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FCC TEST REPORT

Client Name : Casetagram Limited

Address 11/F, Fun Tower, 35 Hung To Road KWUN TONG

KOWLOON HONG KONG

Product Name : Magnetic Wireless Charger

Date : Oct. 26, 2021

Shenzhen Anbotek Compliance Laboratory Limited
* Approved *



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TEST REPORT

Applicant : Casetagram Limited

Manufacturer : Casetagram Limited

Product Name : Magnetic Wireless Charger

Model No. : CTF-T-ATE-211686FREBLK

Trade Mark : CASETIFY

Rating(s) Input: DC 5V/1.5A, DC 9V, 2A, DC12V, 1.5A

Wireless output: 5W, 7.5W, 10W, 15W

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	Aug. 31, 2021
Date of Test	Aug. 31~ Sept. 28, 2021
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Approved & Authorized Signer	lingkongjin
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1. General Information

1.1. Client Information

Applicant	:	Casetagram Limited
Address	:	11/F, Fun Tower, 35 Hung To Road KWUN TONG KOWLOON HONG KONG
Manufacturer	:	Casetagram Limited
Address	:	11/F, Fun Tower, 35 Hung To Road KWUN TONG KOWLOON HONG KONG
Factory		Casetagram Limited
Address		11/F, Fun Tower, 35 Hung To Road KWUN TONG KOWLOON HONG KONG

1.2. Description of Device (EUT)

Product Name	:	Magnetic Wireless Charger				
Model No.	:	CTF-T-ATE-211686FREBLK	botek Anbotek Anbotek			
Trade Mark	:	CASETIFY	Anbotek Anbotek Anbotek Anbotek			
Test Power Supply	:	AC 120V, 60Hz for adapter/AC	C 240V, 60Hz for adapter			
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)			
		Operation Frequency:	111-205KHz			
Product		Modulation Type:	FSK			
Description		Antenna Type:	Inductive loop coil Antenna			
		Antenna Gain(Peak):	0 dBi (Provide by customer)			

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or the User's Manual.



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1.3. Auxiliary Equipment Used During Test

Adapter	:	M/N: A2630	14
		Input: 100-240V-1.3A,50-60Hz	ootek
		USB-C Output: 5V=3A, 9V=2A USB-A Output: 5V=4A	Anbore
Mobile Phone	:	MI 9 Anbore Amborek Anborek	Anb

1.4. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	3 Year
2	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)	potek	Anbotek Anbo
		Ur = 3.8 dB (Vertical)		
Conduction Uncertainty	:	Uc = 3.4 dB	Anbotek	Anbore. An



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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.

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.

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
- 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/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	I	f/300	6
1500-100,000	I	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	I	1	f/1500	30
1500-100,000	1	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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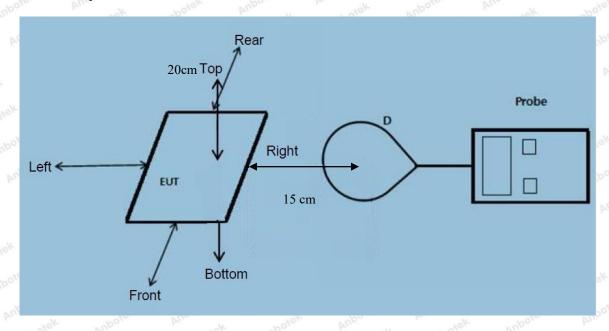
400-003-0500 www.anbotek.com

⁼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 111-205KHz.
- 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 for adapter

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

Battery power	Frequency Range (KHz)	Test Positio n A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
Anbotek	Anbu	Anborek	Anbor	otek An	botek	Aupoter	Aupotek	Anbotek
1%	111-205	0.34	0.43	0.38	0.39	0.51	307	614
hotek A	lbotek Anbe	otek A	Motek	Anborok	Aupore	k Anbo	rek Anbore	otek M
50%	111-205	1.41	1.85	1.34	1.47	1.64	307	614
Anbo	Anbotek	Pupote.	ek vop	otek PL	potek !	inbo notek	Anbotek	Anbore
99%	111-205	2.37	2.77	2.38	2.33	2.79	307	614
V. V.	ootek Anbot	er An	po ek	anbotek	Anbore	bu. 200	ek Anbote	P.U.
por Ar	abotek An	poten	Anbo	anbotek	Anbore	PSK DIL	botek Anb	of St.
Stand-by	111-205	0.45	0.60	0.44	0.43	0.57	307	614



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

	47.0	0.33					- A-1-	
Pottony	Frequency	Test	Test	Test	Test 📈	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	otek B Ar	C	D	AntBek	(A/m)	(A/m)
ek Anb	Piek Aupon	rek by	opotek	Aupolen	And	Anbotek	Aupon	/c
1%	111-205	0.029	0.051	0.057	0.041	0.051	0.815	1.63
hotek		Aupo, rek		Anbore.	Ant Ant	otek An	potek Ant	o.
Andhotek	Anbotek	Anbo	nbot	ek Anbo	le Vu	hotek	Anborek	iupo.
50%	111-205	0.37	0.46	0.36	0.36	0.53	0.815	1.63
Y AUG	tek Anbote	K Anbo	TABK DIV	aborek	Anbote.	And	Anbotek	Anbe
VK MU	hotek Ant	lotek M	loo rek	anbotek	Anbore	k Pur	k Anbote	P
99%	111-205	0.53	0.71	0.60	0.42	0.41	0.815	1.63
Anboten		Anbotek		k who!	ek Anb	Oter VU	Lotek D	nbotek
Anboren	Aug	Anbotek	Aupon	rek on	potek P	'uposer	Pur Potek	Anbotek
Stand-by	111-205	0.52	0.34	0.44	0.56	0.42	0.815	1.63
K Anbo	Ano	rek no	potek	rupo,	A botek	Anboten	Anu	



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APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement





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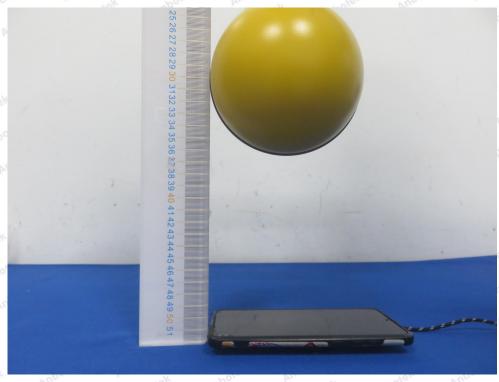
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