

Report No.: EED32L00271802 Page 1 of 8

RF Exposure Evaluation Report

Product: Digital Blood Pressure Monitor

Trade mark : microlife

Model/Type reference : BP3MX1-3C,WhatchBP Home A BT

Serial Number : N/A

Report Number : EED32L00271802

FCC ID : U7I-BP3MX1-3C

Date of Issue : Nov. 14, 2019

Test Standards : 47 CFR Part 1.1307 47 CFR Part 2.1093

KDB447498D01 General RF Exposure Guidance v06

Test result : PASS

Prepared for:

Microlife Corporation
9F, 431, RuiGuang Road, NeiHu Taipei 11492, Taiwan

Prepared by:

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Date:

Nov. 14, 2019

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Page 2 of 8

Report No.: EED32L00271802

2 Version

Version No.	Date	//	Description	
00	Nov. 14, 2019		Original	
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Page 3 of 8

Report No.: EED32L00271802

Contents 3

		Page
1 COVER PAGE		 1
2 VERSION		 2
3 CONTENTS		 3
4 GENERAL INFORMATION		 4
4.1 CLIENT INFORMATION		 4
4.2 GENERAL DESCRIPTION OF		
4.3 PRODUCT SPECIFICATION S		
4.4 TEST LOCATION		 5
4.5 DEVIATION FROM STANDARD		
4.6 ABNORMALITIES FROM STAN		
4.7 OTHER INFORMATION REQU		
5 SAR EVALUATION		
5.1 RF EXPOSURE COMPLIANCE	E REQUIREMENT	6
5.1.1 Standard Requiremer		
5.1.2 Limits		 6
5.1.3 EUT RF Exposure		 7
PHOTOGRAPHS OF EUT CON	STRUCTIONAL DETAILS	8























































Page 4 of 8

Report No. : EED32L00271802

4 General Information

4.1 Client Information

Applicant:	Microlife Corporation	
Аррисант.	Microffle Corporation	
Address of Applicant:	9F, 431, RuiGuang Road, NeiHu Taipei 11492, Taiwan	
Manufacturer:	ONBO Electronic (Shenzhen) Co., Ltd.	
Address of Manufacturer:	No.138, Huasheng Road, Langkou Community, Dalang Street, Longhua District, Shenzhen, China	
Factory:	ONBO Electronic (Shenzhen) Co., Ltd.	
Address of Factory:	No.138, Huasheng Road, Langkou Community, Dalang Street, Longhua District, Shenzhen, China	

4.2 General Description of EUT

Product Name:	Digital Blood Pressure Monitor		200
Model No.(EUT):	BP3MX1-3C,WhatchBP Home A BT		3
Trade Mark:	microlife		(0)
EUT Supports Radios application:	4.2 BT Single mode	(3)	

4.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz			
Modulation Type:	GFSK		-0-	
Test Power Grade:	Default		19	
Test Software of EUT:	Default			
Antenna Type:	Chip ANT antenna			
Antenna Gain:	-1 dBi			
Power Supply:	Battery	DC1.5V*4 SIZE AAA		
	MODEL:DSA-6E-05 US 060060 :Adapter: INPUT:100-240V~50/60Hz 0.3A OUTPUT:+6V 0.6A			
Max Conducted Peak	-5.31 dBm			
Output Power:	The Max Conducted Peak Output Power data refer to the report EED32L00271801			
Sample Received Date:	Sep. 24, 2019			
Sample tested Date:	Sep. 24, 2019 to Nov. 13, 2019			
The tested sample(s) and	the sample information are provided by the	client.		



















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









Report No. : EED32L00271802

Page 5 of 8

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.















































































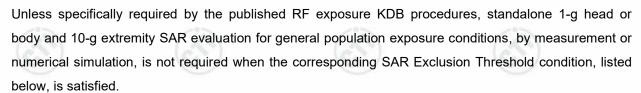
Report No.: EED32L00271802 Page 6 of 8

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



5.1.2 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











Report No.: EED32L00271802 Page 7 of 8

5.1.3 EUT RF Exposure

The tune-up power is -6 dBm +/- 1dB, therefore the highest tune-up power is -5.3 dBm (0.29 mW) @ 2480 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,

(0.29 / 5mm) * (2.480GHz ^0.5)= 0.1

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] * $[\sqrt{f(GHz)}] = 0.1 < 3.0$

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

















































































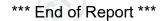




Report No.: EED32L00271802 Page 8 of 8

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32L00271801 for EUT external and internal photos.



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