

Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 1 of 13

FCC TEST REPORT

Client Name : Gopod Group Limited.

Address 6/F., 235 Wing Lok Trade Centre, Sheung Wan, Hong

Kong

Product Name : wireless charging Pad

Date : Jun. 29, 2019

Shenzhen Anbotek Compliance Laboratory Limited



Report No.: SZAWW190601004-02 Page 2 FCC ID: 2AQZH-GW16A of 13

Contents

1.	General Information4
	1.1. Client Information
	1.2. Description of Device (EUT)
	1.3. Auxiliary Equipment Used During Test
	1.4. Test Equipment List
	1.5. Description of Test Facility
2.	Measurement and Result6
	2.1. Requirements
	2.2. Test Setup
	2.3. Test Procedure
	2.4. Test Result
	2.4.1. Equipment Approval Considerations item 5.b of KDB 680106 D01 v03
	2.4.2. Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b)
	1.13109
AP	PPENDIX I TEST SETUP PHOTOGRAPH1

Code: AB-RF-05-a

Email:service@anbotek.com



Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A

TEST REPORT

Applicant Gopod Group Limited.

Manufacturer Gopod Group Holding Ltd.

Product Name wireless charging Pad

Model No. GW16A, GW16B, GW16C, GW16D, GW16E, GW16F

Trade Mark Gmobi

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

Output: 5W/7.5W/10W

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	Jun. 01, 2019
Date of Test	Jun. 01~21, 2019
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Prepared By Anbotek Product Safety	tek Anbotek Anbotek Anbotek Anbotek Anbot
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Reviewer	xAnbote Anb Anbote And Anbo
	(Supervisor / Snowy Meng)
oro Ambotek Anbotek Anb	Sally Zhong
Approved & Authorized Signer	Though Mupo W. W. William William William
	(Manager / Sally Zhang)

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Code: AB-RF-05-a

400-003-0500 www.anbotek.com



Report No.: SZAWW190601004-02

1. General Information

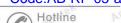
1.1. Client Information

Applicant	: Gopod Group Limited.
Address	6/F., 235 Wing Lok Trade Centre, Sheung Wan, Hong Kong
Manufacturer	Gopod Group Holding Ltd.
Address	4-6/F, Building 8, Lianjian Industrial Park, Hua Rong Road, Longhua, Shenzhen, China
Factory	Gopod Group Holding Ltd.
Address	: 4-6/F, Building 8, Lianjian Industrial Park, Hua Rong Road, Longhua, Shenzhen, China

1.2. Description of Device (EUT)

Product Name	:	wireless charging Pad							
Model No.	:	GW16A, GW16B, GW16C, GV (Note: All samples are the sam "GW16A" for test only.)	V16D, GW16E,GW16F ne except the appearance color, so we prepare						
Trade Mark	:	Gmobi	Anbotek Anbotek Anbotek An						
Test Power Supply	:	DC 3.7V Battery inside							
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)							
		Operation Frequency:	110.1~205KHz						
Product		Modulation Type:	FSK Anbotek Anbotek Anbotek An						
Description	otion . Antenna Ty	Antenna Type:	Inductive loop coil Antenna						
		Antenna Gain(Peak):	0 dBi Anbotek Anbotek Anbotek						

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





Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 5 of 13

1.3. Auxiliary Equipment Used During Test

Adapter	:	Manufacturer: Anker Innovations Limited
0		M/N: A2013
1		Input: 100-240V 50-60Hz 0.7A
		Output: 3.6-6.5V == 3A/ 6.5-9V == 2A/ 9-12V == 1.5A
Watch	:	Apple Watch - Series 2

1.4. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Aupolek	Magnetic field meter	NARDA	ELT-400	423623	Dec. 24, 2018	1 Year
2000	E-Field Probe	Narda	EF0391	Q15221	Nov.17, 2017	3 Year
3 _{Ant}	H-Field Probe	Narda	HF3061	Q15835	Nov.17, 2017	3 Year

1.5. 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





Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 6 of 13

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	1	f/300	6						
1500-100,000	/	1	5	6						
	(B) Limits for Genera	l Population/Uncontrolle	d 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	1.0	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).

