



Test Report No.: FM190312N016

# 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	Mar. 12, 2019 ~ Apr. 15, 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 Ryan Lu  
Project Engineer / EMC Department

Approved by Glyn He  
Supervisor/ EMC Department

Date: Apr. 17, 2019

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190312N016	Original release	Apr. 17, 2019

**Bureau Veritas Shenzhen Co., Ltd.**  
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## 1. CERTIFICATION

<b>FCC ID:</b>	2AD5YWCCH3350
<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 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.



## 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
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

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### 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	9m*6m*6m	NSEMC003	2019-03-19
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.



## 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: 22.0°C Humidity: 47% 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	3.45	614
Side 2	15	2.89	614
Side 3	15	3.12	614
Side 4	15	4.34	614
Top	20	5.25	614
Bottom	15	2.76	614

##### Magnetic Field Emissions

Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)
Side 1	15	0.0031	1.63
Side 2	15	0.0143	1.63
Side 3	15	0.0156	1.63
Side 4	15	0.0177	1.63
Top	20	0.0234	1.63
Bottom	15	0.0089	1.63

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



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## PHOTOGRAPHS OF THE TEST CONFIGURATION

Electric Field



Magnetic Field



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