

TEST REPORT

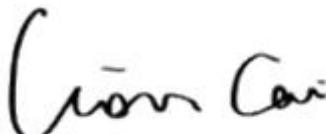
Application No.: BTEK240606006AE
Applicant: Shenzhen GOLF&Feihuang Technology Co.,Ltd.
Address of Applicant: BUILDING 1 (SHATOU SECTION), HAOSI WEST INDUSTRY PARK, SHAJING, BAO'AN, SHENZHEN, CHINA
Manufacturer: Shenzhen GOLF&Feihuang Technology Co.,Ltd.
Address of Manufacturer: BUILDING 1 (SHATOU SECTION), HAOSI WEST INDUSTRY PARK, SHAJING, BAO'AN, SHENZHEN, CHINA

Equipment Under Test (EUT):

EUT Name: Magsafe Wireless charger
Test Model.: MAGSAFE15
Adding Model(s): WQ15
Trade Mark: Q
FCC ID: 2BG95-WQ15
Standard(s) : 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2024-06-13
Date of Test: 2024-06-13 to 2024-06-24
Date of Issue: 2024-07-17

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



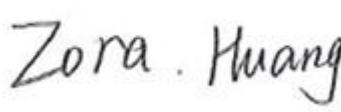
Lion Cai/ Approved & Authorized
EMC Laboratory Manager



Revision Record

Version	Chapter	Date	Modifier	Remark
V0		2024-06-25		Original
V0		2024-07-17		1. Updated page 4, 5, 6, 7

Authorized for issue by:

		 _____ Zora Huang/Project Engineer	
		 _____ June Li /Reviewer	



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3 General Information

3.1 Details of E.U.T.

Power Supply	Input: DC 5V/2A, 9V/2A, 12V/1.5A Output: 5W/7.5W/10W/15W
ModulationType	FSK
Operatingfrequency	112kHz-205kHz
AntennaType	Coil antenna
HardwareVersion	V1.0
SoftwareVersion	V1.0
Samplenumber	BTEK240606005AE-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 List		
Test Mode	Description	Remark
01	Full load	Adapter charge with 12V/1.5A+output with Wireless Charger 15W
02	Half load	Adapter charge with 5V/2A+output with Wireless Charger 10W
03	No load	KEET the EUT standby

Remark: 1. Adapter charge with 12V/1.5A+output with Wireless Charger 15W was worse case mode. Only show the worst case in the test report

3.3 Description of Support Units

Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
WPC charging load	EESON	2S	/
Adapter	FUSHIGANG	AS1201A0502000USU	/

3.4 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.

3.5 Deviation from Standards

None

3.6 Abnormalities from Standard Conditions

None

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



4 Test Requirement

KDB 680106 D01 Wireless Power Transfer v04

According to KDB 680106 D01:

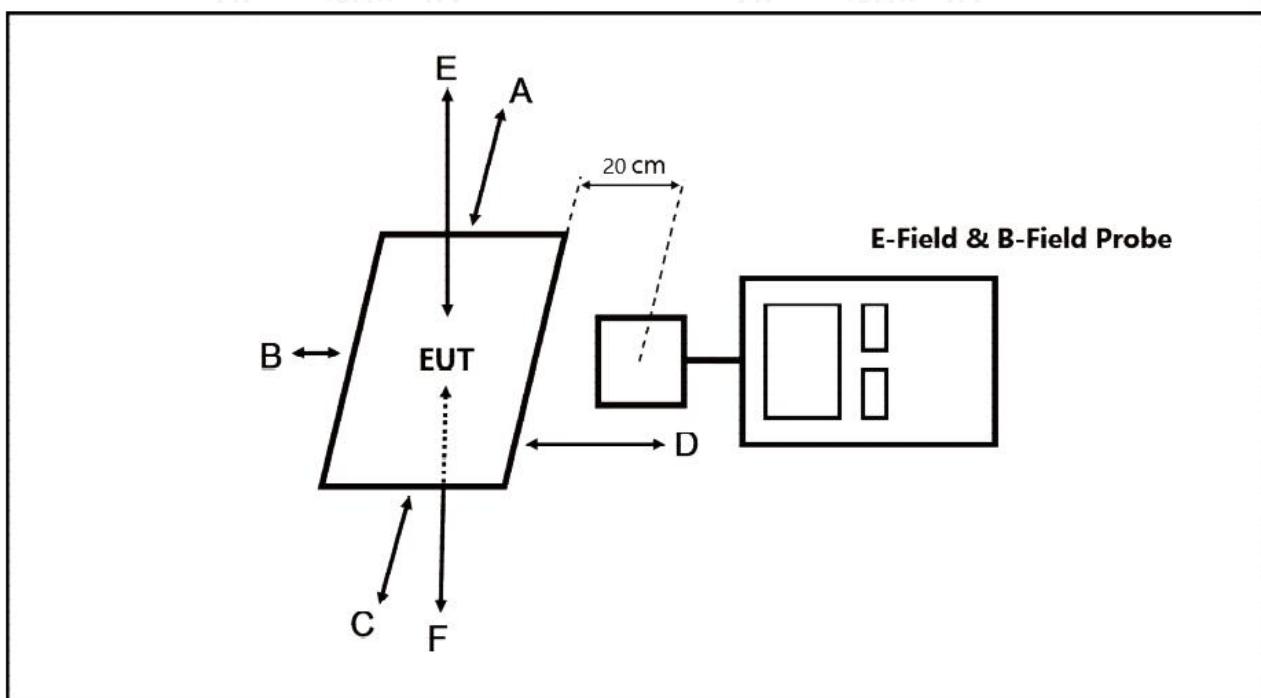
Requirements of KDB 680106 D01	Description
1.Power transfer frequency is less than 1 MHz	112kHz-205kHz
2. Output power from each primary coil is less than or equal to 15 watts	Maximum 15W
3. The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	One 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





