lu/ Engineer

Reviewed by:

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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



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1. General Information

1.1 General Description of EUT (Equipment Under Test)

EUT Name	:	POWER BANK
Test Model No.	:	WCR30
Ratings	:	Capacity:DC 3.85V, 4800mAh, 18.48Wh Input USB-C:DC 5V/3A, DC 9V/2A, DC 12V/1.5A-PD20W Output USB-C:DC 5V/3A, DC 9V/2.22A, DC 12V/1.67A-20W Wireless Output: 15 Watt Max
Operation frequency	:	Phone: 115-205kHz, 360±2kHz Earbud: 115-205kHz watch: 320-330kHz
Modulation Type	:	ASK
Antenna Type	:	Coil Antenna
Antenna Gain	:	0dBi
Hardware Version	:	V1.0
Software Version	:	V1.0
Sample Number:	:	260812109YP001
Remark:The antenna gain provided by the applicant, if the data provided by the applicant is not accurate, Guangdong Zhonghan Testing Technology Co., Ltd. does not assume any responsibility.		

Note:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



1.2 Description of Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

Final Test Mode	Description
Mode 1	AC Mains + Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-5 W
Mode 2	AC Mains + Phone charging port(Battery Status:50%)(115-205kHz)-5 W
Mode 3	AC Mains + Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-5 W
Mode 4	AC Mains + Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-7.5 W
Mode 5	AC Mains + Phone charging port(Battery Status:50%)(115-205kHz)-7.5 W
Mode 6	AC Mains + Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-7.5 W
Mode 7	AC Mains + Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-10 W
Mode 8	AC Mains + Phone charging port(Battery Status:50%)(115-205kHz)-10 W
Mode 9	AC Mains + Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-10 W
Mode 10	Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-5 W
Mode 11	Phone charging port(Battery Status:50%)(115-205kHz)-5 W
Mode 12	Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-5 W
Mode 13	Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-7.5 W
Mode 14	Phone charging port(Battery Status:50%)(115-205kHz)-7.5 W
Mode 15	Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-7.5 W
Mode 16	Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-10 W
Mode 17	Phone charging port(Battery Status:50%)(115-205kHz)-10 W
Mode 18	Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-10 W
Mode 19	Phone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-EPP15 W
Mode 20	Phone charging port(Battery Status:50%)(115-205kHz)-EPP15 W
Mode 21	Phone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-EPP15 W
Mode 22	Phone charging port(Battery Status: $\leq 1\%$)(360 $\pm$ 2kHz)-MPP15 W
Mode 23	Phone charging port(Battery Status:50%)(360 $\pm$ 2kHz)-MPP15 W
Mode 24	Phone charging port(Battery Status: $\geq 98\%$)(360 $\pm$ 2kHz)-MPP15 W
Mode 25	Earphone charging port(Battery Status: $\leq 1\%$)(115-205kHz)-5W
Mode 26	Earphone charging port(Battery Status:50%)(115-205kHz)-5W
Mode 27	Earphone charging port(Battery Status: $\geq 98\%$)(115-205kHz)-5W
Mode 28	Watch charging port -(Battery Status: $\leq 1\%$)(320-330 kHz)-2.5 W
Mode 29	Watch charging port -(Battery Status:50%)(320-330 kHz)-2.5 W
Mode 30	Watch charging port -(Battery Status: $\geq 98\%$)(320-330 kHz)-2.5 W
Mode 31	Standby



1.3Support Equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	AC Adapter	iforg	191106C	/	AE
E-2	Mobile phone	Apple Inc.	iPhone 16 PLUS	/	AE
E-3	Earphone	Apple	A2031	/	AE
E-4	Apple Watch	Apple Inc.	ultra 2	/	AE



1.4 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

No.	Item	Uncertainty
1	H-field	0.7dB
2	E-field	1.06dB

Decision Rule

☒ Uncertainty is not included

☐ Uncertainty is included

1.5 Test Facility

Guangdong Zhonghan Testing Technology Co., Ltd.

Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai Subdistrict, Bao'an

District, Shenzhen, Guangdong, China

1.6 Test Equipment

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
Near-field Electric and Electric Field Sensor System	Schmid & Partner Engineering AG	MAGPy-8H3D+E3D V2	3127	September 09, 2025	September 08, 2026
Near-field Electric and Electric Field Sensor System	Schmid & Partner Engineering AG	MAGPy-DASV2	3121	September 09, 2025	September 08, 2026



2. RF Exposure Considerations

2.1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2.2 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 range Cellphone: 115-205kHz, 360kHz Earphone: 115-205kHz Watch: 320-330kHz
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 EUT H-field and E-field strengths at 0-20 cm surrounding the device.

