**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.**.....: | **MTEB22120202-H** |
| **FCC ID**..... **:** | **2A2EE-SW-T118** |
| 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.....: | **December 28, 2022** |
| **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**.....: | **Jiangxi Sunwe Industrial Co., Ltd.** |
| Address .....: | **Industrial park of Wanzai county, Yichun city, JiangXi Province, China** |
| **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 .....:** | TWS EARBUDS |
| Trade Mark .....: | N/A |
| Model/Type reference.....: | SW-T118 |
| Listed Models .....: | TKS10-0002-SETARG,TKS10-0001-SETARG,SW-E6S,SW-A6S,SW-A6R,SW-T147,SW-T150,SW-T158,SW-T131,SW-T132,SW-W12,SW-T47,SW-F0,SW-T0,SW-F3,SW-i12,SW-i7s,SW-F4,SW-T03,SW-F45,SW-J62 |
| Modulation Type .....: | GFSK, π/4DQPSK, 8DPSK |
| Operation Frequency.....: | From 2402MHz to 2480MHz |
| Hardware Version..... | V1.0 |
| Software Version ..... | V1.0 |
| Rating .....: | DC 3.7V(by battery)<br>DC 5V(by USB) |
| Result.....: | PASS |

# T E S T  R E P O R T

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|---|---|---|
| Equipment under Test | : | TWS EARBUDS |
| Model /Type | : | SW-T118 |
| Listed Models | : | TKS10-0002-SETARG,TKS10-0001-SETARG,SW-E6S,SW-A6S,SW-A6R,SW-T147,SW-T150,SW-T158,SW-T131,SW-T132, SW-W12,SW-T47,SW-F0,SW-T0,SW-F3,SW-i12,SW-i7s,SW-F4, SW-T03,SW-F45,SW-J62 |
| Remark | | Only the model names are different |
| Applicant | : | **Jiangxi Sunwe Industrial Co., Ltd.** |
| Address | : | Industrial park of Wanzai county, Yichun city, JiangXi Province, China |
| Manufacturer | : | **Jiangxi Sunwe Industrial Co., Ltd.** |
| Address | : | Industrial park of Wanzai county, Yichun city, JiangXi Province, China |

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

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 | 2022.12.28 | 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

BT classic

| GFSK | | | |
|---|---|---|---|
| Test channel | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power (dBm) |
| Lowest(2402MHz) | -0.24 | -0.24±1 | 0.76 |
| Middle(2440MHz) | -0.52 | -0.52±1 | 0.48 |
| Highest(2480MHz) | 0.22 | 0.22±1 | 1.22 |

| π /4DQPSK | | | |
|---|---|---|---|
| Test channel | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power (dBm) |
| Lowest(2402MHz) | -0.31 | -0.31±1 | 0.69 |
| Middle(2440MHz) | 0.56 | 0.56±1 | 1.56 |
| Highest(2480MHz) | 0.05 | 0.05±1 | 1.05 |

| 8DPSK | | | |
|---|---|---|---|
| Test channel | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power (dBm) |
| Lowest(2402MHz) | -0.85 | -0.85±1 | 0.15 |
| Middle(2440MHz) | -0.43 | -0.43±1 | 0.57 |
| Highest(2480MHz) | 0.02 | 0.02±1 | 1.02 |

| Worst case: π /4DQPSK | | | | | | |
|---|---|---|---|---|---|---|
| Channel | Maximum Peak Conducted Output Power (dBm) | Maximum tune-up Power | | Calculated value | Exclusion threshold | SAR Test Exclusion |
| | | (dBm) | (mW) | | | |
| Middle(2440MHz) | 0.56 | 1.56 | 1.43 | 0.45 | 3.0 | Yes |

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