TCT 通测检测
TESTING CENTRE TECHNOLOGY

TEST REPORT

FCC ID. ..... :	2ABC5-E0116	
Test Report No..... :	TCT260116E024	
Date of issue..... :	Jan. 26, 2026	
Testing laboratory ..... :	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.	
Address..... :	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.	
Manufacturer's name ..... :	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.	
Address..... :	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.	
Standard(s) ..... :	FCC CFR Title 47 Part 1.1307 FCC CFR Title 47 Part 2.1091	
Product Name..... :	Android touch all-in-one machine	
Trade Mark ..... :	N/A	
Model/Type reference..... :	WM1519T	
Rating(s)..... :	Adapter Information: Model: FJ-SW2017S2403000 Input: AC 100-240V, 50/60Hz, 2.0A Max Output: DC 24.0V, 3.0A, 72.0W	
Date of receipt of test item ..... :	Dec. 17, 2025	
Date (s) of performance of test..... :	Dec. 17, 2025 ~ Jan. 26, 2026	
Tested by (+signature) ... :	Yannie ZHONG	Yannie Zhong
Check by (+signature).... :	Beryl ZHAO	Beryl Zhao
Approved by (+signature):	Tomsin	Tomsin

SHENZHEN TONGCE TESTING LAB TCT

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1. General Product Information

1.1. EUT description

Product Name ..... :	Android touch all-in-one machine
Model/Type reference ..... :	WM1519T
Sample Number.....:	TCT260116E009-0101
Operation Frequency..... :	For BT/BLE: 2402MHz~2480MHz For 2.4G WIFI: 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)/802.11ax(HE20)) 2422MHz~2452MHz (802.11n(HT40)/802.11ax(HE40)) For 5G WIFI: Band 1: 5180MHz~5240MHz Band 3: 5745MHz~5825MHz
Modulation Type..... :	For BT: GFSK, π/4-DQPSK, 8DPSK For BLE: GFSK For 2.4G WIFI: 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n: Orthogonal Frequency Division Multiplexing (OFDM) 802.11ax: Orthogonal Frequency-Division Multiple Access (OFDMA) For 5G WIFI: 802.11a/n: 64QAM, 16QAM, QPSK, BPSK 802.11ac: 256QAM, 64QAM, 16QAM, QPSK, BPSK 802.11ax: 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK
Antenna Type ..... :	IPEX Antenna
Antenna Gain ..... :	For BT/BLE/2.4G WIFI: -0.67dBi For 5G WIFI: 1.82dBi
Rating(s) ..... :	Adapter Information: Model: FJ-SW2017S2403000 Input: AC 100-240V, 50/60Hz, 2.0A Max Output: DC 24.0V, 3.0A, 72.0W

Note: 1. The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

2. 802.11ax not support partial RU mode, all test configurations are solely applicable to Full RU.

1.2. Model(s) list

None.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

2. General Information

2.1. Test environment and mode

Item	Normal condition
Temperature	+25ºC
Voltage	AC 120V
Humidity	56%
Atmospheric Pressure:	1008 mbar
Test Mode:	
Transmitting Mode:	Keep the EUT in continuous transmitting by select channel

2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

3. Facilities and Accreditations

3.1. 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.

● A2LA-No.: 4320.01

SHENZHEN TONGCE TESTING LAB

The testing lab has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4. Limit

According to §1.1310, the limit is as follow,

TABLE 1 TO § 1.1310(E)(1)—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(I) LIMITS FOR OCCUPATIONAL/CONTROLLED EXPOSURE				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f^2)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(II) LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f^2)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

*f = frequency in MHz. * = Plane-wave equivalent power density.*

5. Test Results and Measurement Data

According to §1.1307(b), systems operating under the provisions of this section 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.

Remark: 1) **For BT:** The maximum output power for antenna is 4.94dBm (3.12mW) at 2480MHz, -0.67dBi antenna gain(with 0.86 numeric antenna gain.)
For BLE: The maximum output power for antenna is 1.24dBm (1.33mW) at 2480MHz, -0.67dBi antenna gain(with 0.86 numeric antenna gain.)
For 2.4G WIFI: The maximum output power for antenna is 17.8dBm (60.26mW) at 2462MHz, -0.67dBi antenna gain(with 0.86 numeric antenna gain.)
For 5G WIFI: The maximum output power for antenna is 8.75dBm (7.50mW) at 5230MHz, 1.82dBi antenna gain(with 1.52 numeric antenna gain.)
2) For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20cm, even if the calculation indicate that the MPE distance would be lesser.

Calculation

Given $E = \frac{\sqrt{30 \times P \times G}}{d}$ & $S = \frac{E^2}{3770}$

Where E = *Field Strength in Volts / meter*
P = *Power in Watts*
G=*Numeric antenna gain*
d=*Distance in meters*
S=*Power Density in milliwatts / square centimeter*

Substituting the MPE safe distance using d=20cm into above equation.
Yields: S=0.000199*P*G

Mode	Power(mW)	numeric antenna gain	Power density (mW/cm^2)	Limit (mW/cm^2)	Result
BT	3.12	0.86	0.000532	1.0	PASS
BLE	1.33	0.86	0.000227		
2.4G WIFI	60.26	0.86	0.010274		
5G WIFI	7.50	1.52	0.002268		

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