

TEST REPORT

Application No.: BTEK260518011A03E01
Applicant: TennRich International Corp.
Address of Applicant: 1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan City, Taiwan 338
Manufacturer: Hetai Electronics (Jiangxi) Co., Ltd.
Address of Manufacturer: Building 3, Binjiang Road, Songshan Piece, District 2, Quannan County Industrial Park, Ganzhou City, Jiangxi Province
Equipment Under Test (EUT):
EUT Name: Power Bank
Test Model.: QM5040PQ
Adding Model(s): /
Trade Mark: Energizer
FCC ID: 2AU4P-QM5040PQ
Standard(s) : 47 CFR PART 1, Subpart I, Section 1.1310
47 CFR PART 2, Subpart J, Section 2.1093
Date of Receipt Sample(s): 2026-07-20
Date of Test: 2026-07-20 to 2026-07-27
Date of Issue: 2026-07-27

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

Alex Wang

Alex Wang/ Approved & Authorized
EMC Laboratory Manager



Revision Record			
Version	Issue Date	Revisions	Remarks
V0	2026-07-27	Initial	Valid

Authorized for issue by:			
		Karl Liu	
		Karl Liu / File Editor	
		June Li	
		June Li /Reviewer	

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



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3 General Information

3.1 Details of E.U.T.

Power Supply	Battery Capacity:3.85V= 5000mAh /19.25Wh(Max.) Rated Capacity:5V= 3000mAh Rated Input:USB-C PD 5V= 3A,9V= 2A Rated Output:USB-C PD 5V= 3A,9V= 2.22A,12V= 1.67A 20W(Max.) Wireless Output:5W/7.5W/10W/15W Total Output:15W(Max.)
Modulation Type	FSK
Operating frequency	Wireless Charging:112-205KHz
Antenna Type	Induction Coil Antenna
Hardware Version	V1.0
Software Version	V1.0
Sample number	BTEK260518011-005
Model(s) Difference Statement	☒ Single Model. ☐ Multi-Models:

3.2 Description of EUT Test Mode

Test Mode List		
Test Mode	Description	Remark
01	Wireless output:15W Load 1%	Keep the EUT Wireless output:15W
02	Wireless output:15W Load 50%	
03	Wireless output:15W Load 99%	
Remark:1.Only show the Test Mode 03 worst case in the test report		

3.3 Description of Support Units

Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Adapter	HUAWEI	HW-100400C00	/
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

3.7 Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Magnetic Amplitude and Gradient Probe System	Schmid & Partner Engineering AG	MAGPy-8H3D+E3D	3096	2025/3/12	2027/3/11
Magnetic Amplitude and Gradient Probe System	Schmid & Partner Engineering AG	MAGPy-DAS	3093	2025/3/12	2027/3/11

3.8 Test Software

Software name	Manufacturer	Model	Version
MAGPy V2.0	Schmid & Partner Engineering AG	MAGPy V2.0	V2.0



4 RF Exposure Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

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 Exposures				
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
300–1500			f/300	6
1500–100,000			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
300–1500			f/1500	30
1500–100,000			1.0	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v04

Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: The aggregate H-field strengths 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit .

4.1.2 Test Procedure

- The RF exposure test was performed in anechoic chamber.
- Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm.
- The highest emission level was recorded and compared with limit.
- The EUT was measured according to the dictates of TCB

Workshop "41-Part-18-&Wireless-Power-Transfer - April 27,2022"



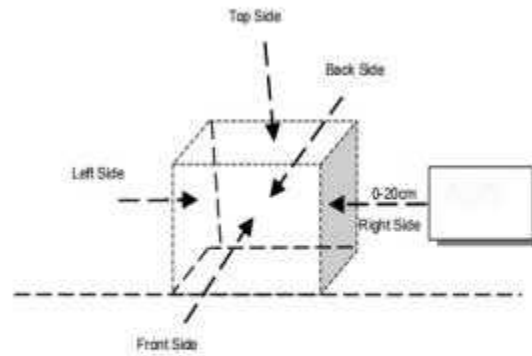
KDB 680106 D01 Wireless Power Transfer v04

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)	No. The EUT is a portable wireless power bank.
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 measurements for each edge/top surface of the host/client pair at every 2cm, starting from as close as possible out to 20cmwerealsoevaluated for portable use condition.



4.1.3 Test Setup



Note: Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm

4.1.4 Test Results

For portable exposure condition:

Operating modes with client device (1 %, 50%, 99% battery status of client device) have been test, only show the data of worst case of 99% battery status of client device.

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each edge/top surface of the host/client pair were also evaluated for portable use conditions. The report reflects data for the worst 0 cm test distance mode only.

Test condition 1: Mode 03 operating mode with client device (99% battery status of client device) -test distance: 0cm



Test Mode: Mode 01

H-field strength test result:

test distance: 0cm

Measurement results directly tested using MAGPy.

