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RF Exposure Evaluation Report

Product	· ^r	m-type Fully Auton	natic Blood Pressure M	lonitor
Trade mark	: N/			
Model/Type reference		A 3P-62F4L, DBP-62	EAR	
woden Type reference		3P-62F4B-P, DBP-02		
Serial Number	: N/			
Report Number		- D32R80170402		
FCC ID		QVU0053		
Date of Issue		or. 03, 2025		
Test Standards	: 47 47 47 47 47	CFR Part 1.1307 CFR Part 1.1310 CFR Part 2.1091 CFR Part 2.1093		
		0B 447498 D04 Int uidance v01	erim General RF Expo	sure
Test result				
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NO.365, Wuzhou Road, 3	311100 H REPUE	ALTHCARE CO langzhou, Zhej LIC OF CHINA repared by: ernational Grou	iang Province, PE	OPLE's
		l Zone, Bao'an	· · · · · · · · · · · · · · · · · · ·	
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Senterna//0/4/ Kever	n Tan		Frazer Li	
Approved by: E Jayon	Ma	Date:	Apr. 03, 2025	
Approved by:	n Ma			
Report Seal			Check No.: 69	33140225

Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com

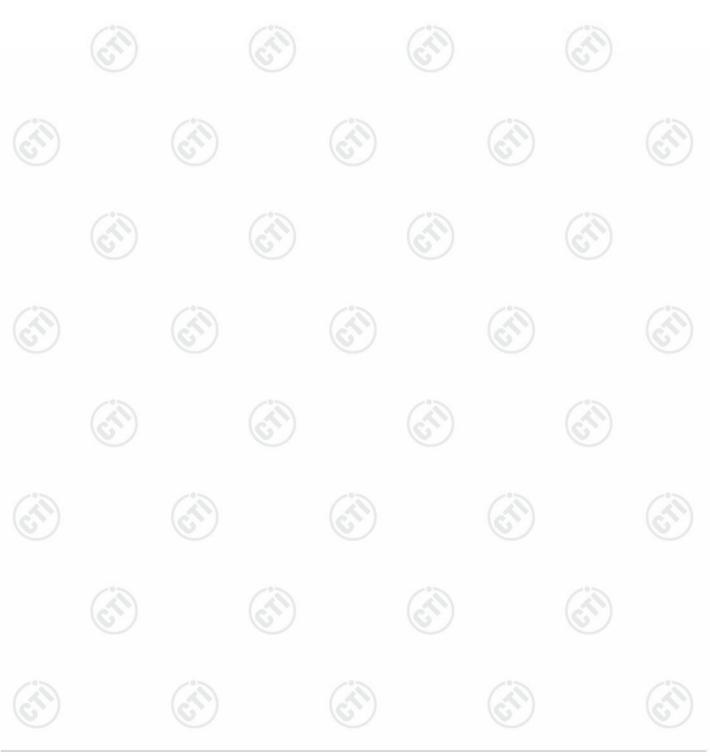




1 Version

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	Version No.	Date		Description	
	00	Apr. 03, 2025		Original	
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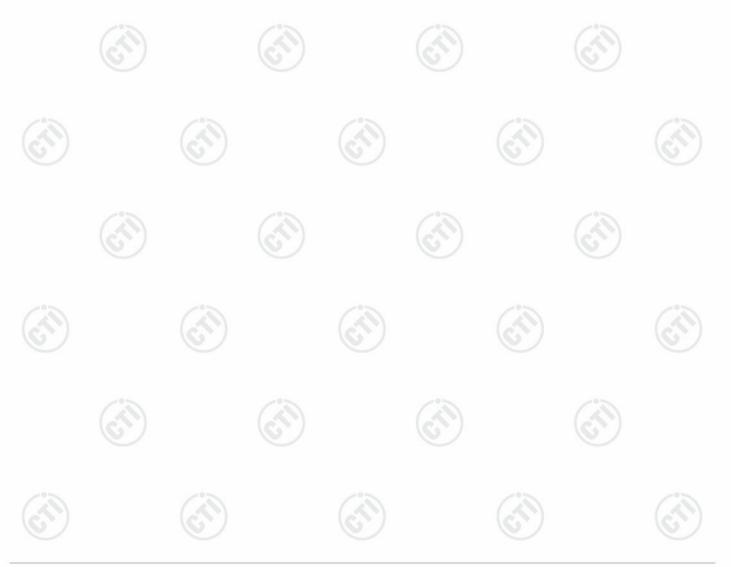


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General Information 3

3.1 Client Information

Applicant:	JOYTECH HEALTHCARE CO., LTD.	
Address of Applicant: NO.365, Wuzhou Road, 311100 Hangzhou, Zhejiang Province, PEOPLE's REPUBLIC OF CHINA		
Manufacturer: JOYTECH HEALTHCARE CO., LTD.		
Address of Manufacturer: No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou C 311100 Zhejiang, China		
Factory: JOYTECH HEALTHCARE CO., LTD.		
Address of Factory:	No.365, Wuzhou Road, 311100 Hangzhou, Zhejiang Province, PEOPLE'S REPUBLIC OF CHINA	

3.2 General Description of EUT

Product Name:	Arm-type Fully Automatic Blood Pressure Monitor	-0-
Model No.:	DBP-62F4L, DBP-62F4B, DBP-62F4B-P, DBP-62F4L-P	
Test Model No.:	DBP-62F4L	e la
Trade mark:	N/A	

3.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~	2480MHz	5)
Modulation Type:	GFSK	\bigcirc	
Test Power Grade:	Default		
Test Software of EUT:	PhyPlusKit	exe	<">>
Antenna Type:	PCB Anten	ina 💫	
Antenna Gain:	-1.37dBi		V
Power Supply:	Adapter:	Model: MPSGS0501000 Input: 100-240V ~50/60Hz 0.25A Output: 5.0V, 1.0A, 5.0W	
	Battery:	DC 3.7V	5)
Sample Received Date:	Feb. 21, 20	025	
Sample tested Date:	Feb. 21, 20	025 to Mar. 08, 2025	

Remark:

Model No.: DBP-62F4L, DBP-62F4B, DBP-62F4B-P, DBP-62F4L-P

Only the model DBP-62F4L was tested, their electrical circuit design, layout, components used and internal wiring are identical, Only the battery supply is different. The DBP-62F4L and DBP-62F4L-P are powered by lithium batteries, and the DBP-62F4B, DBP-62F4B-P is powered by Alkaline dry batteries











All tests were performed at:



3.4 Test Location



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.







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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

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

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.









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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)	MPE ratio	Result
2402	0.5	1.28	-1.37	-2.24	0.597	2.7877	0.21416	Pass

Note:

 $\textcircled{1}\mathsf{EIRP}\mathsf{=}\mathsf{conducted}$ power+antenna gain;

2 ERP=EIRP-2.15;

③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;

(4)ERP(mW) = 10^{(ERP (dBm)/10)};

5The estimation distance is 0.5cm;

⁽⁶⁾The test data please refer to the report of EED32R80170401 and only the worst case data was recorded in the report.









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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 ***