TEST REPORT

Report No.:	BCTC2303567833-2E
Applicant:	Shenzhen Baseus Technology Co., Ltd.
Product Name:	Power Bank
Model/Type Ref.:	PPCXM1030
Tested Date:	2022-12-21 to 2023-01-16
Issued Date:	2023-03-07

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2A482-PPCXM1030

Product Name:	Power Bank
Trademark:	Baseus
Model/Type Ref.:	PPCXM1030
Prepared For:	Shenzhen Baseus Technology Co., Ltd.
Address:	2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
Manufacturer:	Shenzhen Baseus Technology Co., Ltd.
Address:	2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
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:	2022-12-21
Sample tested Date:	2022-12-21 to 2023-01-16
Issue Date:	2023-03-07
Report No.:	BCTC2303567833-2E
Test Standards:	FCC CFR 47 part1, 1.1307(b), 1.1310
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.

Table Of Content

(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2303567833-2E	2023-03-07	Original	Valid

2. Product Information

2.1 Product Information

Model/Type Ref.:	PPCXM1030
Model differences:	N/A
Product Description:	Power Bank
Operation Frequency:	115kHz-205kHz
Antenna installation:	loop coil antenna
Ratings:	Type-C Input: DC 5V/3A, 9V/2A, 12V/1.5A Type-C Output: DC 5V/3A, 9V/3A, 12V/2.5A, 15V/2A Wireless charger Output: 5W, 7.5W, 10W, 15W
Remark:	The antenna gain of the product is provided by the customer, and the test data is affected by the customer information.

Cable of Product

No.	Cable Type	Quantity	Provider	Length (m)	Shielded	Note
1	--	--	Applicant	---	Yes/No	With a ferrite ring in mid Detachable
2	--	--	BCTC	--	Yes/No	--

2.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Power Bank	Baseus	PPCXM1030	N/A	EUT

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 Modes 1	Wireless charger 5W
Test Modes 2	Wireless charger 7.5W
Test Modes 3	Wireless charger 10W
Test Modes 4	Wireless charger 15W

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
IC Registered No.: 23583

3.2 Test Instrument Used

EMF Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Electromagnet-ic radiation tester	Wavecontrol	SMP160	19SN0980	May 26, 2022	May 25, 2023
Electromagne-tic field probe	Wavecontrol	WP400-3	20WP120082	Sept. 08, 2022	Sept. 07, 2023
843 Chamber	ETS	843	84301	Aug. 27, 2020	Aug. 26, 2023
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\

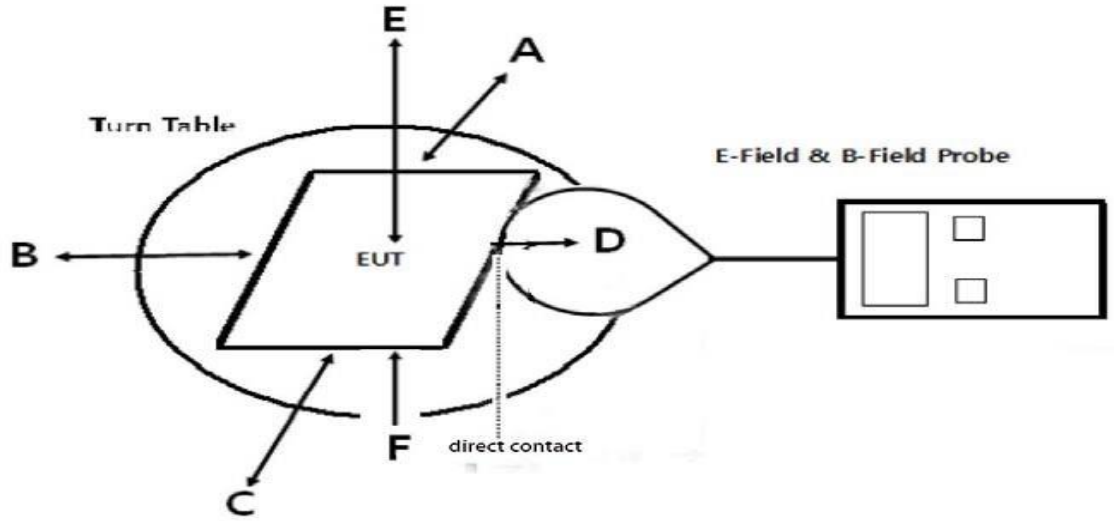
4. Method Of Measurement

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 D01v03: RF Exposure Wireless Charging Apps v02.