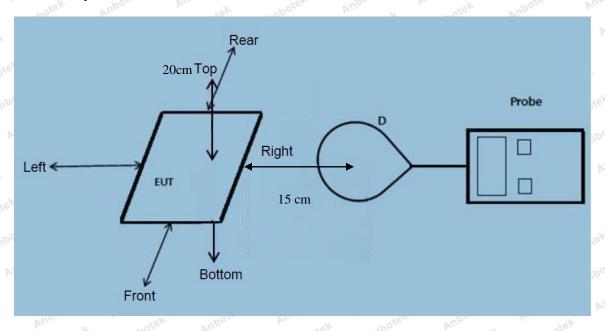
Hotline 400-003-0500

^{*=}Plane-wave equivalent power density



Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 7 of 13

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 110.1~205KHz
- 2) Output power from each primary coil is less than 15 watts
 - The maximum output power of the primary coil is 10W.







Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 8 of 13

- 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.
- Conducted the measurement with the required distance and the test results please refer to the section 2.4.2

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Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 9 of 13

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

Temperature:	23.4°C	Relative Humidity:	55%
Pressure:	1012 hPa	Test Voltage:	DC 3.7V Battery inside

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

Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
power	Range	Position	Position	Position	Position	Position	Limit	Test
power	(KHz)	A	Brok	C	D D	LEK E AN	(V/m)	(V/m)
Anbotek	Anboton	Ann	Anbotek	Anbox	rek ku	botek	Aupoter A	Vpc Potek
1%	110.1~205	0.27	0.38	0.29	0.45	0.92	307	614
k A nbote	K Anbore	K VUD	otek A	botek	Auporg	Allabotek	Anbotek	
itek ant	lotek Anbe	ren Au	hotek	Anbotek	Aupore	Pur apoli	K Wholes	K AUD
50%	110.1~205	1.54	1.33	1.67	1.02	1.59	307 ,,,,,,,,	614
upo.	a nbotek	Aupote.	Anna	Anbote	k Anbo	rok An	botek Ar	
Anbo	Anbotek	Anbore	K Ann	lek Ant	otek N	botatek	an abotek	Anboten
99%	110.1~205	2.32	2.25	2.06	2.84	2.40	307	614
Anbore	rek Who	lek Pup	oten Ar	loo otek	anbotek	Anbore	k And botek	
fek Vup	on by	botek	hpoten	Andrek	Anbotek	Anbot	otek Anbo	ex b
Stand-by	110.1~205	0.13	0.52	0.67	0.51	0.86	307	614
	Anbors	An	Anbotek	Anbo	otek v.	potek	iupore Vi	



