RF EXPOSURE REPORT

Product Name:	Magnetic Wireless Charger
FCC ID:	2AYP6-YB12
Trademark:	N/A
Model Number:	YB12
Prepared For:	Shenzhen Banggu Technology Co., Ltd
Address:	11B, Unit 19, Chengshan Mountain, No. 339, Dongbin Road, Nanshan Street, Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Banggu Technology Co., Ltd
Address:	11B, Unit 19, Chengshan Mountain, No. 339, Dongbin Road, Nanshan Street, Nanshan District, Shenzhen, China
Prepared By:	Shenzhen CTB Testing Technology Co., Ltd.
Address:	Floor 1&2, Building A, No. 26 of Xinhe Road, Xinqiao Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong China
Sample Received Date:	Dec. 8, 2020
Sample tested Date:	Dec. 8, 2020 to Jan. 12, 2021
Issue Date:	Jan. 12, 2021
Report No.:	CTB201208030RFX
Test Standards	FCC CFR 47 part1, 1.1307(b), 1.1310 47 CFR§2.1091; 47 CFR§2.1093
Test Results	PASS
Remark:	This is wireless charger EMF report.

Compiled by:	Reviewed by:	Approved by:
Arron Liu	Bin Mei	Rita Xiao / Director

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Table of Contents **Page**

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. : HKA03612030-7B
Power Input : AC100-240V~ 1.0A 50/60Hz
Output: 5V⎓ 3A, 9V⎓ 3A
DC Line : Unshielded, Detachable 0.2m

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	Broadband Field Meter	NARDA	NBM-550	-	Nov. 02, 2020	Nov. 01, 2021
2	Magnetic Field Meter	NARDA	ELT-400	1 – 400kHz	Nov. 02, 2020	Nov. 01, 2021
3	Magnetic Probe	NARDA	HF-3061	300kHz – 30MHz	Nov. 02, 2020	Nov. 01, 2021
4	Magnetic Probe	NARDA	HF-0191	27 – 1000MHz	Nov. 02, 2020	Nov. 01, 2021
5	Broadband Field Meter	NARDA	NBM-550	-	Nov. 02, 2020	Nov. 01, 2021
6	Electric Field Meter	COMBINOVA	EFM 200	5Hz – 400kHz	Nov. 02, 2020	Nov. 01, 2021
7	E-Field Probe	NARDA	EF-0391	100kHz – 3GHz	Nov. 02, 2020	Nov. 01, 2021
8	E-Field Probe	NARDA	EF-6091	100MHz – 60GHz	Nov. 02, 2020	Nov. 01, 2021

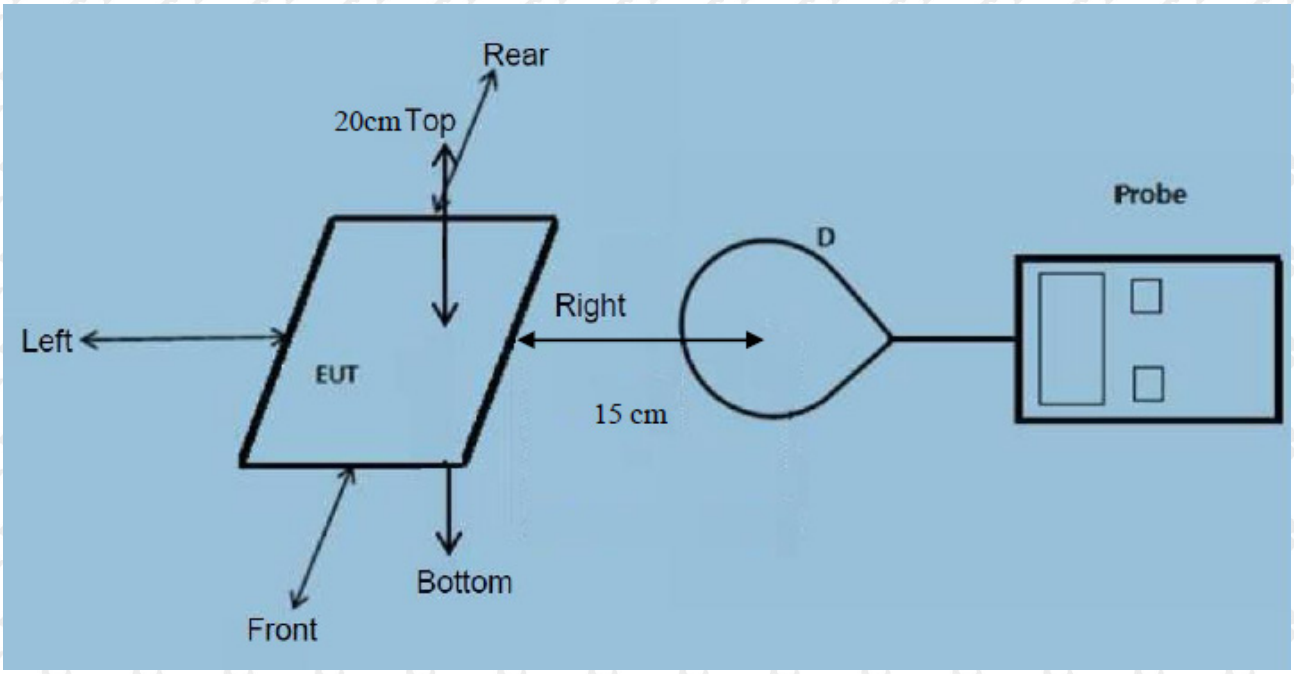
3. METHOD OF MEASUREMENT

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 §2.1093 RF exposure is calculated. According KDB680106 D01v03: RF Exposure Wireless Charging Apps v02.

4. TEST RESULT

4.1. Conducted Emission at the Mains Terminals Test



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device

Test Procedure:

a) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
b) The measurement probe was placed at test distance (15cm) which is between the edge of the charger and the geometric centre of probe.
c) The turn table was rotated 360d degree to search of highest strength.
d) The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
e) The EUT were measured according to the dictates of KDB 680106D01v03.

4.2. Equipment Approval Considerations:

The EUT does comply with item 5(b) of KDB 680106 D01v03

1) Power transfer frequency is less than 1MHz

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

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 secondary 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).

Yes, the EUT is a Mobile Wireless Charger

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 50% x MPE limit.

4.3. E and H field Strength

E-Field Strength at 15 cm surrounding the EUT and for above the top surface of the EUT，15cm and 20cm all have been tested, only worse case 15cm is reported.

battery level	Frequency Range (kHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Limits Test (V/m)
1%	125	8.02	7.43	7.58	8.12	7.94	614
50%	125	7.74	7.47	7.33	7.93	7.63	614
99%	125	7.66	7.54	7.24	7.86	7.48	614

H-Field Strength at 15 cm surrounding the EUT and for above the top surface of the EUT, 15cm and 20cm all have been tested, only worse case 15cm is reported.

battery level	Frequency Range (kHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Limits Test (A/m)
1%	125	0.19	0.20	0.21	0.23	0.25	1.63
50%	125	0.16	0.13	0.12	0.24	0.26	1.63
99%	125	0.07	0.12	0.06	0.16	0.28	1.63

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