

RF Exposure Evaluation Report

Report No.: RWAY202300049F

Applicant: Shenzhen Youmi Intelligent Technology Co., Ltd.

Address: 406-407 Jinqi Zhigu Building, 4/F, 1 Tangling Road, Nanshan District, Shenzhen City, China

Product Name: Smart Tablet

Product Model: MT13

Multiple Models: N/A

Trade Mark: UMIDIGI

FCC ID: 2ATZ4-G3TABULTRA

Standards: 47 CFR §1.1310
KDB 447498 D01 General RF Exposure Guidance v06

Test Date: 2023-12-14

Test Result: Complied

Report Date: 2024-01-30

Reviewed by:

Abel Chen

Approved by:

Jacob Kong

Abel Chen
Project Engineer

Jacob Kong
Manager

Prepared by:

World Alliance Testing and Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China



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Revision History

| Version No. | Issued Date | Description |
|-------------|-------------|-------------|
| 00 | 2024-01-30 | Original |

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1 General Information

1.1 Client Information

| | |
|---------------|--|
| Applicant: | Shenzhen Youmi Intelligent Technology Co., Ltd. |
| Address: | 406-407 Jinqi Zhigu Building, 4/F, 1 Tangling Road, Nanshan District, Shenzhen City, China |
| Manufacturer: | Shenzhen Youmi Intelligent Technology Co., Ltd. |
| Address: | 406-407 Jinqi Zhigu Building, 4/F, 1 Tangling Road, Nanshan District, Shenzhen City, China |

1.2 Product Description of EUT

| | |
|------------------------------------|---|
| Sample Serial Number | 2Y-1 (assigned by WATC) |
| Sample Received Date | 2023-11-20 |
| Sample Status | Good Condition |
| Frequency Range | BT/BLE: 2402MHz - 2480MHz |
| Maximum Conducted Output Power | BT: 4.78dBm BLE: 2.65 |
| Modulation Technology | GFSK, $\pi/4$ DQPSK, 8DPSK |
| Antenna Gain [#] | 0.97dBi |
| Power Supply | DC 3.80V from Battery or 5V from Adapter |
| Operating temperature [#] | -20 deg.C to +60 deg.C |
| Adapter Information | Model: HJ-0502000W2-US Input: AC 100-240V~50/60Hz, 0.3A Output: DC 5V, 2A |
| Modification | Sample No Modification by the test lab |

1.3 Laboratory Location

World Alliance Testing and Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

2 RF Exposure Evaluation

2.1 Standard

According to §1.1310, radio frequency devices shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 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
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

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 according to 5) in section 4.1 is applied to determine SAR test exclusion.

2.2 Result

| Radio | Frequency (MHz) | Maximum Conducted Power including Tune-up Tolerance (dBm) | Min. test separation distance (mm) | Result (1-g SAR) | Exclusion Limit (1-g SAR) | Verdict |
|-------|-----------------|---|------------------------------------|------------------|---------------------------|---------|
| BT | 2402-2480 | 4.8 | 5 | 0.95 | 3.0 | Pass |
| BLE | 2402-2480 | 3.0 | 5 | 0.63 | 3.0 | Pass |

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

Result: Complied, No need standalone SAR test.

---End of Report---