

# RF Exposure Evaluation Report

Report No.: RWAZ202300119F

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: TG2404GBA

Multiple Models: N/A

Trade Mark: UMIDIGI

FCC ID: 2ATZ4-G6TAB

**Standards:** 47 CFR §1.1310

KDB 447498 D01 General RF Exposure Guidance v06

**Test Date**: 2023/12/23

Test Result: Complied

**Report Date:** 2024/2/2

Reviewed by:

Approved by:

Abel Chen

Abel Chen

**Project Engineer** 

Jacob Kong

Tacob Gor

Manager

#### Prepared by:

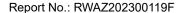
World Alliance Testing and Certification (Shenzhen) Co., Ltd

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# **Revision History**

Version No.	Issued Date	Description
00	2024-02-02	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, Nans 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

The EUT is Smart Tablet that contains Classic Bluetooth (BDR/EDR), BLE, 2.4G/5G WLAN, GSM/GPRS/EGPRS/WCDMA/LTE radios.

OSIM/OT NO/EST NO/WODIMA/ETE Tadios.			
Sample Serial Number	30-1(assigned by WATC)		
Sample Received Date	2023/12/12		
Sample Status	Good Condition		
Frequency Range	BT/BLE: 2402MHz - 2480MHz		
Maximum Conducted Output Power	Bluetooth: 1.69dBm BLE: -0.20dBm		
Modulation Technology	Bluetooth: GFSK, π/4 DQPSK, 8DPSK BLE: GFSK		
Antenna Gain <sup>#</sup>	BT/BLE: 0.97dBi		
Spatial Streams	SISO (1TX, 1RX)		
Power Supply	DC5V from adapter or DC3.8 V from battery		
Operating temperature#	0 deg.C to +45 deg.C		
Adapter 1 Information	Model: HF-0502000U Input: AC100-240V~ 50/60Hz 0.3A Output: DC 5.0V 2A		
Adapter 2 Information	Model: HJ-0502000W2-US Input: AC100-240V~ 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.

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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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [ $\sqrt{f(GHz)}$ ]  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  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  $\leq$  50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $\leq$  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
ВТ	2402-2480	2.0	5	0.5	3.0	Pass
BLE	2402-2480	0.0	г	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---