

Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 1 of 13

FCC TEST REPORT

Client Name : Shenzhen Three Bees E-Commerce Co., Ltd.

Address Building A, Jianjin Industrial Park Donghuan 2nd Road,

Longhua Street Shenzhen China 518000

Product Name : Fast Wireless Charging Pad

Date : Oct. 21, 2020

Shenzhen Anbotek

Compliance

Anbotek

Product Safesty

Approved*

Laboratory Limited



Page 2 of 13 Report No.: 18220WC00128702 FCC ID: 2AXMG-U7

Contents

1. (eneral Information	4
	1.1. Client Information	4
	1.2. Description of Device (EUT)	4
	1.3. Auxiliary Equipment Used During Test	5
	1.4. Test Equipment List	5
	1.5. Measurement Uncertainty	5
	1.6. Description of Test Facility	5
2. N	easurement and Result	6
	2.1. Requirements	6
	2.2. Test Setup	7
	2.3. Test Procedure	7
	2.4. Test Result	7
	2.4.1. Equipment Approval Considerations item 5.b of KDB 680106 D01 v03	7
	2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.130	7(b)
	1.1310	9
ΑP	ENDIX I TEST SETUP PHOTOGRAPH	11



Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 3 of 13

TEST REPORT

Applicant : Shenzhen Three Bees E-Commerce Co., Ltd.

Manufacturer : Shenzhen USV Technology Co., Ltd.

Product Name : Fast Wireless Charging Pad

Model No. : U7

Trade Mark : NANAMI

Rating(s) Input: AC 120V, 60Hz for adapter, 2A

Output: 5W, 7.5W,10W,15W

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	Sept. 02, 2020
Date of Test	Sept. 02~22, 2020
Prepared By	Yilia Zhong
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Reviewer	ek Anbore Anborek Anborek Anbore
	(Supervisor / Bibo Zhang)
	King Kong Jin
Approved & Authorized Signer	An John Andrew
	(Manager / Kingkong Jin)

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Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 4 of 13

1. General Information

1.1. Client Information

- np	- V 10, W, 10, W 10,
Applicant	: Shenzhen Three Bees E-Commerce Co., Ltd.
Address	Building A, Jianjin Industrial Park Donghuan 2nd Road, Longhua Street Shenzhen China 518000
Manufacturer	: Shenzhen USV Technology Co., Ltd.
Address	7th Floor, Building C4, Hengfeng Industrial City, Xixiang Street, Baoan District, Shenzhen
Factory	: Shenzhen USV Technology Co., Ltd.
Address	7th Floor, Building C4, Hengfeng Industrial City, Xixiang Street, Baoan District, Shenzhen

1.2. Description of Device (EUT)

Product Name	:	Fast Wireless Charging Pa	d Anbotek Anbotek Anbotek Anbote
Model No.	:	U7 Anbotek Anb	otek Anbotek Anbotek Anboten Ant
Trade Mark	:	NANAMI	Tuposek Viposek Viposek Viposek
Test Power Supply	:	AC 120V, 60Hz for adapter	Anbotek Anbotek Anbotek Anbotek
Test Sample No.	:	1-2-1(Normal Sample), 1-2	2-1(Engineering Sample)
		Operation Frequency:	110.1-205KHz
Product		Modulation Type:	MSK
Description	•	Antenna Type:	Inductive loop coil Antenna
		Antenna Gain(Peak):	0 dBinbotek Anbotek Anbotek Anbotek

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



Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 5 of 13

1.3. Auxiliary Equipment Used During Test

Adapter : M/N: A2013 Input: 100-240V-0.7A 50-60Hz

Output: 3.6-5.5V 3A / 6.5-9V 2A / 9-12V 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
į.	2	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
	3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	wek.
		Ur = 3.8 dB (Vertical)	, te
		otek Anbotek Anbotek Anbotek Anbotek	Anbo
Conduction Uncertainty	:	Uc = 3.4 dB	VUIC

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 30, 2020.

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, September 30, 2020.

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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Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 6 of 13

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
- 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/cm ²)	Averaging time (minutes)
	(A) Limits for Occ	cupational/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	I	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	I	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).

Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-a

Hotline

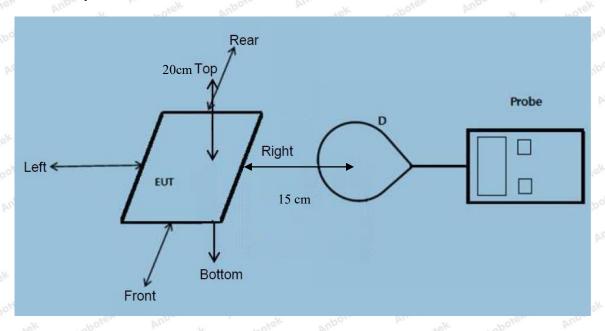
Hotline 400-003-0500 www.anbotek.com

^{*=}Plane-wave equivalent power density



Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 7 of 13

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 15W.