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): 122 KHz

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	0.1614	0.1520	0.1535	0.1513	0.1529	--	--
1%	A/m	0.1291	0.1216	0.1228	0.121	0.1223	0.815	1.63
50%	uT	0.1295	0.1253	0.1279	0.1294	0.1326	--	--
50%	A/m	0.1036	0.1002	0.1023	0.1035	0.1061	0.815	1.63
99%	uT	0.1158	0.1171	0.1156	0.1158	0.1241	--	--
99%	A/m	0.0926	0.0937	0.0925	0.0926	0.0993	0.815	1.63

uT=1.25* A/m

E-Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT
Frequency Range(MHz): 122 KHz

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	48.6707	45.8432	46.2956	45.6170	46.1071	307	614
50%	V/m	39.0572	37.7754	38.5671	39.0195	39.9997	307	614
99%	V/m	34.9102	35.3249	34.8725	34.9102	37.4361	307	614

Note: V/m= A/m *377

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

Frequency Range(MHz): 122 KHz

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	Test Position E		
1%	uT	0.1708	0.1708	--	--
1%	A/m	0.1366	0.1366	0.815	1.63
50%	uT	0.3683	0.3683	--	--
50%	A/m	0.2946	0.2946	0.815	1.63
99%	uT	0.1274	0.1274	--	--
99%	A/m	0.1019	0.1019	0.815	1.63

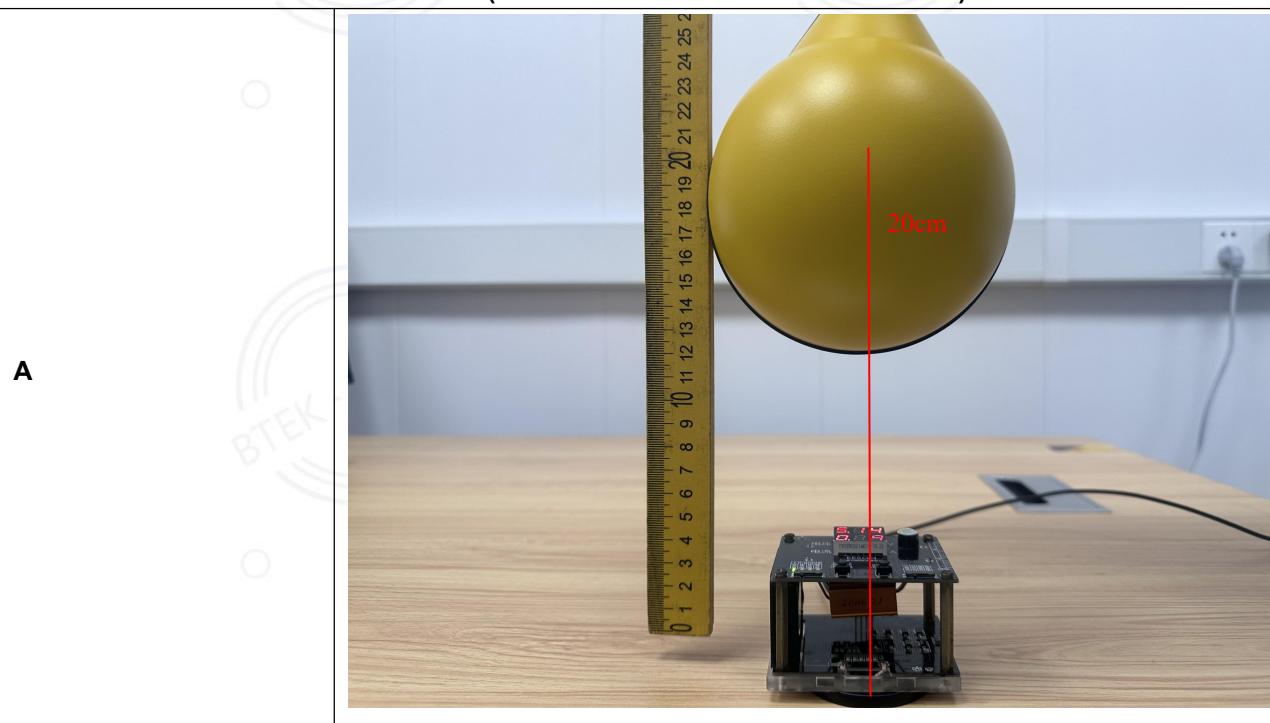
Note:A/m=uT/1.25

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)



- End of the Report -

