

RF EXPOSURE REPORT

Report No.: DDT-B24022310-2E10

Applicant	:	Sublue Underwater AI Co., Ltd.
Address	:	No1, Quanzhou Road, Zhongguancun Science And Tech. Park, Binhai Tianjin China
Equipment under Test	:	Sublue Underwater Scooter
Model No.	:	Vapor
Trade Mark	:	SUBLUE
FCC ID	:	2ASEE-AP8001
Manufacturer	:	Sublue Underwater AI Co., Ltd.
Address	:	No1, Quanzhou Road, Zhongguancun Science And Tech. Park, Binhai Tianjin China

Issued By: Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weishi Road, Microelectronics Industrial Park Development Area, Tianjin, China

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REPORT

TABLE OF CONTENTS

	Test report declares.....	3
1.	General information	5
1.1.	Description of Equipment.....	5
1.2.	Assess laboratory	6
2.	RF Exposure Evaluation	7
2.1.	Requirement	7
2.2.	Estimation result	7

TEST REPORT DECLARE

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Tianjin Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Tianjin Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-B24022310-2E10		
Date of Receipt:	Feb. 23, 2024	Date of Test:	Feb. 23, 2024 ~ Apr. 23, 2024

Prepared By:

Sunny Zhang

Sunny Zhang/Engineer

Approved By:

Aaron Zhang

Aaron Zhang/Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Tianjin Dongdian Testing Service Co., Ltd.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Apr. 23, 2024	

1. General information

1.1. Description of Equipment

EUT* Name	: Subblue Underwater Scooter
Model Number	: Vapor
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 33.6V by Polymer Li-ion built-in battery
Radio Specification	: Bluetooth (LE)
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK
Data Rate	: 1 Mbps, 2Mbps
Antenna Type	: FPC antenna, maximum PK gain: 0.29 dBi
Target power and tolerance	: BLE -11±2dBm

1.2. Assess laboratory

Tianjin Dongdian Testing Service Co., Ltd.

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NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2. RF Exposure Evaluation

2.1. Requirement

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

- ® This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

2.2. Estimation result

Worst Mode	Max. Turn-up EIRP (dBm)	Max. Turn-up EIRP (mW)	Limit (mW)
BLE	-8.71	0.135	1

Simultaneous:

The sum of the maximum power (BLE) duty cycle and the maximum field strength duty cycle (WPT) is less than 1: $(0.135/1)\% + (0.545/1.63)\% = 46.93\% < 1$

END OF REPORT