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FCC TEST REPORT

Client Name : Forward Industries

Address 105 South Narcissus Avenue, Suite 412, West Palm

Beach, FL 33401, USA

Product Name : Side Table

Date : Jul. 28, 2020

Shenzhen Anbotek Compliant Laboratory Limited



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TEST REPORT

Applicant : Forward Industries

Manufacturer : DG BLUEMAN TECHNOLOGY CO., LTD.

Product Name : Side Table

Model No. : KBBM1115, KBBM1116, KBBM1117

Trade Mark : N.A.

Input: DC 12V, 2A (via adapter input: AC 100-240V, 50/60Hz; output: DC 12V,

Rating(s) : 2A)

Wireless Output: 5W 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	Jul. 02, 2020
Date of Test	Jul. 02~17, 2020
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Approved & Authorized Signer	Tun VK Potsk Vupo, W.
	(Manager / Tom Chen)

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1. General Information

1.1. Client Information

Applicant	Forward Industries
Address	: 105 South Narcissus Avenue, Suite 412, West Palm Beach, FL 33401, USA
Manufacturer	: DG BLUEMAN TECHNOLOGY CO., LTD.
Address	Room 101, No.5, Shunxing Five Road, Dajingtou, Dalang Town, Dongguan City, Guangdong Province
Factory	: DG BLUEMAN TECHNOLOGY CO., LTD.
Address	Room 101, No.5, Shunxing Five Road, Dajingtou, Dalang Town, Dongguan City, Guangdong Province

1.2. Description of Device (EUT)

Product Name	:	Side Table	tek Anbotek Anbotek Anbotek Anbot
Model No.	:	70, Di.	KBBM1117 ne inside structure and PCBA except the prepare "KBBM1117" for test only).
Trade Mark	:	N.A.	Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V, 60Hz for adapt	er Anbotek Anbotek Anbotek Anbote
Test Sample No.	:	1-2-1(Normal Sample), 1	-2-1(Engineering Sample)
		Operation Frequency:	BT: 2402~2480MHz Wireless charger: 110.1-205KHz
		Transfer Rate:	BT: 1/2/3 Mbits/s
Product		Number of Channel:	BT: 79 Channels
Description		Modulation Type:	BT: GFSK, л/4-DQPSK, 8-DPSK Wireless charger: ASK
	Antenna Type:		BT: PCB Antenna Wireless charger: Inductive loop coil Antenna
		Antenna Gain(Peak):	BT: 0.5 dBi Wireless charger: 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 A	: Manufacturer: DONG GUAN HP-POWER TECHNOLOGY., LIMTED
	M/N: HP24E-1202000-AU Input: 100-240V~ 50/60Hz, 0.8A Output: DC 12V, 2000mA
Adapter B	: Manufacturer: SHENZHEN FUJIA APPLIANCE CO., LTD.
	M/N: FJ-SW126G1202000U Input: 100-240V~ 50/60Hz, 0.6A Max Output: DC 12V, 2000mA
Adapter C	: Manufacturer: Dong Guan City GangQi Electronic Co., Ltd.
	M/N: GQ24-120200-AU Input: 100-240V~ 50/60Hz, 1.0A Max Output: DC 12V, 2.0A

1.4. Test Equipment List

Item	Equipment	Equipment Manufacturer		Serial No.	Last Cal.	Cal. Interval
, 1 P	Magnetic field meter	NARDA	ELT-400	423623	Dec. 23, 2019	1 Year
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 (I	Horizontal)	boye Wir	thotek A	nbotek	Aupo
		Ur = 3.8 dB (\	Vertical)	Yupo, stek	anbotek	Anbore, ok	And
C		Andhotek	Anbotek	Anbo.	, upotek	Anbore	K bi
Conduction Uncertainty	:	Uc = 3.4 dB	Anbotek	Ando	anbotel	Aupore	*ek



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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 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	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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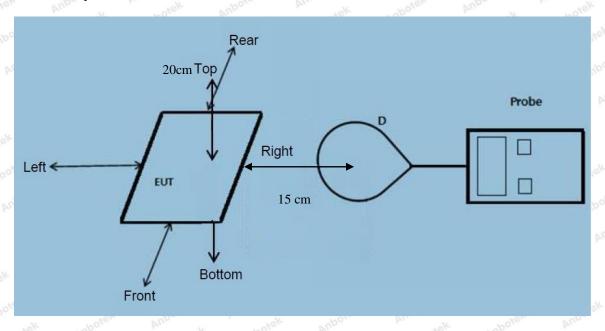
Hotline 400-003-0500 www.anbotek.com

^{*=}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 5W.

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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.
- Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)
 - The EUT is a Mobile Power Pack with Side Table
- 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	Dok	AL BOYER	(V/m)	(V/m)
lek Wup,	Pupp Yupp	otek p	nbotek	Aupor	printpolek	Anbore	Y VO	ek c
1%	110.1~205	0.40	0.38	0.32	0.51	0.98	307	614
nbotek		Anbotek	Anbotek	Anbor	rek bi	potek	rupoten VL	
anbotek.	Anbore	Vur Potel	Anbot	Sk Aup	stek h	anbotek	Aupole	Ann
50%	110.1~205	1.37	1.56	1.23	1.44	1.55	307	614
ek upc		er And	worek.	Anbotek	Aupor	Ar.	Anboren	
rek ba	ipotek Ani	ole. b	hotek	Anbotek	Vupo.	ek sup	otek Anbor	P
99%	110.1~205	2.34	2.59	2.41	2.48	2.60	307	614
Anboro		Anbotek	Anbo	k Anbo	tek Vul	or p	abotek	
Anbor	anbotek.	Anboren	ok Pup	otek a	botek	Anbo. rek	Par upotek	Anbore
Stand-by	110.1~205	0.42	0.35	0.78	0.44	0.57	307	614
ik Vupo,		otek Ar	poter	inb. otek	anbotek	Anboro	ok bote	



