FCC TEST REPORT

For

SUNVALLEYTEK INTERNATIONAL, INC.

WTRELESS CHARGER CAR MOUNT

Model No.: ONA19WI702

Prepared For : SUNVALLEYTEK INTERNATIONAL, INC.

Address : 46724 Lakeview Blvd, Fremont, California, United States 94538-6529

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

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Report Number : SZAWW181128004-02

Date of Test : Nov. 28, 2018

Date of Test : Nov. 28~Dec. 07, 2018

Date of Report : Dec. 07, 2018



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TEST REPORT

Applicant : SUNVALLEYTEK INTERNATIONAL, INC.

Manufacturer : Shenzhen NearbyExpress Technology Development Company Limited

Product Name : WTRELESS CHARGER CAR MOUNT

Model No. : ONA19WI702

Trade Mark : RAVPOWER

Rating(s) Input: 5V == 2A

Output: 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 Test	Nov. 28~Dec. 07, 2018
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Reviewer	(Supervisor / Snowy Meng)
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	Sally Zhong
	Savy Zhang
Approved & Authorized Signer	k Anboten Anbot Anbote A
	(Manager / Sally Zhang)

1. General Information

1.1. Client Information

Applicant	:	SUNVALLEYTEK INTERNATIONAL, INC.
Address	:	46724 Lakeview Blvd, Fremont, California, United States 94538-6529
Manufacturer	:	Shenzhen NearbyExpress Technology Development Company Limited
Address	:	333 Bulong Road, Jialianda Industrial Park, Building 1, Bantian, Longgang District, Shenzhen, China
Factory	:	Shenzhen NearbyExpress Technology Development Company Limited
Address	:	333 Bulong Road, Jialianda Industrial Park, Building 1, Bantian, Longgang District, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	WTRELESS CHARGER CAR MOUNT
Model No.	:	ONA19WI702
Trade Mark	:	RAVPOWER
Test Power Supply	:	AC 120V, 60Hz for adapter
Test Sample No.	:	S1(Normal Sample), S2(Engineering Sample)
		Operation Frequency: 111~205KHz
Product		Modulation Type: MSK
Description	Antenna Type:	Antenna Type: Inductive loop coil Antenna
		Antenna Gain(Peak): 0 dBi
10, 41	7.	1 100

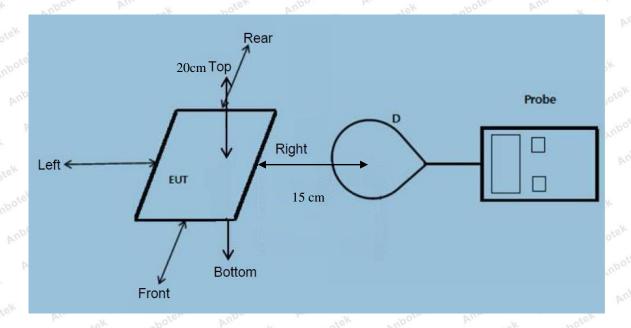
Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3. Auxiliary Equipment Used During Test

Adapter	:	M/N: ETA-U90CBC
		S/N: RT6FB17ZS/B-E
		Input: 100-240V~ 50-60Hz, 0.35A
9		Output: DC 5V, 2A
Mobile Phone	:	iPhone



1.4. 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

1.5. Test Equipment List

	Item	Equipment	Manufacturer Model No.		Serial No.	Last Cal.	Cal. Interval
	1 000	Magnetic field meter	NARDA	ELT-400	423623	Nov.17, 2017	3 Year
0	2	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
·~	stel3	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

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, 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

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

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 Occupational/Controlled Exposures										
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	f/300	6						
1500-100,000	1	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	1.0	30						

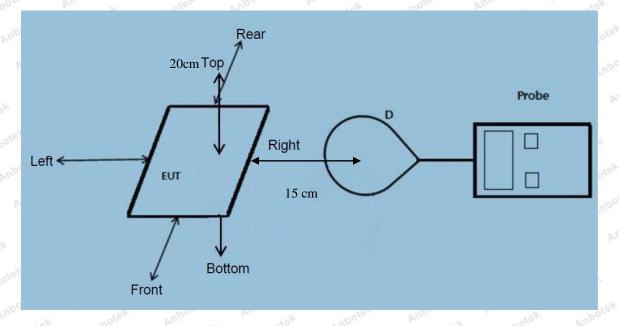
F=frequency in MHz

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).

