

RF EXPOSURE REPORT

Product Name: Multifunctional Travel Power Bank
FCC ID: 2BCQJ-H304
Trademark: N/A
Model Number: H304, H306
Prepared For: Dongguan Huachuangxin Electronics Co., Ltd
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Sample Received Date: Aug. 22, 2023
Sample tested Date: Aug. 22, 2023 to Aug. 30, 2023
Issue Date: Aug. 30, 2023
Report No.: CTB230830018RFX
Test Standards FCC CFR 47 part1, 1.1307(b), 1.1310, 47 CFR§2.1091; KDB 680106 D01 RF Exposure Wireless Charging App v03r01
Test Results PASS
Remark: This is wireless charger EMF report.

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Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

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1. GENERAL INFORMATION

1.1. Independent Operation Mode

The basic operation mode is:

1.1.1. wireless charger power: 15W

1.2. Test Supporting System

Adapter
Description : Adapter
Model No. : HP18A-0902000-AU
Power Input : AC100-240V~ 1.0A 50/60Hz
Output: 9V $\overline{\text{---}}$ 2.0A
DC Line : Unshielded, Detachable 1.2m

2.LIST OF TEST AND MEASUREMENT INSTRUMENTS

2.1. For conducted emission at the mains terminals test

Item	Equipment	Brand	Model No.	Frequency Range	Last calibration	Calibrated until
1	EMF TESTER	Wavecontrol	SMP160	19SN0989	2023.08.20	2024.08.19

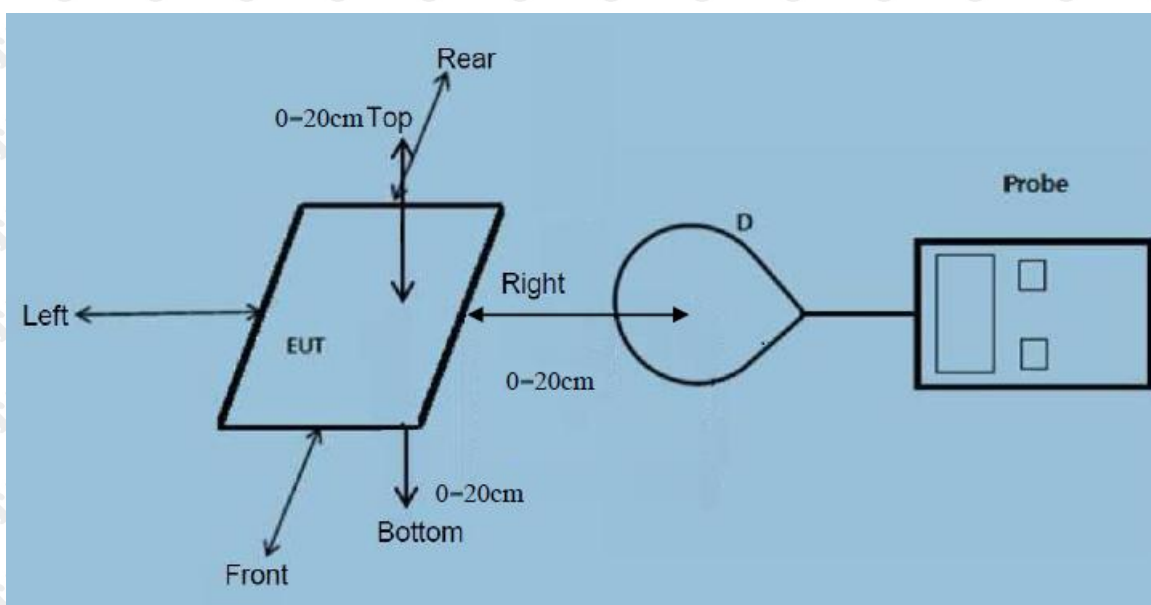
3. METHOD OF MEASUREMENT

3. 1.Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB680106 D01: RF Exposure Wireless Charging Apps v 03r01.

4. TEST RESULT

4.1. Conducted Emission at the Mains Terminals Test



Note: Measurements should be made from all sides of the primary/client pair, with the 20 cm-0cm measured from the center of the EUT.

Test Procedure:

- The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- 20 cm-0cm measured from the center of all the sides.
- The turn table was rotated 360d degree to search of highest strength.
- The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
- The EUT were measured according to the dictates of KDB 680106 D01 RF Exposure Wireless Charging App v03r01.

4.2. Equipment Approval Considerations:

The EUT does comply with item 5(b) of KDB 680106 V03R01

1) Power transfer frequency is less than 1MHz

Yes, the device operate in the frequency range from 110KHz to 205KHz

2) Output power from each primary coil is less than or equal to 15 watts.

Yes, the maximum output power of the primary coil is 15000mW.

3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that able to detect and allow coupling onlybetween individual pair of coils.

Yes, the transfer system includes only single primary and one coils.

4) Client device is inserted in or placed directly in contact with the transmitter.

Yes, client device is placed directly in contact with the transmitter.

5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

No,it is the portable.

6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Yes, the EUT field strength levels are less than 50% x MPE limit.

4.3. E and H field Strength

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

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.01	0.02	0.02	0.04	0.04	0.01	1.63

H-Filed Strength at 18 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.01	0.03	0.03	0.03	0.05	0.01	1.63

H-Filed Strength at 16 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.02	0.03	0.04	0.03	0.06	0.02	1.63

H-Filed Strength at 14 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.02	0.04	0.05	0.05	0.06	0.03	1.63

H-Filed Strength at 12 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.03	0.04	0.06	0.06	0.07	0.04	1.63

H-Filed Strength at 10 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.04	0.05	0.07	0.07	0.09	0.05	1.63

H-Filed Strength at 8 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.06	0.08	0.08	0.09	0.11	0.07	1.63

H-Filed Strength at 6 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.07	0.10	0.11	0.08	0.12	0.09	1.63

H-Filed Strength at 4 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.08	0.12	0.13	0.15	0.16	0.08	1.63

H-Filed Strength at 2 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.09	0.13	0.14	0.17	0.18	0.11	1.63

H-Filed Strength at 0 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	Limits (A/m)
0.110-0.205	0.11	0.14	0.17	0.20	0.21	0.14	1.63

Remark: All the mode were tested and pass, such as Full load, Half load and unload, only showed the worst mode "Full load" in this report.

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