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FCC TEST REPORT

Client Name : Shenzhen Hongshanjie Technology Co., Ltd

Address 2/F, No.20, Jiuwei 1st Road, Jiuwei Community,

Hangcheng Street, Bao'an District, Shenzhen, China

Product Name : Wireless charger with sterilizing Box

Date : Jul. 15, 2020





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TEST REPORT

Applicant : Shenzhen Hongshanjie Technology Co., Ltd

Manufacturer : Shenzhen Hongshanjie Technology Co., Ltd

Product Name : Wireless charger with sterilizing Box

Model No. : HSU-006

Trade Mark : N.A.

Rating(s) : Input: DC 5V, 2A / DC 9V, 2A

Wireless Output: 10W Max

Test Standard(s) : FCC Part 1.1310, 1.1307(b)

Test Method(s) : KDB680106 D01 RF Exposure Wireless Charging Apps v03

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	Jun. 17, 2020
Date of Test	Jun. 17~Jul. 10, 2020
	Dolly Mo
Prepared By	Anbore And Trek Anborek Anbo
Anborek Anborek Anborek	(Engineer / Dolly Mo)
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Reviewer	And otek Week Anberrak
stek shotek Anbore All hotek Anb	(Supervisor / Bibo Zhang)
	Tom Chen
Approved & Authorized Signer	And tek anbotek Anbor ak hotek
k hotek Anbote Ann tek onbotek	(Manager / Tom Chen)

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1. General Information

1.1. Client Information

- 00	
Applicant	: Shenzhen Hongshanjie Technology Co., Ltd
Address	2/F, No.20, Jiuwei 1st Road, Jiuwei Community, Hangcheng Street, Bao'an District, Shenzhen, China
Manufacturer	: Shenzhen Hongshanjie Technology Co., Ltd
Address	2/F, No.20, Jiuwei 1st Road, Jiuwei Community, Hangcheng Street, Bao'an District, Shenzhen, China
Factory	: Shenzhen Hongshanjie Technology Co., Ltd
Address	2/F, No.20, Jiuwei 1st Road, Jiuwei Community, Hangcheng Street, Bao'an District, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	Wireless charger with steril	lizing Box
Model No.	:	HSU-006	otek Anborek Anborek Anbores Ant
Trade Mark	:	N.A. otak Anbotek	upor Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V, 60Hz for adapter	Ambotek Anbotek Anbotek Anbotek
Test Sample No.	:	1-2-1(Normal Sample), 1-2	-1(Engineering Sample)
C		Operation Frequency:	110.1-205KHz
Product		Modulation Type:	Backscatter
Description		Antenna Type:	Inductive loop coil Antenna
		Antenna Gain(Peak):	0 dBi

Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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1.3. Auxiliary Equipment Used During Test

Adapter	:	Manufacturer: Anker	
4		M/N: A2014 Input: 100-240V 50-60Hz 1.2A	3
		Output: 5V == 3A / 9V == 3A / 15V == 2A / 20V == 1.5A	

1.4. Test Equipment List

	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	1	Magnetic field meter	NARDA	ELT-400	423623	Dec. 23, 2019	1 Year
K	2	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
oil.	3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)
		Ur = 3.8 dB (Vertical)
		abotek Anbotek Anbotek Anbotek Anbotek
Conduction Uncertainty	:	Uc = 3.4 dB

1.6. Description of Test Facility

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

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed 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. 184111, September 27, 2019.

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, March 07, 2019.

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. 518102

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2. Measurement and Result

2.1. Requirements

According to the item 5.b) of KDB 680106 D01v03:

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

- 1) Power transfer frequency is less that 1 MHz
- 2) Output power from each primary coil is less than or equal to 15 watts.
- 3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
- 4) Client device is inserted in or placed directly in contact with the transmitter
- 5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)
- 6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Limits For Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	Averaging time (minutes)							
(A) Limits for Occupational/Controlled Exposures											
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							
	(B) Limits for Genera	l Population/Uncontrolle	d 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							
300-1500	1	1	f/1500	30							
1500-100,000	/	1	1.0	30							

F=frequency in MHz

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).

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Code: AB-RF-05-a

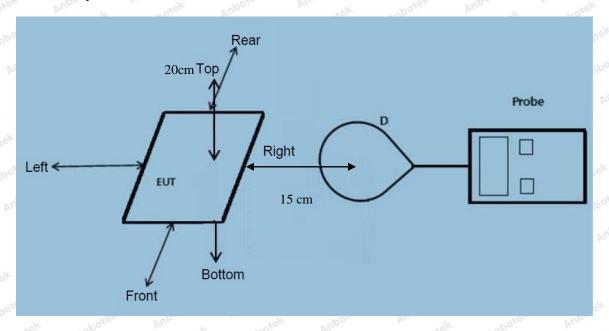
Hotline 400-003-0500 www.anbotek.com

^{*=}Plane-wave equivalent power density



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2.2. Test Setup



Note: Measurements should be made at 15 cm surrounding the EUT and 20cm above the top surface of the EUT.

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.
- 3) 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 v03.

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 v03.
- 1) Power transfer frequency is less that 1 MHz
 - The device operate in the frequency range 110.1~205KHz
- 2) Output power from each primary coil is less than 15 watts
 - The maximum output power of the primary coil is 10W.

