



Test Report No.: FM190508N014

# RF EXPOSURE REPORT

|           |   |
|-----------|---|
| Applicant | Shenzhen Orderly Electronics Co., Ltd   |
| Address   | 4F, Building7, Asian Industrial Park,Bantian Street, Longgang District, Shenzhen, China |

|                                     |   |
|-------------------------------------|---|
| Manufacturer or Supplier            | Shenzhen Orderly Electronics Co., Ltd   |
| Address                             | 4F, Building7, Asian Industrial Park,Bantian Street, Longgang District, Shenzhen, China |
| Product                             | Fast Wireless Charging Windshield/Dash Mount  |
| Brand Name                          | blackweb& CRAIG & MAGNAVOX  |
| Model                               | BWA19AV906  |
| Additional Model & Model Difference | CCH3350, MCH3350, MMH3350, See items 1  |
| Date of tests                       | May 09, 2019 ~ May 22, 2019   |

47 CFR PART 1, Subpart I, Section 1.1310

KDB 680106 D01

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Breeze Jiang  
Project Engineer / EMC Department

Approved by Glyn He  
Supervisor/ EMC Department

Date: May 24, 2019

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Bureau Veritas Shenzhen Co., Ltd.  
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie  
Town, Dongguan City,  
Guangdong 523942, China

Tel: +86 769 8998 2098  
Fax: +86 769 8593 1080  
Email: [customerservice.dg@cn.bureauveritas.com](mailto:customerservice.dg@cn.bureauveritas.com)



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**BUREAU**  
**VERITAS**

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## RELEASE CONTROL RECORD

| ISSUE NO.    | REASON FOR CHANGE | DATE ISSUED  |
|--------------|-------------------|--------------|
| FM190508N014 | Original release  | May 24, 2019 |

**Bureau Veritas Shenzhen Co., Ltd.**  
**Dongguan Branch**

No. 34, Chenwulu Section, Guantai Rd., Houjie  
Town, Dongguan City,  
Guangdong 523942, China

Tel: +86 769 8998 2098  
Fax: +86 769 8593 1080  
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**BUREAU  
VERITAS**

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## 1. CERTIFICATION

|                        |  |
|------------------------|--|
| <b>FCC ID:</b>         | 2AD5YWCCH3350A   |
| <b>PRODUCT:</b>        | Fast Wireless Charging Windshield/Dash Mount               |
| <b>BRAND NAME:</b>     | Blackweb, CRAIG, MAGNAVOX                                  |
| <b>MODEL:</b>          | BWA19AV906   |
| <b>ADDITIONAL NO.:</b> | CCH3350, MCH3350, MMH3350                                  |
| <b>APPLICANT:</b>      | Shenzhen Orderly Electronics Co., Ltd                      |
| <b>STANDARDS:</b>      | 47 CFR PART 1, Subpart I, Section 1.1310<br>KDB 680106 D01 |

**NOTE:**

1. Additional models CCH3350, MCH3350, MMH3350 are identical with the test model BWA19AV906 except the model number and trade name for marketing purpose.

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## 2. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below

| Description  | Manufacturer | Model No.  | Serial No. |
|--------------|--------------|------------|------------|
| Mobile phone | SAMSUNG      | SM-G950FD  | N/A        |
| Mobile phone | APPLE        | A1865      | N/A        |
| Adapter      | SAMSUNG      | EP-TA20JBS | N/A        |
| Adapter      | APPLE        | A1299      | N/A        |

Remarks: worst-case test result was shown on the report only.

Worst Case mode test result shown on the report

### 2.1 TEST LOCATION

All tests were performed at:

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie Town, Dongguan City, Guangdong 523942, China

Tel: +86 769 8998 2098

Fax: +86 769 8593 1080

### 2.2 DEVIATION FROM STANDARDS

None

### 2.3 ABNORMALITIES FROM STANDARD CONDITIONS

None

## 3. EQUIPMENTS USED DURING TEST

| Item | Test Equipment           | Manufacturer  | Model No. | Inventory No. | Car.Due date. |
|------|--------------------------|---------------|-----------|---------------|---------------|
| 1    | 3m Semi-Anechoic Chamber | ETS-LINDGRE N | 8m*4m*4m  | NSEMC003      | 2020-03-19    |
| 2    | Exposure Level Tester    | Narda         | ELT-400   | L-0012        | 2019-11-08    |
| 3    | B-field Probe            | Narda         | Y2006     | L-0017        | 2019-11-08    |

