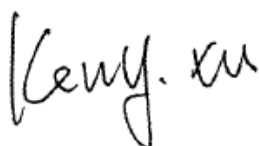


Human Exposure Report

Application No.: SZEM2101001356CR
Applicant: Harman International Industries, Inc.
Address of Applicant: 8500 Balboa Boulevard, Northridge, California, 91329, United States
Manufacturer: Harman International Industries, Inc.
Address of Manufacturer: 8500 Balboa Boulevard, Northridge, California, 91329, United States
Factory: ASAP Technology (Jiangxi) Co., Ltd.
Address of Factory: Ji'an Industrial Park, Ji'an, Jiangxi 343100 China
Equipment Under Test (EUT):
EUT Name: Wireless Charging Station
Model No.: ILINSSTAND
Trade mark: INFINITYLAB
FCC ID: APIINFILINSSTAND
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
 47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt: 2021-01-29
Date of Test: 2021-02-05 to 2021-02-23
Date of Issue: 2021-03-30

| | |
|----------------------|--------------|
| Test Result : | Pass* |
|----------------------|--------------|

* 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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-a-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



| <i>Revision Record</i> | | | | |
|------------------------|----------------|-------------|-----------------|---------------|
| Version | Chapter | Date | Modifier | Remark |
| 01 | | 2021-03-30 | | Original |
| | | | | |
| | | | | |

| | | | |
|---------------------------------|--|-------------------------------------|--|
| Authorized for issue by: | | | |
| | | <i>Benson Wang</i> | |
| | | Benson Wang/Project Engineer | |
| | | <i>Eric Fu</i> | |
| | | Eric Fu/Reviewer | |



2 Contents

| | | |
|----------|--|-------------------------------------|
| 1 | COVER PAGE | 1 |
| 2 | CONTENTS | 3 |
| 3 | GENERAL INFORMATION | 4 |
| 3.1 | DETAILS OF E.U.T. | 4 |
| 3.2 | DESCRIPTION OF SUPPORT UNITS | 4 |
| 3.3 | TEST LOCATION | 5 |
| 3.4 | TEST FACILITY | 5 |
| 3.5 | DEVIATION FROM STANDARDS | 5 |
| 3.6 | ABNORMALITIES FROM STANDARD CONDITIONS | 5 |
| 4 | EQUIPMENTS USED DURING TEST | 6 |
| 5 | TEST RESULTS | 7 |
| 5.1 | RF EXPOSURE TEST | 7 |
| 5.1.1 | E.U.T. Operation | 7 |
| 5.1.2 | Measurement Data..... | Error! Bookmark not defined. |



3 General Information

3.1 Details of E.U.T.

| | |
|----------------------|--|
| Power supply: | Powered by adapter: Adapter Model: ILADPT33W Input: AC 100 - 240V, 50/60Hz, 1,5A; Output: DC 21.0V / 2.14A, 44.9W |
| Cable(s): | DC cable of adapter: 146cm unshielded |
| Operation frequency: | 126.500kHz to 129.000kHz |
| Modulation Type: | Load Modulation |
| Antenna Type: | Loop Antenna Remark: The transfer system includes only single primary and secondary coils, the clients that are able to detect and allow coupling only between individual pairs of coils. |
| Remark: | This device has been tested the worst status of full load and the device has been tested with load at 5W, 7.5W 10W and 15W, the worst case 15W working with primary coil is reported only. |

3.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-----------------|-----------------|-----------|------------------|
| Mobile Phone | SAMSUNG | SM-G9810 | REF. No.SEA16K00 |
| Electronic load | Provided by SGS | N/A | N/A |



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.



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 | 2021-11-26 |



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: 15cm

Limit:

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (A) Limits for Occupational/Controlled Exposures | | | | |
| 0.3-3.0 | 614 | 1.63 | *(100) | 6 |
| 3.0-30 | 1842/f | 4.89/f | *(900/f ²) | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | / | / | f/300 | 6 |
| 1500-100,000 | / | / | 5 | 6 |
| (B) Limits for General Population/Uncontrolled Exposure | | | | |
| 0.3-1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34-30 | 824/f | 2.19/f | *(180/f ²) | 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: 1015 mbar

This device has been tested the worst state of full load and the 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 =15W;Calculation of resistor value=1.7Ω

Magnetic Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result (A/m) | 50% Limit (A/m) |
|---------------------|--------------------|---------------|----------------------------|-----------------|
| 127kHz | 15 | Side 1 | 0.0861 | 0.815 |
| | | Side 2 | 0.0754 | 0.815 |
| | | Side 3 | 0.0862 | 0.815 |
| | | Side 4 | 0.0757 | 0.815 |
| | | Top | 0.0645 | 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 | |
| 127kHz | 15 | Side 1 | 0.0930 | 0.0801 | 0.0677 | 0.815 |
| | | Side 2 | 0.0837 | 0.0682 | 0.0613 | 0.815 |
| | | Side 3 | 0.0914 | 0.0772 | 0.0710 | 0.815 |
| | | Side 4 | 0.0818 | 0.0689 | 0.0582 | 0.815 |
| | | Top | 0.0499 | 0.0568 | 0.0513 | 0.815 |

- End of the Report -

