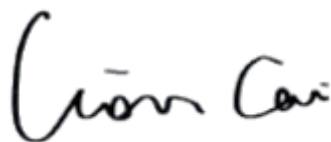


TEST REPORT

Application No.: BTEK241031001AE
Applicant: Guangdong Fenergy Technology Co., Ltd
Address of Applicant: Building 35, Zone 5, Huaide Cuigang Industrial Park, Fuyong Street, Bao 'an District, Shenzhen
Manufacturer: Guangdong Fenergy Technology Co., Ltd
Address of Manufacturer: Building 35, Zone 5, Huaide Cuigang Industrial Park, Fuyong Street, Bao 'an District, Shenzhen
Equipment Under Test (EUT):
EUT Name: Magnetic Wireless Device Charging Stand
Test Model.: AT2519
Adding Model(s): /
Trade Mark: Atomi
FCC ID: 2BDF9-AT2519
Standard(s) : 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
KDB 680106 D01
Date of Receipt: 2024-10-31
Date of Test: 2024-10-31 to 2024-11-05
Date of Issue: 2024-11-06

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

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



Lion Cai/ Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2024-11-06		Original

Authorized for issue by				
		Zora . Huang Zora Huang /Project Engineer		
		June Li June Li /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 EUT Test Mode	4
3.3 Description of Support Units	4
3.4 Test Location	5
3.5 Deviation from Standards	5
3.6 Abnormalities from Standard Conditions	5
4 Test Requirement	6
4.1 Equipment List	7
4.2 Assessment Result	8
4.3 Test Set-up Photo	10



3 General Information

3.1 Details of E.U.T.

Power Supply	Input:DC12V 2.5A USB-C/USB Output:DC5V 1A Wireless Charging for Qi2-compatible Phones: 15W Wireless Charging for Earphones:3W Wireless Charging for Watch: 3W Total Output:25W max.
Modulation Type	FSK
Operating frequency	AirPods Wireless Charging:112-205KHz iPhone Wireless Charging:112-205KHz Apple Watch Wireless Charging: 328KHz
Antenna Type	Induction Coil Antenna
Hardware Version	M2405P_IP6808_V1.5, M2405P-MPP2.0-V1.4
Software Version	IP6808_UA_BPP13_XI4RA_XI4TL_V2_0 CWM-2032Q_ID:22752 :0xC0ED958B
Sample number	BTEK241031001AE-01
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 EUT Test Mode

Test Mode	Description	Remark
1	Wireless output for iPhone:15W Wireless output for AirPods: 3W Wireless output for Apple Watch: 3W Load 1%	Keep the EUT Wireless output for iPhone:15W Wireless output for AirPods: 3W Wireless output for Apple Watch: 3W Load 1%
2	Wireless output for iPhone:15W Wireless output for AirPods: 3W Wireless output for Apple Watch: 3W Load 50%	Keep the EUT Wireless output for iPhone:15W Wireless output for AirPods: 3W Wireless output for Apple Watch: 3W Load 50%
3	Wireless output for iPhone:15W Wireless output for AirPods: 3W Wireless output for Apple Watch: 3W Load 99%	Keep the EUT Wireless output for iPhone:15W Wireless output for AirPods: 3W Wireless output for Apple Watch: 3W Load 99%

3.3 Description of Support Units

Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
WPC charging load	EESON	2S	/



3.4 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtuo 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.

3.5 Deviation from Standards

None

3.6 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
1.Power transfer frequency is less than 1 MHz	112kHz-205kHz 328KHz
2. Output power from each primary coil is less than or equal to 15 watts	Maximum 15W
3. The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	Three radiated Coil
4. Client device is placed directly in contact with the transmitter.	Yes. The client device is placed directly in contact with the transmitter.
5.Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)	Mobile device
6. The aggregate H-field strengths anywhere at or beyond 20 cm surrounding the device, and 20cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.	Yes, The H-field strengths anywhere at or beyond 20 cm surrounding the device

