



FCC TEST REPORT

FCC ID: 2AUB7-BEBQ020

Maximum Permissible Exposure (MPE)

Product Name	:	Wireless Charger
Model Name	:	BEBQ020
Brand Name	:	N/A
Report No.	:	PTC22032203301E-FC02
Prepared for		
SHENZHEN BEB ELECTRONICS CO., LIMITED		
XINHUITENG TECHNOLOGY PARK, BAOAN DISTRICT, SHENZHEN, 518102, GUANGDONG, CHINA		
Prepared by		
Precise Testing & Certification Co., Ltd		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



1TEST RESULT CERTIFICATION

Applicant's name : SHENZHEN BEB ELECTRONICS CO., LIMITED
Address : XINHUITENG TECHNOLOGY PARK, BAOAN
DISTRICT, SHENZHEN, 518102, GUANGDONG, CHINA
Manufacture's name : SHENZHEN BEB ELECTRONICS CO., LIMITED
Address : XINHUITENG TECHNOLOGY PARK, BAOAN
DISTRICT, SHENZHEN, 518102, GUANGDONG, CHINA
Product name : Wireless Charger
Model name : BEBQ020
Standards : FCC CRF 47 PART 1, § 1.1310
Test procedure : KDB 680106 v03 r01
Test Date : Mar.05, 2022 to April.06, 2022
Date of Issue : April.06, 2022
Test Result : Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink that reads "Carson Zhong".

Carson Zhong / Engineer

Technical Manager:

A handwritten signature in black ink that reads "Ronnie Liu".

Ronnie Liu /Manager



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2 Test Summary

Test	Test Requirement	Test Method	Limit / Severity	Result
RF Exposure	FCC CRF 47 PART 1 , §1.1310	KDB 680106 v03 r01	1.1310	PASS

Remark:

N/A: Not Applicable

RF: In this whole report RF means Radio Frequency.

A.M. Amplitude Modulation.

P.M. Pulse Modulation.



2.1 Instrument list

Name of Equipment	Manufacturer	Model	Characteristics	Calibration Due	interval time
Exposure Level Tester	Narda	ELT-400	Aug. 21, 2021	Aug. 20, 2022	1 year
H-Field probe	Narda	HF-3061	Aug. 21, 2021	Aug. 20, 2022	1 year
E-Field probe	Narda	EF0691	Aug. 21, 2021	Aug. 20, 2022	1 year



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2.2 Support Units

Equipment	Model No.	Series No.
Adapter	GaN Mini I	N/A
Adapter	AoYuan	N/A
Load	KAZIDUN	N/A



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3 TEST FACILITY

Precise Testing & Certification Co., Ltd

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

A2LA Certificate No.: 4408.01

FCC Registration Number: 790290

FCC Designation Number: CN1219

IC Registration Number: 12191A

CAB identifier: CN0080



4 General Information

4.1 General Description of E.U.T.

Product Name	:	Wireless Charger
Model Name	:	BEBQ020
Operating frequency	:	110 ~ 205kHz
Antenna Type	:	Coil Antenna
Power supply	:	DC 9V 1.67A,DC 5V 2A via adapter input AC 100-240V 50Hz 0.8A MAX (Model: GaN Mini I)
Output(Stand)	:	DC 9V 1.1A,DC5V 1A
Hardware Version	:	N/A
Software Version	:	N/A



Test model:

Pretest Mode	Description	
Mode 1	Stand charging mode(9V/1.1A,no load, half load, full load)	
Remark:All model are pretested and the worst case is record(full load).		

5 RF Exposure Evaluation

5.1 Limits

Limits for General Population/Uncontrolled Exposure

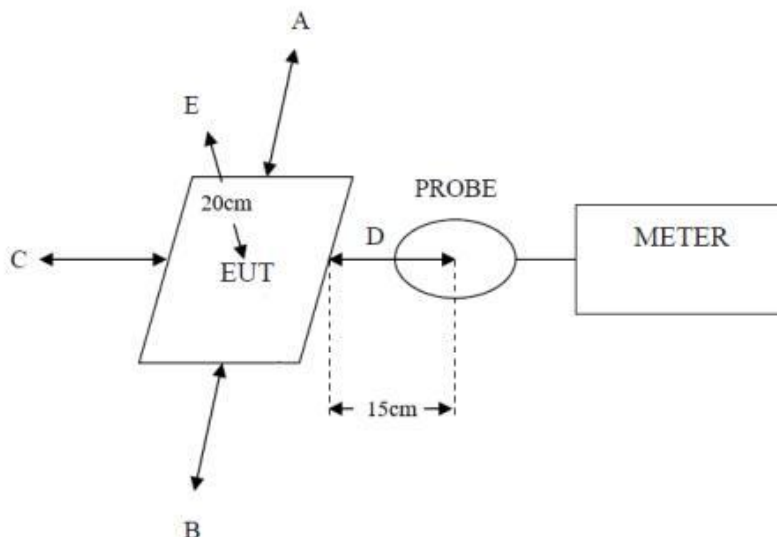
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/150	30
1500-100,000	--	--	1.0	30

