**Shenzhen Most Technology Service Co., Ltd.**
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

# RF Exposure Evaluation Report

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|---|---|
| **Report Reference No.**.....: | **MTEB23030279-H** |
| **FCC ID**..... **:** | **2AS8ABPMB003** |
| Compiled by ( position+printed name+signature)..: | File administrators Alisa Luo |
| Supervised by ( position+printed name+signature)..: | Test Engineer Sunny Deng |
| Approved by ( position+printed name+signature)..: | Manager Yvette Zhou |
| Date of issue.....: | February 13,2023 |

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|---|---|
| **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. |

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|---|---|
| **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 |

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|---|---|
| **Test specification/** Standard .....**:** | **47 CFR Part 1.1307**<br>**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)<br>DC5V |
| Result.....: | PASS |

# TEST REPORT

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|---|---|---|
| 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 |
| 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 |
| 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 |

| **Test Result**: | **PASS** |
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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 |
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| | | | |

# 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 ≤ 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

### 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.....**