FCC TEST REPORT

For

Boost Auto Parts LLC

Wireless charger modules

Model No.: 9906, MO-QT1283

Prepared For : Boost Auto Parts LLC

Address : Boost Auto Parts 2948 Kirk Road.Suite 106, #324 Aurora Illinois, United

States 60502

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

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Date of Report : Aug. 08, 2018



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TEST REPORT

Applicant : Boost Auto Parts LLC

Manufacturer : Qi Quick Technology Co, Ltd

Product Name : Wireless charger modules

Model No. : 9906, MO-QT1283

Trade Mark : N.A.

Rating(s) : Input: DC 12V, 2A

Output: 10W Max

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.

Prepared by

(Engineer / Oliay Yang)

Anbotek

(Supervisor / Calvin Liu)

Approved & Authorized Signer

(Manager / Tom Chen)

1. General Information

1.1. Client Information

Applicant	:	Boost Auto Parts LLC
Address	:	Boost Auto Parts 2948 Kirk Road.Suite 106, #324 Aurora Illinois, United States 60502
Manufacturer	:	Qi Quick Technology Co, Ltd
Address	:	Room 1204-1210, Floor 12th Jiajun Center, No.8 Changdong Road changping, Dongguan, Guangdong, China

1.2. Description of Device (EUT)

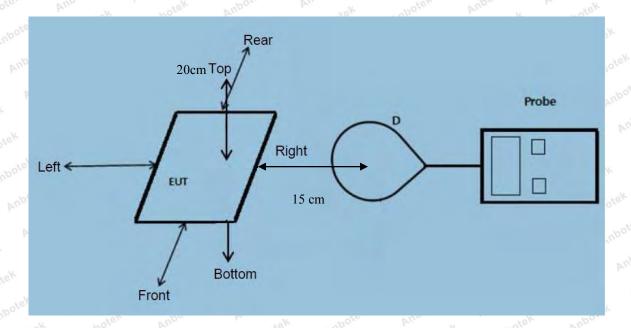
10 . Di.	0.000	101	K :-Old Alle
Product Name	:	Wireless charger modules	Anbotek Anbotek Anbotek Anbotek
Model No.	:	9906, MO-QT1283	Anbotek Anbotek Anbote
c		(Note: All samples are the same e test only.)	except the model number, so we prepare "9906" for
Trade Mark	:	N.A.	otek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V, 60Hz for adapter / AC	240V, 60Hz for adapter
Test Sample No.	:	S1, S2	Anbotek Anbotek Anbotek Anbotek Anbo
		Operation Frequency:	111-205KHz
		Number of Channel:	20 Channels
Product Description	:	Modulation Type:	MSK Anbotek Anbotek Anbotek
•		Antenna Type:	Loop Antenna
		Antenna Gain(Peak):	0 dBi Anbotek Anbotek An

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

1	Adapter	:	Model: A2013 Input: 100-240V 50-60Hz 0.7A Output: 3.6-6.5V== 3A/6.5-9V== 2A/9-12V== 1.5A	Ank
			Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	
	Mobile Phone	:	Samsung hotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	181

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



1.7. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Magnetic field meter	NARDA	ELT-400	423623	Nov.17, 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

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)

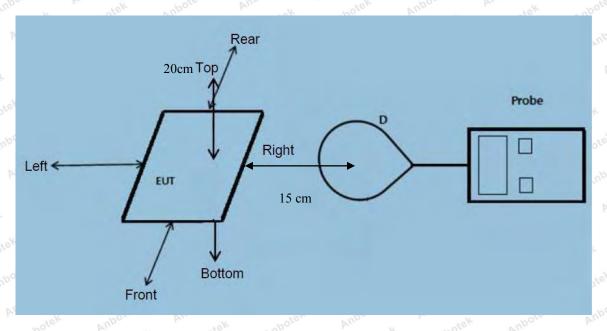
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	Averaging tim (minutes)	
	(A) Limits for Occ	cupational/Controlled Ex	posures		
0.3-3.0	614	1.63	*(100)	6	
3.0-30	1842/f	4.89/f	*(900/f ²)	6	
30-300	61.4	0.163	1.0	6	
300-1500 /		1	f/300	6	
1500-100,000	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	Ì	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 from 111 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 10W.
- 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 transmitte
- 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)

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

atek a	Frequency	Test	Test	Test	Test	Test	Reference	Limits
Battery	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	B	cek C Ant	ofek D A	nbor E	(V/m)	(V/m)
And	Anbotek	Anbor	iek Ri	botek	Aupoter	Anbo	Anbotek	Anbore
1%	111~205	0.24	0.38	0.45	0.57	0.73	307	614
Kek Aupo	otek M	botek	inbotek	Annabotek	Anbotek	Anbotek	ek anbo	rek I
pote, A	hotek	Anbotek "	Anbote	All	k Anbo	ien Augo		hotek
50%	111~205	1.31	1.31	1.45	1.87	1.55 A	307	614
Anboten	Anbo	Anbote	k Aupo	Pur	shotek	VUDO	Anbo	Anbote
Anbote	Ann hot	ek Anb	otek Ar	born	In abotek	Anbotek	Anbo	anb
99%	111~205	2.43	2.47	2.77	2.64	2.68	307	614
botek Ar	botek An	bo stek	Anborek	Anbote	And ho	ek Anbot	ek Anbo	-tek P
anbotek	Anboten	Anbotek	Anbotek	Anbote	stek Vi	potek An	potek Ar	borotek
Stand-by	111~205	0.22	0.13	0.16	0.72	0.48	307	614
An	Anbotek	Anbote!	rek A.	potek P	upote,	Anu		Anboro



