



Shenzhen BANTEK Testing Co., Ltd.

Report No.: BTEK240109001AE002

Page: 1 of 9

FCC ID: 2BEYA-CBST0292

TEST REPORT

Application No.: BTEK240109001AE
Applicant: Bazhou Boruiya Furniture Co.,Ltd.
Address of Applicant: East of the Old Development Zone, Shengfang Town, Bazhou City
Manufacturer: Bazhou Boruiya Furniture Co.,Ltd.
Address of Manufacturer: East of the Old Development Zone, Shengfang Town, Bazhou City
Factory: Bazhou Boruiya Furniture Co.,Ltd.
Address of Factory: East of the Old Development Zone, Shengfang Town, Bazhou City
Equipment Under Test (EUT):
EUT Name: Wireless Charging Nightstand
Model No.: C-B-ST-0292
Trade Mark: NA
Standard(s) : 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2024-01-09
Date of Test: 2024-01-09 to 2024-01-25
Date of Issue: 2024-01-26

Test Result:	Pass*
---------------------	--------------

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

Damon Su

Damon Su
EMC Laboratory Manager

ShenZhen BANTEK Testing Co.,Ltd.

Add : A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street
Bao'an District, Shenzhen, Guangdong, China 518104

Tel : +(86)755-2334 4200 E-mail : Service@btek-lab.com Web : www.btek-lab.com





Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-01-26		Original

Authorized for issue by				
				
		Elma Yang /Project Engineer		
				
		Carl Yang /Reviewer		





2 Contents

	Page
1 Cover Page	1
2 Contents	3
3 General Information.....	4
3.1 Details of E.U.T.	4
3.2 Description of Support Units	4
3.3 Test Location.....	5
3.4 Deviation from Standards.....	5
3.5 Abnormalities from Standard Conditions	5
4 Test Requirement.....	6
4.1 Assessment Result	7
4.2 Test Set-up Photo	9



3 General Information

3.1 Details of E.U.T.

Power Supply	Input: AC 100-240V 50/60Hz from adapter; DC 12V 3A Output: 5W/7.5W/10W(5V 1A/7.5V 1A/ 9V 1.1A)
Modulation Type	FSK
Frequency Range	The frequency block is 110.0 KHz to 205.0KHz.
Antenna Type	Coil antenna
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
WPC charging load	EESON	2S	--



3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Tel:0755-2334 4200

Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB 680106 D01 Wireless Power Transfer v04

According to KDB 680106 D01:

Requirements of KDB 680106 D01	Description
WPT operating frequency (or frequencies).	The device operate in the frequency range 110KHz~205KHz
Number of radiating structure(Coil)	Three radiated Coil
Conducted power for each radiating structure.	Maximum 15W
§ 2.1091-Mobile or § 2.1093-Portable demonstrated scenarios of operation, including RF exposure compliance information	Mobile Device
Maximum distance from the WPT transmitter at which, by design, a load can be charged (including slow-charging operations)	Charing with the load directly contact

