

Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 1 of 12

FCC Test Report

Applicant : Wattbricks Products Inc

Address 337 N Veniyard, Ontario California 91764 United States

Product Name : PORTABLE POWER STATION

Report Date

Jun. 27, 2024



Shenzhen Anbotek Compliance Laboratory Limited

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b





 Report No.: 18360WC40007302
 FCC ID: 2BC23H2500MV1000
 Page 2 of 12

Contents

1. General Information	ek solodina Mar	5
1.1. Client Information	mek unbolen Anbo	5
1.2. Description of Device (EUT)	p	5
1.3. Auxiliary Equipment Used During Test	.hnboir All	6
1.4. Description of Test Modes	And	6
1.5. Test Equipment List	antootek antoo	6
1.6. Measurement Uncertainty	Ant Ant Ant	7
1.7. Description of Test Facility	en Anto	7
1.8. Disclaimer	otek polo	7
2. Measurement and Result	Ant anbote Ant	8
2.1. Requirements	Ant Anbo	8
2.2. Test Setup	Anbo	9
2.3. Test Procedure		0
2.4. Test Result	M	D
APPENDIX I TEST SETUP PHOTOGRAPH		2
APPENDIX II EXTERNAL PHOTOGRAPH		2
APPENDIX III INTERNAL PHOTOGRAPH	moter Andrew 1	2

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 3 of 12

TEST REPORT

Applicant :	Wattbricks Products Inc
Manufacturer :	Huizhou Intelligent Energy Co., Ltd.
Product Name :	PORTABLE POWER STATION
Model No. :	H2500Pro
Trade Mark :	N/A Anbotek Anbotek
Rating(s) :	Please see page 6.

Test Standard(s):FCC Part 1.1310, 1.1307(b)Test Method(s):KDB 680106 D01 Wireless

KDB 680106 D01 Wireless Power Transfer v04

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 1.1307 & KDB680106 D01 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt Date of Test

Prepared By

Jun. 07, 2024 Jun. 07 ~ Jun. 21, 2024

Nian xiu Chen

(Nianxiu Chen)

Idward pan

(Edward Pan)

Approved & Authorized Signer

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b Hotline 400-003-0500 www.anbotek.com.cn





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 4 of 12

Revision History

Report Version	Description	Issued Date
R00 March R00	Original Issue.	Jun. 27, 2024
Anbotek Anboten An	Anbotek Anbotek Anbo	Anbotek Anboten And
tek Anboten Anbo	Anbotek Anbotek Anbote	k Anboren Anbo

Anbc

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com

Code:AB-RF-05-b





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 5 of 12

1. General Information

1.1. Client Information

DU	ter and the boil Alin ater and
Applicant	: Wattbricks Products Inc
Address	: 337 N Veniyard, Ontario California 91764 United States
Manufacturer	: Huizhou Intelligent Energy Co., Ltd.
Address	8-9/F,Bldg.E2,Qunyi Industrial Park,Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, 516039, China
Factory	: Huizhou Intelligent Energy Co., Ltd.
Address	8-9/F,Bldg.E2,Qunyi Industrial Park,Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, 516039, China

1.2. Description of Device (EUT)

N NO		
Product Name	:	PORTABLE POWER STATION
Model No.	:	H2500Pro
Trade Mark	:	N/A Andreak Andreak Andreak Andreak Andreak Andreak
Test Power Supply	:	DC 51.2V Battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A botek Anborek Anborek Anborek Anborek Anborek
RF Specification		
Operation Frequency	:	110.1-205kHz
Modulation Type	:	ASK Anbole And abotek Anbolek Anbolek Anbolek
Antenna Type	:	Inductive loop coil Antenna

Remark: 1) All of the RF specification are provided by customer. 2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com

Code:AB-RF-05-b Hotline 400-003-0500

www.anbotek.com.cn



Report No.: 18360WC40007302

FCC ID: 2BC23H2500MV1000

Page 6 of 12

Rating(s):

WATTBRICKS PORTABLE POWER STATION

• Type: H2500Pro

- Battery Capacity: 51.2V, 40Ah/2048Wh AC Input: 100V-130V~12.5A, 60Hz, 1500W
- PV Input: DC 12V-75V-25A, 800W Max
- AC Output ×4: Pure Sine Wave 120V~60Hz, 2500W
- AC Parallel Interface: 2500W
- After Being Connected AC Output: 4800W
- DC Output ×2 + Cigarette Lighter Socket Output: Total 12V-10A
- USB-A Output ×2: 5V-3A, 9V-2A, 12V-1.5A, 18W Max
- USB-C Output ×2: 5V/9V/12V/15V/20V-3A, 20V-5A, 100W Max
- Wireless Charge: 10W
- Operating Temp: 14 to 104°F (-10 to 40°C)
- Charging Temp: 32 to 104°F (0 to 40°C)
 Date Code:

H2500ProlIIM V1.0.01 3.06.04.0769

www.wattbricks.com

C E FC RHs UN38.3 🕸 🕱

- A WARNING!
 - nit. To avoid short-cin circuiting, keep the unit away from all . ater or other liquids. Keep away from high
 - from high humidity, dusty places.

 - on, it can not replace the standard

AVERTISSEMENT!

