

# RF Exposure Evaluation Report

**Product** : Dynamic ECG recorder  
**Trade mark** : N/A  
**Model/Type reference** : EPod Pro, EPod, EHL-12, EHL-7  
**Serial Number** : N/A  
**Report Number** : EED32P81107202  
**FCC ID** : A49EPODPRO  
**Date of Issue** : Oct. 20, 2023  
**Test Standards** : 47 CFR Part 1.1307  
47 CFR Part 1.1310  
47 CFR Part 2.1093  
447498 D04 Interim General RF  
Exposure Guidance v01  
**Test result** : PASS

Prepared for:

**Shenzhen Creative Industry Co., Ltd.**  
**Floor 5, BLD 9, Baiwangxin High-Tech Industrial Park, Songbai Road,**  
**Xili Street, Nanshan District, 518110 Shenzhen,**  
**PEOPLE'S REPUBLIC OF CHINA**

Prepared by:

**Centre Testing International Group Co., Ltd.**  
**Hongwei Industrial Zone, Bao'an 70 District,**  
**Shenzhen, Guangdong, China**  
**TEL: +86-755-3368 3668**  
**FAX: +86-755-3368 3385**



Compiled by:

mark. chen.

Approved by:

Mark Chen  
Aaron Ma

Aaron Ma

Reviewed by:

Tom Chen

Date:

Oct. 20, 2023

Check No.: 4249190723

Report No. : EED32P81107202

Page 2 of 7

**2 Version**

Version No.	Date	Description
00	Oct. 20, 2023	Original

### 3 Contents

	Page
<b>1 COVER PAGE .....</b>	<b>1</b>
<b>2 VERSION .....</b>	<b>2</b>
<b>3 CONTENTS .....</b>	<b>3</b>
<b>4 GENERAL INFORMATION .....</b>	<b>4</b>
4.1 CLIENT INFORMATION .....	4
4.2 GENERAL DESCRIPTION OF EUT .....	4
4.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD .....	4
4.4 TEST LOCATION .....	5
4.5 DEVIATION FROM STANDARDS .....	5
4.6 ABNORMALITIES FROM STANDARD CONDITIONS .....	5
4.7 OTHER INFORMATION REQUESTED BY THE CUSTOMER .....	5
<b>5 SAR EVALUATION .....</b>	<b>6</b>
5.1 RF EXPOSURE COMPLIANCE REQUIREMENT .....	6
5.1.1 <i>Limits</i> .....	6
5.1.2 <i>Test Procedure</i> .....	6
5.1.3 <i>EUT RF Exposure Evaluation</i> .....	7

Report No. : EED32P81107202

Page 4 of 7

## 4 General Information

### 4.1 Client Information

Applicant:	Shenzhen Creative Industry Co., Ltd.
Address of Applicant:	Floor 5, BLD 9, Baiwangxin High-Tech Industrial Park, Songbai Road, Xili Street, Nanshan District, 518110 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Manufacturer:	Shenzhen Creative Industry Co., Ltd.
Address of Manufacturer:	Floor 5, BLD 9, Baiwangxin High-Tech Industrial Park, Songbai Road, Xili Street, Nanshan District, 518110 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Factory:	Shenzhen Creative Industry Co., Ltd.
Address of Factory:	Floor 5, BLD 9, Baiwangxin High-Tech Industrial Park, Songbai Road, Xili Street, Nanshan District, 518110 Shenzhen, PEOPLE'S REPUBLIC OF CHINA

### 4.2 General Description of EUT

Product Name:	Dynamic ECG recorder
Model No.:	EPod Pro, EPod, EHL-12, EHL-7
Test Model No.:	EPod Pro
Trade mark:	N/A
Device type:	Portable

### 4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz
Modulation Type:	GFSK
Test Power Grade:	Default
Test Software of EUT:	nRF_DTM
Antenna Type:	Chip antenna
Antenna Gain:	2.38dBi
Power Supply:	Battery DC 3.8V
Sample Received Date:	Oct. 08, 2023
Sample tested Date:	Oct. 08, 2023 to Oct. 10, 2023
Remark:	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. Model No.: EPod Pro, EPod, EHL-12, EHL-7 Only the model EPod Pro was tested. The principle, structure and composition, intended use, key components, and electrical structure of the products are the same, and only the functional configuration is different. Therefore, the model with the most complete functions [EPod Pro] was selected as the main inspection model to cover the other models.

Report No. : EED32P81107202

Page 5 of 7

## 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

None.

## 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  $P_{th}$  (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).  $P_{th}$  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  $ERP_{20\text{cm}}$  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.

#### 5.1.2 Test Procedure

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

**5.1.3 EUT RF Exposure Evaluation****For Stand alone:****For BLE**

Frequency (MHz)	Separation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
2480	0.50	-6.94	2.38	-4.56	-6.71	0.213	2.717	PASS

**Note:**

- ①EIRP=conducted power+antenna gain;
- ②ERP=EIRP-2.15
- ③Only 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 \*\*\***