



# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231200396602

Page: 1 of 12

## Human Exposure Report

**Application No.:** SZCR2312003966AT  
**Applicant:** ASAP Technology(Jiangxi) Co., Ltd.  
**Address of Applicant:** Ji'an Industrial Park, Ji'an, Jiangxi 343100 China  
**Equipment Under Test (EUT):**  
**EUT Name:** Wireless Charger  
**Model No.:** WIAWHT100030217, LACC131 ♣  
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade Mark:** onn.  
**FCC ID:** 2APXNLACC131  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
 47 CFR PART 2, Subpart J, Section 2.1091  
**Date of Receipt:** 2023-12-06  
**Date of Test:** 2023-12-07-2023-12-10  
**Date of Issue:** 2023-12-13

<b>Test Result :</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above

Keny Xu  
EMC Laboratory Manager



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Shenzhen Branch Technical Services Laboratory

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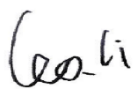
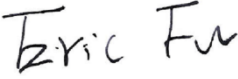
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-12-13		Original

<b>Authorized for issue by:</b>			
			
		Leo Li/Project Engineer	
			
		Eric Fu/Reviewer	



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### 3 General Information

#### 3.1 Details of E.U.T.

Power supply:	Input:DC 5V/2A Output: 5W Max.
Operation frequency:	116.2kHz to 150.6kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

#### Declaration of EUT Family Grouping:

Model No.: WIAWHT100030217, LACC131

Only the model WIAWHT100030217 was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on model No..

#### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC power supply	ZHAOXIN	PS-3005D	REF. No.SEA27B01
E-loading	N/A	N/A	REF. No.SEA42A00
Mobile Phone	SAMSUNG	SM-G9810	REF. No.SEA16K00



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### 3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

### 3.4 Test Facility

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

#### • A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### • VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

#### • FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

#### • Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.



**3.5 Deviation from Standards**

None.

**3.6 Abnormalities from Standard Conditions**

None.

**4 Equipments Used during Test**

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	3m Anechoic Chamber	CRT	N/A	SEM001-13	2025-07-11
2	Electric and Magnetic Field Analyzer	Narda	EHP-200AC	SEM022-20	2024-03-31



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## 5 Test Results

### 5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310  
 47 CFR PART 2, Subpart J, Section 2.1091

Measurement Distance: 20cm

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz

\*=Plane-wave equivalent power density

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).

#### 5.1.1 E.U.T. Operation

##### Operating Environment:

Temperature: 22.3 °C Humidity: 52.9 % RH Atmospheric Pressure: 1020 mbar

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



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**5.1.2 Measurement Data**

The max output power =5W

**Magnetic Field Emissions**

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			unload	Half load	full load		
			129.8 kHz which is the worst case within the operation frequency range	20	Side 1		
Side 2	0.024	0.028	0.038				
Side 3	0.020	0.023	0.030				
Side 4	0.021	0.031	0.030				
Top	0.020	0.024	0.034				







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Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			zero charge	intermediate charge	full charge		
137.2 kHz which is the worst case within the operation frequency range	20	Side 1	0.038	0.032	0.018	0.815	0.163
		Side 2	0.044	0.037	0.021		
		Side 3	0.030	0.025	0.015		
		Side 4	0.036	0.030	0.017		
		Top	0.035	0.029	0.017		



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**Electric Field Emissions**

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (V/m)			50 % Limit (V/m)	10 % Limit (V/m)
			unload	Half load	full load		
			129.8 kHz which is the worst case within the operation frequency range	20	Side 1		
Side 2	0.036	0.105	0.134				
Side 3	0.029	0.111	0.126				
Side 4	0.024	0.094	0.114				
Top	0.028	0.097	0.117				





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Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(V/m)			50 % Limit (V/m)	10 % Limit (V/m)
			zero charge	intermediate charge	full charge		
137.2 kHz which is the worst case within the operation frequency range	20	Side 1	0.113	0.093	0.030	307	61.4
		Side 2	0.108	0.089	0.035		
		Side 3	0.124	0.105	0.028		
		Side 4	0.106	0.089	0.023		
		Top	0.110	0.093	0.026		



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## 6 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR2312003966AT

- End of the Report -



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