

## 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:

**Shenzhen Bao Tianhua Technology Co., Ltd**  
**201,Building Plant No.6 Baidajie Road ,Xi Keng Community Yuanshan**  
**Sub-district, Longgang district,Shenzhen, Guangdong, China**

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, $\pi/4$ DQPSK, 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	

## 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 Pth (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). Pth 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 ERP20cm 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)	Estimation 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)	Estimation 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:**

① EIRP=conducted power+antenna gain;

② ERP=EIRP-2.15;

③  $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$ ;

④  $ERP(mW) = 10^{(ERP(dBm)/10)}$ ;

⑤ The estimation distance is 0.5cm;

⑥ The 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;
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\*\*\* End of Report \*\*\*