



RF Exposure Report

For

Applicant Name: ELECTRONIC WORLD LLC
Address: 575 Julie Rivers Drive, Sugar Land, Texas, 77478, United States of America
EUT Name: Wireless Speaker
Brand Name: ELECTRO
Model Number: ELLC-RMB-1
Series Model Number: N/A

Issued By

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

Report Number: BTF250423R00102
Test Standards: 47 CFR Part 2 Subpart J Section 2.1091
FCC ID: 2BB37-ELLC-RMB-1
Test Conclusion: Pass
Test Date: 2025-04-24 to 2025-05-09
Date of Issue: 2025-05-09

Prepared By: Sean He
Sean He / Tester
Date: Viviz Yan
Approved By: Vivi Yan / Project engineer

Approved by: 
Ryan.CJ / 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	2025-05-09	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:	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 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:	ELECTRONIC WORLD LLC
Address:	575 Julie Rivers Drive, Sugar Land, Texas, 77478, United States of America

2.2 Manufacturer Information

Company Name:	Shenzhen Yale Electronics Co., Ltd
Address:	4th Floor, Building 2, Yujingtai Industrial Park, Huaxing Road, Dalang, Longhua New District, Shenzhen, China

2.3 Factory Information

Company Name:	Shenzhen Yale Electronics Co., Ltd
Address:	4th Floor, Building 2, Yujingtai Industrial Park, Huaxing Road, Dalang, Longhua New District, Shenzhen, China

2.4 General Description of Equipment under Test (EUT)

EUT name	Wireless Speaker
Under test model name	ELLC-RMB-1
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	TX600LZ-S21-MAIN-V1.4
Software Version	BP10_FCC_V1.5.4

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	2402	7.14	8.00	1.952	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.



Test Report Number: BTF250423R00102



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www.btf-lab.com

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