

TEST REPORT

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

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 ≤ 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*******