

TEST REPORT

Report No.: BCTC2507867509-2E

Applicant: TennRich International Corp.

Product Name: MAGNETIC WIRELESS POWER BANK

Test Model: QM10010PQ

Tested Date: 2025-07-15 to 2025-07-25

Issued Date: 2025-08-04

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2AU4P-QM10010PQ

Product Name: MAGNETIC WIRELESS POWER BANK

Trademark: Energizer

Model/Type reference: QM10010PQ

Prepared For: TennRich International Corp.

Address: 1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan, Taiwan
338, China

Manufacturer: Shenzhen FenJun New Energy Co., Ltd

Address: 7th Floor, Building A2, Xinghuaxiong Technology Park, Baihua Community,
Guangming Street, Guangming New District, Shenzhen

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road,
Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2025-07-15

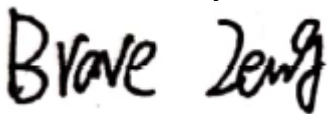
Sample tested Date: 2025-07-15 to 2025-07-25

Report No.: BCTC2507867509-2E

Test Standards: FCC CFR 47 part1, 1.1307(b), 1.1310
KDB 680106 D01 Wireless Power Transfer v04

Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2507867509-2E	2025-08-04	Original	Valid

2. Product Information

2.1 Product Information

Model/Type reference:	QM10010PQ
Model differences:	N/A
Operation Frequency:	112-205KHz 300-350KHz
Type of Modulation:	ASK
Antenna installation:	loop coil antenna
	Input: USB-C PD DC 5V/3A, 9V/2A,12V/1.5A USB-C Cable1 PD DC 5V/3A, 9V/2A, 12V/1.5A
	Output: USB-C PD DC 5V/3A,9V/2.22A,10V/2.25A,12V/1.67A USB-C Cable 1 PD DC 5V/3A,9V/2.22A,10V/2.25A,12V/1.67A USB-C Cable 2 DC 5V/2A Wireless Output: 2W,5W,7.5W,10W,15W Total Output: 22.5W (Max.)
Ratings:	
Battery:	DC 3.85V,10000mAh,38.5Wh(Max.)

Cable of Product

No.	Cable Type	Quantity	Provider	Length (m)	Shielded	Note
1	---	1	---	1	---	---
2	--	--	---	---	---	---

2.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	MAGNETIC WIRELESS POWER BANK	Energizer	QM10010PQ	N/A	EUT
E-2	Adapter	---	N/A	---	Auxiliary
E-3	Dummy load	N/A	N/A	N/A	Auxiliary

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

2.3 Test Mode

Test Mode 1	Wireless Charging (Full load)15W
Test Mode 2	Wireless Charging (Full load)2W
Test Mode 3	Wireless Charging (Half load)
Test Mode 4	Wireless Charging (Null load)

3. Test Facility And Test Instrument Used

3.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

ISED CAB identifier: CN0017

3.2 Test Instrument Used

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Electromagnet-ic radiation tester	Wavecontrol	SMP160	19SN0980	May 14, 2025	May 13, 2026
Electromagne-tic field probe	Wavecontrol	WP400-3	20WP120082	May 14, 2025	May 13, 2026
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\

The probe radius is 3.3 cm.

