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FCC TEST REPORT

Client Name : Shenzhen Lingyi Innovation Tech Co., Ltd.

Address 12 F, Block C, Central Avenue Building, Xixiang BLVD

West, Baoan District, Shenzhen, China

Product Name : Wireless charger

Date : Dec. 16, 2019

Shenzhen Anbotek Compliance Laboratory Limited



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TEST REPORT

Applicant Shenzhen Lingyi Innovation Tech Co., Ltd. Manufacturer Shenzhen Lingyi Innovation Tech Co., Ltd.

Product Name Wireless charger

Model No. AQ1005C, AQ1005L

PITAKA Trade Mark

Input: DC 15V, 3.5A

Typec-C Output: DC 5V, 3A or DC 9V, 2A or DC12V, 1.5A

Rating(s) Apple Watch Output: 5W

Wireless output 1: 5W or 7.5W or 10W

Wireless output 2: 5W

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 Nov. 30, 2019 Date of Test Nov. 30~Dec. 12, 2019 mo Prepared By Anbotek (Engineer / Dolly Mo) th Whana Approved * Reviewer (Supervisor / Bibo Zhang) Approved & Authorized Signer (Manager / Tom Chen)

Shenzhen Anbotek Compliance Laboratory Limited



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1. General Information

1.1. Client Information

Applicant	: Shenzhen Lingyi Innovation Tech Co., Ltd.	Aupo
тррпости	- Sherizhen Lingyi innovation rech Co., Ltd.	Aupo
Address	: 12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan Shenzhen, China	District,
Manufacturer	Shenzhen Lingyi Innovation Tech Co., Ltd.	hotek
Address	12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan Shenzhen, China	District,
Factory	Shenzhen Lingyi Innovation Tech Co., Ltd.	V Vupo,
Address	: 12 F, Block C, Central Avenue Building, Xixiang BLVD West, Baoan Shenzhen, China	District,

1.2. Description of Device (EUT)

Product Name	:	Wireless charger	k Anbotek Anbotek Anbotek Anbote
Model No.	:	AQ1005C, AQ1005L (Note: All samples are the "AQ1005C" for test only.)	same except the output port, so we prepare
Trade Mark	:	PITAKA www.ipitaka.com	Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V, 60Hz for adapted	k Aupoter, Vupotek Vupotek Vupo,
Test Sample No.	:	1-2-1(Normal Sample), 1-2	2-1(Engineering Sample)
1		Operation Frequency:	110.1-205KHz
Product Description		Modulation Type:	QI hotek Anborek Anborek Anborek
	•	Antenna Type:	Inductive loop coil Antenna
, c		Antenna Gain(Peak):	0 dBi Amborek Anborek Anborek

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	: Model: A653-15035001	Polek	Anbore	Arra
	Input:100-240V~50/60Hz 1.5A	Ans		Anbo
	Output: DC 15V, 3500mA			Anbore

1.4. Test Equipment List

9	Item	Equipment	Manufacturer Model No.		Serial No.	Last Cal.	Cal. Interval
×	1	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	1 Year
	2	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
V.	3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

1.5. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)
		Ur = 3.8 dB (Vertical)
		otek Anbotek Anbotek Anbotek Anbotet Anb
Conduction Uncertainty	:	Uc = 3.4 dB

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)

24.	760	-16 040	500	
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	ed 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).

Code:AB-RF-05-a

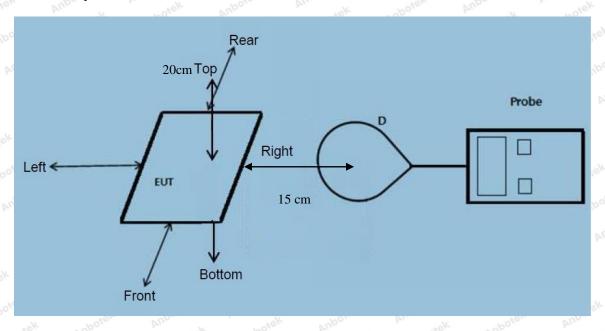
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^{*=}Plane-wave equivalent power density



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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 10W.

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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 1.1307(b), 1.1310

Temperature:	23.8°C	Relative Humidity:	54%
Pressure:	1012 hPa	Test Voltage:	AC 120V, 60Hz for adapter

Note: The two coils can only work with one coil at a time, and only the worst mode is recorded in the report.