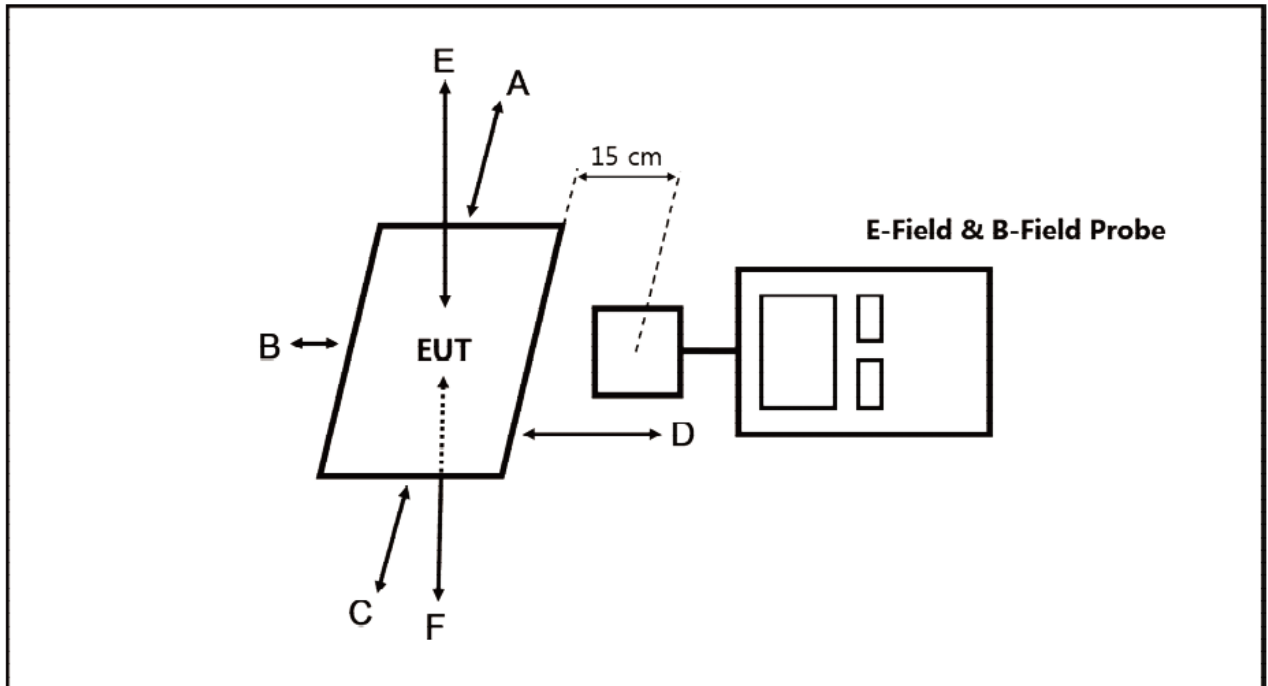
TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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 Exposure				
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
300-1,500			f/300	6
1,500-100,000			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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density



Test Setup



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

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (15cm) 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, F) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

4.1 Assessment Result

☒ Passed ☐ Not Applicable

Note: All test modes were pre-tested, but we only recorded the worst case in this report.

H-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT

Charging Battery Level	Unit	Frequency Range (MHz)	Measured E-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.152	0.1563	0.1523	0.1511	0.1515	0.1582	--	--
1%	A/m	0.152	0.1223	0.1275	0.1239	0.1265	0.1245	0.815	1.63
50%	uT	0.152	0.1369	0.1374	0.1391	0.1320	0.1307	--	--
50%	A/m	0.152	0.1038	0.1096	0.1053	0.1040	0.1042	0.815	1.63
99%	uT	0.152	0.1229	0.1205	0.1215	0.1260	0.1260	--	--
99%	A/m	0.152	0.0977	0.0993	0.0962	0.0995	0.0993	0.815	1.63

uT=1.25* A/m



E-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT

Charging Battery Level	Unit	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	V/m	0.152	45.2064	45.2100	45.2036	45.2033	45.2073	307	614
50%	V/m	0.152	39.5041	39.5014	39.5021	39.5076	39.5014	307	614
99%	V/m	0.152	37.8035	37.8087	37.8099	37.8001	37.8063	307	614

Note: V/m= A/m *377

H-Field Strength at 20cm from the top surface of the EUT

Charging Battery Level	Unit	Frequency Range (MHz)	Measured E-Field Strength Values (A/m)	FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position E		
1%	uT	0.152	0.1055	--	--
1%	A/m	0.152	0.1049	0.815	1.63
50%	uT	0.152	0.1023	--	--
50%	A/m	0.152	0.1035	0.815	1.63
99%	uT	0.152	0.1004	--	--
99%	A/m	0.152	0.1020	0.815	1.63

Note:A/m=uT/1.25

Note: All test modes were pre-tested, but we only recorded the worst case in this report.



4.2 Test Set-up Photo

Top 20cm



- End of the Report -