4.2 Block Diagram Of Test Setup

A:



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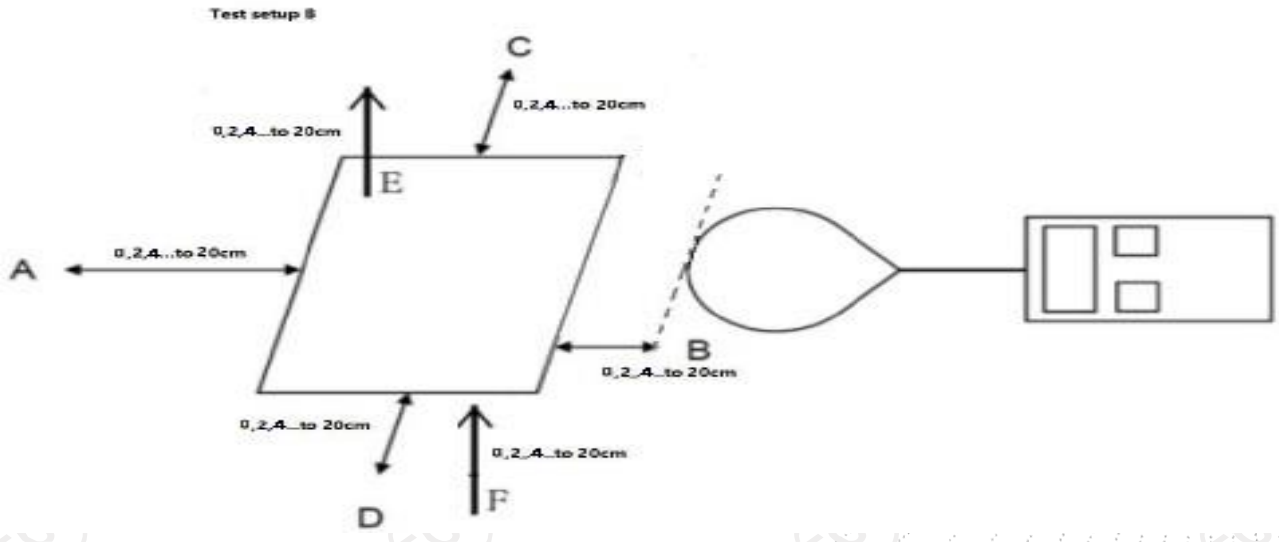


4.3 Limit

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	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/ cm²)	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

a) he RF exposure test was performed in anechoic chamber.
b) 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.
c)The highest emission level was recorded and compared with limit as soon as measurement of eachd) 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.
d)The EUT was measured according to the dictates of KDB680106 D01v03r01
f)Remark:
The EUT's test position A, B, C, D , E and F is valid for the E and H field measurements.

4.5 E And H Field Strength

For setup A:
Worst Case Operating Mode: Mode 4

H-Filed Strength at 0 cm from edges surrounding the EUT (A/m)

Frequency Range (KHz)	Operation condition	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)
115kHz-205kHz	1% battery	0.074	0.050	0.050	0.042	0.057	0.135	1.63
115kHz-205kHz	50% battery	0.103	0.025	0.031	0.186	0.050	0.009	1.63
115kHz-205kHz	99% battery	0.015	0.058	0.001	0.063	0.067	0.141	1.63

Frequency Range (KHz)	Operation condition	Test Position A (uT)	Test Position B (uT)	Test Position C (uT)	Test Position D (uT)	Test Position E (uT)	Test Position F (uT)	Limits (uT)
115kHz-205kHz	1% battery	0.092	0.063	0.063	0.052	0.072	0.169	2.038
115kHz-205kHz	50% battery	0.129	0.031	0.039	0.233	0.063	0.011	2.038
115kHz-205kHz	99% battery	0.019	0.072	0.001	0.079	0.084	0.176	2.038

