



## Human Exposure Report

**Application No.:** SZEM1912021491CR  
**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  
**Factory:** LUXSHARE-ICT (VIETNAM) LIMITED  
**Address of Factory:** E Lot, Quang Chau Industrial zone, Quang Chau Commune, Viet Yen district, Bac Giang Province, Vietnam  
**Equipment Under Test (EUT):**  
**EUT Name:** Foldable Desk Lamp with Wireless Charging Pad  
**Model No.:** LACA118, WIAWHT100010820 ♣  
♣ 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:** 2APXNLACA118  
**Standards:** 47 CFR PART 1, Subpart I, Section 1.1310  
47 CFR PART 2, Subpart J, Section 2.1091  
**Date of Receipt:** 2019-12-23  
**Date of Test:** 2019-12-23 to 2020-01-15  
**Date of Issue:** 2020-01-16

|                      |              |
|----------------------|--------------|
| <b>Test Result :</b> | <b>Pass*</b> |
|----------------------|--------------|

\* In the configuration tested, the EUT complied with the standards specified above

Kenx. Xu

Kenx Xu  
EMC Laboratory Manager



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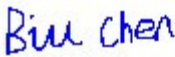
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Report No.: SZEM191202149103  
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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2020-01-16 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |  |                                                                                     |  |  |
|--------------------------|--|-------------------------------------------------------------------------------------|--|--|
| Authorized for issue by: |  |                                                                                     |  |  |
|                          |  |    |  |  |
|                          |  | Bill Chen /Project Engineer                                                         |  |  |
|                          |  |  |  |  |
|                          |  | Eric Fu /Reviewer                                                                   |  |  |



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Shenzhen Branch (CMAA, CNAS, CEC Laboratory)

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### 3 General Information

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

Power supply: AC adapter:  
Model:WIAWHT100010820  
Input:AC 100-240V 50/60Hz 0.35A  
Output:DC 5V 2.4A  
Output 1:Wireles Charger DC 5V 1A  
Output 2:LED 5W Max1

Operation frequency: 111.859-193.590kHz

Antenna Type: Loop Antenna

Modulation Type: Load Modulation

Antenna Gain: 0dBi

**Remark:**

Model No.: LACA118, WIAWHT100010820

Only the model WIAWHT100010820 was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model No..

#### 3.2 Description of Support Units

| Description       | Manufacturer | Model No. | Serial No.  |
|-------------------|--------------|-----------|-------------|
| SAMSUNG Galaxy S8 | SAMSUNG      | SM-G9500  | R28J9140LPB |



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Shenzhen Branch (CMAA) Testing Laboratory

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### 3.3 Test Location

All tests were performed at:

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

No. 1 Workshop, M-10, Middle section, Science & Technology Park, 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**

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. 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: CN1178**

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

Designation Number: CN1178. Test Firm Registration Number: 406779.

• **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.



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## 4 Equipments Used during Test

| Item | Test Equipment                       | Manufacturer | Model No. | Inventory No. | Cal. Due date |
|------|--------------------------------------|--------------|-----------|---------------|---------------|
| 1    | Electric and Magnetic Field Analyzer | Narda        | EHP-50F   | EMC092        | 2020-02-05    |



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## 5 Test Results

### 5.1 RF Exposure test

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

Measurement Distance: 15cm

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: 24.0 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar

##### EUT Operation:

This device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



## 5.1.2 Measurement Data

**Output Voltage=DC 5V; The max output power =5W**

### Magnetic Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result (A/m) | 50% Limit (A/m) |
|---------------------|--------------------|---------------|----------------------------|-----------------|
| 141 kHz             | 15                 | Side 1        | 0.0893                     | 0.815           |
|                     |                    | Side 2        | 0.0747                     | 0.815           |
|                     |                    | Side 3        | 0.0852                     | 0.815           |
|                     |                    | Side 4        | 0.0761                     | 0.815           |
|                     |                    | Top           | 0.0568                     | 0.815           |

**Mobile phone has been charge at zero charge, intermediate charge, and full charge.**

### Magnetic Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result(A/m) |                     |             | 50%Limit (A/m) |
|---------------------|--------------------|---------------|---------------------------|---------------------|-------------|----------------|
|                     |                    |               | zero charge               | intermediate charge | full charge |                |
| 141 kHz             | 15                 | Side 1        | 0.0998                    | 0.0882              | 0.0845      | 0.815          |
|                     |                    | Side 2        | 0.0874                    | 0.0743              | 0.0693      | 0.815          |
|                     |                    | Side 3        | 0.0949                    | 0.0838              | 0.0796      | 0.815          |
|                     |                    | Side 4        | 0.0882                    | 0.0743              | 0.0703      | 0.815          |
|                     |                    | Top           | 0.0683                    | 0.0541              | 0.0498      | 0.815          |

- End of the Report -

