

Shenzhen Anbotek Compliance Laboratory Limited FCC ID: 2APWX-D6 ProPRO Page 1 of 13 Report No.: SZAWW180517006-02

FCC TEST REPORT

For

SHENZHEN HOTA TECHNOLOGY CO.,LTD

AC/DC Dual Channel Smart Charger

Model No.: D6 Pro

Prepared For : SHENZHEN HOTA TECHNOLOGY CO.,LTD Address : A, Floor 2, Building 2, Guorun Industrial Park, Min Zhi, Longhua District, Shenzhen, China

Prepared By Address 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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Report Number:SZAWW180517006-02Date of Test:May 18~23, 2018Date of Report:May 23, 2018



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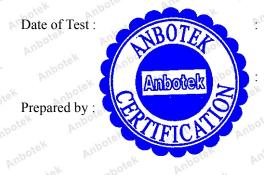
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TPPT	$\mathbf{D}\mathbf{L}$	DCA	DT
TEST	INL	ГО	NI
Ster Do			

Applicant :	SHENZHEN HOTA TECHNOLOGY CO.,LTD
Manufacturer :	SHENZHEN HOTA TECHNOLOGY CO.,LTD
Product Name :	AC/DC Dual Channel Smart Charger
Model No. :	D6 Pro
Trade Mark :	N.A. notek Anbotek Anbotek Anbotek Anbotek
Rating(s) :	Input: AC 100~240V, 47~63Hz, 0.1~2.2A, DC 6.5~30V, 0.1~30A; Output: DC 0~30V, 0.1~15AX2, 650W; USB Output: DC 5V, 2.1A; Wireless Charging output: DC 5V, 1A

Test Standard(s)	len	FCC Part 1.1310, 1.1307(b)			
Test Method(s)	bore	KDB680106 D01 RF Exposur	e Wireless Cl	narging Apps v	03

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.



May 18~23, 2018

inkey Wang

(Tested Engineer / Winkey Wang)

Reviewer :

(Project Manager / Tangcy. T)

Approved & Authorized Signer :

(Manager / Tom Chen)

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1. General Information

1.1. Client Information

Applicant	:	SHENZHEN HOTA TECHNOLOGY CO.,LTD
Address	:	A, Floor 2, Building 2, Guorun Industrial Park, Min Zhi, Longhua District, Shenzhen, China
Manufacturer	:	SHENZHEN HOTA TECHNOLOGY CO.,LTD
Address	:	A, Floor 2, Building 2, Guorun Industrial Park, Min Zhi, Longhua District, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	AC/DC Dual Channel Smart Cha	rger ek hotek Anbore Antonio
Model No.	:	D6 Pro	And Anbotek Anbotek Anbote Anbote
Trade Mark	:	N.A. Anboten Anbou	Anbotek Anboten Anbo
Test Power Supply	:	AC 120V, 60Hz/AC 240V, 60Hz	tek nabotek Anbote And notek
		Operation Frequency:	110-205KHz
		Number of Channel:	20 Channels
Product Description	:	Modulation Type:	MSK MAN AND AND AND AND AND AND AND AND AND A
Description		Antenna Type:	Loop Antenna
		Antenna Gain(Peak):	0 dBi Anbotek Anbotek Anbo

Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

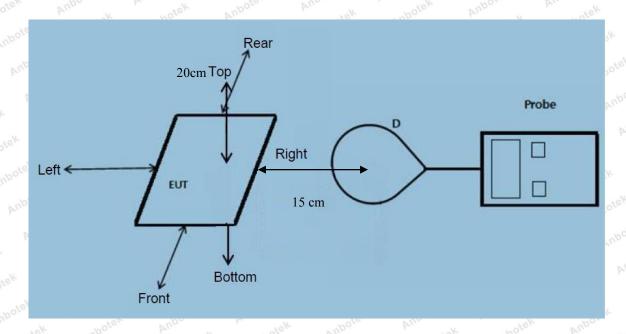
1.3. Auxiliary Equipment Used During Test

Mobile Phone	:	Manufacturer: NOKIA	Anbotek	Anbor	Annabotek	Anboten	Anbo	
		M/N: N920	nbotek	Aupor	A wotek	Anboten	Pa	
9		S/N: 356355051634804					4	
		CE, FCC, DOC	Ann	tek n	potek Anbor	An	otek	

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1.6. Description Of Test Setup



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device

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1.7. Test Equipment List

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	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
(e	* 1	Magnetic field meter	NARDA	ELT-400	423623	May 27, 2017	1 Year

1.8. 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, July 31, 2017.

ISED-Registration No.: 8058A-1

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-1, June 13, 2016.

Test Location

All Emissions tests were performed at

Shenzhen Anbotek Compliance Laboratory Limited. at 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

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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.