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- 3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
 - The transfer system including a charging system with two primary coils is to detect and allow only between individual pairs of coils. Only one coil works at a time.
- 4) Client device is inserted in or placed directly in contact with the transmitter
 - Client device is placed directly in contact with the transmitter.
- 5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)
 - The EUT is a Mobile Power Pack with Wireless charger with sterilizing Box
- 6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.
- Conducted the measurement with the required distance and the test results please refer to the section 2.4.2



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

Temperature:	23.6°C	Relative Humidity:	55%
Pressure:	1012 hPa	Test Voltage:	AC 120V, 60Hz for adapter

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
VUL	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	ek A anb	otek B M	C	Dek	ALEO PER	(V/m)	(V/m)
lek Mup,	Pup.	otek p	nbotek	Aupor	principolek	Aupose	Y MUS	ek c
1%	110.1~205	0.38	0.33	0.24	0.47	0.99	307	614
nbotek		Anbotek	Anbotek	Anbor	rek bi	potek	rupoten VL	potek
, abotek	Anbore	Vur Potel	Anbot	Sk VUP	stek h	anbotek	Aupole	Ans potel
50%	110.1~205	1.41	1.50	1.16	1.45	1.52	307	614
ek upc		K Anu	worek.	Anbotek	Mupo,	Ar. abote	Anbore	K And
rek ba	ibotek Ani	ole. b	hotek	Anbotek	Vupo.	ek sup	otek Anbor	P
99%	110.1~205	2.37	2.53	2.45	2.40	2.56	307	614
Anboro		Aupotek	Anbo	k Anbo	tek Pul	ore p	abotek	Anbotek
Anbor	an abotek	Anboren	ok bugg	otek A	botek	Aupo, rek	pa nbotek	Anborer
Stand-by	110.1~205	0.42	0.36	0.78	0.44	0.50	307	614
k Aupo,		otek Ar	poter	inb. otek	anbotek	Anboro	ok abote	Jr. Pr



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H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

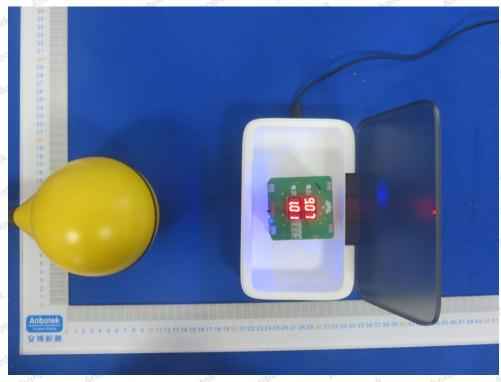
38 K		Pro-	240			0/4	NO.	
Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
200-	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	otek B	door C	Anba D	Entek	(A/m)	(A/m)
ek Anbo	tek Vupo	-tek	nbotek	Anbore	And	Anbotel	Aupo	lek '
1%	110.1~205	0.040	0.053	0.042	0.045	0.067	0.815	1.63
botek		Anboro	Allabotek		In Augus	notek A	hbotek Ar	por
Anshotek	Anbotek	Anbo	r mbo	iek Aup	ore A	botek	Anborek	Anbo. otel
50%	110.1~205	0.29	0.54	0.36	0.41	0.46	0.815	1.63
-K Anti	ek Anboi	ek Anb	o, k	anbotek	Anbore.	And	Anbotek	Anb
VK VIII	notek An	potek p	inpo	Anbotek	Anbore	VK No	rek Anbot	Se b
99%	110.1~205	0.47	0.58	0.50	0.37	0.54	0.815	1.63
Anboten		Anborek	Anbors		Hek Ar	poter A	porek .	Anbotek
Anbores	Ana	Anbotel	, Aupo,	rek by	obotek	Anbotes	Ann	Anborek
Stand-by	110.1~205	0.26	0.22	0.75	0.38	0.39	0.815	1.63
C ARE		P	400		Die.	Ofer	VUDO	-



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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement

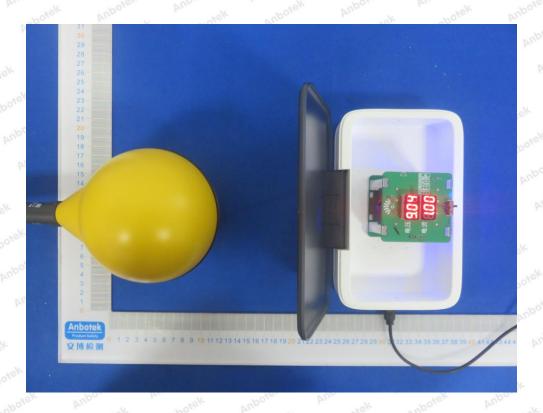




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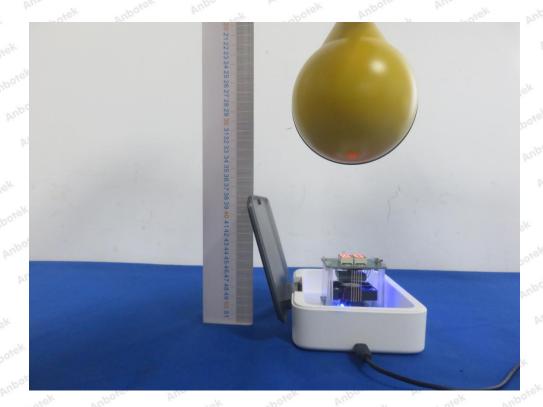




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