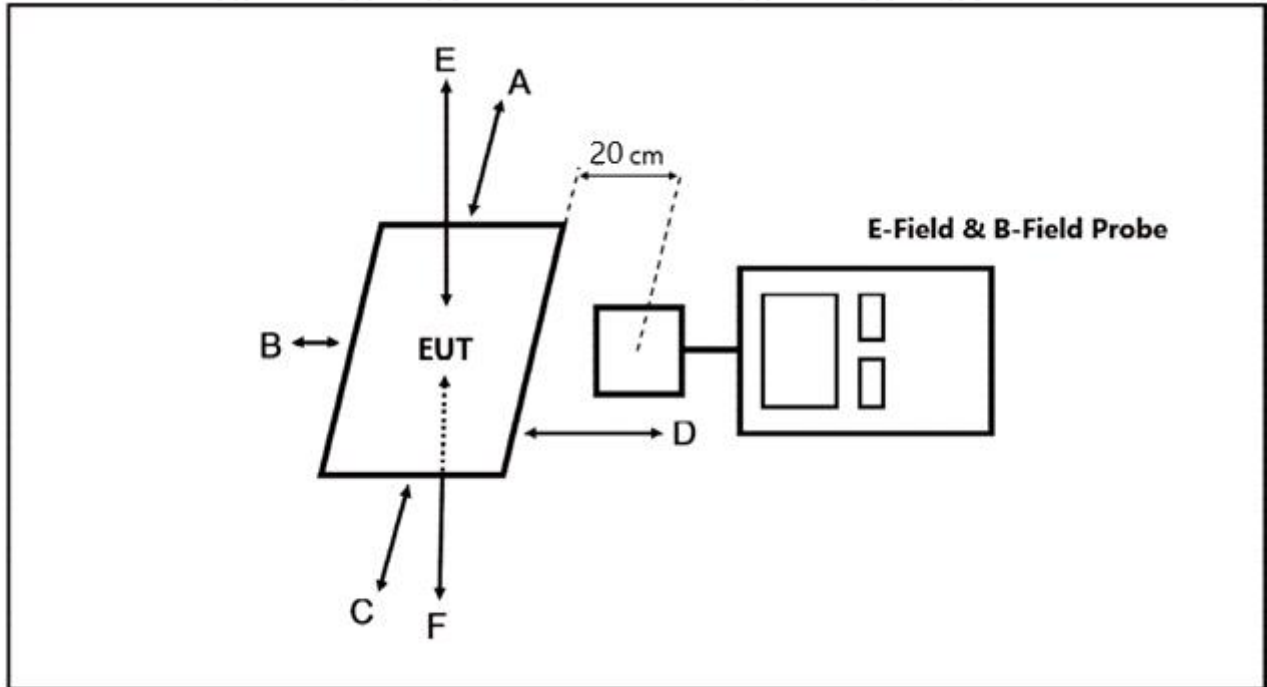
TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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 20cm 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 (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, F) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

4.1 Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Exposure Level Tester	Narda	ELT-400	N-0219	2024-06-10	2025-06-09
B-Field Probe	Narda	100cm ²	M-0753	2024-06-10	2025-06-09



4.2 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 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT
Frequency Range (MHz): 112-205KHz

Charging Battery Level	Unit	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	0.1714	0.1493	0.1597	0.1424	0.1578	--	--
1%	A/m	0.1371	0.1194	0.1277	0.1139	0.1262	0.815	1.63
50%	uT	0.1371	0.1428	0.1179	0.1356	0.1298	--	--
50%	A/m	0.1096	0.1142	0.0943	0.1085	0.1039	0.815	1.63
99%	uT	0.1091	0.1175	0.1115	0.1200	0.1297	--	--
99%	A/m	0.0873	0.0940	0.0892	0.0960	0.1038	0.815	1.63

$\mu T = 1.25 \times A/m$

Frequency Range (MHz): 328KHz

Charging Battery Level	Unit	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	0.1570	0.1503	0.1624	0.1549	0.1689	--	--
1%	A/m	0.1256	0.1202	0.1299	0.1239	0.1351	0.815	1.63
50%	uT	0.1242	0.1323	0.1342	0.1456	0.1386	--	--
50%	A/m	0.0993	0.1058	0.1073	0.1165	0.1109	0.815	1.63
99%	uT	0.1133	0.1181	0.1160	0.1193	0.1163	--	--
99%	A/m	0.0906	0.0945	0.0928	0.0955	0.0930	0.815	1.63

