

RF Exposure Evaluation Report

Product : TECH Series Wireless Headphones
Trade mark : MINISO
Model/Type reference : P9
Serial Number : N/A
Report Number : EED32R81409703
FCC ID : 2A2H6-P9
Date of Issue : Sept. 03, 2025
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
47 CFR Part 2.1093
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

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Prepared by:

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Sept. 03, 2025



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2 General Information

2.1 Client Information

| | |
|--------------------------|--|
| Applicant: | Shenzhen Bao Tianhua Technology Co., Ltd |
| Address of Applicant: | 201, Building Plant No.6 Baidajie Road, Xi Keng Community Yuanshan Sub-district, Longgang district, Shenzhen, Guangdong, China |
| Manufacturer: | Shenzhen Bao Tianhua Technology Co., Ltd |
| Address of Manufacturer: | 201, Building Plant No.6 Baidajie Road, Xi Keng Community Yuanshan Sub-district, Longgang district, Shenzhen, Guangdong, China |
| Factory: | Shenzhen Bao Tianhua Technology Co., Ltd |
| Address of Factory: | 201, Building Plant No.6 Baidajie Road, Xi Keng Community Yuanshan Sub-district, Longgang district, Shenzhen, Guangdong, China |

2.2 General Description of EUT

| | |
|-----------------|---------------------------------|
| Product Name: | TECH Series Wireless Headphones |
| Model No.(EUT): | P9 |
| Test Model No.: | P9 |
| Trade Mark: | MINISO |

2.3 Product Specification subjective to this standard

| | | |
|-----------------------|---------------------------------------|---------|
| Frequency Range: | 2402MHz~2480MHz | |
| Modulation Type: | BT:GFSK, π/4DQPSK, 8DPSK BLE: GFSK | |
| Test Power Grade: | Default | |
| Test Software of EUT: | BT_Tool.exe | |
| Antenna Type: | PCB Antenna | |
| Antenna Gain: | -0.58 dBi | |
| Power Supply: | USB-C port: | DC 5V |
| | Battery: | DC 3.7V |
| Sample Received Date: | Aug. 18, 2025 | |
| Sample tested Date: | Aug. 18, 2025 to Sept. 01, 2025 | |

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2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}}(d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20\text{cm}}$ is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

3.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3.1.3 EUT RF Exposure Evaluation

For Stand alone:

BLE:

| Frequency (MHz) | Estimate on distance (cm) | Max. Conducted Output power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | ERP (dBm) | ERP (mW) | Limit (mW) | MPE ratio | Result |
|-----------------|---------------------------|-----------------------------------|--------------------|------------|-----------|----------|------------|-----------|--------|
| 2440 | 0.5 | 1.12 | -0.58 | 0.54 | -1.61 | 0.690 | 2.753 | 0.2506 | Pass |

BT:

| Frequency (MHz) | Estimate on distance (cm) | Max. Conducted Output power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | ERP (dBm) | ERP (mW) | Limit (mW) | MPE ratio | Result |
|-----------------|---------------------------|-----------------------------------|--------------------|------------|-----------|----------|------------|-----------|--------|
| 2441 | 0.5 | 1.86 | -0.58 | 1.28 | -0.87 | 0.818 | 2.752 | 0.2972 | Pass |

Note:

- ①EIRP=conducted power+antenna gain;
- ②ERP=EIRP-2.15;
- ③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;
- ④ERP(mW) = $10^{(ERP \text{ (dBm)})/10}$;
- ⑤The estimation distance is 0.5cm;
- ⑥The test data please refer to the report of EED32R81089001 and only the worst case data was recorded in the report.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
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*** End of Report ***