

Human Exposure Report

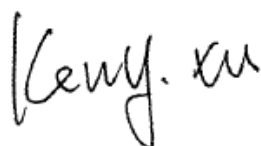
Application No.: SZEM1906015489CR
Applicant: HandStandsPromo LLC
Address of Applicant: 1420 S. 4800 W. Suite A Salt Lake City Utah United States
Manufacturer: HandStandsPromo LLC
Address of Manufacturer: 1420 S. 4800 W. Suite A Salt Lake City Utah United States
Factory: Amitec Industrial Inc.
Address of Factory: Unit1706, Rongchao Building A, Haixiu Road, Bao'An District, Shenzhen City, Guangdong Province, China

Equipment Under Test (EUT):

EUT Name: AirCore1
Model No.: K00111
Trade mark: Numi
FCC ID: 2AMZYAIRCORE1
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt: 2019-06-21
Date of Test: 2019-06-21 to 2019-08-09
Date of Issue: 2019-08-12

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

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



Keny Xu
 EMC Laboratory Manager



| <i>Revision Record</i> | | | | |
|------------------------|----------------|-------------|-----------------|---------------|
| <i>Version</i> | <i>Chapter</i> | <i>Date</i> | <i>Modifier</i> | <i>Remark</i> |
| 01 | | 2019-08-12 | | Original |
| | | | | |
| | | | | |

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



2 Contents

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3 General Information

3.1 Details of E.U.T.

| | |
|----------------------|---|
| Power supply: | DC input 12V Input:DC 5V/2A,9V/1.67A Wireless Output:5W/7.5W/10W |
| Antenna Type: | Loop Antenna |
| Antenna Gain: | 0dBi |
| Modulation Type: | Load Modulation |
| Operation Frequency: | 111.538kHz to 204.327kHz |
| Remark: | This device has been tested the worst status of full load and the device has been tested with load at 5W, 7.5W and 10W,the worst case 10W (DC 9V/1.67A) is reported only. |

3.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------------|--------------|-----------|-----------------|
| Adapter | SAMSUNG | EP-TA200 | R37J8YA7W71DK3 |
| Micro USB Cable | PHILIPS | SWR2101 | REF. No.SEA0700 |
| Load Resistor | SGS | BX7-14 | REF. No.SEA3700 |
| SAMSUNG Galaxy S8 | SAMSUNG | SM-G9500 | R28J9140LPB |
| iPhone 8 | Apple | A1863 | F4GVQ656JC6D |



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:

• **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• **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 | Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
|------|---------------------------------------|------------------------|----------|--------------|------------|--------------|
| 1 | Electric Field Probe (100KHz-3GHz) | WANDEL & GOLTERMANN | EMR-20 | EMC0907 | 2019-05-21 | 2020-05-20 |
| 2 | EMF Tester | Narda | ELT-400 | SZE039-4 | 2019-07-08 | 2020-07-07 |



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 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: 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 9V; The max output power =10W;

Electric Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result (V/m) | 50% Limit (V/m) |
|---------------------|--------------------|---------------|----------------------------|-----------------|
| 126 kHz | 15 | Side 1 | 2.51 | 307 |
| | | Side 2 | 3.95 | 307 |
| | | Side 3 | 2.34 | 307 |
| | | Side 4 | 3.68 | 307 |
| | | Top | 1.63 | 307 |

Magnetic Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result (A/m) | 50% Limit (A/m) |
|---------------------|--------------------|---------------|----------------------------|-----------------|
| 126 kHz | 15 | Side 1 | 0.1259 | 0.815 |
| | | Side 2 | 0.1934 | 0.815 |
| | | Side 3 | 0.1033 | 0.815 |
| | | Side 4 | 0.1648 | 0.815 |
| | | Top | 0.0834 | 0.815 |



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

Electric Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result(V/m) | | | 50%Limit (V/m) |
|---------------------|--------------------|---------------|---------------------------|---------------------|-------------|----------------|
| | | | zero charge | intermediate charge | full charge | |
| 126 kHz | 15 | Side 1 | 2.76 | 2.57 | 2.38 | 307 |
| | | Side 2 | 4.21 | 3.93 | 3.68 | 307 |
| | | Side 3 | 2.65 | 2.44 | 2.22 | 307 |
| | | Side 4 | 3.99 | 3.74 | 3.53 | 307 |
| | | Top | 1.88 | 1.61 | 1.43 | 307 |

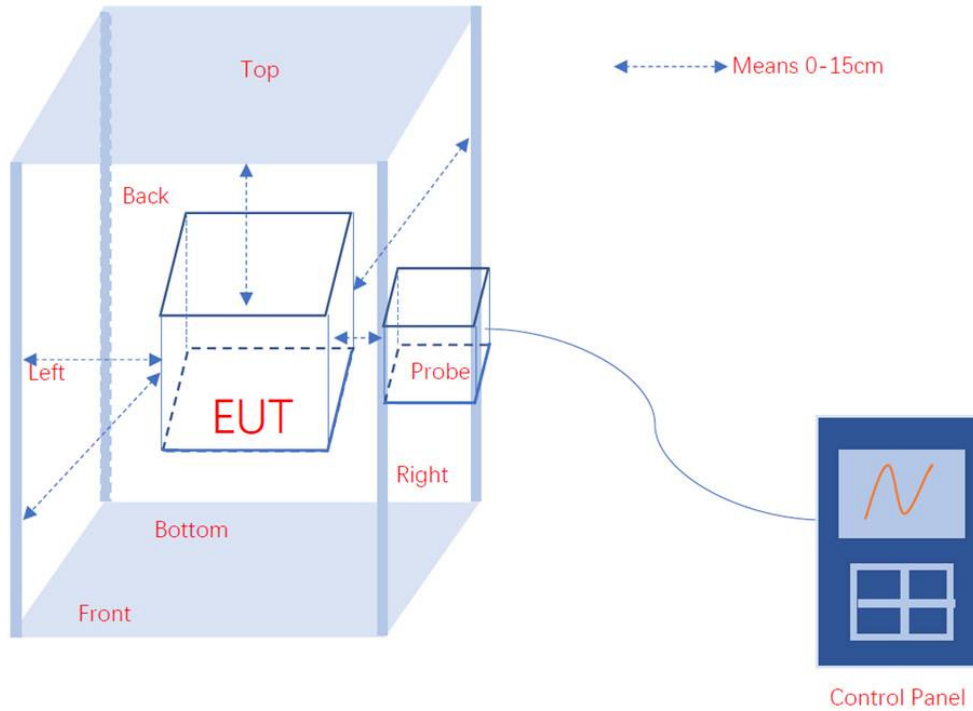
Magnetic Field Emissions

| Operation frequency | Test Distance (cm) | Test Position | Probe Measure Result(A/m) | | | 50%Limit (A/m) |
|---------------------|--------------------|---------------|---------------------------|---------------------|-------------|----------------|
| | | | zero charge | intermediate charge | full charge | |
| 126 kHz | 15 | Side 1 | 0.1363 | 0.1231 | 0.1086 | 0.815 |
| | | Side 2 | 0.2043 | 0.1882 | 0.1738 | 0.815 |
| | | Side 3 | 0.1132 | 0.1016 | 0.0857 | 0.815 |
| | | Side 4 | 0.1774 | 0.1617 | 0.1474 | 0.815 |
| | | Top | 0.0931 | 0.0805 | 0.0665 | 0.815 |



6 Photographs

6.1 Test setup photos



- End of the Report -

