

 Report No.: 18220WC10166803
 FCC ID: 2AL7B-OZ-D5
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FCC TEST REPORT

Client Name	hbotek P	Shenzhen Welldy Technology Co., Limited
Address	Anbotek Anbotek	4F, C Block Yili Technology Park, Guanhu Street, Longhua District , Shenzhen, China

- Product Name : Bluetooth Speaker
- Date : Aug. 12, 2021



Shenzhen Anbotek Compliance Laboratory Limited

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TEST REPORT

Applicant	: Shenzhen Welldy Technology Co., Limited
Manufacturer	: Shenzhen Welldy Technology Co., Limited
Product Name	: Bluetooth Speaker
Model No.	: OZ-D5
Trade Mark	ier N.A hobotek Anbotek Anbotek Anbotek Anbotek Anbo
Rating(s)	Input: DC 5V, 1A (with DC 3.7V, 800mAh Battery inside) Output: 5W, 7.5W, 10W, 15W
Toot Standard(a)	Anbotek Anbore An Anbotek Anbotek Anbotek Anbotek

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

Date of Test

Prepared By

Jul. 26, 2021 Jul. 26 ~ Aug. 11, 2021

Ella siane

(Ella Liang)

Kingkungjin

(Kingkong Jin)

Approved & Authorized Signer

Shenzhen Anbotek Compliance Laboratory Limited

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1. General Information

1.1. Client Information

Applicant	: Shenzhen Welldy Technology Co., Limited
Address	4F, C Block Yili Technology Park, Guanhu Street, Longhua District , Shenzhen, China
Manufacturer	: Shenzhen Welldy Technology Co., Limited
Address	4F, C Block Yili Technology Park, Guanhu Street, Longhua District , Shenzhen, China
Factory	: Shenzhen Welldy Technology Co., Limited
Address	4F, C Block Yili Technology Park, Guanhu Street, Longhua District , Shenzhen, China

1.2. Description of Device (EUT)

Product Name	: Bluetooth Speaker	
Model No.	: OZ-D5	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	: N.A Model Model	Anbotek Anboro atek Anbotek Anbo
Test Power Supply	AC 120V, 60Hz for adapter /	AC 240V, 60Hz for adapter
Test Sample No.	: 1-2-1(Normal Sample), 1-2-2	(Engineering Sample)
	Operation Frequency:	BDR+EDR: 2402-2480MHz WPT: 110.1-205KHz
Product	Modulation Type:	GFSK, π/4-DQPSK, 8-DPSK WPT: ASK
Description	Antenna Type:	BDR+EDR: PCB Antenna WPT: Inductive loop coil Antenna
	Antenna Gain(Peak):	BDR+EDR: -0.58 dBi

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1.3. Auxiliary Equipment Used During Test

Adapter	: M/N: A2023
	Input: AC 100-240V 0.7A 50-60Hz
	USB1 Output: DC 5V 2.4A
6	USB2 Output: DC 5V 2.4A
Wireless charging	: Manufacturer: Shenzhen Ouju Technology Co., Ltd.
load	M/N: CD2531
	Power: 5W/7.5W/10W/15W
	Last Cal.: Oct. 26, 2020
	Cal. Interval: 1 Year

1.4. Test Equipment List

Item	Equipment	Equipment Manufacturer Model No. Serial No.				Cal. Interval	
nbtel	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	3 Year	
2,00	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2020	3 Year	
3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2020	3 Year	

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)	Anbotek	Anbort A	abotek
		Ur = 3.8 dB (Vertical)	Anbotek	Anbo. stek	Anbotek
Conduction Uncertainty	:	Uc = 3.4 dB	Anbotek	Anbu	Anbotek

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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 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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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.

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	1	1	<mark>f</mark> /300	6
1500-100,000	1	1	5	6
	(B) Limits for Genera	I Population/Uncontrolle	ed Exposure	

Limits For Maximum Permissible Exposure (MPE)

*(100) 0.3-1.34 614 1.63 30 *(180/f²) 1.34-30 824/f 2.19/f 30 30-300 27.5 0.073 0.2 30 1 1 300-1500 f/1500 30 1500-100,000 1 1.0 30

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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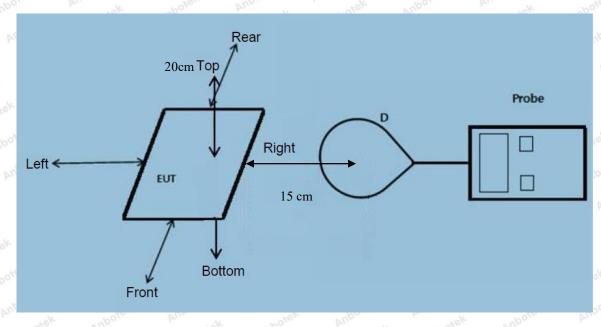
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Anbotek Product Safety

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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 transfer system including a charging system with only single primary coils is to detect and allow only between individual pairs of coils.

- 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 exposure conditions

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.

