

Report No.: 18360WC30017101 FCC ID: 2BASNG2400XMV1000 Page 1 of 21

FCC Test Report

Applicant : Huizhou Intelligent Energy Co., Ltd.

- Address
- 8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe : Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, China

Product Name : PORTABLE POWER STATION

Report Date : Jan. 31, 2024



Shenzhen Anbotek

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





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TEST REPORT

Applicant	:	Huizhou Intelligent Energy Co., Ltd.
Manufacturer	<u>):</u>	Huizhou Intelligent Energy Co., Ltd.
Product Name	otel	PORTABLE POWER STATION
Test Model No.	, n'b'	G2400X
Reference Model No.	: P	G2400, G2400Pro, G2400PX
Trade Mark	:	N/A tek Antotek Anbotek
Rating(s)	ہ :	Please refer to Page 6
Test Standard(s)	ot ^{ek}	47 CFR Part 15.209

ANSI C63.10-2020

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 above listed standard(s) 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:

Jan. 19. 2024

Date of Test:

Prepared By:

Jan. 23, 2024 to Jan. 30, 2024

Stella zhu

(Stella Zhu)

Idward pan

(Edward Pan)

Approved & Authorized Signer:

Shenzhen Anbotek Compliance Laboratory Limited

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Revision History

Report Ve	rsion	Description			Issued Date			
R00	abotek Ant	otek	Original Issue.	Anbotek	Anboro.	Jan. 31	, 2024	Anbote
Anbo,	Anbotek	Anboren	Ambotek	Anbotek	Anbo.	otek	Anbotek	Ant
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1. General Information

1.1. Client Information

Applicant	:	Huizhou Intelligent Energy Co., Ltd.
Address	:	8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, China
Manufacturer	:	Huizhou Intelligent Energy Co., Ltd.
Address	•	8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, 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, China

1.2. Description of Device (EUT)

Product Name	:	PORTABLE POWER STATION
Test Model No.	:	G2400X
Reference Model No.	:	G2400, G2400Pro, G2400PX (Note: All samples are the same except the model number, so we prepare "G2400X" for test only.)
Trade Mark	:	N/A Andorek Andorek Andorek Andorek Andorek Andorek Andorek
Test Power Supply	:	AC 120V/60Hz; DC 51.2V Battery inside; DC 12V
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A one And Anborek Anborek Anborek Anborek Anborek Anborek

Operation Frequency	•	110.1-205kHz				
Modulation Type	:	ASK Antorek Anderek Ander Ander Ander Ander A				
Antenna Type	:	Inductive loop coil Antenna				
Antenna Gain(Peak)	:	0 dBi tek hotek Anbotek Anbotek Anbotek Anbotek Anbotek				
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.

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nbotek А **Product Safety**

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Rating(s):	Anbor Ar Anborek	Anbote: And botek	Anborek
PORTABLE POWER STATION • Type: G2400X • Battery Capacity: 51.2V, 36Ah/1843.2Wh • AC Input: 100V-130V-10A, 60Hz, 1200W • PV Input: DC 12V-75V-25A, 800W Max • AC Output × 2: FOR Sine Wave 120V-60Hz, 2400W • Extra Battery: 51.2V=60A • DC Output × 2: + Cigarette Lighter Socket Output: Total 12V=10A • USB-A Output × 2: \$V=3A, 9V-2A, 12V-1.5A, 18W Max • USB-A Output × 2: \$V=3A, 9V-2A, 12V-1.5A, 18W Max • USB-A Output × 2: \$V=9V, 12V/15V/20V-3A, 20V-5A, 100W Max • Wireless Charge: 10W • Operating Temp: 32 to 104°F (0 to 40°C) • Charging Temp: 32 to 104°F (0 to 40°C) • Manufacture: Huizhou Intelligent Energy Co., Ltd. • Date Code: []	★ WARNING! • Do not short-circuit the unit. To avoid short-circuiting, keep the unit away from all metal objects (e.g.coins, hairing, keys, etc.): • Do not heat the unit, or dispose off in fire, water or other liquids. Keep away from high temperatures. • Do not capose the unit do direct sunlight. Keep away from high temperatures. • Do not disassemble or reassemble bis unit. • Do not disassemble or reassemble this unit. • Do not disassemble or not nother the disastemble or reassemble. • Do not physich or	▲ AVERTISSEMENT! • Ne court-circuitez pas l'appareil. Pour éviter tout court-ci éloignez l'appareil de tout objet me tallique (par exemple monnale, épingles à cheveux, clés, etc.). • Ne chauftez pas l'appareil et ne le jetez pas dans le feu, l' d'auturs liquides. Ientri à l'actur des températures élevée M'exposer pas l'appareil à la lumière directe du soleil. • Ne construction de la c	rcuit, , pièces de eau ou s. us et ne sorielles ou soin ou de leur e jouent