Shenzhen Anbotek Compliance Laboratory Limited





Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 8 of 13

- 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 transmission system comprising a charging system with only one primary coils will only detect and allow between a single coil pair.
- 4) Client device is inserted in or placed directly in contact with the transmitter
 - Client device is placed directly in contact with the transmitter.
- Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)
 - The EUT is a Mobile Power Pack with Wireless Charger.
- 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



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
1120	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	ek A anb	otek B M	С	Dek	ALE OF BE	(V/m)	(V/m)
lek Mup,	Plen Yup	otek p	nbotek	Aupor	principolek	Aupose	Y NO	lek b
1%	110.1~205	0.73	0.3	0.63	0.58	0.69	307	614
nbotek		Anbotek	Anbotek	Anbor	rek bi	potek	rupoten VL	p- wotek
anbotek.	Anbore	Vur Potel	Anbot	Sk VUP	stek h	anbotek	Aupole	Ans botel
50%	110.1~205	1.5	1.83	1.44	1.21	1.82	307	614
ek upc		K Anu	work	Anbotek	Mupo,	Ar. nbote	Anbore	K And
sek by	botek Ani	ole. b	hotek	Anbotek	Vupo.	FK 20	otek Aupor	P
99%	110.1~205	2.52	2.97	2.45	2.35	2.62	307	614
Anboro		Anboten	Anbo	k Anbo	tek Vul	on b	abotek	Anboten
Anbor	an abotek	Anboren	Y VUDO	otek at	botek	Aupo, rek	anbotek .	Anboten
Stand-by	110.1~205	0.87	0.61	0.77	0.7	0.46	307	614
yk Aupo,		otek Ar	poter	inb. otek	anbotek	Anbore	ok whole	lk by



Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 10 of 13

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

195	a original re	PUL.	Sarraning th	Anbo.		sel-	abote A	Oh.
Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
200-	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	Α	otek B A	hote C	Aup Dek	Entotek	(A/m)	(A/m)
ek Ank	otek Anbe	*ek	nbotek	Anbore	Vunn Potek	Anbote	Aupo,	kek Pri
1%	110.1~205	0.33	0.59	0.69	0.37	0.43	0.815	1.63
botek.	Anbotek	Anbore	Air	Anbore	K Anb	work A	nbotek Ar	porc *ek
Andhotek	Anborek	Aupo	r nbo	ick Aut	ole V	botek	Anborek	Aupo.
50%	110.1~205	0.19	0.12	0.81	0.18	0.33	0.815	1.63
K Ano	stek Anboi	ek Anb	o. A	abotek	Anbote.	Anti	Anbotek	Ant
Vr. Vive	hotek Ar	potek F	upo,	Anbotek	Anbore	ok No	rek Anbot	S.F.
99%	110.1~205	0.17	0.08	0.22	0.30	0.28	0.815	1.63
Anbotek	Anbourgek	Anbotek	Anboro	ek ab	otek pr	poter A	loo otek	anbotek
Aupoten	And	Anbotel	Anbo	rek pi	obotek	Anboten	Anshotek	Anbore
Stand-by	110.1~205	0.67	0.31	0.68	0.68	0.07	0.815	1.63
k Anbo	ton Vupo	otek k	abotek	Anbore	An	Anbotek	Anbo	J

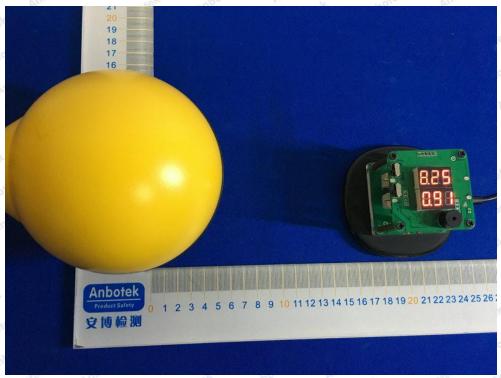
Note: (1)All the situation(full load, half load and empty load) has been tested, only the worst situation (full load, Wireless Output: 15W) was recorded in the report.



Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 11 of 13

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement

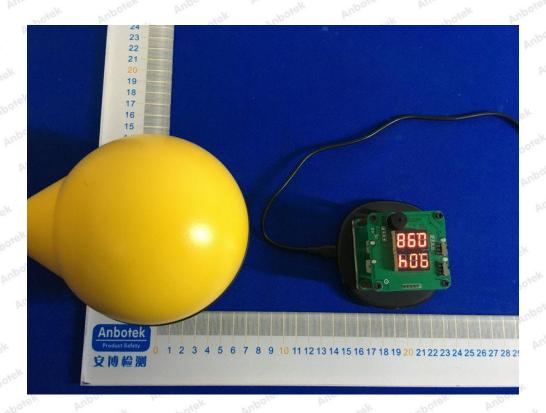




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Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 12 of 13

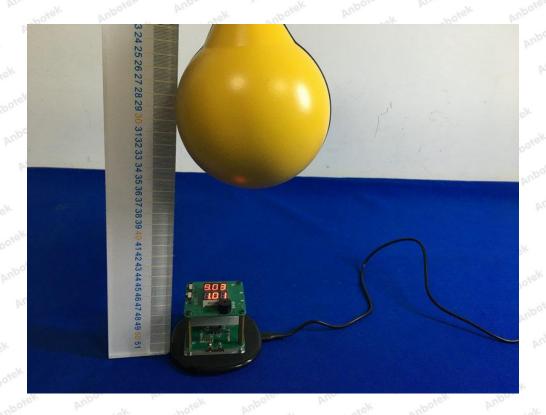




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Report No.: 18220WC00128702 FCC ID: 2AXMG-U7 Page 13 of 13



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