



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240100022202

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## Human Exposure Report

**Application No.:** SZCR2401000222AT  
**Applicant:** ASAP Technology(Jiangxi) Co., Ltd.  
**Address of Applicant:** Ji'an Industrial Park Ji'an, Jiangxi 343100 China  
**Manufacturer:** ASAP Technology(Jiangxi) Co., Ltd.  
**Address of Manufacturer:** Ji'an Industrial Park Ji'an, Jiangxi 343100 China  
**Equipment Under Test (EUT):**  
**EUT Name:** Wireless Charger  
**Model No.:** WIABLK100139814  
**Trade Mark:** onn.  
**FCC ID:** 2APXNLACC133  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
47 CFR PART 2, Subpart J, Section 2.1091  
**Date of Receipt:** 2024-01-16  
**Date of Test:** 2024-01-18 to 2024-01-24  
**Date of Issue:** 2024-01-31

<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



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

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-01-31		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/3A, 9V/2.22A Output: 10W Max. DC 5V from adapter input AC 120V/60Hz Adapter Model: LACA215 Input: 100-240V~, 50/60Hz 0.5A Output: 5V = 3.0A, 9V/2.22A
Cable(s):	Type-C cable: 100cm shielded
Operation frequency:	110.2kHz to 145.0kHz
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.

#### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
E-loading	N/A	N/A	REF. No.SEA42A00
iPhone 8	Apple	A1863	REF. No.SEA16J00
Mobile Phone	Nexus	MRA58K	REF. No.SEA16P00
Mobile Phone	SAMSUNG	SM-G9500	REF. No.SEA16J00



### 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.





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### 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 Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2026-03-31
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 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charge mode_Keep the EUT charging(5W)
Pre-scan	01	Charge mode_Keep the EUT charging(7.5W)
Final test	02	Charge mode_Keep the EUT charging(10W)

**5.1.3 Measurement Data**

**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		
118.2 kHz which is the worst case within the operation frequency range	20	Side 1	0.029	0.072	0.088	0.815	0.163
		Side 2	0.033	0.082	0.095		
		Side 3	0.042	0.091	0.103		
		Side 4	0.036	0.069	0.080		
		Top	0.030	0.107	0.120		

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		
129.4 kHz which is the worst case within the operation frequency range	20	Side 1	0.105	0.088	0.044	0.815	0.163
		Side 2	0.119	0.100	0.049		
		Side 3	0.122	0.103	0.052		
		Side 4	0.098	0.082	0.040		
		Top	0.150	0.126	0.062		



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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		
118.2 kHz which is the worst case within the operation frequency range	20	Side 1	0.036	0.130	0.169	307	61.4
		Side 2	0.034	0.123	0.164		
		Side 3	0.040	0.138	0.183		
		Side 4	0.043	0.110	0.147		
		Top	0.029	0.158	0.206		

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		
129.4 kHz which is the worst case within the operation frequency range	20	Side 1	0.148	0.124	0.070	307	61.4
		Side 2	0.144	0.119	0.074		
		Side 3	0.161	0.133	0.082		
		Side 4	0.129	0.105	0.059		
		Top	0.181	0.152	0.092		



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## 6 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR2401000222AT

- End of the Report -



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