



RF Exposure Report

For

Applicant name: Shenzhen Xincheng Zhilian Technology Co., LTD
Address: Room 2102, Block AB, Building 1, Hengmingwan Chuanghui Center, Huilongpu Community, Longcheng Sub-district, Longgang District, Shenzhen City
EUT name: Wireless Lavalier Microphone
Brand name: Blissbird
Model number: WLM01
Series model number: WLM02, WLM03, WLM04, WLM05
FCC ID: 2BP82-WLM01

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China

Report number: BTF250604R00403
Test standards: 47 CFR Part 2 Subpart J Section 2.1093
Test conclusion: Pass
Date of sample receipt: 2025-06-04
Test date: 2025-06-04 to 2025-06-13
Date of issue: 2025-06-16

Prepared by: Chris Liu
Chris Liu/ Project engineer

Approved by: Ryan C. EMC manager



Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue Date	Revisions Content
R_V0	2025-06-16	Original
Note:	Once the revision has been made, then previous versions reports are invalid.	

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1. Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 518915.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 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:	Shenzhen Xincheng Zhilian Technology Co., LTD
Address:	Room 2102, Block AB, Building 1, Hengmingwan Chuanghui Center, Huilongpu Community, Longcheng Sub-district, Longgang District, Shenzhen City

2.2 Manufacturer Information

Company Name:	Shenzhen Xincheng Zhilian Technology Co., LTD
Address:	Room 2102, Block AB, Building 1, Hengmingwan Chuanghui Center, Huilongpu Community, Longcheng Sub-district, Longgang District, Shenzhen City

2.3 Factory Information

Company Name:	Shenzhen Xincheng Zhilian Technology Co., LTD
Address:	Room 2102, Block AB, Building 1, Hengmingwan Chuanghui Center, Huilongpu Community, Longcheng Sub-district, Longgang District, Shenzhen City

2.4 General Description of Equipment under Test (EUT)

EUT name	Wireless Lavalier Microphone
Under test model name	WLM01
Series model name	WLM02, WLM03, WLM04, WLM05
Description of model name differentiation	Only the model name is different, everything else is the same
Hardware Version	N/A
Software Version	N/A
Rating:	Input: DC 5V Battery: 3.7V 90mAh 0.333Wh

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-EDR	2441	1.04	2	0.625	3.0	Pass
BT-BLE	2440	0.15	1.0	0.312	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.



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BTF Testing Lab (Shenzhen) Co., Ltd.

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