

RF EXPOSURE REPORT

Applicant	:	Sublue Underwater AI Co.,Ltd.
Address	:	Building 7, Jinbin Development Industrial Park, #45Muning Road, TEDA.TianJin China.
Manufacturer	:	Sublue Underwater AI Co.,Ltd.
Address	:	Building 7, Jinbin Development Industrial Park, #45Muning Road, TEDA.TianJin China.
Equipment under Test	:	Sublue Underwater Scooter
Model No.	:	Vapor Pro
Trade Mark	:	SUBLUE
FCC ID	:	2ASEE-AP8003
Report No.	:	LS-R26032023-12F05
Issue Date	:	May. 25, 2026

LabSure Testing Services (Suzhou) Co., Ltd.



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Test Report Declare

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Standard Used:

47 CFR FCC part1.1307(b)& Part1.1310; KDB680106 D01 Wireless Power Transfer v04.

We Declare:

The equipment described above is assessed by LabSure Testing Services (Suzhou) Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and LabSure Testing Services (Suzhou) 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:	LS-R26032023-12F06		
Sample No:	Y26032023-08		
Date of Receipt:	Apr. 07, 2026	Date of Test:	Apr. 07, 2026~ May. 24, 2026

Prepared By:

Bacon Dong

Bacon Dong/Engineer

Reviewed By:

leon wu

Leon Wu/Director

Authorized By:

Chris Zhong

Chris Zhong/Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Suzhou) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	May. 25, 2026	

1. General information

1.1. Description of Equipment

EUT Name	: Subblue Underwater Scooter
Model Number	: Vapor Pro
EUT Function Description	: Please reference user manual of this device
Power supply	: DC 33.6V by Polymer Li-ion built-in battery
Max. Output Power	: 5W (Max.)
Wireless charging Operation frequency	: 317kHz
Antenna Type	: Inductive loop coil antenna
Antenna Gain	: 0 dBi (Declare by customer and the lab isn't responsible for the value)

Note: EUT is the ab. of equipment under test.

1.2. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
N/A	N/A	N/A	N/A	N/A

1.3. Coil Specification

Item	Parameter
Input inductance:	L1: 18 μ H $\pm$ 10%
Material of enclosure(s):	Silk-covered Wire
Number of turns:	Transmitter: 2 layers /18 turns

1.4. Assess laboratory

Lab Information	Company Name: LabSure Testing Services (Suzhou) Co., Ltd. Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China. Tel: +86-0512-62531270, E-mail: labsure@lab-sure.com, www.lab-sure.com
Accreditation Certificate	A2LA (Certificate No.: 7346.01) LabSure Testing Services (Suzhou) Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1397) LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 32952; CAB No.:CN0182) LabSure Testing Services (Suzhou) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.

Note 1: All tests measurement facilities use to collect the measurement data are located at Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China

Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.

Note 3: The test anechoic chamber in LabSure Testing Services (Suzhou) Co., Ltd. had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

2. Equipment used during test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Exposure Level Tester	Narda	ELT-400	M-0425	2025/07/17	1 Year
B-Field Probe	Narda	100 cm ² Probe	M-0440	2025/07/17	1 Year
Field Strength Meter	Wavecontrol	SMP2	20SN1419	2026/02/06	3 Year
Field Probe	Wavecontrol	WPF8	20WP041176	2026/02/06	3 Year
Test Software	SKET	EMC-H	V1.0.0.2	N/A	N/A

3. Method of measurement

3.1. Applicable standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

According KDB680106 D01 Wireless Power Transfer v04.

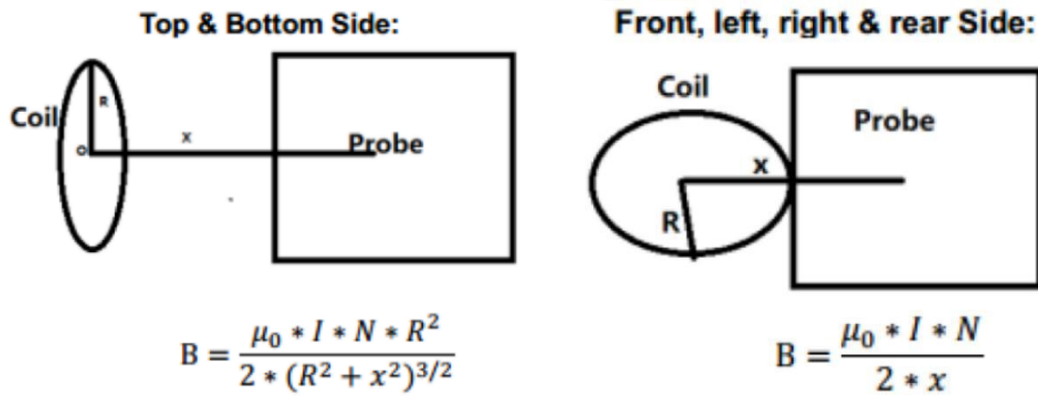
3.2. Description of the test mode

Equipment under test was operated during the measurement under the following conditions:

