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RF Exposure Evaluation Report

Product : Arm-Type Fully Automatic Digital Blood Pressure

Monitor

Trade mark : N/A

Model/Type reference : DBP-6277B

Serial Number : N/A

Report Number : EED32N00003802

FCC ID : May. 08, 2021

Date of Issue : Apr. 12, 2021

: 47 CFR Part 1.1307

Test Standards 47 CFR Part 2.1093

KDB447498D01 General RF

Exposure Guidance v06

Test result : PASS

Prepared for:

JOYTECH Healthcare Co., Ltd.
No.365, Wuzhou Road, Yuhang Economic
Development Zone, Hangzhou City,
311100 Zhejiang P.R. 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



Tom Chen

David Wang

David Wang

Reviewed by:

Aaron Ma

Date:

May. 08, 2021

Check No.:4538016048







2 Version

Version No.	Date	6	Description		
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4 General Information

4.1 Client Information

Applicant:	JOYTECH Healthcare Co., Ltd.	
Address of Applicant:	No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou City, 311100 Zhejiang P.R. China	
Manufacturer:	JOYTECH Healthcare Co., Ltd.	
Address of Manufacturer:	No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangzhou City, 311100 Zhejiang P.R. China	
Factory:	JOYTECH Healthcare Co., Ltd.	
Address of Factory: No.365, Wuzhou Road, Yuhang Economic Development Zone, Hangz 311100 Zhejiang P.R. China		

4.2 General Description of EUT

Product Name:	Arm-Type Fully Automatic Digital Blood Pressure Monitor	
Mode No.(EUT):	DBP-6277B	(0,
Trade Mark:	N/A	
EUT Supports Radios application:	BT 5.0 Single module 2402MHz to 2480MHz	75

4.3 Product Specification subjective to this standard

-				
Frequency Range:	BT 5.0 Single module 2402MHz to 2480MHz;			
Modulation Type:	GFSK	-		
Test Power Grade:	Default	(20)		
Test Software of EUT:	PhyPlusKit.exe	(6,)		
Antenna Type:	PCB antenna			
Antenna Gain:	0.5dBi			
Power Supply:	3X1.5V Batteries; size AAA			
	-0.39dBm			
Max Conducted Peak Output Power:	The Max Conducted Peak Output Power data refer to the report EED32N00003801			
Sample Received Date:	Jan. 19, 2021			
Sample tested Date:	Jan. 19, 2021 to Apr. 12, 2021	(41)		
7 / /	247 / 1007 / 1007 /	16.4		

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.













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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





















































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5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

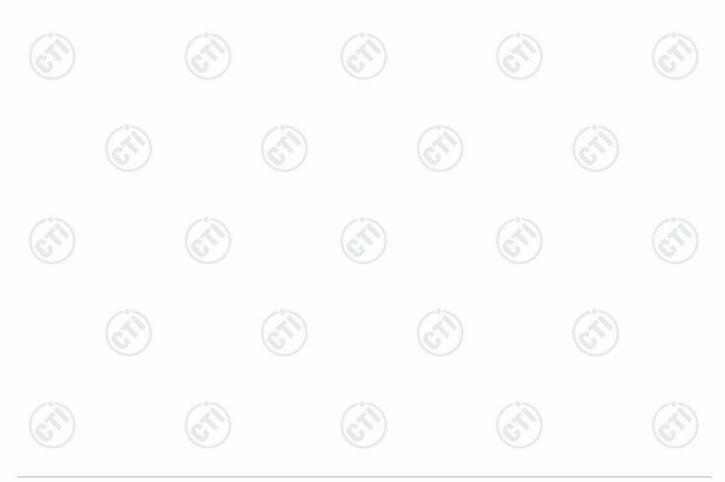
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion







5.1.2 EUT RF Exposure

The tune-up power is -0.5 dBm +/-0.5 dB, therefore the highest tune-up power is

0.000 (1.00 mW) @ 2402 MHz

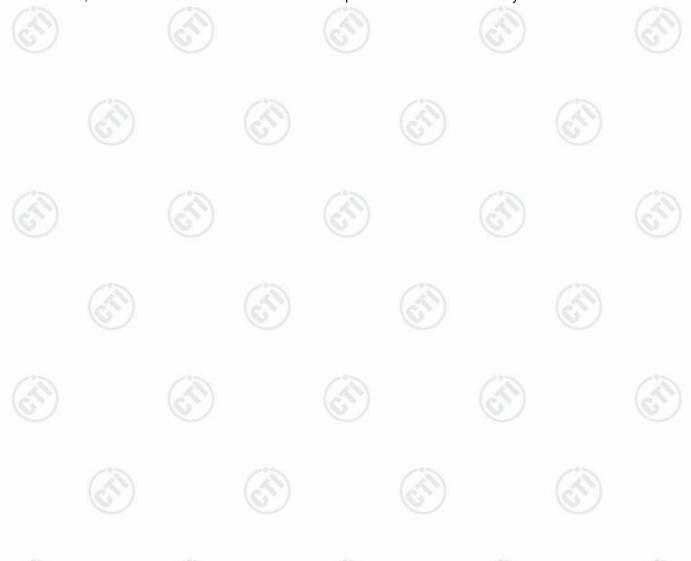
When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

So,

(1.00 / 5mm) * (2.402GHz \(^{0}.5\))= 0.3

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * $[\sqrt{f(GHz)}] = 0.3 < 3.0$

Therefore, standalone SAR measurements are not required for both head and body







PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32N00003801 for EUT external and internal photos.

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