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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:	22.5°C	Relative Humidity:	49 %
Pressure:	1012 hPa	Test Voltage:	AC 120V, 60Hz

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

			-	101	- 0Y		1	1241
Dettern Anbr	Frequency	Test	Test	Test	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	Botek	Cibote	D	otek E	(V/m)	(V/m)
Annobotek	Anboten	Anby	Anboth	JK Anbo	rek bi	abotek	Anboter	Anburgek
1%	110.1-205	0.36	0.45	0.40	0.41	0.53	307	614
ek abo	rek Anborr	And And	Hotek	nbotek	Anbor	All	Anboten	And
nek pri	botek Ant	oter pr	wotek	Anbotek	Anbo,	K sto	tek Anbote	K Ann
50%	110.1-205	1.40	1.84	1.33	1.46	1.63	307	614
Anboro	Allabotek	Anboten	Anbo	e anbo	lek Anb	ore pr	abotek	unboter v
Anbor	A. obotek	Anboten	Ano	otek ar	potek I	inpo, vek	Antobotek	Anboten
99%	110.1-205	2.49	2.89	2.50	2.45	2.91	307	614
lek Aupo	And An	ptek An	poten p	nbountek	Anbotek	Anbore	ek pote	5 Antos
botek An	bound build	Abotek.	Anboten	Anotek	Anbote	Anbo	all yes	stek p
Stand-by	110.1-205	0.44	0.59	0.43	0.42	0.56	307	614
Anbotek	Anbore	An	Anbotel	Anbo	otek p	nbotek	Anbort P	abotek

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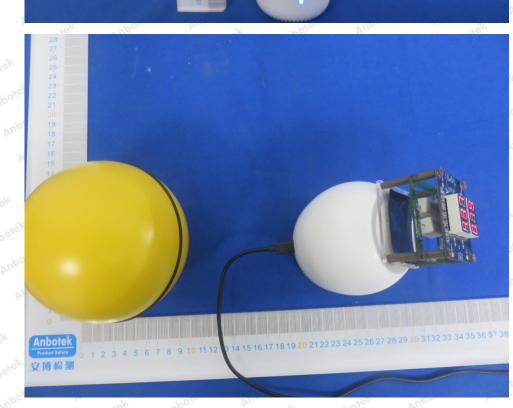
Battery power	Frequency Range (KHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
stek Anbo	ptek Anbo	rek pr	obotek	Anboton	Andhotek	Anbotek	Aupo	14- Par
1%	110.1-205	0.028	0.050	0.056	0.040	0.050	0.815	1.63
notek		Anboi		Anboter	K AND	otek An	potek Ant	er.
Anushotek	Anbotek	Anbo	P.'.	anbo	to. An	Lotek	Anbotek	inbo. tek
50%	110.1-205	0.29	0.38	0.28	0.28	0.45	0.815	1.63
And		Anbc		obotek	Anboten	Andhotek	Anbotek	Anbo
K Ann	Lotek Ant	lotek Al	100.	abotek	Anbore	K Lot	k Anbote	e Pic
99%	110.1-205	0.43	0.61	0.50	0.32	0.31	0.815	1.63
Anboten		Anbotek		K	ek Anb	ofer Ant	Lotek A	nbotek
Anboren	Antoshotek	Anbotek	Anbor	Jek n	potek I	nboten	unu hotek	Anbotek
Stand-by	110.1-205	0.48	0.30	0.40	0.52	0.38	0.815	1.63
ek Anbol		stek pp		nbor	Anobotek	Anboten	And	ant

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

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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement

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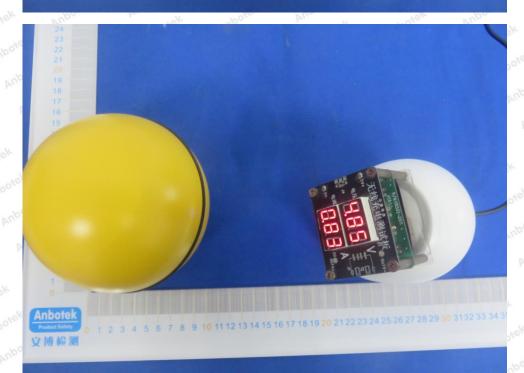
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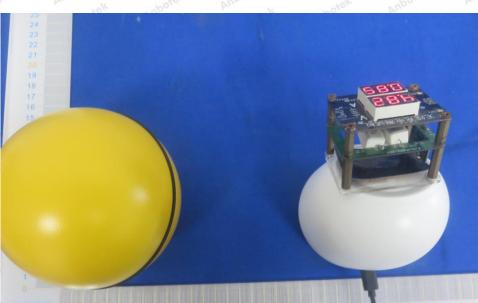
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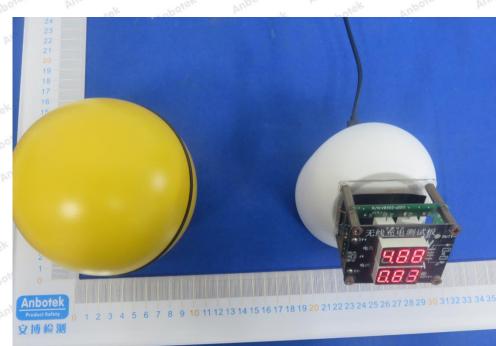
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