

RF Exposure Evaluation Report

Report No.: RWAZ202300122K

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: Three Anti-Tablet

Product Model: MT15

Multiple Models: N/A

Trade Mark: UMIDIGI

FCC ID: 2ATZ4-ACTIVET1PRO

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

Test Date: 2024/01/17~2024/01/25

Test Result: Complied

Report Date: 2024-01-29

Reviewed by:

Frank Yin

Approved by:

Jacob Kong

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Prepared by:

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Revision History

Version No.	Issued Date	Description
00	29,Jan,2024	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	35-1(assigned by WATC)
Sample Received Date	2024-01-15
Sample Status	Good Condition
Frequency Range	BT/BLE: 2402MHz - 2480MHz
Maximum Conducted Output Power	Bluetooth: 1.89dBm. BLE: -0.67dBm
Modulation Technology	Bluetooth: GFSK, $\pi/4$ DQPSK, 8DPSK BLE: GFSK
Antenna Gain [#]	2.12dBi
Power Supply	DC 3.87V from Battery or DC 5/9/11/12/15/20V from Adapter
Operating temperature [#]	-10 deg.C to +45deg.C
Adapter Information	Model: HJ-PD66W-US Input: AC100-240V, 50/60Hz, 1.5A Output: DC 5.0V, 3.0A, 15.0W or 9.0V, 3.0A, 27.0W or 12.0V, 3.0A, 36.0W or 15.0V, 3.0A, 45.0W or 20.0V, 3.25A, 65W or 11.0V, 6.0A, 66.0W MAX
Modification	Sample No Modification by the test lab

1.3 Laboratory Location

<p>World Alliance Testing and Certification (Shenzhen) Co., Ltd</p> <p>No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China</p> <p>Tel: +86-755-29691511, Email: qa@watc.com.cn</p> <p>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.</p> <p>The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.</p>
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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(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	2.0	5	0.5	3.0	Pass
BLE	2402-2480	0.0	5	0.3	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---