Note:A/m=uT÷1.25

E-Filed Strength at 0 cm from edges surrounding the EUT (V/m)

Frequency Range (KHz)	Operation condition	Test Position A (V/m)	Test Position B (V/m)	Test Position C (V/m)	Test Position D (V/m)	Test Position E (V/m)	Test Position F (V/m)	Limits (V/m)
115kHz-205kHz	1% battery	0.032	0.092	0.063	0.066	0.080	0.119	614
115kHz-205kHz	50% battery	0.008	0.051	0.031	0.155	0.012	0.076	614
115kHz-205kHz	99% battery	0.107	0.111	0.059	0.036	0.081	0.023	614

For setup B:
Worst Case Operating Mode: Mode 6

1% battery

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

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)
0	0.056	0.103	0.030	0.035	0.084	0.014	1.63
2	0.022	0.097	0.037	0.199	0.070	0.113	1.63
4	0.041	0.090	0.003	0.175	0.037	0.064	1.63
6	0.025	0.097	0.079	0.048	0.068	0.029	1.63
8	0.054	0.085	0.025	0.194	0.006	0.011	1.63
10	0.015	0.046	0.013	0.055	0.081	0.004	1.63
12	0.045	0.003	0.027	0.144	0.058	0.059	1.63
14	0.050	0.109	0.057	0.183	0.083	0.021	1.63
16	0.053	0.037	0.039	0.186	0.089	0.066	1.63
18	0.012	0.091	0.038	0.189	0.004	0.086	1.63
20	0.006	0.053	0.021	0.057	0.054	0.121	1.63

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)	Limits (uT)
0	0.070	0.129	0.037	0.044	0.105	0.017	2.038
2	0.028	0.121	0.047	0.249	0.087	0.141	2.038
4	0.052	0.112	0.004	0.218	0.047	0.079	2.038
6	0.031	0.122	0.099	0.060	0.085	0.036	2.038
8	0.068	0.107	0.032	0.242	0.007	0.014	2.038
10	0.018	0.058	0.017	0.068	0.101	0.004	2.038
12	0.056	0.004	0.033	0.179	0.072	0.074	2.038
14	0.062	0.136	0.072	0.229	0.103	0.026	2.038
16	0.066	0.046	0.048	0.232	0.111	0.083	2.038
18	0.015	0.113	0.047	0.236	0.005	0.107	2.038
20	0.008	0.067	0.026	0.071	0.068	0.151	2.038

Note:A/m=uT÷1.25

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

Test distance (cm)	Test Position A(V/m)	Test Position B(V/m)	Test Position C(V/m)	Test Position D(V/m)	Test Position E(V/m)	Test Position F(V/m)	Limits (V/m)
0	0.040	0.099	0.087	0.162	0.085	0.014	614
2	0.076	0.015	0.025	0.030	0.063	0.011	614
4	0.076	0.046	0.066	0.054	0.084	0.035	614
6	0.109	0.081	0.072	0.007	0.048	0.139	614
8	0.043	0.044	0.055	0.016	0.059	0.064	614
10	0.018	0.117	0.038	0.164	0.083	0.092	614
12	0.081	0.097	0.040	0.076	0.069	0.151	1.63
14	0.035	0.074	0.063	0.036	0.023	0.031	614
16	0.016	0.063	0.093	0.106	0.005	0.001	614
18	0.061	0.108	0.029	0.090	0.049	0.143	614
20	0.092	0.033	0.003	0.118	0.076	0.069	614

50% battery

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

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)
0	0.059	0.038	0.077	0.163	0.057	0.102	1.63
2	0.024	0.078	0.074	0.094	0.020	0.065	1.63
4	0.024	0.051	0.089	0.055	0.023	0.121	1.63
6	0.106	0.010	0.038	0.215	0.081	0.045	1.63
8	0.057	0.060	0.003	0.003	0.021	0.148	1.63
10	0.068	0.064	0.056	0.193	0.040	0.026	1.63
12	0.003	0.074	0.085	0.081	0.023	0.104	1.63
14	0.109	0.048	0.084	0.205	0.076	0.029	1.63
16	0.087	0.003	0.053	0.165	0.037	0.149	1.63
18	0.075	0.021	0.068	0.048	0.047	0.122	1.63
20	0.056	0.011	0.057	0.093	0.083	0.026	1.63