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<99%	Top	0	19.5	0.66
<99%	Left	0	12.25	0.77
<99%	Right	0	14.36	0.44
<99%	Front	0	43.16	0.28
<99%	Back	0	41.18	0.09
<99%	Bottom	0	60.82	-0.04
Limit			307	0.815
test result			PASS	PASS

When setting MAGPy to select compliance location as probe tip, the measured value is extrapolated to 0mm as the result.

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<99%	Top	0	23.7	-0.01
<99%	Left	0	16.04	0.71
<99%	Right	0	15.9	0.45
<99%	Front	0	52.23	-0.04
<99%	Back	0	47.79	0.47
<99%	Bottom	0	54.73	0.3
Limit			307	0.815
test result			PASS	PASS



4.2 Test Set-up Photo

0cm Remark(Probe center to the EUT side is 0cm)

A

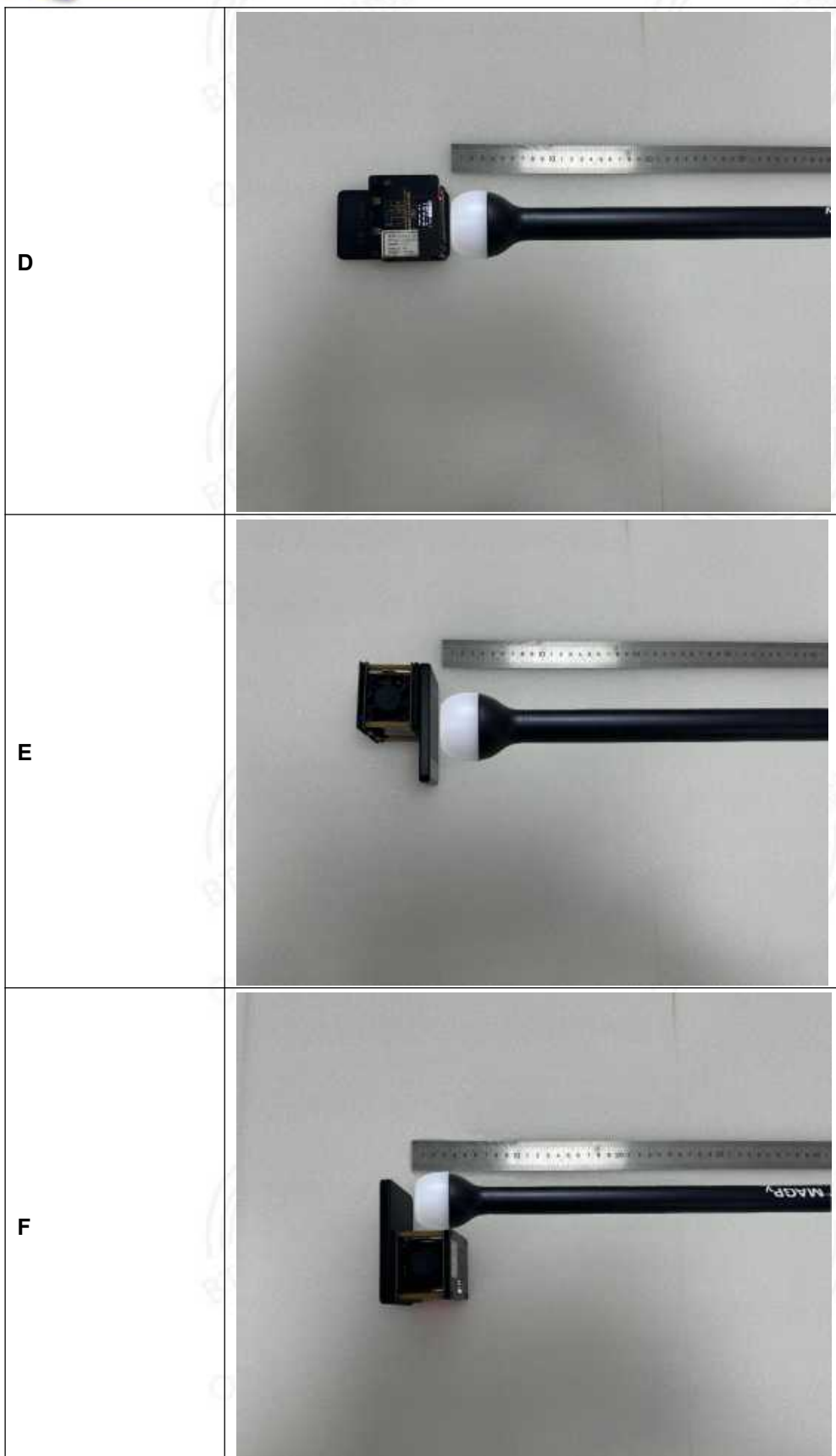


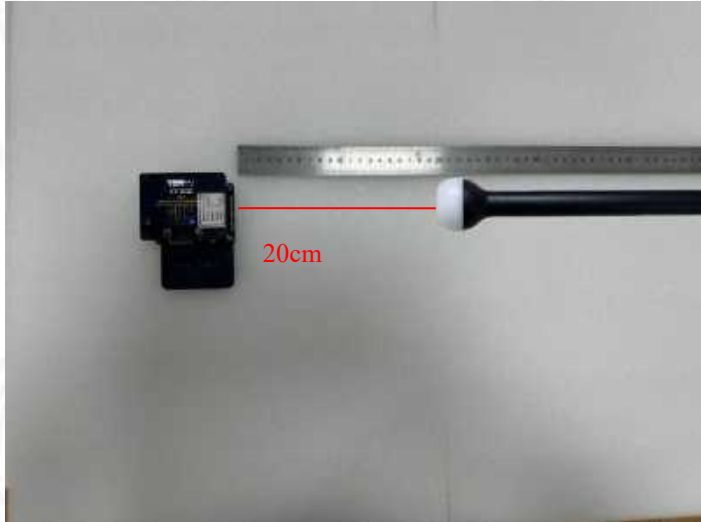
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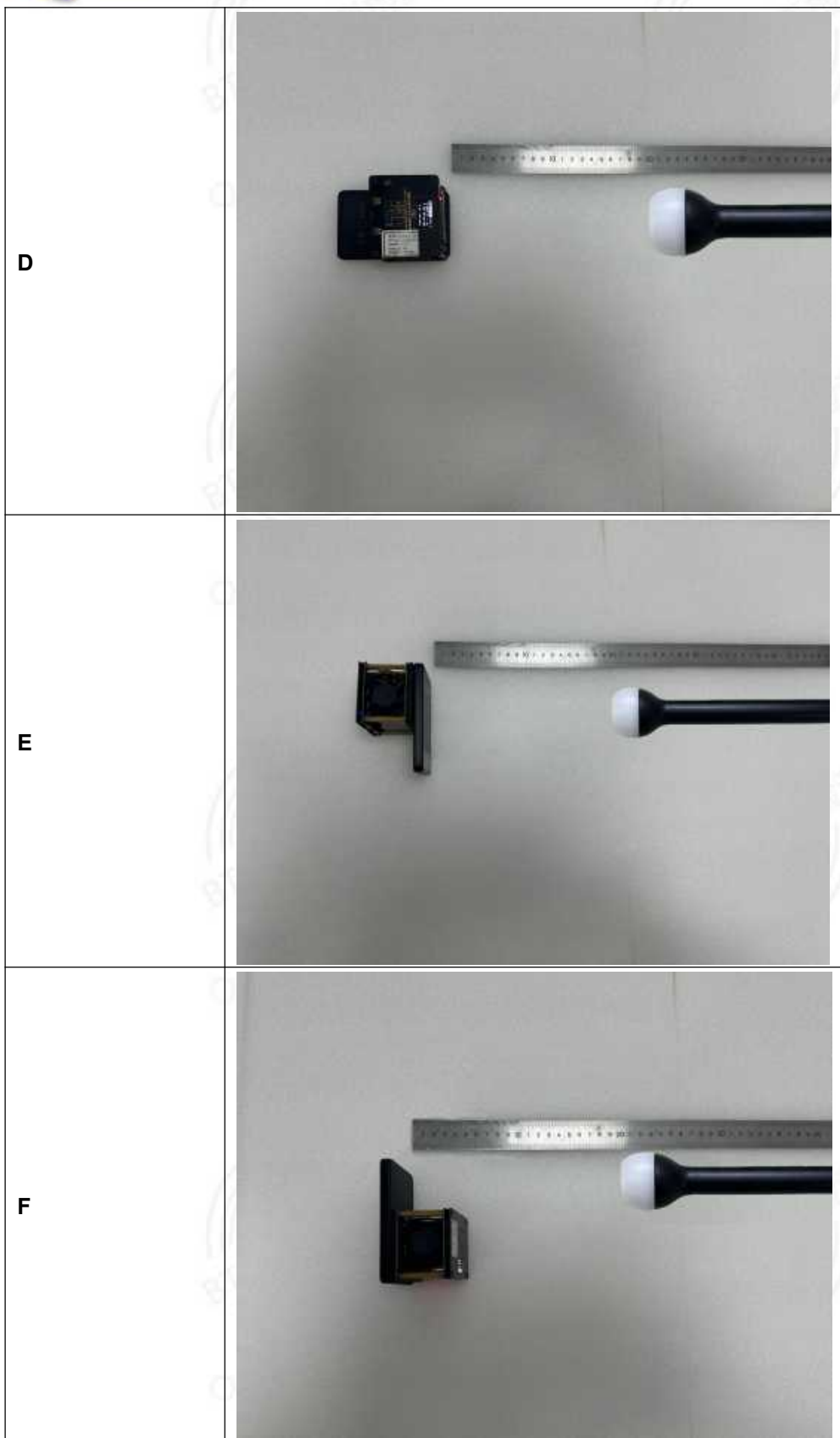
C





20cm Remark(Probe center to the EUT side is20cm)	
A	
B	
C	





- End of the Report -