- pas l'appareil. Pour éviter tout cour
- s lourds dessus et ne laissez pas de chocs

- ez prude

1.3. Auxiliary Equipment Used During Test

Description	Rating(s)				
Apple Phone	Manufacturer: Apple	Anbo.	h. hotek	Anbote	Ann
Ant stek unbote	M/N: iPhone 12	Anbore	And	Anbotek	Puppo

1.4. Description of Test Modes

Pretest Modes			Descriptions					
no hotek	Mode 1	Aupo.	ek no	otek p	WPT M	lode (10W 1% Load)	potek	Anbo. stek
Ann botek	Mode 2	Pupo.	stek pr	nbotek	WPT M	ode (10W 50% Load) nbotek	Anbo
Antobote	Mode 3	P.O	po tek	Anbotek	WPT Mo	ode (10W 99% Load) Anboten	Anbo
ek at	Mode 4	.No	And	Anbotek	r pre	Standby Mode	Anbore	And And

1.5. Test Equipment List

	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
4	1 _{A'}	Electric and Magnetic field Analyzer	NARDA	EHP-200A	180ZX10202	Oct. 16, 2023	1 Year

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755-26066440 Fax:(86) 0755-26014772 Email:service@anbotek.com

Code:AB-RF-05-b Hotline. 400-003-0500

www.anbotek.com.cn



Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 7 of 12

1.6. Measurement Uncertainty

Magnetic Field Reading(A/m)	:	+/-0.04282(A/m)	Anbotek	Anbore.	Annobotek
Electric Field Reading(V/m)	:	+/-0.03679(V/m)	Anbotek	k hotek	Anbotek

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 434132

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

1.8. Disclaimer

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 8 of 12

2. Measurement and Result

2.1. Requirements

According to the item 5.b) of KDB 680106 D01v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

- (1) The power transfer frequency is below 1 MHz.
- (2) The output power from each transmitting element (e.g., coil) is less than or equal to 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)

(4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-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. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

(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. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b Hotline 400-003-0500 www.anbotek.com.cn



Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 9 of 12

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)
	(A) Limits for Occ	upational/Controlled Ex	posures	
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	1	1	f/300	6
1500-100,000	1	1	5	6
1500-100,000	(B) Limits for Genera	/ I Population/Uncontrolle	and an element	0

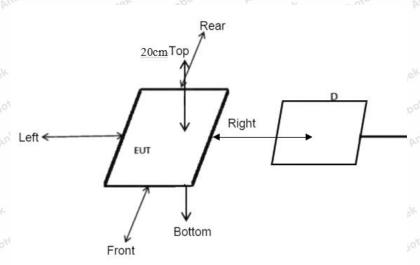
	-/			
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	1	1	f/1500	30
1500-100,000	1	1	1.0	30

F=frequency in MHz

*=Plane-wave equivalent power density

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

2.2. Test Setup



Note: Measurements should be made at 20 cm surrounding the EUT and 20cm above the top surface of the EUT.

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com

Code:AB-RF-05-b





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 10 of 12

2.3. Test Procedure

- 1) The RF exposure test was performed in anechoic chamber
- 2) The measurement probe was placed at required test distance which is between the edge of the charger and the geometric center of probe.
- The highest emission level was recorded and compared with limit as soon as measurement of each points

(A, B, C, D, E) were completed.(A is the right, B is the back, C is the left, D is the front, and E is the top.)

4) The EUT was measured according to the dictates of KDB 680106 D01 v04

Remark; The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

2.4. Test Result

- 2.4.1. Equipment Approval Considerations item 5.b of KDB 680106 D01 v04.
- (1) The power transfer frequency is below 1 MHz.
- The device operate in the frequency range 110.1-205kHz.
- (2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.The maximum output power of the primary coil is 10W.
- (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)
- The surfaces of the transmitter and client device enclosures is in physical contact.
- (4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).
 - The EUT is a Mobile 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. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

- Conducted the measurement with the required distance and the test results please refer to the section 2.4.

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com

Code:AB-RF-05-b





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 11 of 12

- (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. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.
 - The EUT is one radiating structure.

2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310

Temperature:	1001	24.3°C	Anboten	Relative Humidity:	56 %
Pressure:	Anboten	101 kPa	nbote	Test Voltage:	DC 51.2V Battery inside

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

Test Mode	Frequency Range (kHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
Mode 1	110.1-205	0.394	0.484	0.434	0.444	0.564	307	614
Mode 2	110.1-205	1.466	1.906	1.396	1.526	1.696	307	614
Mode 3	110.1-205	2.463	2.863	2.473	2.423	2.883	307	614
Mode 4	110.1-205	0.390	0.540	0.380	0.370	0.510	307	614

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

Test Mode	Frequency Range (kHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
Mode 1	110.1-205	0.029	0.051	0.057	0.041	0.051	0.815	1.63
Mode 2	110.1-205	0.299	0.389	0.289	0.289	0.459	0.815	1.63
Mode 3	110.1-205	0.449	0.629	0.519	0.339	0.329	0.815	1.63
Mode 4	110.1-205	0.575	0.395	0.495	0.615	0.475	0.815	1.63

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b Hotline 400-003-0500 www.anbotek.com.cn





Report No.: 18360WC40007302 FCC ID: 2BC23H2500MV1000 Page 12 of 12

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_MPE

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

--- End of Report --

Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com

Code:AB-RF-05-b