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)	Limits (uT)
0	0.073	0.048	0.097	0.204	0.071	0.128	2.038
2	0.029	0.098	0.093	0.118	0.025	0.081	2.038
4	0.030	0.063	0.111	0.069	0.029	0.151	2.038
6	0.132	0.013	0.047	0.269	0.101	0.057	2.038
8	0.071	0.075	0.004	0.004	0.026	0.185	2.038
10	0.085	0.080	0.069	0.241	0.050	0.033	2.038
12	0.004	0.093	0.106	0.101	0.029	0.130	2.038
14	0.137	0.060	0.105	0.256	0.095	0.036	2.038
16	0.108	0.003	0.066	0.206	0.046	0.186	2.038
18	0.094	0.026	0.086	0.060	0.059	0.152	2.038
20	0.070	0.013	0.071	0.116	0.104	0.032	2.038

Note:A/m=uT÷1.25

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

Test distance (cm)	Test Position A(V/m)	Test Position B(V/m)	Test Position C(V/m)	Test Position D(V/m)	Test Position E(V/m)	Test Position F(V/m)	Limits (V/m)
0	0.011	0.022	0.053	0.009	0.074	0.077	614
2	0.102	0.001	0.072	0.210	0.047	0.027	614
4	0.013	0.081	0.084	0.142	0.040	0.094	614
6	0.106	0.010	0.039	0.204	0.062	0.112	614
8	0.065	0.043	0.035	0.014	0.009	0.142	614
10	0.105	0.114	0.073	0.158	0.064	0.068	614
12	0.080	0.037	0.016	0.024	0.000	0.096	614
14	0.068	0.050	0.060	0.199	0.041	0.129	614
16	0.072	0.019	0.041	0.068	0.064	0.080	614
18	0.045	0.096	0.010	0.209	0.049	0.025	614
20	0.102	0.085	0.025	0.059	0.088	0.067	614

99% battery

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

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)
0	0.075	0.044	0.032	0.038	0.035	0.024	1.63
2	0.002	0.113	0.073	0.053	0.038	0.039	1.63
4	0.054	0.110	0.011	0.013	0.039	0.083	1.63
6	0.038	0.062	0.076	0.113	0.053	0.120	1.63
8	0.091	0.060	0.065	0.024	0.017	0.140	1.63
10	0.084	0.043	0.031	0.105	0.038	0.134	1.63
12	0.014	0.059	0.017	0.203	0.010	0.040	1.63
14	0.091	0.058	0.047	0.040	0.044	0.043	1.63
16	0.037	0.017	0.049	0.187	0.051	0.069	1.63
18	0.110	0.099	0.085	0.182	0.066	0.055	1.63
20	0.102	0.045	0.048	0.011	0.076	0.151	1.63

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)	Limits (uT)
0	0.093	0.055	0.040	0.047	0.044	0.031	2.038
2	0.003	0.141	0.091	0.066	0.048	0.048	2.038
4	0.067	0.137	0.014	0.016	0.049	0.104	2.038
6	0.047	0.077	0.096	0.141	0.066	0.150	2.038
8	0.114	0.076	0.082	0.031	0.022	0.175	2.038
10	0.106	0.054	0.039	0.131	0.047	0.167	2.038
12	0.018	0.073	0.021	0.253	0.013	0.049	2.038
14	0.114	0.072	0.058	0.049	0.055	0.053	2.038
16	0.046	0.021	0.062	0.233	0.064	0.087	2.038
18	0.138	0.124	0.106	0.227	0.083	0.069	2.038
20	0.127	0.056	0.060	0.014	0.095	0.188	2.038