Report No.: SZAWW190601004-02 Page 10 of 13 FCC ID: 2AQZH-GW16A

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

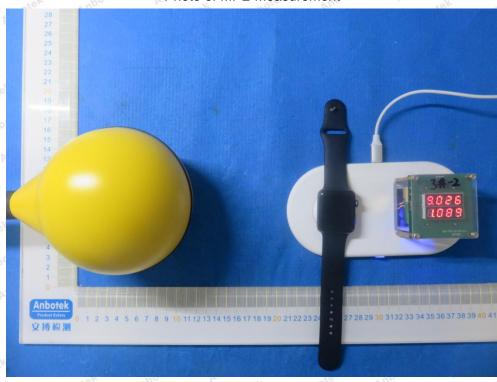
F. 15.		104	0		260	400		
Battery	Frequency	Test	Test	Test	Test	Test	Reference	Limits
- 14	Range	Position	Position	Position	Position	Position	otek Limit And	Test
power	(KHz)	AndA	A ⁿ B note	Cambot	ek D Anb	E A	(A/m)	(A/m)
Anbo	Vupotek	Anbore	ok Vun	stek An	potek p	nbortek	nbotek	Anboten
1%	110.1~205	0.043	0.046	0.059	0.032	0.057	0.815	1.63
ek Anbo.	stek anbi	rek An'	poter P	notek	Anbotek	Anboro	An. abotek	Anb
potek An	otek k	obotek	Aupore	And	Anbotel	Anbor	rek abo	rek b
50%	110.1~205	0.20	0.55	0.44	0.31	0.48	0.815	1.63
Anbotek	Anbor	Al. abotek	Anbote	-K Anbo	otek A	upotek P	upote A	potek
Anbotek	Aupo otek	Anbote	K Anbo	ice, Vu	notek	Anbotek	Anbot	Anapotel
99%	110.1~205	0.38	0.33	0.30	0.27	0.22	0.815	1.63
otek Ant	otek Anbo	stek A.	nbotek	Anbote.	Anna	Anbotel	Ambore	ek VIII.
abotek	Anbotek A	loc otek	Anbotek	Anbole	K And	iek Aupo	tek Anbo	16K
Stand-by	110.1~205	0.29	0.14	0.39	0.40	0.26	0.815	1.63
Ann	Anbotek	Aupor	K Who	rek Anb	ofer M	lo- crek	Anbotek	Anbore



Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 11 of 13

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of MPE Measurement

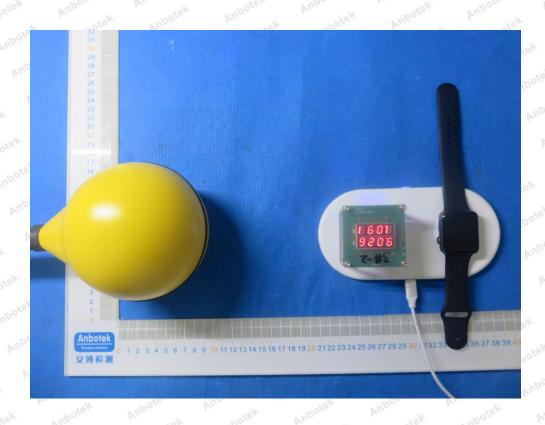


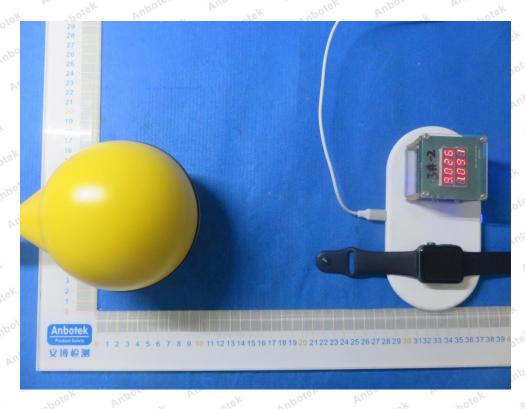


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Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 12 of 13

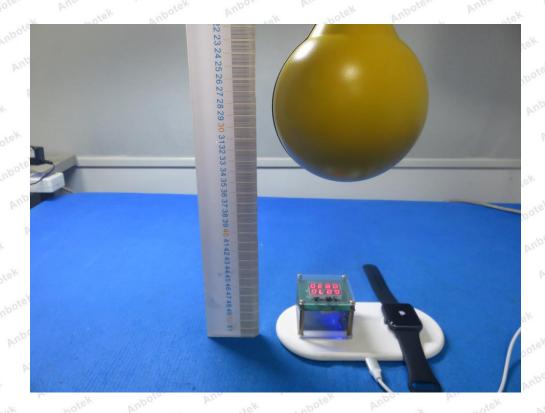




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Report No.: SZAWW190601004-02 FCC ID: 2AQZH-GW16A Page 13 of 13



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