

# TEST REPORT

<b>FCC ID.</b> .....	2APD3TS100
<b>Test Report No.</b> .....	TCT221216E027
<b>Date of issue</b> .....	Jan. 09, 2023
<b>Testing laboratory</b> .....	SHENZHEN TONGCE TESTING LAB
<b>Testing location/ address:</b>	TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China
<b>Applicant's name</b> .....	SHEN ZHEN TOMSTAR TECHNOLOGY CO., LTD.
<b>Address</b> .....	Room 2110-2116, huafeng international building, NO.4018 BaoAn Blvd, Shenzhen, China.
<b>Manufacturer's name</b> ...	SHEN ZHEN TOMSTAR TECHNOLOGY CO., LTD.
<b>Address</b> .....	Room 2110-2116, huafeng international building, NO.4018 BaoAn Blvd, Shenzhen, China.
<b>Standard(s)</b> .....	FCC CFR Title 47 Part 2.1093
<b>Product Name</b> .....	Smart Watch
<b>Trade Mark</b> .....	N/A
<b>Model/Type reference</b> .....	TS100, RY67, TS38 pro, TS38max, TS38E, TS82, TS93, TS99, TS85, TS83, TS96, TS57, TS76E, TS63, TS59, TS89
<b>Rating(s)</b> .....	Rechargeable Li-ion Battery DC 3.7V
<b>Date of receipt of test item</b> .....	Dec. 16, 2022
<b>Date (s) of performance of test</b> .....	Dec. 15, 2022 - Jan. 09, 2023
<b>Tested by (+signature)</b> ...	Ronaldo LUO
<b>Check by (+signature)</b> ....	Beryl ZHAO
<b>Approved by (+signature):</b>	Tomsin

## General disclaimer:

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## 1. General Product Information

### 1.1. EUT description

Test item description .....	Smart Watch
Model/Type reference.....	TS100
Sample Number.....	TCT221216E026-0101
Operation Frequency .....	2402MHz~2480MHz
Modulation Type .....	GFSK
Antenna Type.....	Monopole Antenna
Antenna Gain.....	0dBi
Rating(s).....	Rechargeable Li-ion Battery DC 3.7V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

No.	Model No.	Tested with
1	TS100	<input checked="" type="checkbox"/>
Other models	RY67, TS38 pro, TS38max, TS38E, TS82, TS93, TS99, TS85, TS83, TS96, TS57, TS76E, TS63, TS59, TS89	<input type="checkbox"/>

Note: TS100 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of TS100 can represent the remaining models.

## 2. Facilities and Accreditations

### 2.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

### 2.2. Location

SHENZHEN TONGCE TESTING LAB

Address: TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

### 3. Test Results and Measurement Data

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 7.5$

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 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  $< 5$  mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

#### 3.1. Assessment Result

☒ **Passed** ☐ **Not Applicable**

Frequency range (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
2480	BT-BLE	4.00	4.00	0.79	7.5	Pass

Note: The exposure evaluation safety distance is 5mm.

**\*\*\*\*\*END OF REPORT\*\*\*\*\***