

RF Exposure Report

Report No.: AGC10706210101FH03

APPLICATION PURPOSE	: Original Equipment
PRODUCT DESIGNATION	: Wireless Charger Stand
BRAND NAME	: АВКО
MODEL NAME	: ACD01
APPLICANT	: ABKO CO., LTD
DATE OF ISSUE	: Feb. 23, 2021
STANDARD(S)	KDB680106 D01 RF Exposure Wireless Charging Base App v03
REPORT VERSION	: V1.0



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stand resting in the stand of the test results by the stand of the test results are not permitted without the writter apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Feb. 23, 2021	Valid	Initial Release

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Festive/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter explorization of AGE" the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC10706210101FH03 Page 3 of 14

TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY	
2. GENERAL INFORMATION	5
2.1. PRODUCT DESCRIPTION	5
3. DESCRIPTION OF TEST MODES	6
4. SYSTEM TEST CONFIGURATION	
5. TEST FACILITY	7
6. RADIO FREQUENCY (RF) EXPOSURE TEST	8
6.1. LIMITS	
6.2. TEST SETUP	
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



1. VERIFICATION OF CONFORMITY

Applicant	ABKO CO., LTD
Address	M Signature 7th floor, 20, Magokjungang 1-ro, Gang seo-gu, Seoul, Republic of Korea
Manufacturer	ABKO CO., LTD
Address	M Signature 7th floor, 20, Magokjungang 1-ro, Gang seo-gu, Seoul, Republic of Korea
Factory	ABKO CO., LTD
Address	M Signature 7th floor, 20, Magokjungang 1-ro, Gang seo-gu, Seoul, Republic of Korea
Product Designation	Wireless Charger Stand
Brand Name	АВКО
Test Model	ACD01
Sample ID Number	210107074
Date of test	Jan. 09, 2021 to Feb. 23, 2021
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Report Template	AGCRT-US-BR/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in KDB680106 D01.

The results of testing in this report apply to the product/system which was tested only.

Prepared By

sky dong

Sky Dong (Project Engineer)

Feb. 23, 2021

Reviewed By

Max Zhan Max Zhang

Max Zhang (Reviewer)

Feb. 23, 2021

Approved By

Lowe

Forrest Lei (Authorized Officer)

Feb. 23, 2021

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "bedicated resting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written aphorization of AGS". The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc~cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/



2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

Operation Frequency	110KHz-205KHz 133kHz				
Test Frequency					
Maximum field strength	52.80dBuV/m(PK)@3m				
Number of channels					
Antenna Designation	Coil Antenna (Met 15.203 Antenna requirement)				
Hardware Version	V70				
Software Version	IP6806_AA2_HL01_TDFNJ				
Power Supply(Input)	DC 5V2A; DC 9V1.8A				
Wireless Charging Output power	5W /7.5W /10W				

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuerce of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



3. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Wireless charging Mode(Full load)-10W
2	Wireless charging Mode(Half load) -10W
3	Wireless charging Mode(Null load) -10W
4	Wireless charging Mode(Full load) -7.5W
5	Wireless charging Mode(Half load) -7.5W
6	Wireless charging Mode(Null load) -7.5W
7	Wireless charging Mode(Full load) -5W
8	Wireless charging Mode(Half load) -5W
9	Wireless charging Mode(Null load) -5W

1. The mode 1 was the worst case and only the data of the worst case record in this report.

The antenna 1 and antenna 2 can't work at the same time and each antenna has been tested. The antenna 1 is the worst case and recorded in the report.

4. SYSTEM TEST CONFIGURATION

ltem	Equipment	Model No.	ID or Specification	Remark
° 1	Wireless Charger Stand	ACD01	N/A	EUT
2	Adapter	TPA-46050100VU	N/A	AE
3	Wireless Load	N/A	10W	AE

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the selected Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC, he test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day affective for the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



5. TEST FACILITY

TestSite	Attestation of Global Compliance(Shenzhen) Co., Ltd					
Location	-2/F,Building19,JunfengIndustrialPark,ChongqingRoad,HepingCommunity,FuhaiSt eet,Bao'anDistrict,Shenzhen,Guangdong,China					
Designation Number	CN1259					
FCC Test Firm Registration Number	975832					
A2LA Cert. No.	5054.02					
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA					

TEST EQUIPMENT LIST

	Description	Manufacturer	Model	S/N	Cal. Date	Cal. Due
)	Broadband Field Meter	Narda Safety Test Solutions GmbH	ELT-400	J-0004	May 25,2020	May 24,2021
	Probe FHP	Narda Safety Test Solutions GmbH	2300/90.10	J-0015	May 25,2020	May 24,2021

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

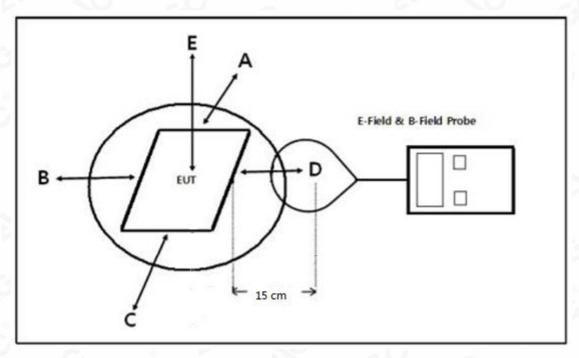


6. RADIO FREQUENCY (RF) EXPOSURETEST

6.1. LIMITS

For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. 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. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m.