- NOTE:**
1. The test was performed in RS chamber.
  2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

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## 4. TEST RESULTS

### 4.1 RF EXPOSURE TEST

|                       |  |
|-----------------------|--|
| Test Requirement:     | 47 CFR PART 1, Subpart I, Section 1.1310 |
| Measurement Distance: | 15/20cm                                  |
| Test voltage:         | DC 9V from Adapter input AC 120V/60Hz    |

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).

#### 4.1.1 EUT OPERATION

##### Operating Environment:

Temperature: 25.0°C    Humidity: 51.2% RH    Atmospheric Pressure: 1015 mbar

##### EUT Operation:

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.



#### 4.1.2 MEASUREMENT DATA

Output Voltage=DC 9V; The max output power =10W  
Wireless radiation frequency: 110KHz ~ 205KHz

##### Electric Field Emissions

| Test Position | Test Distance (cm) | Probe Measure Result (V/m) | Limit (V/m) |
|---------------|--------------------|----------------------------|-------------|
| Side 1        | 15                 | 3.03                       | 614         |
| Side 2        | 15                 | 2.99                       | 614         |
| Side 3        | 15                 | 2.67                       | 614         |
| Side 4        | 15                 | 2.68                       | 614         |
| Top           | 20                 | 2.81                       | 614         |
| Bottom        | 15                 | 3.14                       | 614         |

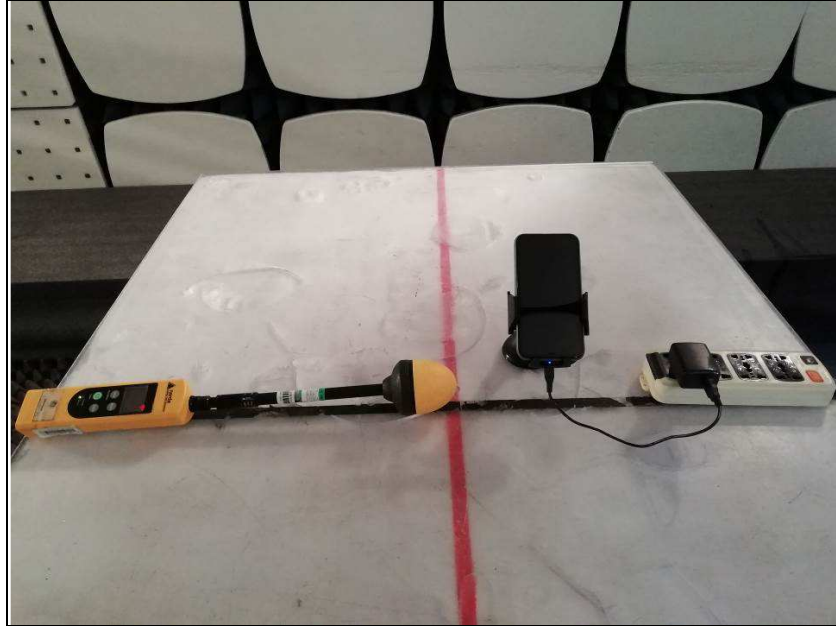
##### Magnetic Field Emissions

| Test Position | Test Distance (cm) | Probe Measure Result (A/m) | Limit (A/m) |
|---------------|--------------------|----------------------------|-------------|
| Side 1        | 15                 | 0.0105                     | 1.63        |
| Side 2        | 15                 | 0.081                      | 1.63        |
| Side 3        | 15                 | 0.085                      | 1.63        |
| Side 4        | 15                 | 0.054                      | 1.63        |
| Top           | 20                 | 0.128                      | 1.63        |
| Bottom        | 15                 | 0.0175                     | 1.63        |

Note: All modes have been tested and we only record the worst test result in full load mode.

## PHOTOGRAPHS OF THE TEST CONFIGURATION

Electric Field



Magnetic Field



--- END ---