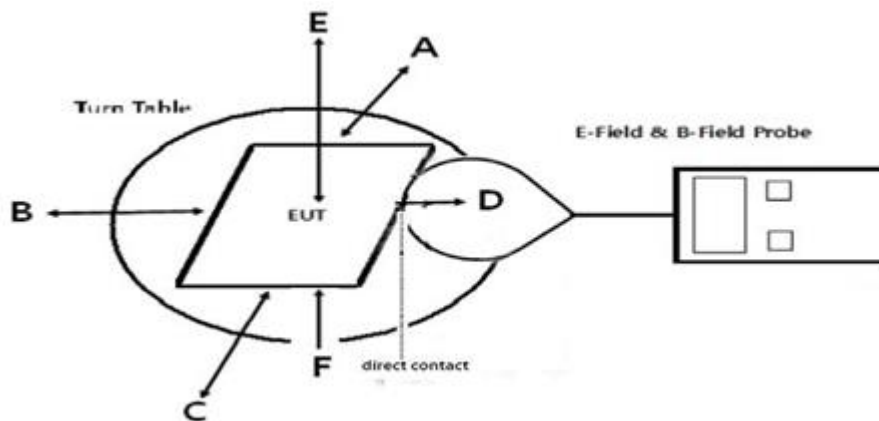
4. Method Of Measurement

4.1 Applicable Standard

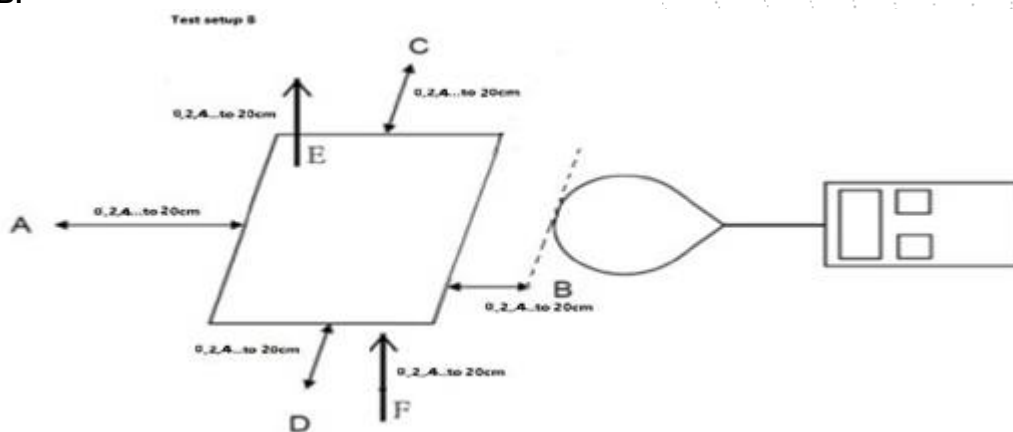
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01v04: RF Exposure Wireless Charging Apps v04.

4.2 Block Diagram Of Test Setup

A:



B:



4.3 Limit

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

4.4 Test procedure

- The RF exposure test was performed in anechoic chamber.
- The measurement probe was placed at 0 cm surrounding the device for test setup A; and the measurement Probe was placed from 0 cm to 20 cm, in 2 cm maximum increment measured from the edge of the device For the test setup B.
- The highest emission level was recorded and compared with limit as soon as measurement of each
- 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.
- The EUT was measured according to the dictates of KDB680106 D01v04.
- Remark:The EUT's test position A, B, C, D , E and F is valid for the E and H field measurements.

4.5 Equipment Approval Considerations

The EUT does comply with item 5.2 of KDB 680106 D01 v04

1) The power transfer frequency is below 1 MHz.

Yes, the device operate in the frequency range from 112-205KHz,300-350KHz

2) The output power from each transmitting element is less than or equal to 15 watts.

Yes, the maximum output power of the primary coil is 15W.

3) A client device providing the maximum permitted load is placed in physical contact with the transmitter.

Yes, client device is placed directly in contact with the transmitter.

4) Only § 2.1091-Mobile exposure conditions apply

Yes, EUT is a fixed state assessment

5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1.

Yes, Conform to

6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time.

Yes, Conform to

4.6 E and H field Strength

Mobile: Test Mode 1

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery level	Frequency Range (MHz)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position Top(uT)
99%	0.112-0.205	0.415	0.429	0.527	0.486	0.533	0.464

Battery level	Frequency Range (MHz)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position Top(A/m)	50% Limits Test (A/m)	Limits Test (A/m)
99%	0.112-0.205	0.319	0.325	0.437	0.412	0.405	0.311	0.796	1.63

Note: A/m = uT ÷ 1.25

Battery level	Frequency Range (MHz)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
99%	0.112-0.205	0.215	0.233	0.236	0.283	0.305	614

Portable: Test Mode 1 (the worst mode)