Note:A/m=uT÷1.25

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

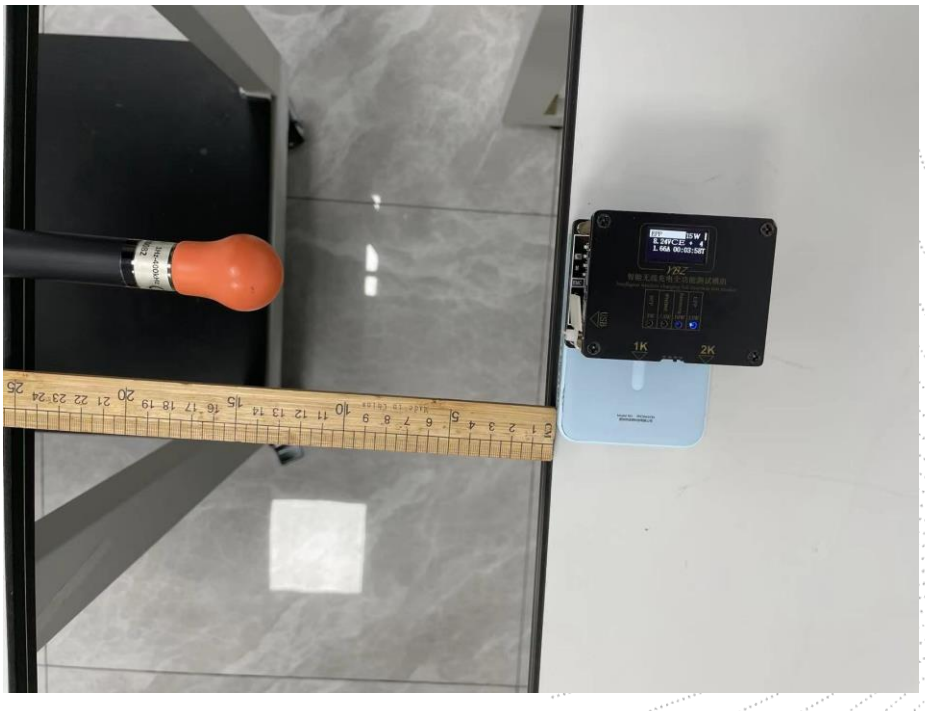
Test distance (cm)	Test Position A(V/m)	Test Position B(V/m)	Test Position C(V/m)	Test Position D(V/m)	Test Position E(V/m)	Test Position F(V/m)	Limits (V/m)
0	0.042	0.110	0.092	0.094	0.009	0.069	614
2	0.015	0.081	0.046	0.112	0.038	0.152	614
4	0.043	0.011	0.036	0.211	0.086	0.092	614
6	0.012	0.036	0.021	0.156	0.064	0.037	614
8	0.039	0.043	0.006	0.186	0.049	0.013	614
10	0.108	0.065	0.040	0.206	0.064	0.097	614
12	0.012	0.107	0.045	0.197	0.006	0.077	614
14	0.073	0.096	0.007	0.104	0.083	0.115	614
16	0.045	0.041	0.020	0.214	0.065	0.087	614
18	0.051	0.104	0.067	0.027	0.018	0.050	614
20	0.071	0.063	0.009	0.115	0.063	0.124	614