Test Mode	Description	
Mode 1	EUT (Battery Status: < 1%)	record
Mode 2	EUT (Battery Status: < 50%)	record
Mode 3	EUT (Battery Status: < 99%)	record
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

3.3. Test procedure

- 1) The RF exposure test was performed in shielded chamber.
- 2) The measurement probe was placed at test distance (2cm increments from 0 ~ 20 cm for all sides for portable mode, 15 cm from all sides and 20 cm from the top for mobile mode) which is between the edge of the charger and the geometric edge of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each point (Front, Rear, Left, Right, Top, Bottom) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.
- 5) According to the requirements in KDB 680106 D01 v04, If the center of the probe sensing element is located more than 5mm from the probe outer surface, the field strengths need to be estimated through modeling for those positions that are not reachable. (The sensitive elements are located approximately 62.5mm below the external surface specified in user manual of Narda ELT-400)
- 6) Use Biot-Savart Law, the value of 0 cm can be estimated through the results of 2 cm, according to the formula:



Remark:

B: H-field (Unit:T)

μ_0 : Space permeability = $4 * \pi * 10^{-7}$

I (Unit: A): The current element passing through a radiated coil

R: Radius of radiated coil, according to the coil specification: R=0.02m

X: The distance from the sensing elements of the probe to the edge of the radiated coil (the dimensions of EUT and load are taken into account), (Unit: m)

N: Turns of the radiated coil, according to the coil specification: N=18.

3.4. Maximum Permissible Exposure

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

Table 1 to §1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500				6
1500-100000				6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100000			1.0	30

f = frequency in MHz

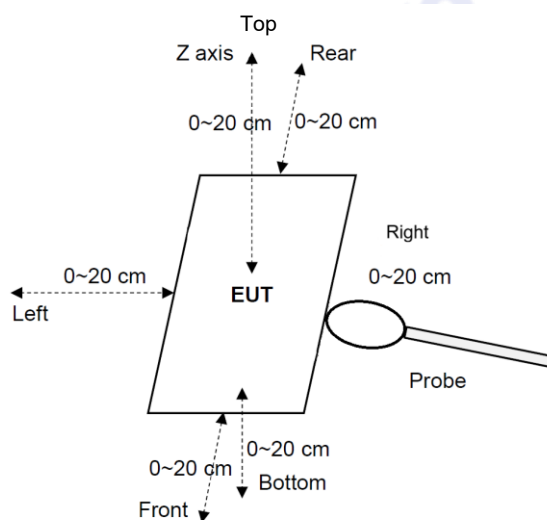
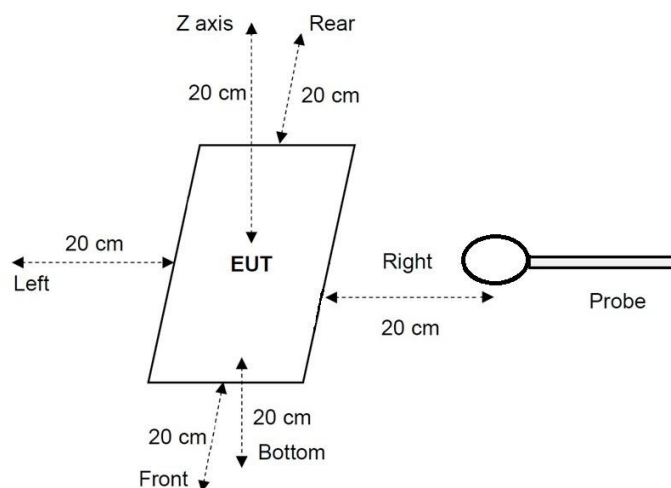
* = Plane-wave equivalent power density

Note 1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Note 2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their

employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

3.5. Test Setup



3.6. Test Result

Test mode for wireless charger, output 5W:

Mode 1				
Test Distance (cm)	Battery Level	Probe from EUT Side	E-Field (V/m)	H-Field (A/m)
20	< 1%	Top	0.37	0.061
20	< 1%	Left	0.58	0.057
20	< 1%	Right	0.62	0.053
20	< 1%	Front	0.46	0.041
20	< 1%	Rear	0.48	0.038
20	< 1%	Bottom	0.39	0.042
MPE Limit			614	1.63
50% MPE Limit			307	0.815
Result			Pass	Pass