Full Load

E-Field Strength at (distance from 2cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
2	0.105	0.093	0.106	0.093	0.106	614
4	0.106	0.104	0.096	0.107	0.103	614
6	0.094	0.102	0.101	0.092	0.099	614
8	0.097	0.105	0.097	0.104	0.107	614
10	0.104	0.107	0.095	0.100	0.104	614
12	0.092	0.092	0.099	0.106	0.096	614
14	0.091	0.110	0.098	0.092	0.096	614
16	0.094	0.096	0.098	0.094	0.106	614
18	0.098	0.109	0.105	0.098	0.105	614
20	0.098	0.099	0.107	0.097	0.103	614

H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

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	0.0813	0.0552	0.0743	0.0695	0.0575	0.0576
4	0.0316	0.0288	0.0254	0.0380	0.0221	0.0226
6	0.0244	0.0159	0.0160	0.0204	0.0124	0.0120
8	0.0183	0.0109	0.0106	0.0153	0.0086	0.0090
10	0.0171	0.0108	0.0106	0.0152	0.0086	0.0090
12	0.0180	0.0097	0.0098	0.0143	0.0080	0.0087
14	0.0180	0.0109	0.0104	0.0154	0.0079	0.0089
16	0.0172	0.0099	0.0105	0.0155	0.0080	0.0087
18	0.0180	0.0102	0.0101	0.0154	0.0086	0.0082
20	0.0185	0.0103	0.0098	0.0154	0.0078	0.0083

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.0622	0.0396	0.0452	0.0466	0.0251	0.0251	1.63
4	0.0287	0.0201	0.0197	0.0266	0.0144	0.0132	1.63
6	0.0195	0.0127	0.0128	0.0253	0.0099	0.0096	1.63
8	0.0146	0.0087	0.0085	0.0122	0.0069	0.0072	1.63
10	0.0137	0.0086	0.0085	0.0122	0.0069	0.0072	1.63
12	0.0144	0.0078	0.0078	0.0114	0.0064	0.0070	1.63
14	0.0144	0.0087	0.0083	0.0123	0.0063	0.0071	1.63
16	0.0138	0.0079	0.0084	0.0124	0.0064	0.0070	1.63
18	0.0144	0.0082	0.0081	0.0123	0.0069	0.0066	1.63
20	0.0148	0.0082	0.0078	0.0123	0.0062	0.0066	1.63

Note: $A/m = uT/1.25$

Using Biot-Savart Law, the value of 0cm can be estimated through the test results of 2cm:

Distance: 0cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.1503	0.1129	0.1003	0.1260	0.0468	0.0482	1.63

Using Biot-Savart Law, the value of 2cm can be estimated through the test results of 4cm:

Distance: 2cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.0560	0.0351	0.0360	0.0399	0.0191	0.0196	1.63

Agreement Ratio

Distance: 2cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.0622	0.0560	10.55%	30%
Point B	0.0396	0.0351	12.11%	30%
Point C	0.0452	0.0360	22.67%	30%
Point D	0.0466	0.0399	15.39%	30%
Point E	0.0251	0.0191	27.01%	30%
Point F	0.0251	0.0196	24.81%	30%
Test result: Pass				

Using Biot-Savart Law, the value of 4cm can be estimated through the test results of 6cm:

Distance: 4cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.0250	0.0163	0.0164	0.0209	0.0110	0.0106	1.63

Agreement Ratio

Distance: 4cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.0287	0.0250	13.61%	30%
Point B	0.0201	0.0163	20.82%	30%
Point C	0.0197	0.0164	18.05%	30%
Point D	0.0266	0.0209	23.85%	30%
Point E	0.0144	0.0110	27.08%	30%
Point F	0.0132	0.0106	21.54%	30%
Test result: Pass				

Mobile: Test Mode 2

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery level	Frequency Range (MHz)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position Top(uT)
99%	0.300-0.350	0.456	0.403	0.422	0.397	0.415	0.424

Battery level	Frequency Range (MHz)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position Top(A/m)	50% Limits Test (A/m)	Limits Test (A/m)
99%	0.300-0.350	0.324	0.366	0.405	0.326	0.319	0.3255	0.361	1.63

