



BUREAU  
VERITAS

Test Report No.: FM171114N038

## RF EXPOSURE REPORT

Applicant	World of Watersports Limited
Address	Unit B, 3/F Eton Building, 288 Des Voeux Road, Central, Hong Kong

Manufacturer or Supplier	Top Loyal Electronics Co.,Ltd
Address	NO.22 GuangMing Ave, Dongcheng district, DongGuan city, GuangDong Province 523126
Product	WOW-SOUND SPEAKER
Brand Name	World of Watersports
Model	179001
Additional Model & Model Difference	179011, 179021, 179031, 179041, 179051; See item 1
Date of tests	Nov. 14. 2017 ~ Jan. 19. 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 Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department

Date: Jan. 30, 2018

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM171114N038	Original release	Jan. 30, 2018

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## 1. CERTIFICATION

<b>FCC ID:</b>	2AK26-179001
<b>PRODUCT:</b>	WOW-SOUND SPEAKER
<b>BRAND NAME:</b>	World of Watersports
<b>MODEL NO.:</b>	179001
<b>ADDITIONAL NO.:</b>	179011, 179021, 179031, 179041, 179051
<b>APPLICANT:</b>	World of Watersports Limited
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

**Note:** Additional models 179011, 179021, 179031, 179041, 179051 are identical with the test model 179001 except the appearance color and model number for marketing purpose.



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## 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 <sup>2</sup> )	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<sup>2</sup>

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**.



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## 5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2	Integral 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)
BT-LE	2402-2480	-1	+2	-3	1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE	2440	0.41

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	1	2	20	0.000397	1.0

--- END ---