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

Battery power	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)
ek Ant	lotek Yupe	Tek bu	nbotek	Anbore	Ann	Anbote	Aupo.	ek P
1%	110.1~205	0.043	0.058	0.042	0.049	0.065	0.815	1.63
	Anbotek	Aupor	Air	Anbote	K Ano.	work p	obotek Ar	por
Andhotek	Anborek	Aupo	k 2000	lek bup	Ole b	hotek	Anbotek	Vupo.
50%	110.1~205	0.26	0.54	0.30	0.47	0.41	0.815	1.63
	otek Anbo	ek Aup	o. A	abotek	Anbote	Andhorek	Anbotek	An
VK AME	Potek Vi	potek I	upo.	nbotek	Anbore	Y Vun	rek Anbol	SIL
99%	110.1~205	0.39	0.56	0.56	0.38	0.52	0.815	1.63
	Anbacotek	Anbotek	Anbor	ek wp	otek Ar	poter A	rotek.	anbotek
Anboren	Ando	Anbotel	Aupo	*OK	obotek	Anborek	Androyek	Anbore
Stand-by	110.1~205	0.28	0.29	0.73	0.34	0.38	0.815	1.63
	ten Aupo	*ek	botek	Anboro	bu.	Anbotek	Alupa M	J.

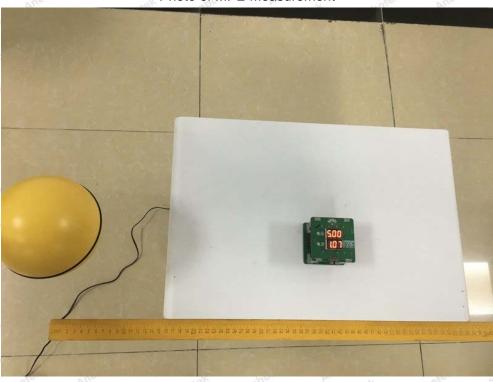
Note: All the situation(adapter a, adapter b and adapter c) has been tested, only the worst situation (adapter a) was recorded in the report.

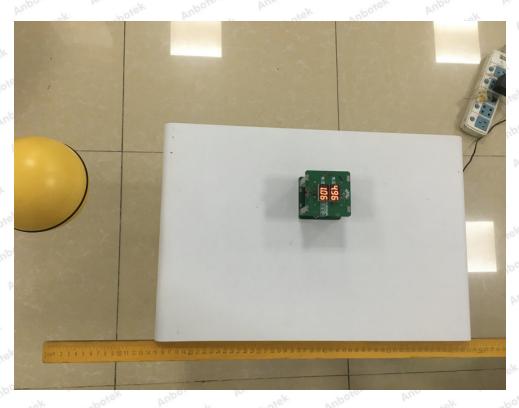


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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement

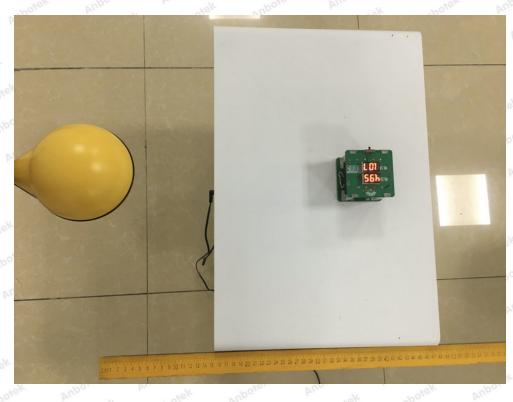


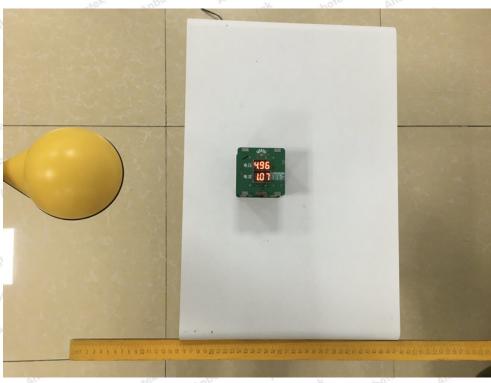


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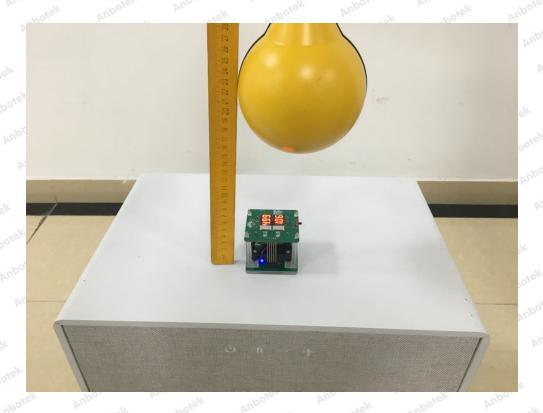




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