$\mu T = 1.25 \times A/m$

E-Field Strength at 20cm from the edges surrounding the EUT and 20cm from the top surface of the EUT
Frequency Range(MHz): 112-205KHz

Chargin g Battery Level	Unit	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	51.6872	45.0283	48.1571	42.9340	47.5862	307	614
50%	V/m	41.3371	43.0600	35.5591	40.8925	39.1565	307	614
99%	V/m	32.8957	35.4479	33.6301	36.1939	39.1258	307	614

Note: $V/m = A/m \times 377$



Frequency Range(MHz): 328KHz

Chargin g Battery Level	Unit	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	47.3394	45.3287	48.9881	46.7145	50.9513	307	614
50%	V/m	37.4470	39.9039	40.4640	43.9118	41.7915	307	614
99%	V/m	34.1747	35.6317	34.9789	35.9858	35.0688	307	614

Note: V/m= A/m *377

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

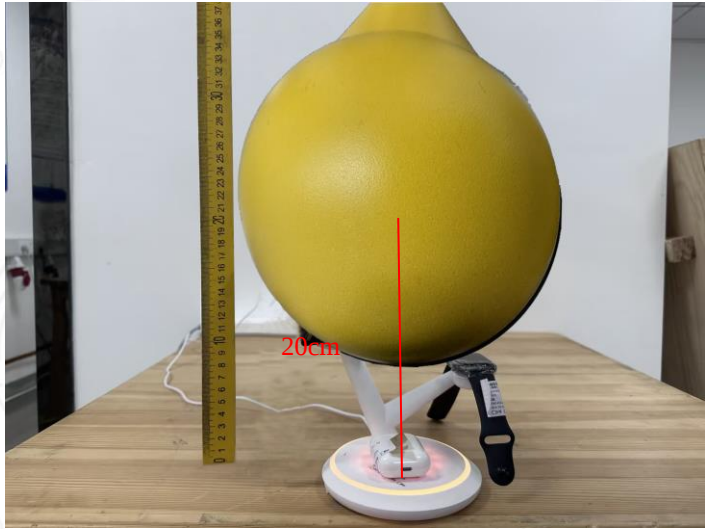
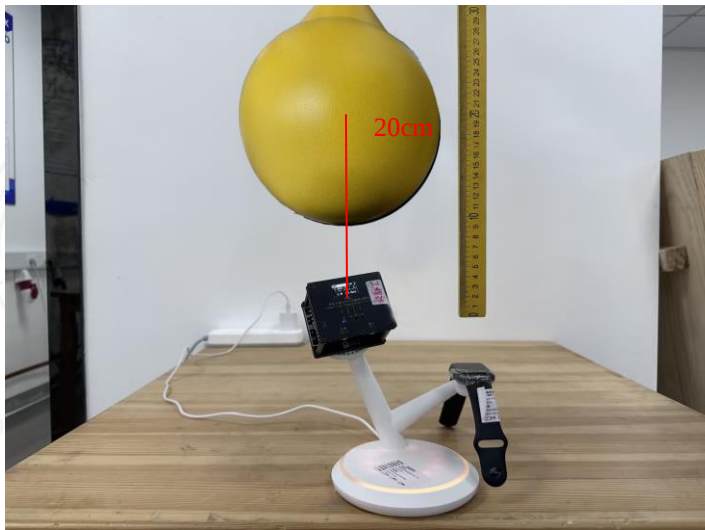
Charging Battery Level	Unit	Measured E-Field Strength Values (A/m)	FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position E		
1%	uT	0.1354	--	--
1%	A/m	0.1084	0.815	1.63
50%	uT	0.1333	--	--
50%	A/m	0.1066	0.815	1.63
99%	uT	0.1330	--	--
99%	A/m	0.1064	0.815	1.63

Note:A/m=uT/1.25

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



4.3 Test Set-up Photo

20cm Remark(Probe center to the EUT side is 20cm)	
Wireless output for AirPods	
A	
Wireless output for iPhone	
A	
Wireless output for Apple Watch	
A	

- End of the Report -

