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RF Exposure Evaluation Report

Report No. :	CQASZ20190400253E-02
Applicant:	Shenzhen Jamr Technology Co., Ltd
Address of Applicant:	2nd Floor, A-building, No.2 Guiyuan Road, Guanlan Town, Longhua New District, Shenzhen, China
Manufacturer:	Shenzhen Jamr Technology Co., Ltd
Address of Manufacturer:	2nd Floor, A-building, No.2 Guiyuan Road, Guanlan Town, Longhua New District, Shenzhen, China
Equipment Under Test (EUT):	
Product:	Blood Pressure Monitors
Model No.:	B06T
Brand Name:	N/A
FCC ID:	2AS8AB06T
Standards:	47 CFR Part 1.1307 47 CFR Part 2.1093 KDB447498D01 General RF Exposure Guidance v06
Date of Test:	2019-04-16 to 2019-04-19
Date of Issue:	2019-04-19
Test Result :	**PASS***

Tested By： Daisy Qin

(Daisy Qin)

Reviewed By: Aaron Ma

(Aaron Ma)

Approved By:

(Jack Ai)

SHENZHEN HUAXIA TESTING TECHNOLOGY CO.,LTD 华夏准测 APPROVED

* In the configuration tested, the EUT complied with the standards specified above.

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20190400253E-02	Rev.01	Initial report	2019-04-19

2 Contents

3 General Information

3.1 Client Information

Applicant:	Shenzhen Jamr Technology Co., Ltd
Address of Applicant:	2nd Floor, A-building, No.2 Guiyuan Road, Guanlan Town, Longhua New District, Shenzhen, China
Manufacturer:	Shenzhen Jamr Technology Co., Ltd
Address of Manufacturer:	2nd Floor, A-building, No.2 Guiyuan Road, Guanlan Town, Longhua New District, Shenzhen, China

3.2 General Description of EUT

Product Name:	Blood Pressure Monitors
Model No.:	B06T
Trade Mark:	N/A
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V4.2
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Test Software of EUT:	EMI_TEST_v1.4 (manufacturer declare)
Antenna Type:	PIFA antenna
Antenna Gain:	-0.58dBi
Power Supply:	lithium battery:DC3.7V, Charge by DC5.0V

4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

4.1.2 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)] · [√f(GHz)] ≤ 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 calculation[17]
The result is rounded to one decimal place for comparison

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

4.1.3 EUT RF Exposure

Measurement Data

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-3.36	-4.0±1	-3.0	0.501
Middle(2440MHz)	-1.77	-2.5±1	-1.5	0.708
Highest(2480MHz)	-0.45	-0.5±1	0	1.000

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	-3.36	-4.0±1	-3.0	0.501	0.16	3.0
Middle (2440MHz)	-1.77	-2.5±1	-1.5	0.708	0.22	
Highest (2480MHz)	-0.45	-0.5±1	0	1.000	0.31	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20190400253E-01