6.2. TEST SETUP



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT (20 cm measure distance);

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the second deviced frequency is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGE in the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day affecting in the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



6.3. TEST PROCEDURE

The EUT was placed on a non-conductive table top and the ancillary equipment (e.g.mobile phone) was placed on the EUT for charging.

Maximum E-field and H-field measurements were tested 15cm from each side of the EUT. For top side the measure distance is 20cm.

Along the side of the EUT to center of E-field probe and H-field probe were positioned at the location to search maximum field strength.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the bedicated frame/inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC in the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc~cert.com.



6.4. TEST RESULT

Test condition: Mode 1

E-field strength test result:

Frequency	Probe	Probe	Probe	Probe	Probe	Limit
Range	Position A	Position B	Position C	Position D	Position E	(V/m)
	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	
133kHz	1.18	1.16	1.17	1.25	1.73	614

H-field strength test result:

Frequency	Probe	Probe	Probe	Probe	Probe	Limit
Range	Position A	Position B	Position C	Position D	Position E	(A/m)
	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	
133kHz	0.44	0.46	0.49	0.45	0.67	1.63

Test condition: Mode 2

E-field strength test result:

Frequency	Probe	Probe	Probe	Probe	Probe	Limit
Range	Position A	Position B	Position C	Position D	Position E	(V/m)
	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	
141kHz	0.96	0.93	0.94	0.99	1.05	614

H-field strength test result:

Frequency	Probe	Probe	Probe	Probe	Probe	Limit
Range	Position A	Position B	Position C	Position D	Position E	(A/m)
	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	
141kHz	0.34	0.35	0.28	0.37	0.52	1.63

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Test condition: Mode 3

E-field strength test result:

Frequency	Probe	Probe	Probe	Probe	Probe	Limit
Range	Position A	Position B	Position C	Position D	Position E	(V/m)
	(V/m)	(V/m)	(V/m)	(V/m)	(V/m)	
149kHz	0.68	0.63	0.66	0.65	0.77	614

H-field strength test result:

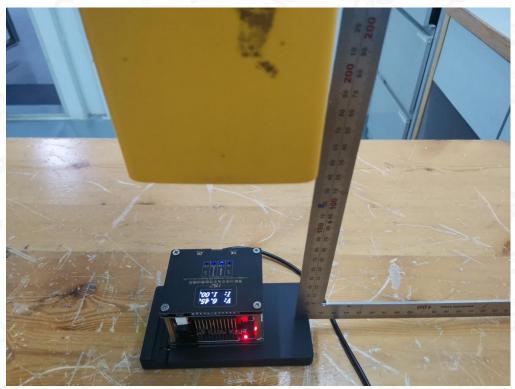
Frequency	Probe	Probe	Probe	Probe	Probe	Limit
Range	Position A	Position B	Position C	Position D	Position E	(A/m)
	(A/m)	(A/m)	(A/m)	(A/m)	(A/m)	
149kHz	0.17	0.14	0.15	0.18	0.25	1.63

Conclusion: The test value is less than 50% MPE limit, which meets the requirements

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC10706210101FH03 Page 12 of 14



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Position E

Position A

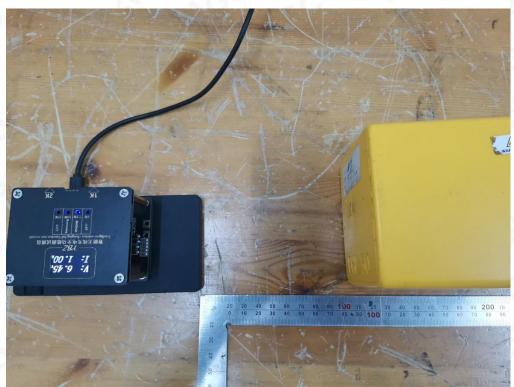


Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pasting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC10706210101FH03 Page 13 of 14

Position B



Position C



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC10706210101FH03 Page 14 of 14

Position D



----END OF REPORT----

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuerce of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.

5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Perturn/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter authorization of AGC, the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc~cert.com.

Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/