

Report No.: EED32R80155502 Page 1 of 8

# **RF Exposure Evaluation Report**

Product : Wireless Headset with Dynamic LED Light

Trade mark : MINISO

Model/Type reference : CH66

Serial Number : N/A

Report Number : EED32R80155502

FCC ID : 2A2H6-CH66

Date of Issue : Mar. 14, 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 301, Building Plant No.5 Anliang Road, Xi Keng Community, Longgang District, Shenzhen, Guangdong, China

Prepared by:

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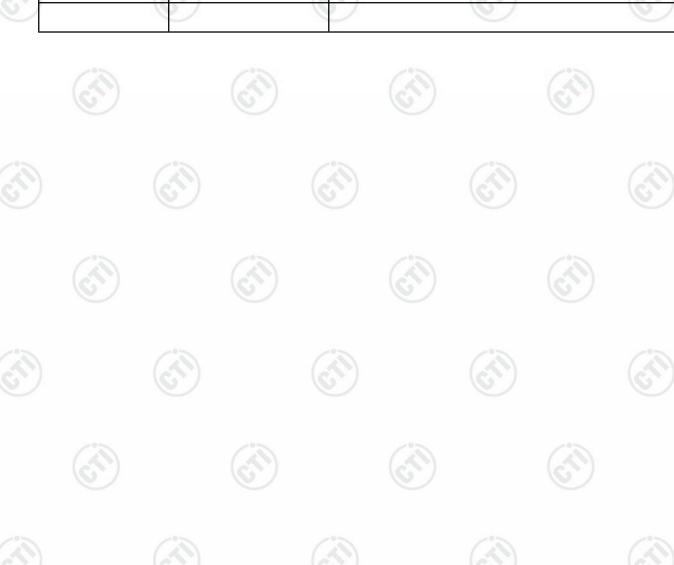


Page 2 of 8

Report No.: EED32R80155502

Version

		16				
Version No.	Date		Description			
00	Mar. 14, 2025	Original				
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Report No. : EED32R80155502

Page 3 of 8

# **Contents**

							Page
1 VERSIO	N	•••••	••••••	•••••	•••••	•••••	2
		ΓΙΟΝ					
3.2 GENI 3.3 PROE 3.4 TEST 3.5 DEVI 3.6 ABNO	ERAL DESCRIPTI DUCT SPECIFICA LOCATION ATION FROM ST DRMALITIES FRO	NON OF EUTTION SUBJECTIVE TO  ANDARDS  MANDARDS COND  M STANDARD COND  N REQUESTED BY TH	THIS STANDARE	)			4 5 5 5
4 SAR EV	ALUATION		•••••	•••••	••••••		6
4.1.1 4.1.2	Limits Test Procedur	PLIANCE REQUIREME Teesure Evaluation					6 6





# 3 General Information

### 3.1 Client Information

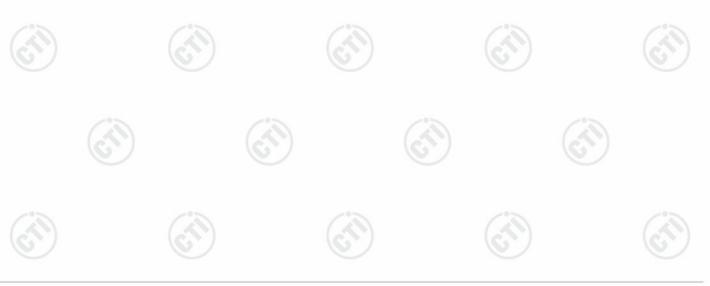
Applicant:	Shenzhen Bao Tianhua Technology Co., Ltd		
Address of Applicant:	301, Building Plant No.5 Anliang Road, Xi Keng Community, Longgang District, Shenzhen, Guangdong, China		
Manufacturer: Shenzhen Bao Tianhua Technology Co., Ltd			
Address of Manufacturer:	301, Building Plant No.5 Anliang Road, Xi Keng Community, Longgang District, Shenzhen, Guangdong, China		
Factory:	Shenzhen Bao Tianhua Technology Co., Ltd		
Address of Factory:	301, Building Plant No.5 Anliang Road, Xi Keng Community, Longgang District, Shenzhen, Guangdong, China		

