

MPE Test Report

FCC ID: 2AU4P-QM5004PQR

Report No. : SSP26080395-2

Applicant : TennRich International Corp.

Product Name : WIRELESS CHARGING POWER BANK

Model Name : QM5004PQ

Test Standard : FCC CFR 47 PART 1, 1.1310

Date of Issue : 22026-09-14

Shenzhen CCUT Quality Technology Co., Ltd.

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen,
Guangdong, China; (Tel.:+86-755-23406590 website: www.zrklab.com)

This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant:	TennRich International Corp. 1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan City, Address of Applicant.....:	Taiwan 338 China.
Manufacturer:	Recharge Intelligent Technology (Ji'an) Co., Ltd. 1st Floor, No. 14 Green Industrial Park, East District Of High Tech Zone, Address of Manufacturer.....:	Suichuan County, Ji An, Jiangxi, 343900, China
Product Name:	WIRELESS CHARGING POWER BANK	
Brand Name:	Energizer	
Main Model:	QM5004PQ	
Series Models:	N/A	
Test Standard:	FCC CFR 47 PART 1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04	
Date of Test	2026-08- 28 to 2026-09-07	
Test Result:	PASS	
Tested By	<u>Colin Chen</u> (Colin Chen)	
Reviewed By:	<u>Lorzix Luo</u> (Lorzix Luo)	
Authorized Signatory:	<u>Lahm Peng</u> (Lahm Peng)	
Note : This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.. All test data presented in this test report is only applicable to presented test sample.		

CONTENTS

1. General Information.....	5
1.1 Product Information	5
1.2 Test Setup Information.....	6
1.3 Test Facilities.....	7
1.4 List of Measurement Instruments	7
1.5 Measurement Uncertainty	7
2. RF Exposure.....	8
2.1 Standard and Limit.....	8
2.2 Test Procedures	8
2.3 Test Setup Block Diagram.....	9
2.4 Test Data and Results	10
Annex A. Test Photos.....	12

Revision History

Revision	Issue Date	Description	Revised By
V1.0	2026-09-14	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	WIRELESS CHARGING POWER BANK
Trade Name:	Energizer
Test Model:	QM5004PQ
Series Models:	N/A
Rated Voltage:	Type-C Input: DC 5V/3A, 9V/2A, 12V/1.5A Type-C Output: DC 5V/3A, 9V/2.22A, 12V/1.67A 20W (Max) USB Output: DC 5V/3A, 9V/2A, 12V/1.5A 18W (Max) Wireless Output: 5W/7.5W/10W/15W
Battery:	18Wh (5000mAh, 3.6V)
Test Sample No:	SSP26080395-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer.	

Wireless Specification	
Wireless Standard:	WPC (Qi)
Operating Frequency:	Wireless charging Output(Phone):110.5kHz-205kHz,
Modulation:	ASK
Antenna Gain:	0dBi
Type of Antenna:	Coil Antenna
Type of Device:	☒ Portable Device ☐ Mobile Device ☐ Modular Device

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description		Remark
TM1	Wireless charging 5W		-
TM2	Wireless charging 7.5W		-
TM3	Wireless charging 10W		-
TM4	Wireless charging 15W		-
TM5	Wireless charging 5W+Charging		-
Note: All modes of the main model and accessory models mentioned above have been tested. The report only shows the worst modes of the main model: TM4 data.			
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
USB	100cm	Unshielded	Without Ferrite
-	-	-	-
List and Details of Auxiliary Equipment			
Equipment	Model	Serial No.	Manufacturer
Adapter	UGREEN	CD289	-
Mobile phone	iPhone 16	HYG6PQMWK	Apple

1.3 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6983.01
FCC Registration No:	583813
ISED Registration No.:	CN0164

1.4 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Electromagnetic radiation tester	WAVECONTROL	SMP3	23SL0158	2026-07-24	2027-07-23
Electromagnetic field probe	WAVECONTROL	WP400-3	24WP240067	2026-07-24	2027-07-23
Test Software	WAVECONTROL	SMP	N/A	N/A	N/A

Probe radius: 1.65CM

1.5 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
E-field	10Hz ~ 100kHz	± 2.6%
	100kHz ~ 400kHz	± 4.9%
H-field	10Hz ~ 3kHz	± 2.5%
	3kHz ~ 10kHz	± 2.6%
	10kHz ~ 100kHz	± 4.3%
	100kHz ~ 400kHz	± 5.0%

