

Global United Technology Services Co., Ltd.

Report No.: GTS201911000128E03

RF Exposure REPORT

Applicant:

Address of Applicant:

Manufacturer:

Address of

Manufacturer:

Equipment Under Test (EUT)

Product Name: Air 5W wireless charging journal cover A5

Model No.: P774.06

Applicable standards: EN 62311: 2008

Date of sample receipt: November 20, 2019

Date of Test: November 20-25, 2019

Date of report issue: November 25, 2019

PASS * Test Result:

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The protection requirements with respect to electromagnetic compatibility contained in Directive 2014/53/EU are considered.

Robinson Lo **Laboratory Manager**

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver. Page 1 of 7

^{*} In the configuration tested, the EUT complied with the standards specified above.



2 Version

Version No.	Date	Description		
00	November 25, 2019	Original		

Prepared By:	Joseph Du	Date:	November 25, 2019
	Project Engineer		
Check By:	Jobinsonla	Date:	November 25, 2019
	Reviewer		



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4 General Information

4.1 General Description of EUT

Product Name:	Air 5W wireless charging journal cover A5		
Model No.:	P774.06		
Operation Frequency: 110-205kHz			
Modulation type: Backscatter modulation			
Antenna Type:	Inductive loop coil Antenna		
Antenna Gain:	0dBi		
Power Supply:	Input: DC 5V 2A		
	Output: DC 5V 1A		



4.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC —Registration No.: 381383

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

• IC —Registration No.: 9079A

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

• NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

4.3 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

4.4 Description of Support Units

None.

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.



5 Technical Requirements Specification in EN 62311

5	echnical Requirem		ication ii	I EN 023 I	<u> </u>		
	Test Requirement:	EN 62311					
	Test Method:	EN 62311					
	General Description of Applied Standards	EN 62311 Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz–300 GHz) is to demonstrate the compliance of apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.					
	Limit:	According to EN 62311, the criteria listed in the below table shall be used to evalouate the environmental inpact of human exposure to radio-frequency (RF) radiation as specified table 2 of Council Recommendation 1999/519/EC.					
		Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)					
		Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S _{eq} (W/m²)	
		0-1 Hz	_	3,2 × 104	4 × 104	_	
		1-8 Hz	10 000	3,2 × 104/f ²	$4~\times~10^4\!/f^2$	_	
		8-25 Hz	10 000	4 000/f	5 000/f	_	
		0,025-0,8 kHz	250/f	4/f	5/f	_	
		0,8-3 kHz	250/f	5	6,25	_	
		3-150 kHz	87	5	6,25	_	
		0,15-1 MHz	87	0,73/f	0,92/f	_	
		1-10 MHz	87/f ^{1/2}	0,73/f	0,92/f	_	
		10-400 MHz	28	0,073	0,092	2	
		400-2 000 MHz	1,375 ₽₽	0,0037 f ^{1/2}	0,0046 f ^{1/2}	f/200	
		2-300 GHz	61	0,16	0,20	10	
		Notes:					
		1. f as indicated in the	e frequency range colu	mn.			
	Test method:	method: According to the Far field calculation formula: Far Field Calculation Formula $E = \frac{\sqrt{30PG(\theta,\phi)}}{r}$ $G = \text{antenna gain relative to an isotropic antenna}$ $\theta, \phi = \text{elevation and azimuth angles to point of investigation}$ $r = \text{distance from observation point to the antenna}$					
		The antenna of the product, under normal use condition is at least 20c away from the body of the user. Warning statement of the user for keei 20cm separation distance and the prohibition of operating to a pers has been printed on the user manual. So, this product under normal user located on electromagnetic far field between the human body.					
	Result:	Pass					

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Measurement Data:

Frequency (kHz)	Output Power (mW)	E Field Strength (V/m)	Limit (V/m)	Result
175.00	0.0001	0.0086	4.62	Pass

-----End-----