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RF Exposure Evaluation Report

Product Harry Potter Wireless Headset,

DC Batman Series Wireless Headset,

DC Justice League Series Wireless Headset,

DC Superman Series Wireless Headset

Trade mark **MINISO**

Model/Type reference P14 **Serial Number** N/A

Report Number EED32Q82147903

FCC ID 2A2H6-P14A Date of Issue

Dec. 27, 2024

47 CFR Part 1.1307, 47 CFR Part 1.1310 **Test Standards**

47 CFR Part 2.1091, 47 CFR Part 2.1093 447498 D04 Interim General RF Exposure

Guidance v01

PASS Test result

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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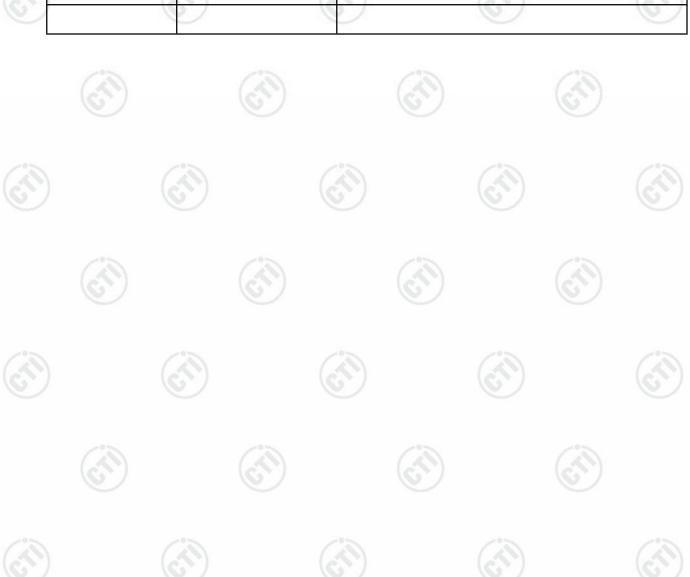


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2 Version

Version No.	Date	Description
00	Dec. 27, 2024	Original















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4 General Information

4.1 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		

4.2 General Description of EUT

Product Name:	Harry Potter Wireless Headset, DC Batman Series Wireless Headset,
	DC Justice League Series Wireless Headset,
	DC Superman Series Wireless Headset
Model No.(EUT):	P14
Trade Mark:	MINISO

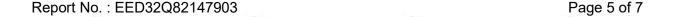
4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz
Modulation Type:	BLE: GFSK
	BT: GFSK, π/4DQPSK, 8DPSK
Test Power Grade:	Default
Test Software of EUT:	FCC_assist_1.0.2.2
Antenna Type:	PCB Antenna
Antenna Gain:	2.499dBi
Power Supply:	Battery: DC 3.7V
Sample Received Date:	Jun. 04, 2024
Sample tested Date:	Jun. 07, 2024 to Jun. 13, 2024

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified. This report only added Product Name. All test data come from the report of No. EED32Q80761803.







4.4 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

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer





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5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 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

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

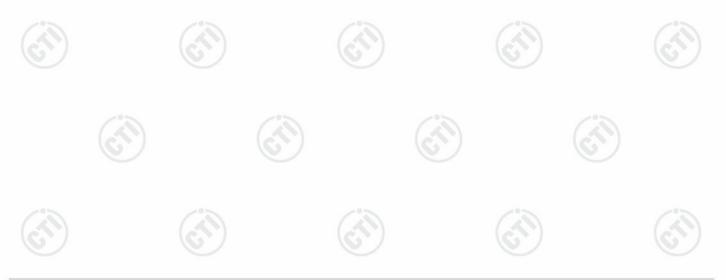
and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

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

5.1.2 Test Procedure

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





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5.1.3 EUT RF Exposure Evaluation

For Stand alone:

For BLE

D	Frequency (MHz)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
	2480	0.7	2.499	3.199	1.049	1.273	2.717	PASS

For BT

Frequency	Max.	Antenna	EIRP	ERP	ERP	Limit	Result
(MHz)	Conducted	Gain (dBi)	(dBm)	(dBm)	(mW)	(mW)	
	Output power		C°		C:		
(2)	(dBm)		(25)		(65)		(2)
2480	-3.09	2.499	-0.591	-2.741	0.532	2.717	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;
- (6) The test data please refer to the report of EED32Q82147901, EED32Q82147902 and only the worst case data was recorded in the report.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***