⁼Plane-wave equivalent power density



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 111~205KHz
 - 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

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.
- 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

Temperature:	23.6° C	Relative Humidity:	53 %
Pressure:	1012 hPa	Test Voltage:	AC 120V, 60Hz for adapter

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

And the last	130.7	5.653			100	- AV		
Pottowy.	Frequency	Test	Test	Test N	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	ek A Anb	В	C	\mathbf{D}^{ek}	AUE TOK	(V/m)	(V/m)
re. Yup	notek Ar	botek I	inpose rek	Am	Anbotek	Aupo	ek nbo	rek by
1%	111~205	0.32	0.23	0.23	0.24	0.44	307	614
Anbotek	Anborotek	Anbotek	Anbote	ak And	otek ar	botek Ar	por A	nbotek
Anbotek		Anbote	K Anbo	tek VIII	abotek	Anbotek	Anbu	
50%	111~205	1.81	1.65	1.35	1.54	1.23	307	614
tek Anbo	lek Aupo	stek k.	nbotek	Dr.	Ans	Anbotek	Anbor	ek bi.
botek Ar	boten An	ovek k	Anbotek	Anboten	Am.	ek Anbot	ek Anbo	
99%	111~205	2.14	2.38	2.85	2.54	2.36	307	614
And	Anbotek	Aupor	Air	ek Anb	yen An	po notek	Anbotek	Anbore
Am	Anbotek	k Vupore	150	potek P	nbote	Ann	Anbotek	Anbote
Stand-by	111~205	0.55	0.49	0.53	0.35	0.58	307	614
Ant Ant	otek Anl	otek A	upo.	A. nbotek	Anboten	K Anb	anbot A	ek Ani

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

Battery	Frequency Range	Test Position	Test Position	Test Position	Test Position	Test Position	Reference Limit	Limits Test
power	(KHz)	A	В	C	D	E	(A/m)	(A/m)
otek k.	inbotek P	hbote.	And	Anbotek	Anbor	otek anb	otek Anb	oter
1%	111~205	0.053	0.054	0.044	0.042	0.043	0.815	1.63
Anbe	hotek	Anbote.	Ans	Nex No	potek	rupe K	holek	Anboten
Anbote	Anbotel Anbotel	Anbot	er And	abotek	Anbotek	Anbores	An	Anbot
50%	111~205	0.36	0.33	0.46	0.39	0.42	0.815	1.63
otek Anb	D. Br.	botek	Anbore	Anbote.	anbote	Anbore	Vak Vi	tek
hbotek P	upor otek	Anbotek	Anboten	Anbe	ek Anb	otek Anbr	stek Ans	obotek
99%	111~205	0.27	0.75	0.57	0.65	0.41	0.815	1.63
Anbotek	Aupo.	Pr.	ek Anb	ye. An	Nek .	anbotek	Anbor	Mr. Mote
Anbotel	Anbor	rek vu	otek p	nbotek	Anbo	Anbotek	Aupore	Ans
Stand-by	111~205	0.48	0.42	0.47	0.40	0.34	0.815	
notek n	upotek A	100°	A. botek	Anboten	Anbo	rek nbo	tek Anbo	16

Remark: All the conditions have been tested. It is found that 10W is the worst mode, and the data in the report only reflects the worst mode.



APPENDIX I -- TEST SETUP PHOTOGRAPH

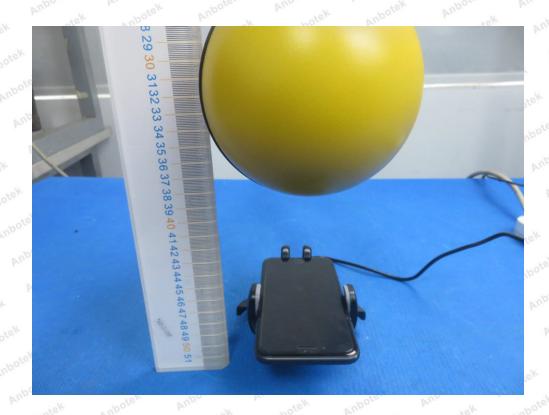












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---- End of Report ----