

Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 1 of 11

FCC TEST REPORT

Client Name : Anker Innovations Limited

Address Room 1318-19, Hollywood Plaza, 610 Nathan Road,

Mongkok, Kowloon, Hong Kong

Product Name : Wireless Charger

Date : Sept. 30, 2021

Shenzhen Anbotek Compliance Laboratory Limited
*Approved**

Compliance



Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 2 of

Contents

1. General Information	W.D.		¹⁰ 000		4	
1.1. Client Information	Popose.	·····		Vupo,	4	
1.2. Description of Device (EUT)	Wolek	Anbo,		k Wpo _{le}	4	
1.3. Auxiliary Equipment Used During					5	
1.4. Test Equipment List	. Vun		otek Ant		5	
1.5. Measurement Uncertainty	Oter An		wotek.	Who,	5	
1.6. Description of Test Facility	- Hotel	*upor		M.poter	6	
2. Measurement and Result			Anbo	gotek	7	
2.1. Requirements						
2.2. Test Setup	Anbore	Pr.,	k Hupo _{le}	Anb	8	
2.3. Test Procedure				otek Anbo	8	
2.4. Test Result		otek Anb	O		8 ^A	
ADDENDIY I TEST SETUD DHOTOGRAI	DH by				30K 11	



Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 3 of 11

TEST REPORT

Applicant : Anker Innovations Limited

Manufacturer : Anker Innovations Limited

Product Name : Wireless Charger

Model No. : A2941

Trade Mark : ANKER

Input: DC 5V/3A, DC 9V/2A, DC 15V/1.2A, PD18W(with DC 3.7V, 10000 mAh

battery inside)

Rating(s) : Type-C output: DC 5V/3A, DC 9V/2.22A, DC 15V/1.2A, PD20W

Wireless output: 5W=5V1A, 7.5W=7.5V1A, 10W=9V1.12A

Type-C & Wireless output: 11W

Test Standard(s) : FCC Part 1.1310, 1.1307(b)

Test Method(s) : KDB680106 D01 RF Exposure Wireless Charging Apps v03r01

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	Mar. 29, 2021
Date of Test	Mar. 29~Sept. 30, 2021
	Ella Islang
Prepared By	Aupor A. Morel Anbore And
	(Ella Liang)
	(de morin
Approved & Authorized Signer	(ingkong)in
Tuga otek Whotek Whoose Wir	(Kingkong Jin)

Shenzhen Anbotek Compliance Laboratory Limited





Report No.: 18220WC10056802 FCC ID: 2AOKB-A294

1. General Information

1.1. Client Information

Applicant	:	Anker Innovations Limited
Address	:	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hongkong
Manufacturer	:	Anker Innovations Limited
Address	:	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hongkong

1.2. Description of Device (EUT)

Product Name	:	Wireless Charger	
Model No.	:	A2941	Anborek Anborek Anbores Anbores
Trade Mark	:	ANKER	Anbotek Anbotek Anbotek An
Test Power Supply	:	AC 120V, 60Hz for adapter	tek Anbotek Anbotek Anb
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
		Operation Frequency:	127.5KHz
Product		Modulation Type:	FSK MANAGEMENT AND
Description	•	Antenna Type:	Inductive loop coil Antenna
		Antenna Gain(Peak):	0 dBi

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





Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 5 of 11

1.3. Auxiliary Equipment Used During Test

Adapter	:	M/N: A2014 Input: AC 100-240V, 0.75A, 50-60Hz Output: 5V-3A,9V-2A,12V-3A, 20V-1.5A
Wireless charging	:	Manufacturer: Shenzhen Ouju Technology Co., Ltd.
load		M/N: CD2577
c		Power: 5W/7.5W/10W/15W
		Last Cal.: Oct. 26, 2020
		Cal. Interval: 1 Year

1.4. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
potek	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)	nbotek	Anboren	Ann
		Ur = 3.8 dB (Vertical)	Anbotek	Anbore	Anstorek
Conduction Uncertainty	:	Uc = 3.4 dB	Anbotek	Anbore	ek abotek



Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 6 of

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 30, 2020.

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, September 30, 2020.

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



Report No.: 18220WC10056802 FCC ID: 2AOKB-A29

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)
- 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)

200	7.74	Lat. DV	7.00	7.57.00	
Frequency range (MHz)	range Electric field strength Magnetic field strength (V/m) (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	1	5	6	
	(B) Limits for Genera	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).



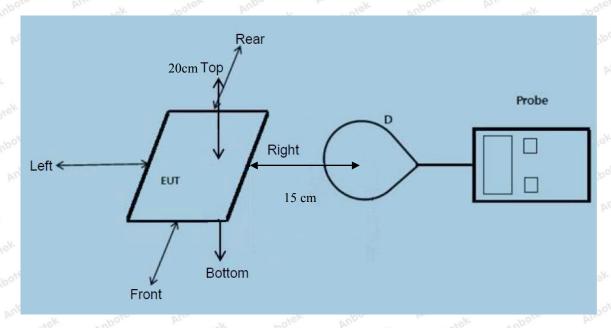


⁼Plane-wave equivalent power density



Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 8 of 11

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 127.5KHz.
- 2) Output power from each primary coil is less than 15 watts
 - The maximum output power of the primary coil is 10W.

Shenzhen Anbotek Compliance Laboratory Limited





Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 9 of 11

- 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.



Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 10 of 11

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 Position A	Test Position B	Test Position C	Test Position D	Test Position E	Reference Limit (V/m)	Limits Test (V/m)
1%	127.5	0.44	0.53	0.48	0.49	0.58	307	614
50%	127.5	1.40	1.84	1.33	1.46	1.60	307	614
99%	127.5	2.38	2.78	2.39	2.34	2.75	307	614
Stand-by	127.5	0.39	0.54	0.38	0.37	0.48	307	614

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

MO.	Pr.	260	W.C.F.		~ K	0	9.0	200
Battery power	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%	127.5	0.257	0.160	0.143	0.171	0.077	0.815	1.63
50%	127.5	0.197	0.196	0.168	0.209	0.064	0.815	1.63
99%	127.5	0.281	0.179	0.155	0.191	0.086	0.815	1.63
Stand-by	127.5	0.277	0.167	0.148	0.188	0.076	0.815	1.63

Note: (1) All the situation (full load, half load and empty load) has been tested, only the worst situation (Charging+full load 10W) was recorded in the report.





Report No.: 18220WC10056802 FCC ID: 2AOKB-A2941 Page 11 of 11

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files for Test Setup Photos of the EUT.

----- End of Report -----