Note: 20cm distance MPE Limit for WPT is 50% MPE limit

Mode 2				
Test Distance (cm)	Battery Level	Probe from EUT Side	E-Field (V/m)	H-Field (A/m)
20	< 50%	Top	0.35	0.055
20	< 50%	Left	0.54	0.056
20	< 50%	Right	0.61	0.051
20	< 50%	Front	0.45	0.039
20	< 50%	Rear	0.46	0.037
20	< 50%	Bottom	0.36	0.041
MPE Limit			614	1.63
50% MPE Limit			307	0.815
Result			Pass	Pass

Note: 20cm distance MPE Limit for WPT is 50% MPE limit

Mode 3				
Test Distance (cm)	Battery Level	Probe from EUT Side	E-Field (V/m)	H-Field (A/m)
20	< 99%	Top	0.29	0.050
20	< 99%	Left	0.51	0.053
20	< 99%	Right	0.57	0.050
20	< 99%	Front	0.44	0.037
20	< 99%	Rear	0.45	0.035
20	< 99%	Bottom	0.34	0.039
MPE Limit			614	1.63
50% MPE Limit			307	0.815
Result			Pass	Pass

Note: 20cm distance MPE Limit for WPT is 50% MPE limit

Mode 1

Note: <1%, 50%, >95% load all have been tested, only worse case Max load (<1%) is reported. H-Filed Strength at (distance 0cm to 20cm at 2cm iteration, i.e. at a distance of 20cm, 18cm, 16cm, ... 0cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (A/m)

H-Field

Test Distance (cm)	Test Position						Limit (A/m)
	Front (A/m)	Rear (A/m)	Left (A/m)	Right (A/m)	Top (A/m)	Bottom (A/m)	
8	0.045	0.059	0.196	0.184	0.217	0.080	1.63
10	0.045	0.057	0.124	0.131	0.165	0.076	
12	0.042	0.047	0.081	0.098	0.142	0.054	
14	0.042	0.045	0.079	0.081	0.099	0.053	
16	0.041	0.041	0.073	0.068	0.084	0.049	
18	0.041	0.041	0.064	0.060	0.078	0.044	
20	0.041	0.038	0.057	0.053	0.061	0.042	

Verify the consistency between the model and the (E and/or H field) probe measurements

Use the Biot-Sacart Law to estimate the results of 8cm through 10cm

Test position	Measure Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.045	0.047	5.26%	30%
B	0.059	0.060	2.14%	30%
C	0.196	0.140	-28.45%	30%
D	0.184	0.149	-18.97%	30%
E	0.217	0.230	5.92%	30%
F	0.080	0.095	18.57%	30%

Use the Biot-Sacart Law to estimate the results of 10cm through 12cm

Test position	Measure Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.045	0.044	-0.63%	30%
B	0.057	0.050	-11.87%	30%
C	0.124	0.091	-26.80%	30%
D	0.131	0.098	-25.52%	30%
E	0.165	0.191	15.27%	30%
F	0.076	0.066	-12.96%	30%

Estimated the value from 0cm to 6cm

As the model is sufficient, the value of 6cm can be estimated through the results of 8 cm

Test position	Estimated Value (A/m)	Limits (A/m)
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A	0.047	1.63
B	0.063	
C	0.227	
D	0.212	
E	0.314	
F	0.102	

As the model is sufficient, the value of 4cm can be estimated through the results of 6 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.050	1.63
B	0.068	
C	0.268	
D	0.251	
E	0.479	
F	0.132	

As the model is sufficient, the value of 2cm can be estimated through the results of 4 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.053	1.63
B	0.073	
C	0.327	
D	0.306	
E	0.779	
F	0.176	

As the model is sufficient, the value of 0cm can be estimated through the results of 2cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.056	1.63
B	0.079	
C	0.421	
D	0.394	
E	1.390	
F	0.240	

Simultaneous transmission considerations:

The sum of the maximum power (BLE) duty cycle and the maximum field strength duty cycle (WPT) is less than 1, So calculate $(0.12/1) + (1.39/1.63) = 0.973 < 1$

Result: Pass

Note1: To avoid the ruler affecting the test results, remove the ruler after measuring the distance.

Note2: This product can only be used in conjunction with Vapor Pro Floater (FCC ID: 2ASEE-AP8003-1) and cannot charge other devices.

Note3: The minimum distance between the handheld part and the wireless radiator is 20cm when the user operates the device.

3.7. Photographs of the test setup

See the Appendix WPT MPE Test Setup Photos

END OF REPORT