

 Report No.: 18220WC00128102
 FCC ID: 2AXMG-M220
 Page 1 of 13

FCC TEST REPORT

Anbor Ant Toolek D. Anbore Ant Ant
Shenzhen Three Bees E-Commerce Co., Ltd.
Building A, Jianjin Industrial Park Donghuan 2nd Road, Longhua Street Shenzhen China 518000
: Fast Wireless Charging Stand

Date : Oct. 21, 2020



Shenzhen Anbotek Compliance Laboratory Limited

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TEST REPORT

Applicant	Shenzhen Three Bees E-Commerce Co., Ltd.
Manufacturer	Shenzhen Green Fish Technology Co., Ltd.
Product Name	East Wireless Charging Stand
Model No.	: M220
Trade Mark	: NANAMI
Rating(s)	Input: AC 120V, 60Hz for adapter, 2A Output: 5W, 7.5W, 10W, 15W
Test Standard(s)	ECC Part 1 1310 1 1307(b)

Test Method(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 Date of Test

Prepared By

Reviewer

Sept. 02, 2020 Sept. 02~22, 2020

Tilia Zhong

(Engineer / Yilia Zhong)

Bibs Thank

(Supervisor / Bibo Zhang)

Kinak JIN

(Manager / Kingkong Jin)

Shenzhen Anbotek Compliance Laboratory Limited

Approved & Authorized Signer

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com Code:AB-RF-05-a



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1. General Information

1.1. Client Information

Applicant	Shenzhen Three Bees E-Commerce Co., Ltd.
Address	Building A, Jianjin Industrial Park Donghuan 2nd Road, Longhua Street Shenzhen China 518000
Manufacturer	Shenzhen Green Fish Technology Co., Ltd.
Address	Floor 6 Building C NO.9 East area of Shangxue Science and Technology Park,jihua Road, Bantina Town, Longgang District Shenzhen,china
Factory	Shenzhen Green Fish Technology Co., Ltd.
Address	Floor 6 Building C NO.9 East area of Shangxue Science and Technology Park,jihua Road, Bantina Town, Longgang District Shenzhen,china

1.2. Description of Device (EUT)

:	Fast Wireless Charging Sta	and Anborek Anborek Anborek Anborek Anbore
:	M220	otek Anbotek Anbotek Anbotek Anbotek
:	NANAMI	nbotek Anbotek Anbotek Anbotek
:	AC 120V, 60Hz for adapter	Anbotek Anbotek Anbotek Anbotek
:	1-2-1(Normal Sample), 1-2	-1(Engineering Sample)
	Operation Frequency:	110.1-205KHz
	Modulation Type:	MSK
:	Antenna Type:	Inductive loop coil Antenna
	Antenna Gain(Peak):	0 dBi abotek Anbotek Anbotek Anbotek
	:	 M220 NANAMI AC 120V, 60Hz for adapter 1-2-1(Normal Sample), 1-2 Operation Frequency: Modulation Type: Antenna Type:

or the User's Manual.

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1.3. Auxiliary Equipment Used During Test

Adapter	:	M/N: A2013	Anbotek	Anbo	botek	Anbore	Americk
		Input: 100-240V-	0.7A 50-60	Hz Anbote			
		Output: 3.6-5.5V	/== 3A / 6.5	5-9V== 2A/9	9-12V== 1.5A	botek	Anborc

1.4. Test Equipment List

20	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Þ.1	1 1 Inte	Magnetic field meter	NARDA	ELT-400	423623	Dec. 23, 2019	1 Year
	2	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
14	3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	Anbo, P	nbotek I	Anbote,
		Ur = 3.8 dB (Vertical)	Anbu	h hnbotek	Anbore
		alk abotek Anbote	Anburgter	Anbotek	Anbois
Conduction Uncertainty	:	Uc = 3.4 dB	ofen bup	tek Anbote	k Aupor

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.

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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.

requency range Electric field strength (MHz) (V/m)		cy range Electric field strength Hz) (V/m) (A/m)		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
	(B) Limits for Genera	I 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	1.0	30

Limits For Maximum Permissible Exposure (MPE)

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).

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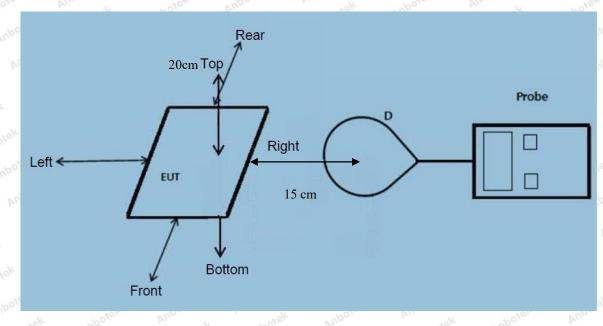
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2.2. Test Setup



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 15W.