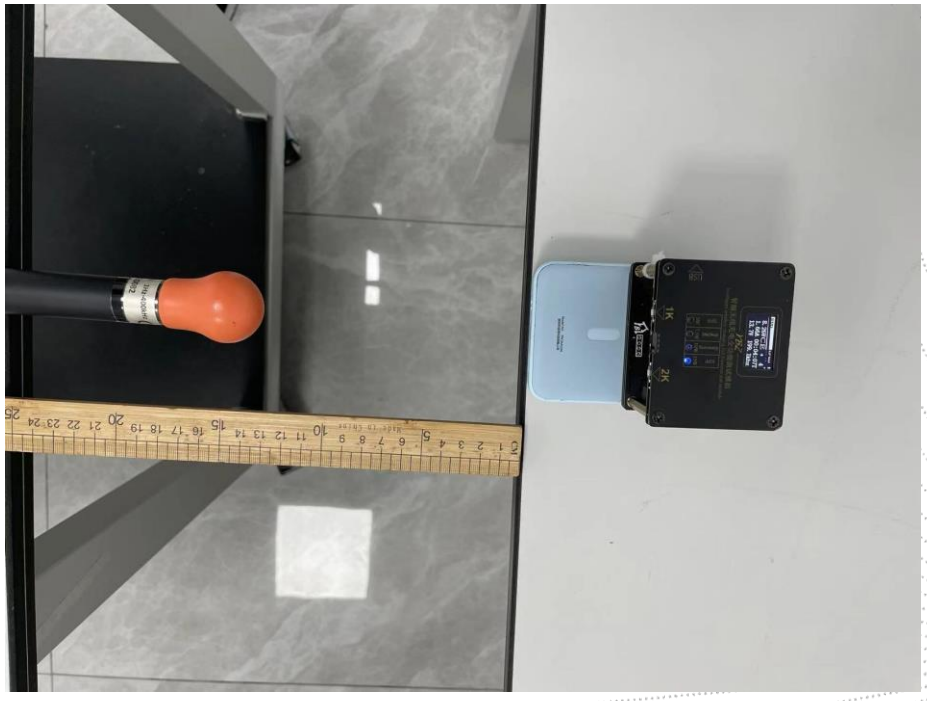
Note: In the frequency range of 1k-10M, except the fundamental frequency, other transmissions of the power transmission system are less than 20dB lower than the maximum fundamental transmission, so it is not necessary to evaluate.

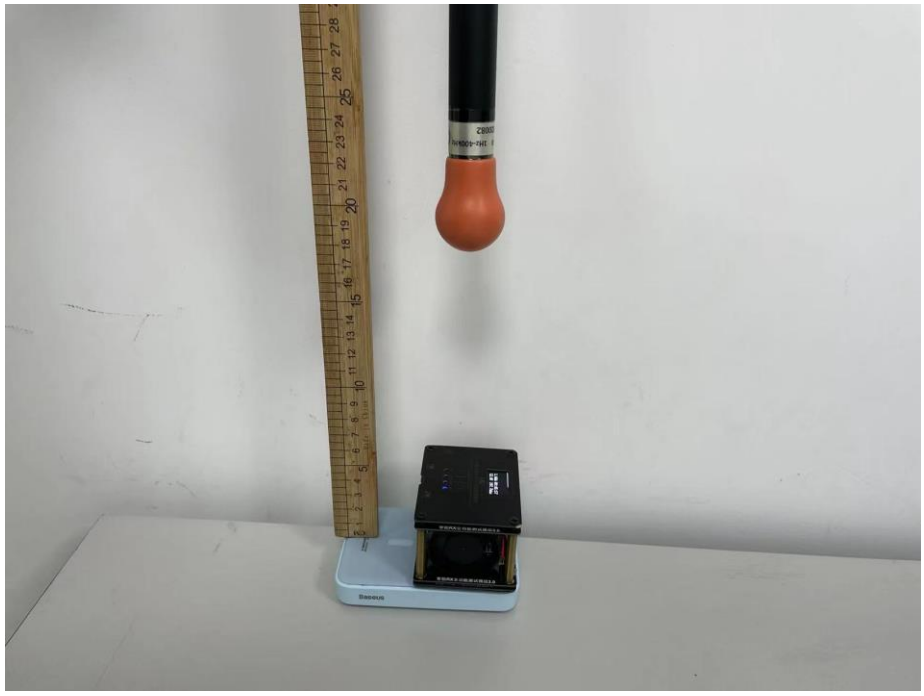
Remark: Based on the following changes in the original test report (BCTC2212237593-2E), No changes were made to the product.
Only changes External & Internal Photos