# 3.2 General Description of EUT

Product Name:	Wireless Headset with Dyna	mic LED Light	(24)
Model No.(EUT):	CH66		
Trade Mark:	MINISO		

# 3.3 Product Specification subjective to this standard

	F 400.						
Frequency Range:	2402MHz~2	480MHz	(0,)		(0,)		
Modulation Type:	GFSK, π/4Ε	SFSK, π/4DQPSK, 8DPSK					
Test Power Grade:	Default	Default					
Test Software of EUT:	FCC_assist	_1.0.2.2		_0_		Z .	
Antenna Type:	PCB Antenr	na					
Antenna Gain:	-0.58dBi						
	Adapter:	DC 5V/2A					
Power Supply:	Battery:	DC 3.7V					
Sample Received Date:	Feb. 21, 202	25					
Sample tested Date:	Feb. 21, 202	25 to Mar. 08, 2025	(0,		(0,)		







### 3.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

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

No tests were sub-contracted. FCC Designation No.: CN1164

#### 3.5 Deviation from Standards

None.

### 3.6 Abnormalities from Standard Conditions

# 3.7 Other Information Requested by the Customer





Report No.: EED32R80155502 Page 6 of 8

### 4 SAR Evaluation

### 4.1 RF Exposure Compliance Requirement

#### **4.1.1 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

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

where

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

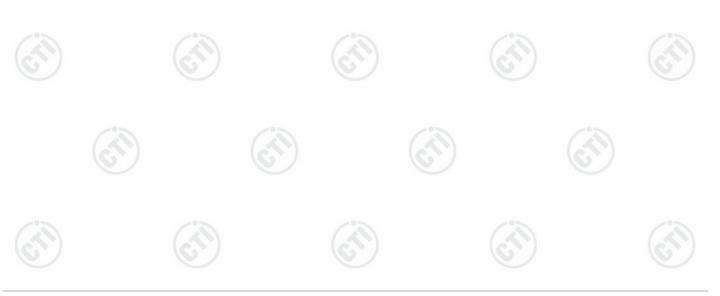
and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

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

### 4.1.2 Test Procedure

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







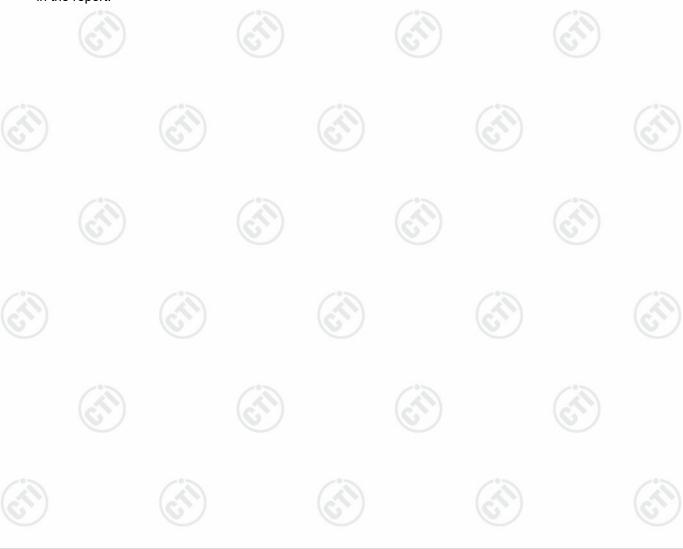
### 4.1.3 EUT RF Exposure Evaluation

#### For Stand alone:

100	Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
	2480	0.5	-2.33	-0.58	-4.48	0.3565	2.7172	0.1312	Pass

#### Note:

- ①EIRP=conducted power+antenna gain;
- ②ERP=EIRP-2.15;
- ③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) 95.23;
- $4ERP(mW) = 10^{(ERP (dBm)/10)};$
- ⑤The estimation distance is 0.5cm;
- ©The test data please refer to the report of EED32R80155501 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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