			2	24
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 1		6
1500-100,000	1	1	5	6
	(B) Limits for Genera	I Population/Uncontrolle	d Exposure	12
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	Ι	T	1.0	30

Limits For Maximum Permissible Exposure (MPE)

F=frequency in MHz

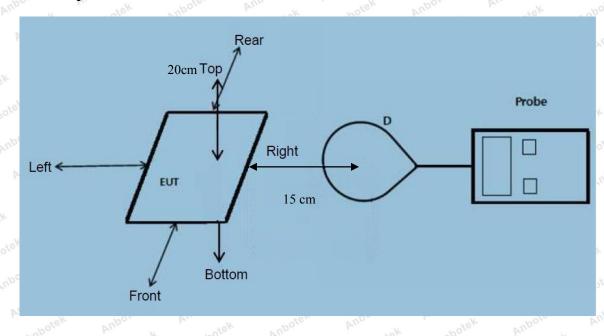
=Plane-wave equivalent power density

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 from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device

2.3. Test Procedure

1) The RF exposure test was performed in anechoic chamber.

2) The measurement probe was placed at test distance (15 cm) 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 from 110 KHz to 205 KHz

2) Output power from each primary coil is less than 15 watts

- The maximum output power of the primary coil is 5W.

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

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between individual pairs of coils.

Product

- 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.

- The EUT E-Field Strength levels at 15 cm & The EUT H-Field Strength levels at 15 cm are less than 50% the MPE limit.

The test results please refer to the section 2.4.2

2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310

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

Battery	Frequency	Test	Test	Test	Test	Mek Test And	Referenc	Limits
power	Range	Position	Position	Position	Position	Position	Limit	Test
Anbotek	(KHz)	A	K B Anbo	tek C Ant	D	En	(V/m)	(V/m)
Anbotel	Anbou		otek A	iboten .	Anbo	Anbotek	Anbote	Any ho
Let 1%	110~ 205	0.36	0.32	0.33	0.28	0.27 oter	307	614 http://
atek	hotek Ar	100	hotek	Anbotek	Anbotek	ek ya	the Bu	222
notek	Anbotek	Anboton	An	Anbote	Anbo	botek A	botek	Anbotek
50%	110~ 205	1.15	1.26	ek 1.27 Ant	1.28	1.25	307	614
Anboten	Anbotek	Anbore	An	notek		Anboten	Antotek	Anbote
Anbe	tek Anbo	ek Anb	ore Ar	botek	Anbotek	Anbortek	Annbote	K Anbol
99%	110~ 205	2.44	2.39	2.36	2.38	2.25	307	ote ^k 614
potek Ar	100 h.	nbotek	Anbotek	And	k anbo	ek Anbo	rek Al	boten
Anbotek	Anbo	Anbotek	Anbotek	Anu	otek An	potek Ar	por l	Anbotek
Stand-by	110~ 205	0.43	0.38	0.27 ^{Anb}	0.29	0.26	307	614 Millioner
Anbotek	Anbor	ek pob	stek An	pote. P	no ^{tek}	Anbotek	Anbotek	k pote

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rek h.	Frequency	Test	Test	Test	Test	Test	Referenc	Limits
Battery	Range	Position	Position	Position	Position	Position	e	Test
power	(KHz)	Abotek	Binbo	otek C Ar	bote ^K D	Inbotek E	Limit (A/m)	(A/m)
An	k Anbote	Anbo	ootek l	nbotek	Anbote.	Ansobotek	Anbotek	Anbo
1% 1%	110~ 205	0.078	0.089	0.086	0.085	0.088	0.815	1.63
ten Anb	hotek p	nbotek	Anbortek	An	Anbote	Anb	stek An	potek
boro p	botek	Anbotek	Anbore	k nbot	ek Anb	ote. And	notek	Anbotek
50%	110~205	0.14	0.16	0.15	0.18	0.13	0.815	1.63
Anboten	And	Anbot	sk Anb	Pro An	abotek	Anbotek	Anborotek	Annot
Anbore		tek An	potek p	nbo	Anbotek	Anboten	Ano	ok An
^{e*} 99% x ^{**}	110~ 205	0.24	0.26	0.33	0.36	0.28 oote	0.816	1.63
potek A	nboten A	notek	Anbotek	Anbou	All.	tek Anbo		po
Anbotek		Anusbotek		Anbor	otek A	abotek A	aboten	Anbewotek
Stand-by	110~ 205	0.15	× 0.14	0.17	0.16	0.14	0.814	1.63
Annabotek	Anboten	Anboth	otek	nbotek	AL.	Anthotek	Anbotek	Anbote
K bo		te. Ant	tek		Anbors.	Annotek		ant 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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End of Report

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