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
power	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	B	Crek	D	ek E	(V/m)	(V/m)
Upo, otek	upotek	Anboro	Aur	Anbore	Anbo	otek b	inpotek Ar	pore.
1%	110.1~205	0.37	0.34	0.25	0.43	0.99	307	614
Anborratel	Anbotek	Anbote	OK AND	otek p	upotek	Anbore	Anbotek	Anboye.
Anbo.	rek nbot	ek Aup.	Ve. Du	hotek	Anbotek	Anbo	, upotek	Anbo
50%	110.1~205	1.52	1.36	1.28	1.32	1.50	307	614
botek A	ipois Vi	abotek	Anboten	Anoshotek	Anbot	ek Anb	or VIII	otek
Anbotek	Aupo,	Vupotek	Aupola	k bus	lek Pul	ootek p	Upo, by	anbotek
99%	110.1~205	2.22	2.11	2.13	2.24	2.05	307	614
Anborek	Anboro	k vipo	ek Ant	Ofer A	hotek	Anbotek	Anborratek	Vupo,
ak Anbo	er Anba	otek or	potek	rupoje.	Pur	Anboier	N William	ik an
Stand-by	110.1~205	0.43	0.37	0.78	0.46	0.59	307	614
botek	Anbotek	supo,	Anbotek	Anboten	ak ab	otek P.	botek Ant	o.

Code: AB-RF-05-a

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

*		6.17		N 101			030	17.
Dotton	Frequency	Test	Test	Test	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A A	otek B	C	Amba D	Amborek	(A/m)	(A/m)
rek Ant	Otek Mupe	atek K	knbotek.	Anbore	And	Anbote	Anbo	lek k
1%	110.1~205	0.045	0.050	0.049	0.043	0.062	0.815	1.63
potek	Anbotek	Anbore	Al. abotek	Anbore	ak Ano.	hotek p	nbotek Ar	por
And	Anbotek	Aupo	k vupo	lek Aut	O'C A	botek	Anborek	Anbo otek
50%	110.1~205	0.26	0.54	0.34	0.40	0.48	0.815	1.63
ok And	orek Anboi	lek Vup	D. B.	anbotek	Anbore.	Andhotek	Anbotek	Anbo
And	-botek Ar	poiek l	iupo otek	nbotek	Anbore	ok Pur	rek Anbot	Sk V
99%	110.1~205	0.43	0.52	0.55	0.37	0.54	0.815	1.63
	Anbootek	Anbotek	Anboro	ek vip	otek bu	poter A	hotek.	Anbotek
Aupore	Ann	Anbote	Vupe	dek be	obotek	Anbore	Am	Anbotek
Stand-by	110.1~205	0.25	0.16	0.30	0.34	0.36	0.815	1.63
ak Anbe	Hen Aupo	tek	abotek	Aupor	VI. Potek	Anboren	Ambo	SK 25
	1	KO. P	T	750	V 1.11		WO.	1000

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APPENDIX I -- TEST SETUP PHOTOGRAPH





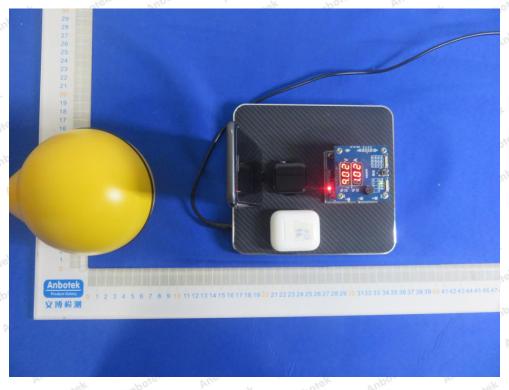


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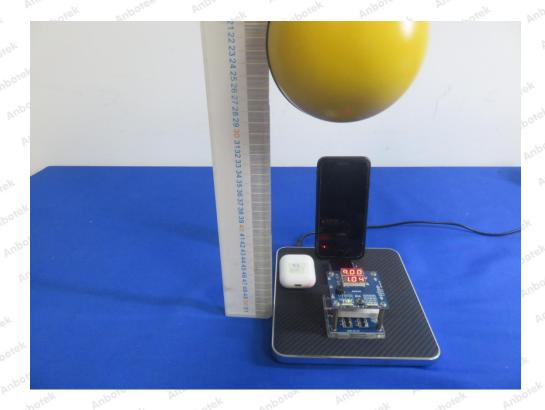
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