



RF Exposure Report

For

Applicant Name: Shenzhen Yihan Technology Co. , Ltd.
Building 308, building a 7,727 science and Technology Innovation
Address: Park, 727 Zhoushi Road, Hezhou community, Hangcheng Street,
Bao'an District, Shenzhen City
EUT Name: Karaoke speakers
Brand Name: N/A
Model Number: K12
Series Model Number: K1, K52

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: BTF240808R00702
Test Standards: 47 CFR Part 2 Subpart J Section 2.1093
FCC ID: 2BKIL-K12
Test Conclusion: Pass
Test Date: 2024-08-09 to 2024-08-21
Date of Issue: 2024-08-22

Prepared By:

Aria Zhang

Date:

Aria Zhang / Project Engineer
2024-08-22

Approved By:

Ryan.CJ

Date:

Ryan.CJ / EMC Manager
2024-08-22



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 | 2024-08-22 | 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: | Shenzhen Yihan Technology Co. , Ltd. |
| Address: | Building 308, building a 7,727 science and Technology Innovation Park, 727 Zhoushi Road, Hezhou community, Hangcheng Street, Bao'an District, Shenzhen City |

2.2 Manufacturer Information

| | |
|---------------|---|
| Company Name: | Shenzhen Yihan Technology Co. , Ltd. |
| Address: | Building 308, building a 7,727 science and Technology Innovation Park, 727 Zhoushi Road, Hezhou community, Hangcheng Street, Bao'an District, Shenzhen City |

2.3 Factory Information

| | |
|---------------|---|
| Company Name: | Shenzhen Yihan Technology Co. , Ltd. |
| Address: | Building 308, building a 7,727 science and Technology Innovation Park, 727 Zhoushi Road, Hezhou community, Hangcheng Street, Bao'an District, Shenzhen City |

2.4 General Description of Equipment under Test (EUT)

| | |
|---|--|
| EUT name | Karaoke speakers |
| Under Test model name | K12 |
| Series model name | K1, K52 |
| Description of model name differentiation | Only the appearance of the shape is different , the others are the same. |
| Power supply: | AC 230V from adapter or DC 4.2V from battery |

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 | 2480 | 3.91 | 4 | 0.79 | 3.0 | Pass |

Note: The exposure evaluation safety distance is 5mm.



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--END OF REPORT--