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FCC TEST REPORT

Client Name : WICKED AUDIO, INC

Address 875 WEST 325 NORTH, LINDON UT, United States,

84042

Product Name : True wireless earbuds Charger

Date : Jul. , 2019

Shenzhen Anbotek Compliance Laboratory Limited



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TEST REPORT

Applicant : WICKED AUDIO, INC

Manufacturer : GUANGZHOU HAVIT TECHNOLOGY CO., LTD

Product Name : True wireless earbuds Charger

Model No. : WI-TW3950, WI-TW395X, WI-TW3951, WI-TW3952, WI-TW3953,

WI-TW3954, WI-TW3955

Trade Mark : Wicked Audio

Rating(s) Input: DC 5V, 1A(with DC 3.7V, 2200 mAh Battery inside)

USB Output: DC 5V, 1A

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

Jun. 25, 2019

Jun. 25~Jul. 23, 2019

We have

(Engineer / Dolly Mo)

Showly Meng

Reviewer

(Supervisor / Snowy Meng)

Sally Lang

(Manager / Sally Zhang)

Shenzhen Anbotek Compliance Laboratory Limited





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1. General Information

1.1. Client Information

. 05	
Applicant	: WICKED AUDIO, INC
Address	875 WEST 325 NORTH, LINDON UT, United States, 84042
Manufacturer	: GUANGZHOU HAVIT TECHNOLOGY CO., LTD
Address	Rms1307, Poly World Trade Center, Phase2, 1000 Xingang East Rd, Haizhu Guangzhou
Factory	GUANGZHOU HAVIT TECHNOLOGY CO., LTD
Address	Rms1307, Poly World Trade Center, Phase2, 1000 Xingang East Rd, Haizhu Guangzhou

1.2. Description of Device (EUT)

Product Name	:	True wireless earbuds Charge	t tek Anbotek Anbotek Anbotek
Model No.	:	WI-TW3954, WI-TW3955	TW3951,WI-TW3952, WI-TW3953, ne except the model name , so we prepare
Trade Mark	:	Wicked Audio	stek Anbotek Anbotek Anbotek
Test Power Supply	:	DC 3.7V Battery inside	hbotek Anbotek Anbotek Anbotek
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(E	Engineering Sample)
3		Operation Frequency:	110.1~205KHz
Product		Modulation Type:	FSK Anbotek Anbotek
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: ZTE
0		M/N: STC-A2050I1000USBA-C
4		S/N: 201202102100876
		Input: 100-240V~ 50/60Hz, 0.3A
		Output: DC 5V, 1000mA
Wireless Charging Power Bank	:	Model: MC-018

1.4. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1 ^{Ant}	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	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. 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, 2018.

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

Hotline 400-003-050



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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	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

*=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).

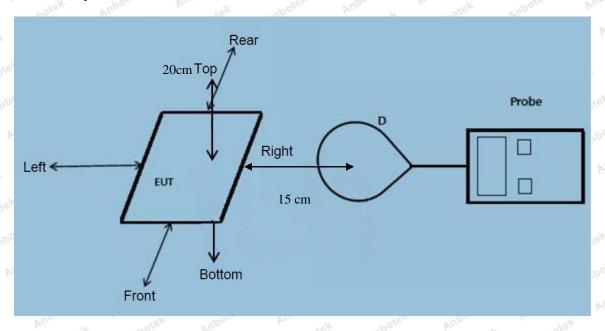


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2.2. Test Setup



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.

Shenzhen Anbotek Compliance Laboratory Limited

Code: AB-RF-05-a

Hotline

Hotline 400-003-0500



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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 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:	21.6°C	Relative Humidity:	52 %
Pressure:	1012 hPa	Test Voltage:	DC 3.7V Battery inside

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

	AN O NO	N		6.40	-07	, AL	O*	Deg.
Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
V. V.	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	Brek	C	D'in about	tek E An	(V/m)	(V/m)
Anbotek	Anboten	Annahotek	Anbotek	Anbot	Tek Bu	botek	Anboten A	Upo Potek
1%	110.1~205	0.36	0.43	0.0.44	0.38	0.75	307	614
k abote		K Anbo	otek v	botek	Aupore	And	Anbotek	Anbo
rek pr	jotek Anbr	ye. Yu,	wotek	Anbotek	Aupor	NI.	ek Anboten	Anb
50%	110.1~205	1.37	1.74	1.29	1.07	1.39	otek 307 Anbo	614
upor		Anboten	Anberotek	Anbote	k Vupc	re Yu	hotek A	Potek
Anboratek	Anbotek	Anbotek	k No	lek Ant	otek A	Poc	anotek apotek	Anbotek
99%	110.1~205	1.59	1.95	2.43	2.53	2.24	307	614
Anbore		lek Aut	ofer A	locatek	Anbotek	Aupore	k Ann botek	Anbr
tek Anb	or by	botek	inpose, K	Anb	Anbotek	Anbot	rok Pur	ek A
Stand-by	110.1~205	0.42	0.77	0.51	0.46	0.45	307	614
Anbotek	Anboro	Am	Anbotek	Aupo	Vek V.	potek	inpose. Vi	- hotek



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

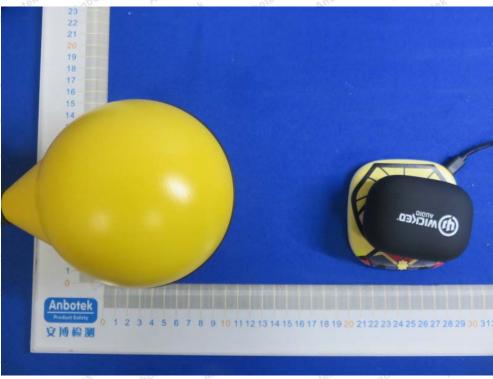
F. 15.		104	0		260	400		
Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
- 14	Range	Position	Position	Position	Position	Position	otek Limit And	Test
power	(KHz)	Aut A	A B	CAmbot	ek D Anb	E VIII	(A/m)	(A/m)
Anbo	Vupotek	Anbore	ek Vu	stek An	potek p	nbortek	nbotek	Anboten
1%	110.1~205	0.027	0.052	0.043	0.034	0.026	0.815	1.63
ek Anbo.	stek anbi	rek An'	poter P	notek	Anbotek	Anboro	An. abotek	Anb
noten An	otek k	obotek	Anbore	Andhotek	Anbotel	Aupor	tek upo	rek b
50%	110.1~205	0.26	0.43	0.42	0.27	0.16	0.815	1.63
Anbotek	Anbos	A. abotek	Anbote	-K And	otek A	abotek p	upore A	abotek
Anbotek	Aupo otek	Anbote	K Anbo	ice, Vu	notek	Anbotek	Anbot	Andotel
99%	110.1~205	0.32	0.29	0.27	0.34	0.26	0.815	1.63
otek Ant	lotek Anbo	otek A.	nbotek	Anbote.	Ann	Anbotel	Anbore	ek bu
abotek	Anbotek A	loc otek	Anbotek	Anbole	K And	iek Aupo	tek Anbo	16K
Stand-by	110.1~205	033	0.22	0.36	0.41	0.26	0.815	1.63
Ann	Anbotek	Aupor	k Wpo	rek Anb	ofer M	lo- crek	Anbotek	Anbore



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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement





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