2. RF Exposure

2.1 Standard and Limit

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

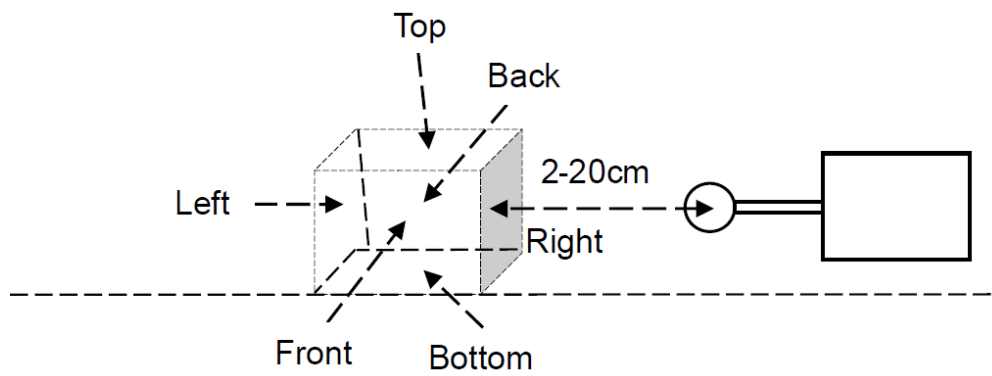
f = frequency in MHz

2.2 Test Procedures

The EUT was measured according to the KDB 680106 D01v04.

- 1) The RF exposure test was performed in an anechoic chamber.
- 2) The measurement probe was placed at test distance(2~20cm) which is between the edge of the wireless charger and the geometric center of probe for portable exposure, and the measurement probe was placed at test distance(20~24cm) which is between the edge of the wireless charger and the geometric center of probe for mobile exposure.
- 3) Choose the worst mode among battery with zero/partial/full charge, then perform measurement.
- 4) The highest emission level was recorded and all sides (A, B, C, D, E, F) were completed.
- 5) Calculate the final E/H-field strength.

2.3 Test Setup Block Diagram



Note: Front side = A, Right side = B, Back side = C, Left side = D, Top side = E, Bottom side = F.

2.4 Test Data and Results

For portable exposure conditions:

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

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each side of the device were also evaluated for portable exposure use condition.

Test Mode: TM4(the worst mode)

Transmitter Battery Level: 99%

Test Distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.843	0.997	1.191	1.100	0.746	1.221
4	0.578	0.697	0.822	0.789	0.521	0.866
6	0.462	0.550	0.652	0.622	0.408	0.711
8	0.360	0.429	0.509	0.471	0.318	0.545
10	0.259	0.309	0.366	0.339	0.229	0.392
12	0.195	0.232	0.275	0.254	0.172	0.294
14	0.126	0.150	0.179	0.165	0.112	0.191
16	0.081	0.096	0.114	0.106	0.072	0.122
18	0.054	0.065	0.077	0.071	0.048	0.082
20	0.035	0.041	0.049	0.045	0.031	0.052

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.674	0.798	0.953	0.880	0.597	0.977	1.63
4	0.462	0.558	0.658	0.631	0.417	0.693	1.63
6	0.370	0.440	0.522	0.498	0.326	0.569	1.63
8	0.288	0.343	0.407	0.377	0.254	0.436	1.63
10	0.207	0.247	0.293	0.271	0.183	0.314	1.63
12	0.156	0.186	0.220	0.203	0.138	0.235	1.63
14	0.101	0.120	0.143	0.132	0.090	0.153	1.63
16	0.065	0.077	0.091	0.085	0.058	0.098	1.63
18	0.043	0.052	0.062	0.057	0.038	0.066	1.63
20	0.028	0.033	0.039	0.036	0.025	0.042	1.63

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 2 cm and 4 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 2cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.674	0.798	0.953	0.880	0.597	0.977
Measure Value (A/m)	0.673	0.796	0.951	0.878	0.596	0.976
Agreement Ratio (%)	0.15%	0.25%	0.21%	0.23%	0.17%	0.10%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.462	0.558	0.658	0.631	0.417	0.693
Measure Value (A/m)	0.460	0.557	0.657	0.630	0.416	0.691
Agreement Ratio (%)	0.43%	0.18%	0.15%	0.16%	0.24%	0.29%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	1.02	1.13	1.40	1.33	0.84	1.60	1.63
Test Results: PASS							

Annex A. Test Photos

Distance: 2cm



******* END OF REPORT *******