RF Exposure Evaluation Report

Product	:	Hearing Aid
Trade mark	:	KYTO
Model/Type reference	:	KYTO2880
Serial Number	:	N/A
Report Number	:	EED32Q82111703
FCC ID	:	2BM4YKYTO2880
Date of Issue	:	Jan. 22, 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:

KYTO FITNESS TECHNOLOGY CO., LIMITED
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Prepared by:

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1 Version

Version No.	Date	Description
00	Jan. 22, 2025	Original

2 Contents

3 General Information

3.1 Client Information

Applicant:	KYTO FITNESS TECHNOLOGY CO., LIMITED
Address of Applicant:	Room 301, Building 2, No. 7, Dongcheng Section, Chuanying Road, Dongcheng Street.Dongguan. Guangdong. China
Manufacturer:	KYTO FITNESS TECHNOLOGY CO., LIMITED
Address of Manufacturer:	Room 301, Building 2, No. 7, Dongcheng Section, Chuanying Road, Dongcheng Street.Dongguan. Guangdong. China
Factory:	KYTO FITNESS TECHNOLOGY CO., LIMITED
Address of Factory:	Room 301, Building 2, No. 7, Dongcheng Section, Chuanying Road, Dongcheng Street.Dongguan. Guangdong. China

3.2 General Description of EUT

Product Name:	Hearing Aid
Model No.(EUT):	KYTO2880
Trade Mark:	KYTO

3.3 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:	AWRDLABV2.exe	
Antenna Type:	FPC Antenna	
Antenna Gain:	0.75dBi	
Power Supply:	Battery:	DC3.7V
Sample Received Date:	Dec. 30, 2024	
Sample tested Date:	Dec. 30, 2024 to Jan. 06, 2025	

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

None.

3.7 Other Information Requested by the Customer

None.

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

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

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

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

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.

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:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
2402	0.5	1.77	0.75	0.37	1.0889	2.7877	Pass
2402	0.5	1.64	0.75	0.24	1.0568	2.7877	Pass
2402	0.5	2.76	0.75	1.36	1.3677	2.7877	Pass
2402	0.5	2.74	0.75	1.34	1.3614	2.7877	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;

⑥The test data please refer to the report of EED32Q82111701, EED32Q82111702 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;

5. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***