



RF Exposure Report

For

Applicant Name: Chengdu Xiaochen Technology Co., Ltd
3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777
Address: Huafu Avenue Shuangliu County, Chengdu City, Sichuan province ,
China
EUT Name: Mermaid OWS Earphone
Brand Name: VERTU
Model Number: VOWS001

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.
F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,
Address: Tantou Community, Songgang Street, Bao'an District, Shenzhen,
China

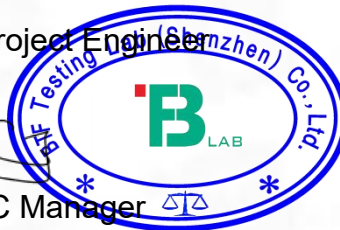
Report Number: BTF240607R00603
Test Standards: 47 CFR Part 2 Subpart J Section 2.1093
FCC ID: 2BGHD-VOWS001
Test Conclusion: Pass
Test Date: 2024-06-08 to 2024-06-27
Date of Issue: 2024-06-28

Prepared By: 

Date: 2024-06-28
Aria Zhang / Project Engineer

Approved By: 
Ryan.CJ / EMC Manager

Date: 2024-06-28



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2024-06-28	Original

Note: Once the revision has been made, then previous versions reports are invalid.

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1. Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Test Location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Description:	All measurement facilities used to collect the measurement data are located at F101,201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
FCC Registration Number:	518915
Designation Number:	CN1330

1.3 Laboratory Condition

Ambient Temperature:	20°C to 25°C
Ambient Relative Humidity:	45% to 55%
Ambient Pressure:	100 kPa to 102 kPa

1.4 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2. Product Information

2.1 Application Information

Company Name:	Chengdu Xiaochen Technology Co., Ltd
Address:	3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777 Huafu Avenue Shuangliu County ,Chengdu City, Sichuan province ,China

2.2 Manufacturer Information

Company Name:	Chengdu Xiaochen Technology Co., Ltd
Address:	3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777 Huafu Avenue Shuangliu County ,Chengdu City, Sichuan province ,China

2.3 Factory Information

Company Name:	Chengdu Xiaochen Technology Co., Ltd
Address:	3rd Floor, Building B15, Ganzhizhongguo Chengdu Center, No. 777 Huafu Avenue Shuangliu County ,Chengdu City, Sichuan province ,China

2.4 General Description of Equipment under Test (EUT)

EUT Name	Mermaid OWS Earphone
Under Test Model Name	VOWS001

3. Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

3.1 Assessment Result

Passed

Not Applicable

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BT-8DPSK	2480	5.40	5.5	1.12	3.0	Pass
BLE2M	2480	2.39	2.5	0.56	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.



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