RF EXPOSURE REPORT

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

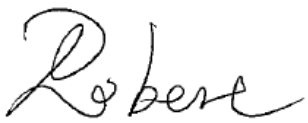
Manufacturer or Supplier	Shenzhen Orderly Electronics Co., Ltd
Address	4F, Building7, Asian Industrial Park, Bantian Street, Longgang District, Shenzhen, China
Product	Bluetooth FM Transmitter
Brand Name	blackweb& CRAIG & MAGNAVOX
Model	BWB17AV004
Additional Model & Model Difference	CMA3336, MMA3336
Date of tests	Jul. 13, 2018 ~ Jul. 27, 2018

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

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

Tested by Robert Cheng Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Jul. 31, 2018

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180713N049	Original release	Jul. 31, 2018

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1. CERTIFICATION

FCC ID:	2AD5YFMBT1736A
PRODUCT:	Bluetooth FM Transmitter
BRAND NAME:	blackweb& CRAIG & MAGNAVOX
MODEL NO.:	BWB17AV004
ADDITIONAL NO.:	CMA3336, MMA3336
APPLICANT:	Shenzhen Orderly Electronics Co., Ltd
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-0.5	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	-3	+-2	-5	-1
8DPSK	2402-2480	-3	+-2	-5	-1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-2.38
8DPSK	2441	-2.98

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-1	-0.5	20	0.000141	1.0

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