1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Anbort An. abotek	Anboten / Anothek	Anbotek / Anbor	And Anbotek / Anboten
No. Pr.	K poter Ann	sek abo	Pr. V. Vole.

1.4. Description of Test Modes

	Pretest Modes			Descriptions	14
boten	TM1	nbotek	Anbore	AC charging+WPT (AC120V/60Hz)	Anbotek
Anboten	TM2	Anbo	iek Anboro	DC charging+WPT(DC 12V)	Anbotek
Anbo	TM3	2.0	botek Anbor	WPT Mode(DC 51.2V Battery inside)	Anbotek

1.5. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB Anbor An borek Anboren An
Radiated emissions (Below 30MHz)	3,53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB
The measurement uncertainty and decision risk eva	aluated according to AB/WI-RF-F-032.

level using a coverage factor of k=2

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Hotline 400-003-0500 www.anbotek.com.cn



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1.6. Test Summary

	NO ******	
Test Items	Test Modes	Status
Antenna requirement	An pootek / Anboten	AnuPotek
Conducted Emission at AC power line	Mode1,2,3	Pote
Emissions in frequency bands (below 30MHz)	Mode1,2,3	PART P
Emissions in frequency bands (30MHz - 1GHz)	Mode1,2,3	P
Note: P: Pass N: N/A, not applicable	Anbotek Anbotek	Anbotek

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.

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1.9. Test Equipment List

Conducted Emission at AC power line

200	17 V.		20	N	17 V.	
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
< 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2023-10-12	2024-10-11
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2023-10-12	2024-10-11
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	tek /Anbotek	ek sobotek
	10 h0	Dr.	101 101		~K ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- De

Emis	sions in frequency ba	ands (below 30MHz)				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 ⁰⁰¹	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2023-10-12	2024-10-11
A2	Pre-amplifier	Schwarzbeck	BBV-9745	9745-075	2023-10-12	2024-10-11
3Ant	Software Name EZ-EMC	Farad Technology	EMEC-3A1	N/A ^{Anbo}	potek / Anbot	K Knboren
_e * 4	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11

Emiss	sions in frequency b	ands (30MHz - 1GHz)				Anboten
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 ^{nb^o}	Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	01109	2022-10-16	2025-10-15
2	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
3	Pre-amplifier	SONOMA	310N	186860	2023-10-12	2024-10-11
4 et	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
5 Anbo	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	K Mootek	Anborek

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2. Antenna requirement

poter Anbe	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to
And	ensure that no antenna other than that furnished by the responsible party
Test Requirement:	shall be used with the device. The use of a permanently attached antenna or
ek Anbotek Anbot	of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

2.1. Conclusion

The antenna is a Inductive loop coil antenna which permanently attached, and the best case gain of the antenna is 0 dBi . It complies with the standard requirement.

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3. Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).					
b. A. otek	Frequency of emission (MHz)	Conducted limit (dBµV)	Anbore P			
aboten Anbe	sotek anbore Am	Quasi-peak	Average			
- wek	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5	56	46 nbote			
abotek Anbo	5-30 stek photo And	60 boten An	50			
All hotek Anbote	*Decreases with the logarithm of the	ne frequency.	Anboten Anbe			
Test Method:	ANSI C63.10-2020 section 6.2	Anbore. And	Anbotek Anb			
Procedure:	Refer to ANSI C63.10-2020 sectio line conducted emissions from unl	n 6.2, standard test metho censed wireless devices	od for ac power-			

3.1. EUT Operation

Operating Environment:

PL V				
	1: TM1: AC charging+WPT (AC120V/60Hz)		Anbort	Aur
Test mode:	2: TM2: DC charging+WPT(DC 12V)			
ek Anbore	3: TM3: WPT Mode(DC 51.2V Battery inside)	Anbore	Ann	

3.2. Test Setup



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3.3. Test Data



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Note: Only record the worst data in the report.

