



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

FCC ID:	2AK26-179001
PRODUCT:	WOW-SOUND SPEAKER
BRAND NAME:	World of Watersports
MODEL NO.:	179001
ADDITIONAL NO.:	179011, 179021, 179031, 179041, 179051
APPLICANT:	World of Watersports Limited
STANDARDS:	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.

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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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	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 ²)	LIMIT (mW/cm ²)
2402-2480	1	2	20	0.000397	1.0

--- END ---