5. Photographs Of Test Set-Up

20CM







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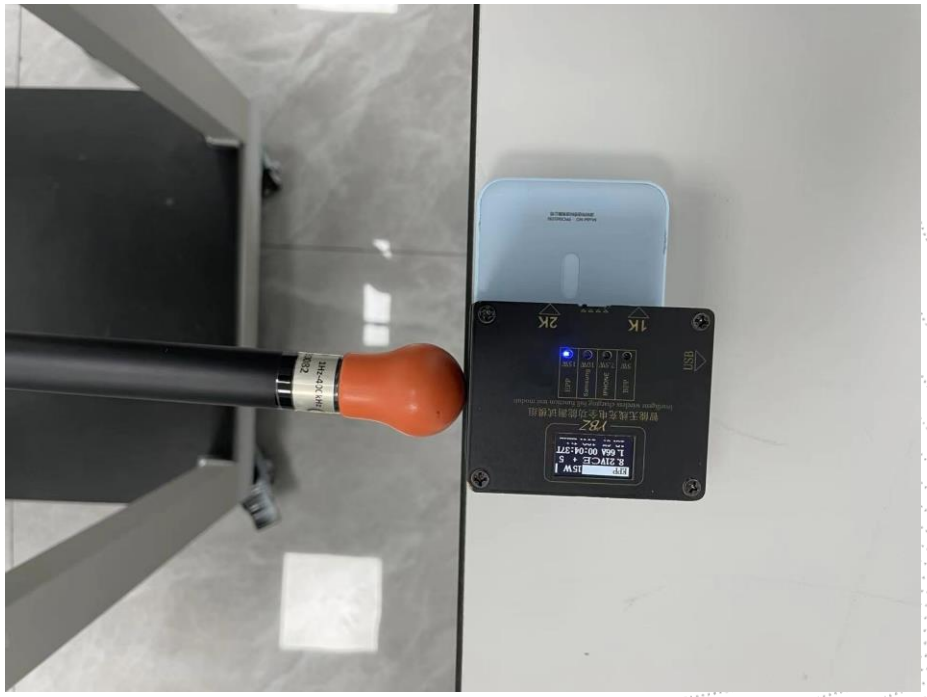
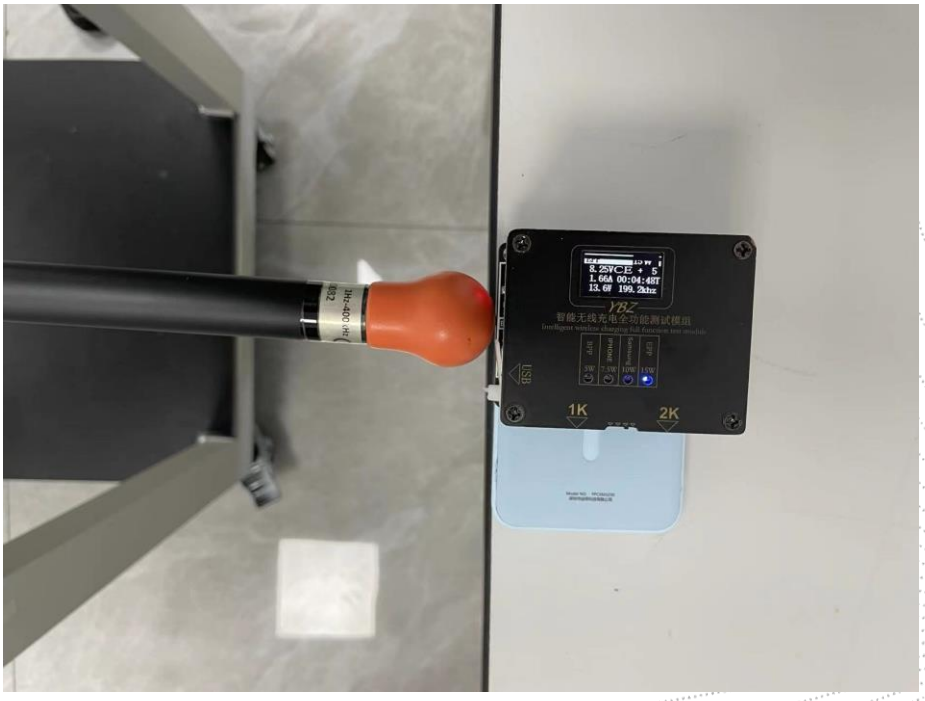



USB
1K
2K


USB
1K
2K

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 test report without CMA mark is only used for scientific research, teaching, enterprise product development and internal quality control purposes.

8. The quality system of our laboratory is in accordance with ISO/IEC17025.

9. 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:
1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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※※※※※ **END** ※※※※※