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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 transmission system comprising a charging system with only two 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.
- 5) 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

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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

100 geo.	DUL	*eM		No.	NL.	100 ¹ 01	702	*0K
Battery	Frequency	Test	Test	👌 Test 💦	Test	Test	Reference	Limits
DUL	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A A	ot ^{ek} B pi	С	D	AIE oten	(V/m)	(V/m)
stek Anb	oten Aupo	otek p	nbotek	Anbon	Autobotek	Anborr	Aug Mo	lek An
1%	110.1~205	0.4	0.28	0.13	0.3	0.78	307	614
abotek	Anboten	Anu hotek	Anbotek	Anbo	Jok Not	potek	inbote. Ar	hotek
h. nbotek	Anbore	Ans	Anbot	and And	stek h	Anbotek	Anboro	Ansbotek
50%	110.1~205	1.45	1.84	1.33	1.81	1.3	307	614
lek popo	tek Anbor	Ann	hotek	Anbotek	Anbo	hanbote	Anbore	Ann
stek h	totek An	pore A	botek	Anbotek	Anbo	ek nab	otek Anbot	PUL PUL
99%	110.1~205	2.11	2.26	2.66	2.1	2.52	307	614
Anbor	Aunobotek	Anboten	And	K Anbr	rek Ant	you p	abotek	Anboten
Anbo	Anbotek	Anboten	Anu L	otek A	tootek	Anbo	nbotek	Anborer
Stand-by	110.1~205	0.01	0.47	0.89	0.71	0.49	307	614
ak Aupo	stek sab	otek Ar	pote.	hotek	Anbotek	Anbo	tek phote	K Ant

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Battery power	Frequency Range	Test Position	Test Position	Test Position	Test Position	Test Position	Reference Limit	Limits Test
Anbore	(KHz)	A	otek B P	Noor C	Dek	Anboten	(A/m)	(A/m)
iek Ank	otek Anb	-tek	nbotek	Anbore	Anthotek	Anbote	Anbu	ek K
1%	110.1~205	0.35	0.07	0.27	0.13	0.22	0.815	1.63
Lotek	Anbotek	Anbor	Altobotek	Anbote	K Ano	wotek p	nbotek Ar	bor *ek
Ann hotek	Anbotek	Anbo	K nibo	iek Ant	A Vot	hotek	Anbotek	Anbo
50%	110.1~205	0.14	0.63	0.53	0.10	0.33	0.815	1.63
And	ptek Anboi	ek Anb	A Her	abotek	Anboten	And	Anbotek	Ant
An	hotek Ar	potek F	nbo.	Anbotek.	Anbore	Arras no	rek Anbot	6M 1
99%	110.1~205	0.47	0.02	0.40	0.71	0.56	0.815	1.63
Anboten	Andrek	Anbotek	Aupor	ek sto	stek Ar	poter Ar	Lotek	anbotek
Anboten	Ann hotek	Anbotel	Aupo	-tek	obotek	Anboto	Anthotok	Anbote
Stand-by	110.1~205	0.42	0.64	0.46	0.81	0.27	0.815	1.63
4 Anbo	ten Anoc	40K	abotek	Anbors	Al. hotek	Anboten	Aupa	14

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

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.

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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement





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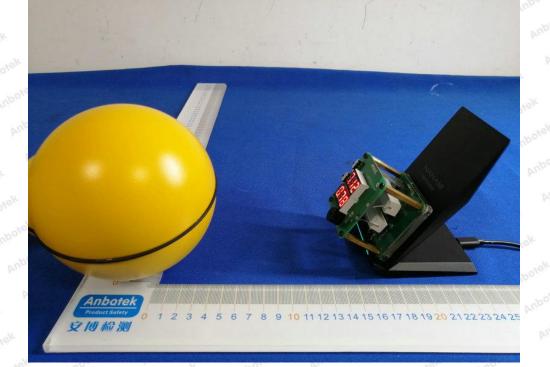
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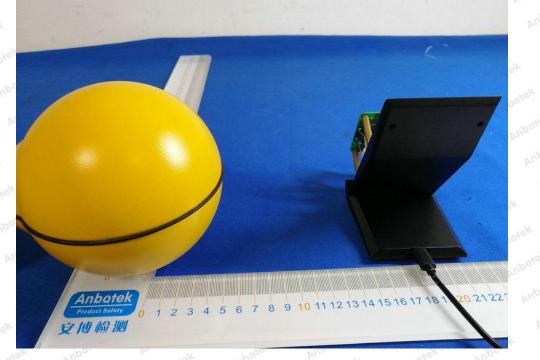
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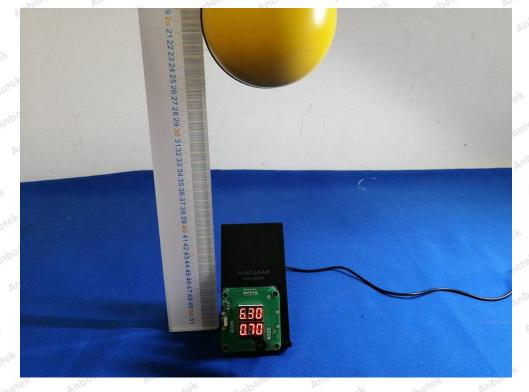
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