Note:A/m=uT÷1.25

Battery level	Frequency Range (MHz)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
99%	0.300-0.350	0.219	0.266	0.208	0.245	0.277	614

E-Field Strength at (distance from 2cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
2	0.095	0.103	0.107	0.094	0.103	614
4	0.097	0.102	0.091	0.105	0.104	614
6	0.101	0.096	0.090	0.106	0.103	614
8	0.103	0.103	0.109	0.108	0.092	614
10	0.097	0.109	0.101	0.092	0.099	614
12	0.102	0.097	0.101	0.104	0.099	614
14	0.103	0.097	0.101	0.108	0.100	614
16	0.092	0.105	0.106	0.104	0.099	614
18	0.101	0.109	0.104	0.097	0.109	614
20	0.106	0.099	0.109	0.094	0.105	614

Portable: Test Mode 2 (the worst mode)

H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

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	0.0631	0.0531	0.0645	0.0544	0.0546	0.0466
4	0.0266	0.0214	0.0231	0.0371	0.0223	0.0213
6	0.0249	0.0148	0.0160	0.0194	0.0126	0.0113
8	0.0191	0.0089	0.0098	0.0138	0.0085	0.0084
10	0.0182	0.0082	0.0094	0.0133	0.0080	0.0084
12	0.0190	0.0077	0.0100	0.0137	0.0082	0.0079
14	0.0185	0.0091	0.0086	0.0140	0.0078	0.0074
16	0.0181	0.0090	0.0095	0.0137	0.0080	0.0073
18	0.0193	0.0090	0.0096	0.0137	0.0079	0.0076
20	0.0190	0.0084	0.0097	0.0126	0.0080	0.0079

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.0594	0.0425	0.0416	0.0417	0.0247	0.0226	1.63
4	0.0311	0.0185	0.0215	0.0254	0.0144	0.0131	1.63
6	0.0199	0.0118	0.0128	0.0214	0.0101	0.0090	1.63
8	0.0153	0.0071	0.0078	0.0110	0.0068	0.0067	1.63
10	0.0146	0.0066	0.0075	0.0106	0.0064	0.0067	1.63
12	0.0152	0.0062	0.0080	0.0110	0.0066	0.0063	1.63
14	0.0148	0.0073	0.0069	0.0112	0.0062	0.0059	1.63
16	0.0145	0.0072	0.0076	0.0110	0.0064	0.0058	1.63
18	0.0154	0.0072	0.0077	0.0110	0.0063	0.0061	1.63
20	0.0152	0.0067	0.0078	0.0101	0.0064	0.0063	1.63

Note: A/m=uT/1.25

Using Biot-Savart Law, the value of 0cm can be estimated through the test results of 2cm:

Distance: 0cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.1504	0.1118	0.0992	0.1248	0.0480	0.0480	1.63

Using Biot-Savart Law, the value of 2cm can be estimated through the test results of 4cm:

Distance: 2cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.0558	0.0344	0.0351	0.0390	0.0192	0.0184	1.63

Agreement Ratio

Distance: 2cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.0594	0.0558	6.19%	30%
Point B	0.0425	0.0344	21.01%	30%
Point C	0.0416	0.0351	17.01%	30%
Point D	0.0417	0.0390	6.64%	30%
Point E	0.0247	0.0192	24.88%	30%
Point F	0.0226	0.0184	20.65%	30%
Test result: Pass				

Using Biot-Savart Law, the value of 4cm can be estimated through the test results of 6cm:

Distance: 4cm

battery	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
99%	0.0256	0.0152	0.0164	0.0199	0.0112	0.0100	1.63

Agreement Ratio

Distance: 4cm

Mode 1				
Test Position	Measure Value (A/m)	Valuation(A/m)	Agreement ratio	Limit
Point A	0.0311	0.0256	19.57%	30%
Point B	0.0185	0.0152	19.89%	30%
Point C	0.0215	0.0164	26.69%	30%
Point D	0.0254	0.0199	24.26%	30%
Point E	0.0144	0.0112	25.11%	30%
Point F	0.0131	0.0100	27.15%	30%
Test result: Pass				

5. Photographs Of Test Set-Up



STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

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***** END *****