

RF Exposure Evaluation Report

Product : Bone conduction sports
Trade mark : N/A
Model/Type reference : X9 RUN
Serial Number : N/A
Report Number : EED32S815475
FCC ID : 2BBK5-X9RUN
Date of Issue : August 13, 2026
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1093
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

Guangzhou Yonghe Electronics Co., Ltd
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2 General Information

2.1 Client Information

Applicant:	Guangzhou Yonghe Electronics Co., Ltd
Address of Applicant:	401, Building A1 East, Hongtu Industrial Park, Dashi Street, Panyu District, Guangzhou City, Guangdong Province, China
Manufacturer:	DongGuan Kemi Electronics Technology Co., Ltd
Address of Manufacturer:	Room 201, Floor 2, Building 4, Taixing Science Park, No.3, Taixing Road, Shigu, Tangxia Town, Dongguan city, China
Factory:	DongGuan Kemi Electronics Technology Co., Ltd
Address of Factory:	Room 201, Floor 2, Building 4, Taixing Science Park, No.3, Taixing Road, Shigu, Tangxia Town, Dongguan city, China

2.2 General Description of EUT

Product Name:	Bone conduction sports
Model No.:	X9 RUN
Test Model No.:	X9 RUN
Trade Mark:	N/A

2.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK, $\pi/4$ DQPSK	
Test Power Grade:	Default	
Test Software of EUT:	BT_Tool.exe	
Antenna Type:	Chip Antenna	
Antenna Gain:	2.56dBi	
Power Supply:	Battery:	DC 3.85V
Sample Received Date:	Jul. 06, 2026	
Sample tested Date:	Jul. 06, 2026 to Jul. 10, 2026	

2.4 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, Test Firm Registration No.: 260439

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:**

Band	Freq. (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
BT	2402	0.5	1.65	2.56	2.06	1.61	2.788	0.5764	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 EED32S815477 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 ***