f = frequency in MHz

*Plane-wave equivalent power density

- The RF exposure test was performed in anechoic chamber.
- E and H field measurements should be made with the center of the probe at distance of 15cm surrounding the EUT and 20cm above the top surface of the primary/client pair.
- The highest emission level was recorder and compared with limit.
- The EUT was measured according to the dictates of KDB 680106 v03r01.

5.2 Test Configuration





5.3 RF Exposure test result

Temperature: 24°C

Relative Humidity: 53%

EUT was tested with empty load, half load and full load, the full load is the worst case and we listed the results in the report.

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Reading result (uT)	Test result (A/m)	50% Limit (A/m)	Limit (A/m)	Result
A: Right	15	0.0591	0.0473	0.815	1.63	Passed
B: Left	15	0.0595	0.0476	0.815	1.63	
C: Front	15	0.0664	0.0531	0.815	1.63	
D: Back	15	0.0859	0.0687	0.815	1.63	
E: Top	20	0.1134	0.0907	0.815	1.63	

Note: $A/m = uT/1.25$

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result
A: Right	15	2.33	614	Passed
B: Left	15	2.12	614	
C: Front	15	2.35	614	
D: Back	15	2.61	614	
E: Top	20	2.81	614	



5.4 Result appraise

--Yes. It is max power 9.9W.

(3) The sample has only one coil to charge.

(4) Client device is placed directly in contact with the transmitter.

--Yes. Client device is placed directly.

(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

--Yes. it is mobile production.

(6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm 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, it is meet

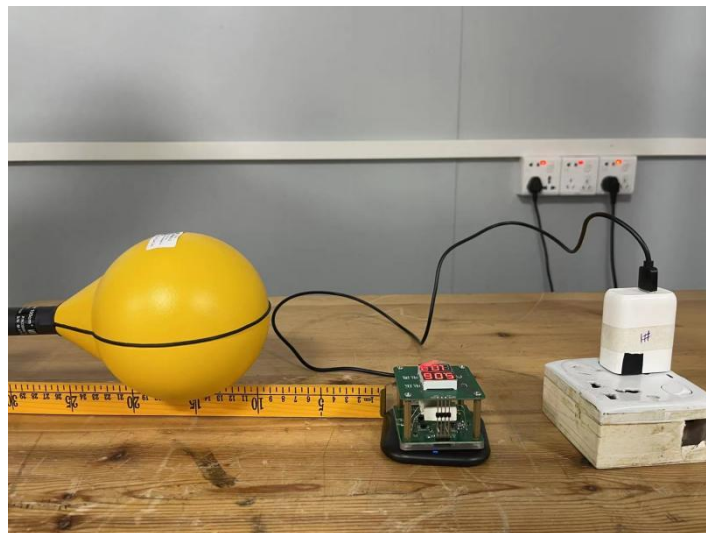
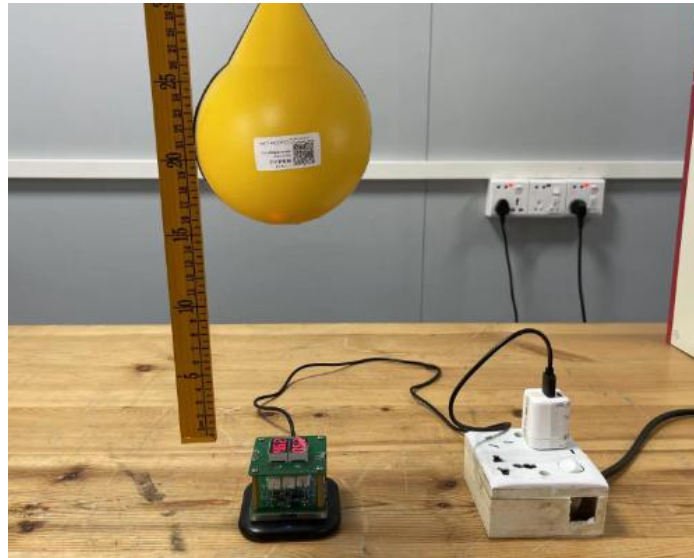
(1) Power transfer frequency is less than 1 MHz

--Yes. it's 110-205KHz.

(2) Output power from each primary coil is less than or equal to 15 watts.
the requirement.



6 Test Photo



*****THE END REPORT*****