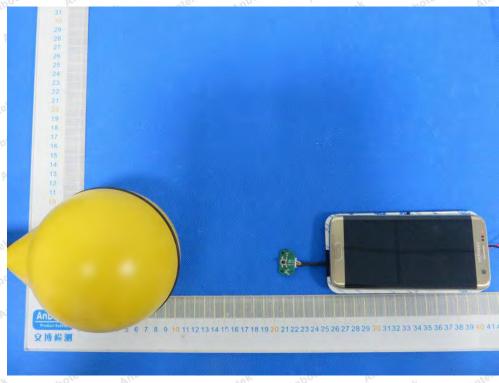


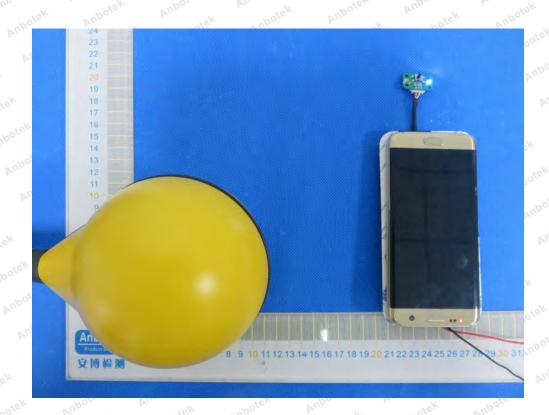
H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery	Frequency Range (KHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (A/m)	Limits Test (A/m)
1%	111~205	0.045	0.075	0.043	0.063	0.067	0.815	1.63
50%	111~205	nbotek 0.12	0.15	0.46	0.19	0.39	49%	Anti-
Anbotek Anbotek	Anbotek	0.12	Anbotel Anbotel	0.46 Anbot	otek	nbotek A	Anbotek	Anbotek
99%	111~205	0.34	0.37	0.54	0.37	0.29	0.815	1.63
Stand-by	111~205	0.45	0.67	0.74	0.22	0.64	0.815	1.63

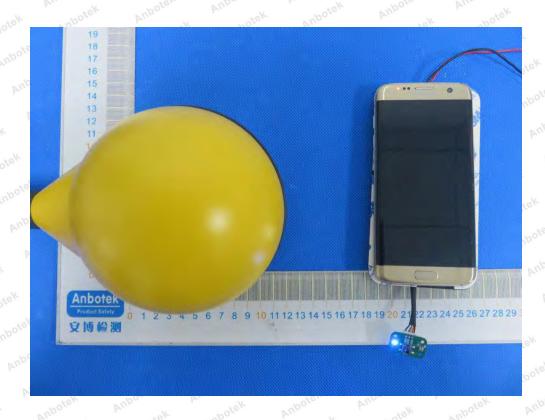
APPENDIX I -- TEST SETUP PHOTOGRAPH

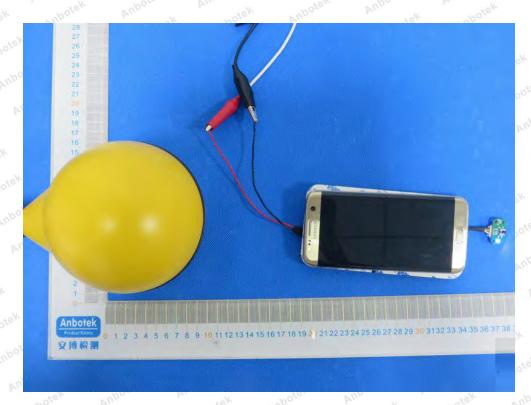
Photo of MPE Measurement



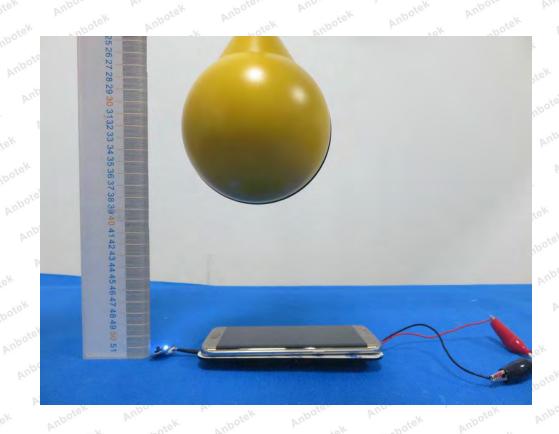












-- End of Report