

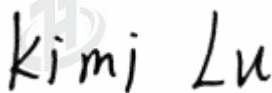
FCC TEST REPORT

FCC ID:2BR4N-PWR11310A

Report No..... : ZHT-250808114W01-2
Product..... : 5000mAh Clear Power Bank
Trademark..... : BatteriesPlus, 
Model(s)..... : PWR11310A
Model Difference..... : /
Applicant..... : MEGIX TECHNOLOGY (ASIA)COMPANY LIMITED
Address..... : ROOM 1405B 14/F, THEBELGIAN BANKBUILDING, NOS.721-725NATHAN ROAD, MONGKOK, KOWLOON.HK
Manufacturer..... : Shenzhen Megix Technology Co.,Ltd.
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Prepared by..... : Guangdong Zhonghan Testing Technology Co., Ltd.
Address..... : Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Date of Receipt..... : Aug. 8, 2025
Date of Test(s)..... : Aug. 8, 2025 to Sept. 11, 2025
Date of Issue..... : Sept. 11, 2025
Standard..... : FCC CFR Title 47 Part 15 Subpart C
Test procedure..... : /

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

Prepared by:



Kimi Lu/ Engineer

Reviewed by:



Baret Wu/ Director

Approved by:



Levi Lee/ Manager

Note: This device described above has been tested by ZHT, 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. This report shall not be reproduced except in full, without the written approval of ZHT, this document may be altered or revised by ZHT, personal only, and shall be noted in the revision of the document.



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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	5000mAh Clear Power Bank
Test Model No.:	PWR11310A
Hardware version:	V1.0
Software version:	V1.0
Operation Frequency:	Phone: 110.1-205kHz
Modulation type:	MSK
Antenna Type:	Coil Antenna
Antenna gain:	0dBi
Ratings	Capacity: 5000mAh(19.25 Wh/3.85 V) Input: 5V---3A/9V---2A/12V---1.5A Output: 5V---3A/9V---2A/12V---1.5A Wireless Output: 5 W/7.5 W/10 W/15 W(Max)
Sample Number:	250808114YP001
Remark:The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Guangdong Zhonghan Testing Technology Co., Ltd. does not assume any responsibility.	



1.2. TEST MODES

Test Modes:	
Mode 1	AC Mains + Phone charging port (Battery Status:≤1%)
Mode 2	AC Mains + Phone charging port (Battery Status:50%)
Mode 3	AC Mains + Phone charging port (Battery Status:≥98%)
Mode 4	Phone charging port (Battery Status:≤1%)
Mode 5	Phone charging port (Battery Status:50%)
Mode 6	Phone charging port (Battery Status:≥98%)
Mode 7	Standby
Note: 1. All test modes has been tested, this report only reflected the worst mode.	

1.3. AUXILIARY EQUIPMENT

Auxiliary equipment					
Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	AC Adapter	Xiaomi	MDY-08-EH	/	AE
E-2	Mobile phone	iQOO	iQOO 12 Pro	/	AE

2. RF EXPOSURE TEST

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	Mobile Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range:110.1-205kHz
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	Yes	The EUT H-field and E-field strengths at 20 cm surrounding the device.



2.3. 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)

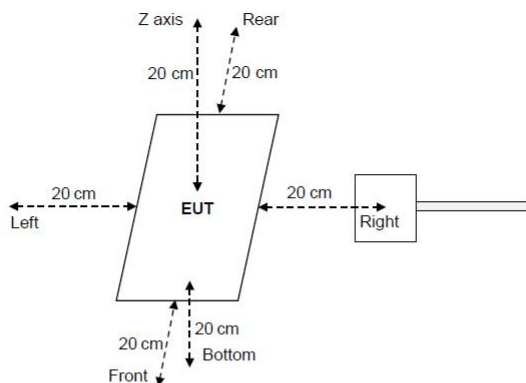
Limits for Maximum Permissible Exposure (MPE)

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

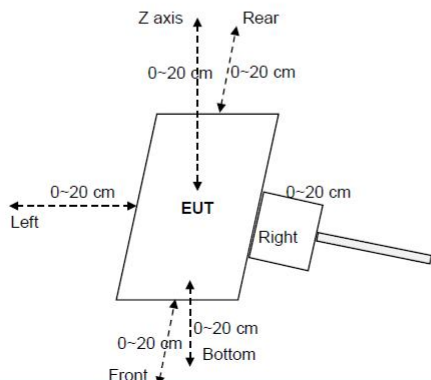
F=frequency in MHz
 * =Plane-wave equivalent power density
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

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 (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.

