

RF EXPOSURE REPORT

FCC ID: 2BTY9-PBE1020

Test Report No.....: RF251229036-01-002

Product(s) Name.....: JUCANI Wireless Charging POWER BANK

Model(s).....: PBE1020, PB-Elite-10K-20W

Trade Mark.....: 

Applicant.....: jucani inc

Address.....: Suite A2, 7498 Colchester Court San Diego, California 92154

Receipt Date.....: 2025.12.31

Test Date.....: 2026.01.07 ~ 2026.01.29

Issued Date.....: 2026.01.30

Standards.....: FCC CFR Title 47 Part 1 §1.1307

FCC CFR Title 47 Part 1 §1.1310

FCC CFR Title 47 Part 2 §2.1093

KDB 680106 D01 Wireless Power Transfer v04

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

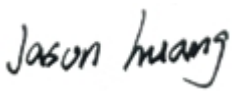
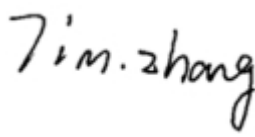
Prepared By:	Checked By:	Approved By:	
Jason Huang	Black Ding	Tim Zhang	
			

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History of this test report

Original Report Issue Date: 2026.01.30

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. General Information

1.1 General Description of EUT

Sample No.	POC251229036-S001
Product name	JUCANI Wireless Charging POWER BANK
Model name	PBE1020, PB-Elite-10K-20W
Test model	PBE1020
Model difference	Only the model name and colors are different
Trade mark	
Power supply:	DC 5V from adapter or DC 3.85V from battery
WPT Output Power:	15W Max/10W/7.5W/5W
Modulation type	ASK
Operating frequency	111-205kHz
Antenna type	Coil Antenna
Antenna Gain	0 dBi

1.2 Test Location

Company:	Shenzhen Haiyun Standard Technical Co., Ltd.
Address:	No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China
CNAS Registration Number:	CNAS L18252
CAB identifier	CN0145
A2LA Certificate Number	6823.01

1.3 Description of support units

The EUT has been tested with associated equipment below:

Description	Manufacturer	Model	S/N
Wireless charger load	EESON	SLY-YZB-A01	/

1.4 Equipment used during test

The antennas provided to the EUT, please refer to the following table:

No.	Equipment	Manufacturer	Type No.	Serial No.	Calibration date	Calibration interval
1	Electric and Magnetic Field Probe-Analyzer	Narda	EHP-200AC	180ZX10204	2025.04.24	1 year

1.5 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
E-field	3kHz~30MHz	$\pm 7.5\%$	(1)
H-field	3kHz~30MHz	$\pm 7.5\%$	(1)
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.			

2. RF exposure limit

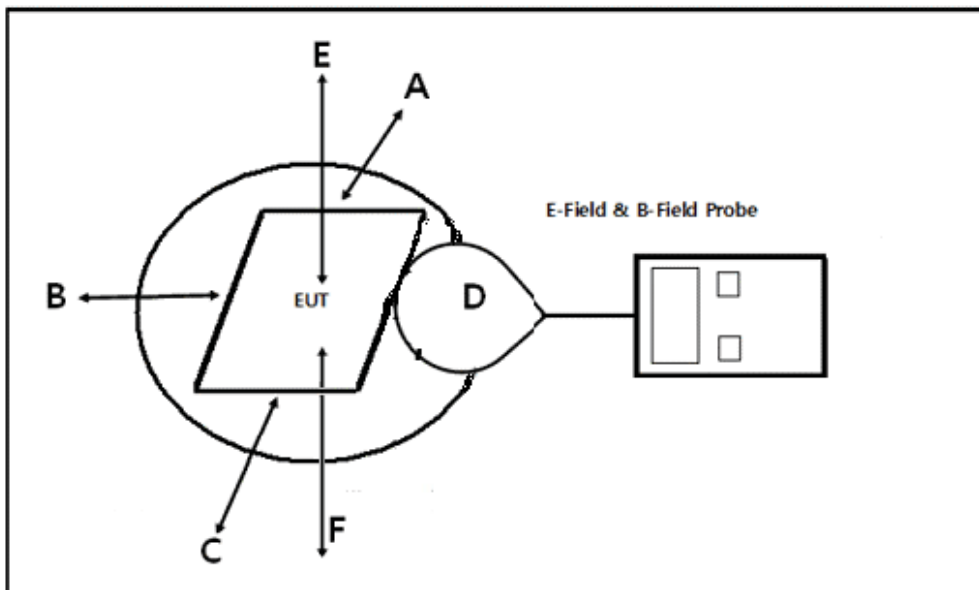
§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

Table 1 to § 1.1310(e)(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)
(i) Limits for Occupational/Controlled Exposure				
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
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) 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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

3. Test setup for WPC



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 0 cm measured from the probe(s) to the edge of the device.

Equipment Approval Considerations:

The EUT comply with KDB 680106 D01 Wireless Power Transfer v04.

1. Power transfer frequency is less than 1 MHz.

Yes, the device operated in the frequency range from 111kHz to 205kHz.

2. The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.

Yes, The maximum output power of each primary coil is 15 watts.

3. A client device providing the maximum permitted load is placed in physical contact with the transmitter(i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)

Yes, the client device includes only single primary coil.

4. Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).

No, The EUT has portable exposure conditions.

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; The EUT's field strength levels are less than 50% of the MPE limit.

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, as per design conditions.

Yes, the EUT has only one coil, all test modes met the conditions specified in (5).

4. Test results

Test Mode	Description
Mode 1	Charging with 15 W wireless charging load
Mode 2	Charging with 10 W wireless charging load
Mode 3	Charging with 7.5 W wireless charging load
Mode 4	Charging with 5 W wireless charging load

Note: All the modes had been tested, but only the worst data was recorded in the report (Mode 1).

According KDB 680106 D01 Wireless Power Transfer v04

H-Field/E-Fiel Strength at 0 mm from the edges surrounding the EUT to antenna sensor

EUT Test Mode	Measured H-Field Strength Values (A/m)						50% Limit (A/m)	Limit (A/m)	Result
	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F			
Device working at the maximum power	0.569	0.573	0.568	0.219	0.645	0.778	0.815	1.63	Pass

EUT Test Mode	Measured E-Field Strength Values (V/m)						50% Limit (V/m)	Limit (V/m)	Result
	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F			
Device working at the maximum power	16.05	16.19	16.17	10.90	18.74	23.10	307	614	Pass

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

(END OF REPORT)