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4. Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209	Anbors An botek Anb	oten Anto-
Antotek Antoten	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Antick	0.009-0.490	2400/F(kHz)	300 of the second
otek Anbors An	0.490-1.705	24000/F(kHz)	30
ak hotek	1.705-30.0	30 And K botel	30 pr/201
unbote: And	30-88	100 **	3 botek
hotek Anbore	88-216	150 **	3 AM
Anbo k potek	216-960	200 **	3 rek Anbor
Anboter And	Above 960	500 tek popote A	3
Test Limit:	intentional radiators operati frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a these three bands are base detector. As shown in § 15.35(b), for limits in paragraphs (a)and However, the peak field stree maximum permitted average under any condition of mod paragraph (b)of this section millivolts/meter at 3 meters	ing under this section shall not b lz, 76-88 MHz, 174-216 MHz or these frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing frequencies above 1000 MHz, t (b)of this section are based on a ength of any emission shall not e pe limits specified above by more fulation. For point-to-point opera n, the peak field strength shall not along the antenna azimuth.	e located in the 470-806 MHz. ted under other oand edges. measurements uency bands 9– ssion limits in an average he field strength average limits. exceed the e than 20 dB tion under ot exceed 2500
Test Method:	ANSI C63.10-2020 section	6.4 Anbote Ano	Anbotek Anb
Procedure:	ANSI C63.10-2020 section	6.4 Anboten Anbo	nbotek P

4.1. EUT Operation

Operating Envi	ronment:					
Test mode:	1: TM1: AC chargir 2: TM2: DC chargir 3: TM3: WPT Mode	ng+WPT (AC120 ng+WPT(DC 12\ e(DC 51.2V Batte	V/60Hz) /) ery inside)	Anbotek	Annotek Anbotek	Anbote Anb

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4.2. Test Setup



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Anbot





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4.3. Test Data

Test Results (Between 9KHz – 150KHz)



Note: Only record the worst data in the report.

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Test Results (Between 0.15MHz - 30MHz)



Note: Only record the worst data in the report.

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5. Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209	Anbor ek potek Anbr	And And And
Annotek Anboten K hotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anulak	0.009-0.490	2400/F(kHz)	300 010
otek Anbort An	0.490-1.705	24000/F(kHz)	30
ok botek	1.705-30.0	30 And a hotek	30 Anbo
inbote And lok	30-88	100 **	3 botek
Lotek Anbore	88-216	150 **	3
And botek	216-960	200 **	3rek Anbor
Anbore Ant	Above 960	500 At Antonio	3
Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	intentional radiators operati frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-p 90 kHz, 110–490 kHz and a these three bands are base detector. As shown in § 15.35(b), for limits in paragraphs (a)and However, the peak field stree maximum permitted average under any condition of mod paragraph (b)of this section millivolts/meter at 3 meters	ng under this section shall not b z, 76-88 MHz, 174-216 MHz or hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing frequencies above 1000 MHz, t (b)of this section are based on a ength of any emission shall not e e limits specified above by more ulation. For point-to-point operation the peak field strength shall not along the antenna azimuth.	e located in the 470-806 MHz. ded under other band edges. measurements uency bands 9– sion limits in an average he field strength average limits. exceed the e than 20 dB tion under ot exceed 2500
Test Method:	ANSI C63.10-2020 section	6.5 Anbote And otek	Anbotek Anb
Procedure:	ANSI C63.10-2020 section	6.5 Anbotek Anbo	anbotek A

5.1. EUT Operation

Operating Envi	ronment:					
Test mode:	1: TM1: AC charging 2: TM2: DC chargin 3: TM3: WPT Mode	g+WPT (AC120 g+WPT(DC 12' (DC 51.2V Batt)V/60Hz) ∨) ery inside)	Anboie Anbotek Anbotek	Anbotek Anbotek	Anbote Anb

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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





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5.2. Test Setup



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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





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5.3. Test Data



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Note: Only record the worst data in the report.

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APPENDIX I -- TEST SETUP PHOTOGRAPH

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

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 ----

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