2.6. 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	14.72%
2	E-field	15.48%

Decision Rule

- ☒ Uncertainty is not included
☐ Uncertainty is included

**2.7. TEST INSTRUMENTS LIST**

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Near-field Electric and Electric Field Sensor System	SPEAG	MAGPy- 8H3D+ED3 V2	3080	November 15, 2023	November 14, 2025
Test software: MAGPY.exe V2.6					



2.8. TEST RESULT

We have evaluated mode 1 to mode 7 and the worst mode 4 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	0.1101-0.205	0.48	0.36	0.63	0.62	0.49	0.36	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	0.1101-0.205	0.12	0.16	0.13	0.14	0.11	0.09	0.815	1.63	PASS
4	0.1101-0.205	0.08	0.12	0.10	0.12	0.09	0.12	0.815	1.63	PASS
6	0.1101-0.205	0.05	0.08	0.12	0.09	0.07	0.10	0.815	1.63	PASS
8	0.1101-0.205	0.03	0.06	0.006	0.05	0.05	0.08	0.815	1.63	PASS
10	0.1101-0.205	0.03	0.04	0.03	0.04	0.03	0.05	0.815	1.63	PASS
12	0.1101-0.205	0.02	0.01	0.02	0.02	0.01	0.03	0.815	1.63	PASS
14	0.1101-0.205	0.01	0.03	0.02	0.04	0.008	0.02	0.815	1.63	PASS
16	0.1101-0.205	0.008	0.02	0.01	0.02	0.005	0.01	0.815	1.63	PASS
18	0.1101-0.205	0.005	0.006	0.008	0.003	0.004	0.01	0.815	1.63	PASS
20	0.1101-0.205	0.004	0.002	0.001	0.001	0.002	0.005	0.815	1.63	PASS

According to the formula:

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

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

H is A/m

I is the current intensity

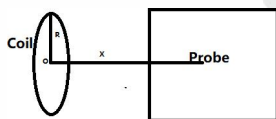
μ is the permeability, and its value depends on the medium.

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.

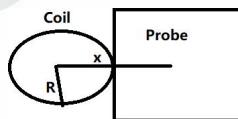
$$B = \frac{\mu_0 I R^2}{2(R^2 + X^2)^{3/2}}$$

Top & Bottom Side:



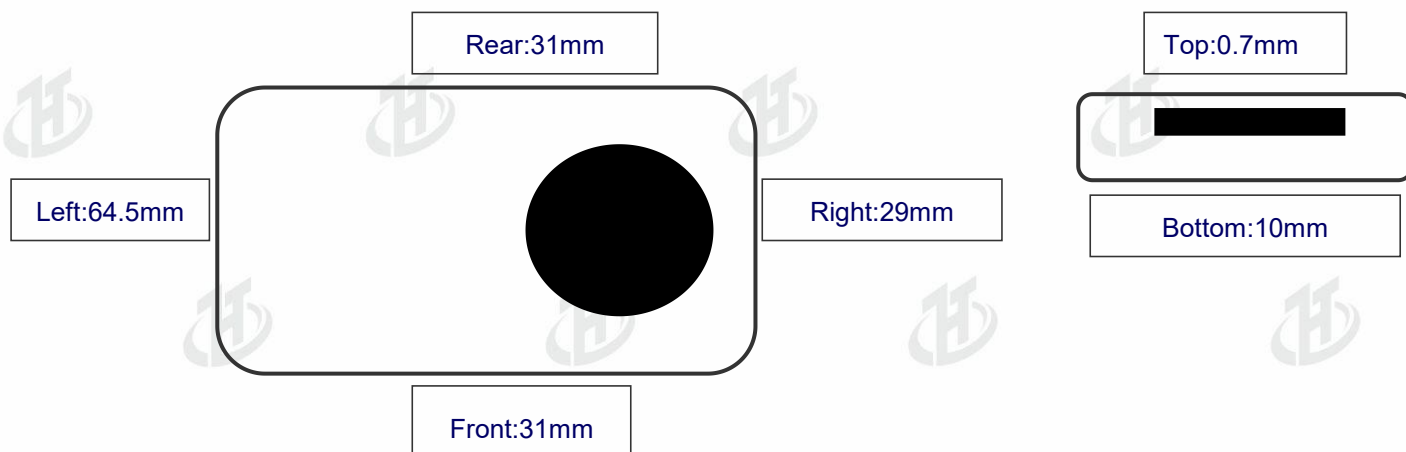
$$B = \frac{\mu_0 * I * N * R^2}{2 * (R^2 + x^2)^{3/2}}$$

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. $R=41.5/2=20.75\text{mm}=0.02075\text{m}$
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: $N=11$





2.9. TEST PHOTOS