2.3 Limit

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)

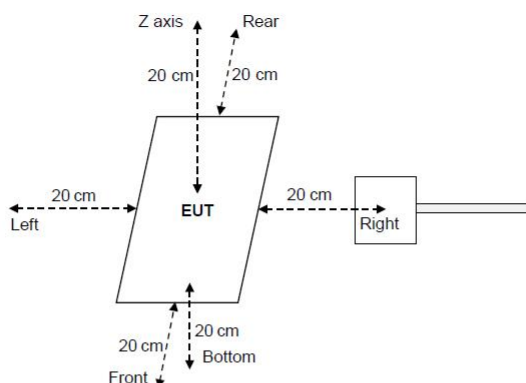
Limits for Maximum Permissible Exposure (MPE)

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).				

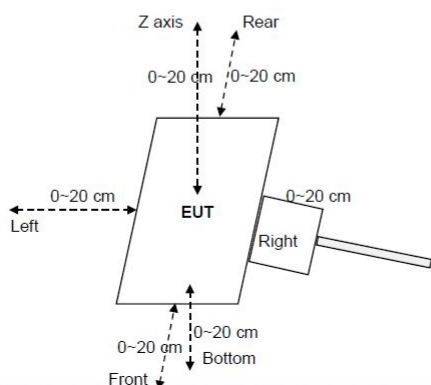


2.4 Test Setup

For mobile exposure conditions:



For portable exposure conditions:



2.5 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (0/2/4/6/8/10/12/14/16/18/20cm) 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.



2.6 Test Result

We have evaluated mode 1 to mode 31 and the worst mode 24 is showed in this report.
H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each edge/top surface of the host/client pair were also evaluated for portable use conditions.

Assessed Distance (cm)	Frequency Range (MHz)	Test Position A (A/m)	Test Position B (A/m)	Test Position C (A/m)	Test Position D (A/m)	Test Position E (A/m)	Test Position F (A/m)	50% Limits (A/m)	Limits (A/m)	test result
0	360	0.43	0.36	0.62	0.78	0.69	0.61	0.815	1.63	PASS
Measured Distance (cm)	Frequency Range (MHz)	Test Position A (A/m)	Test Position B (A/m)	Test Position C (A/m)	Test Position D (A/m)	Test Position E (A/m)	Test Position F (A/m)	50% Limits (A/m)	Limits (A/m)	test result
2	360	0.13	0.13	0.15	0.11	0.12	0.19	0.815	1.63	PASS
4	360	0.11	0.13	0.15	0.15	0.10	0.12	0.815	1.63	PASS
6	360	0.08	0.07	0.12	0.06	0.09	0.15	0.815	1.63	PASS
8	360	0.05	0.06	0.06	0.07	0.08	0.06	0.815	1.63	PASS
10	360	0.06	0.03	0.06	0.03	0.05	0.06	0.815	1.63	PASS
12	360	0.01	0.06	0.03	0.05	0.06	0.08	0.815	1.63	PASS
14	360	0.06	0.06	0.08	0.06	0.004	0.04	0.815	1.63	PASS
16	360	0.006	0.05	0.06	0.04	0.003	0.004	0.815	1.63	PASS
18	360	0.003	0.005	0.004	0.003	0.006	0.001	0.815	1.63	PASS
20	360	0.004	0.005	0.008	0.006	0.003	0.009	0.815	1.63	PASS

According to the formula:

The formula for the magnetic field strength at a distance r from the coil is

$$H = I / (2\pi r) * \mu$$

H is A/m

I is the current intensity

μ is the permeability, and its value depends on the medium.

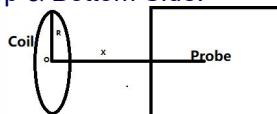
The other parameters are fixed, so H is inversely proportional to r.

X is the distance from the test point to the center of the coil circle.



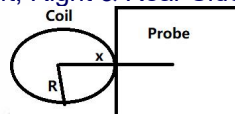
$$B = \frac{\mu_0 I R^2}{2(R^2 + X^2)^{3/2}}$$

Top & Bottom Side:



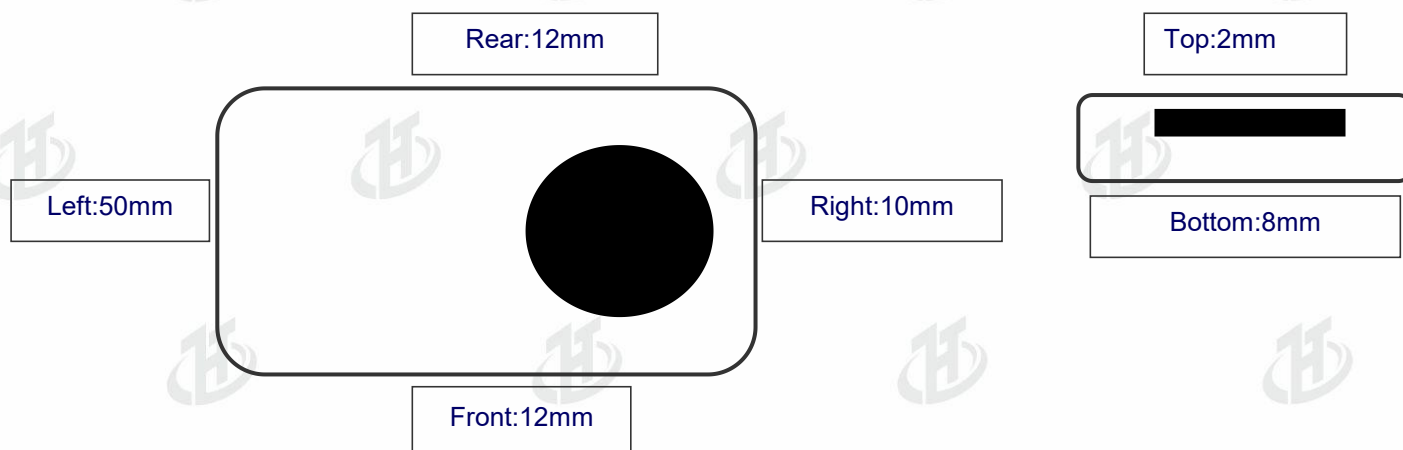
$$B = \frac{\mu_0 * I * N * R^2}{2 * (R^2 + X^2)^{3/2}}$$

Front, Left, Right & Rear Side:



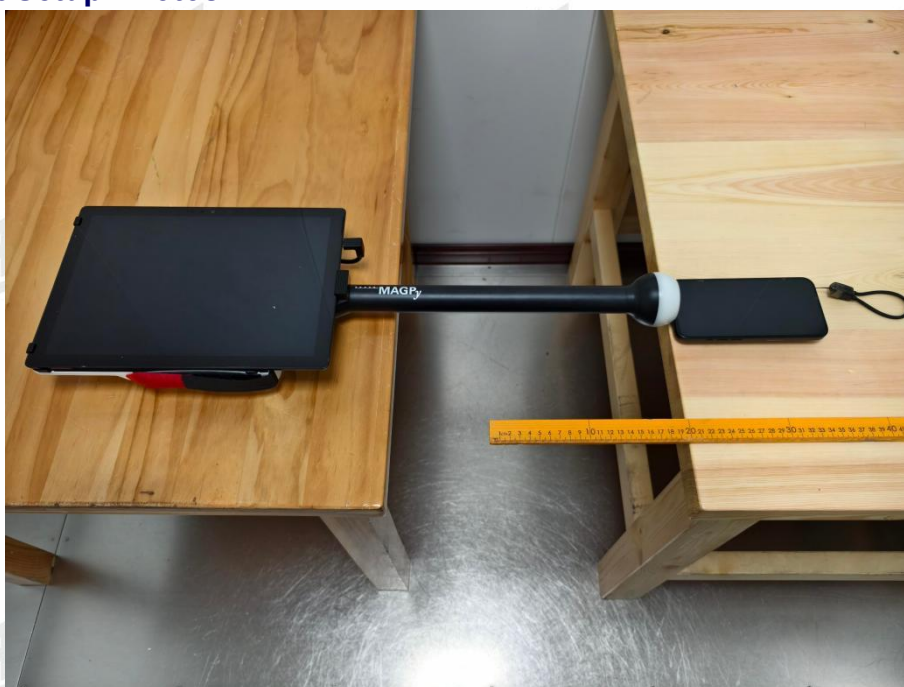
$$B = \frac{\mu_0 * I * N}{2 * X}$$

Symbol Definition	
B	means H-field value. (Unit: A/m)
μ_0	is space permeability, $\mu_0 = 4\pi * 10^{-7}$.
I	a current element passing through a coil. (Unit: A)
R	the distance from the center point of the wireless charging device to other edges. $R = 38/2 = 19\text{mm} = 0.019\text{m}$
X	means the evaluated point to the coil center. (For top & bottom side: $x = \text{test distance}$; For other side: $x = \text{test distance} + R$)
N	Number of turns, according to provided "Antenna specification" files: $N = 12$





2.7 Test Setup Photos



End of report