



## RF Exposure Evaluation Report

**Report Reference No.**.....: **MTEB23030279-H**

**FCC ID**.....: **2AS8ABPMB003**

Compiled by

( position+printed name+signature)..: File administrators Alisa Luo

*Alisa*

Supervised by

( position+printed name+signature)..: Test Engineer Sunny Deng

*Sunny*

Approved by

( position+printed name+signature)..: Manager Yvette Zhou

*Yvette*

Date of issue.....: February 13,2023

**Representative Laboratory Name** ..: **Shenzhen Most Technology Service Co., Ltd.**

Address .....: No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,  
Nanshan, Shenzhen, Guangdong, China.

**Applicant's name** .....: **Shenzhen Jamr Technology Co., Ltd**

Address .....: A101-301, D101-201, Jamr Science & Technology Park, No. 2  
Guiyuan Road, Guixiang Community, Guanlan Street, Longhua  
District, 518100 Shenzhen, PEOPLE'S REPUBLIC OF CHINA

**Test specification/ Standard** .....: **47 CFR Part 1.1307**

**47 CFR Part 2.1093**

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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**Test item description** .....: Upper Arm Type Blood Pressure Monitor

Trade Mark .....: N/A

Model/Type reference.....: **Shenzhen Jamr Technology Co., Ltd**

Listed Models .....: BA31T

Modulation Type .....: BD31T、B23MT

Operation Frequency.....: GFSK

Bluetooth version.....: BT 5.3

Hardware Version.....: From 2402MHz to 2480MHz

Software Version .....: JMR-SCH-BA31T-AC621-A-V1.1

Rating .....: V1

Result.....: DC4.5V(by Batteries)

DC5V

Result.....: PASS

**TEST REPORT**

Equipment under Test : Upper Arm Type Blood Pressure Monitor

Model /Type : BA31T

Listed Models : BD31T、 B23MT

Remark : Only the model name and appearance are different

Applicant : Shenzhen Jamr Technology Co., Ltd

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District, 518100 Shenzhen, PEOPLE'S REPUBLIC OF CHINA

Manufacturer : Shenzhen Jamr Technology Co., Ltd

Address : A101-301, D101-201, Jamr Science & Technology Park, No. 2  
Guiyuan Road, Guixiang Community, Guanlan Street, Longhua  
District, 518100 Shenzhen, PEOPLE'S REPUBLIC OF CHINA

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.03.22	Initial Issue	Alisa Luo

## **2. SAR Evaluation**

### **2.1 RF Exposure Compliance Requirement**

#### **2.1.1 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.

#### **2.1.2 Limits**

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

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

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

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  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BLE

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	-1.535	-1.535 ± 1	0.535
Middle(2441MHz)	-1.139	-1.139 ± 1	0.139
Highest(2480MHz)	-0.854	-0.854 ± 1	0.146

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest (2480MHz)	-0.854	0.146	1.03	0.33	3.0	Yes

.....THE END OF REPORT.....