

TEST REPORT

FCC ID.	2BOHA-Z168
Test Report No.	TCT250320E033
Date of issue	Apr. 01, 2025
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 Good Buddy Technology Co., Ltd.
Address	301, Building A, No. 5 Minle Road, Pinghu Community, Pinghu Street, Longgang District, Shenzhen, China
Manufacturer's name	Shenzhen Good Buddy Technology Co., Ltd.
Address	301, Building A, No. 5 Minle Road, Pinghu Community, Pinghu Street, Longgang District, Shenzhen, China
Standard(s)	KDB 447498 D01 General RF Exposure Guidance v06
Product Name	tablet
Trade Mark	ZIOVO DEERTiME Oghrti DMOAO SKYEGG FASHERA SUΛΛT JUEDUR Meberry Aocwei
Model/Type reference	Z168, E9, TAB20, TAB30, D5, Z118, S6, S10, R500, R800, R900, B29, B23, F10, K11, M6, M7, M8, X300, X500, X700, X800, X900
Rating(s)	Refer to EUT description of page 3
Date of receipt of test item	Mar. 20, 2025
Date (s) of performance of test	Mar. 20, 2025 ~ Apr. 01, 2025
Tested by (+signature)	Yannie ZHONG
Check by (+signature)	Beryl ZHAO
Approved by (+signature) :	Tomsin

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1. General Product Information

1.1. EUT description

Product Name.....	tablet
Model/Type reference.....	Z168
Sample Number.....	TCT250320E025-0101
Operation Frequency	For BT/BLE: 2402MHz~2480MHz For 2.4G WIFI: 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40)) For 5G WIFI: Band 1: 5180 MHz ~ 5240 MHz Band 3: 5745 MHz ~ 5825 MHz
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) For 5G WIFI: 256QAM, 64QAM, 16QAM, BPSK, QPSK
Antenna Type.....	FPC Antenna
Antenna Gain.....	For BT/BLE: 1.53dBi For 2.4G WIFI: 1.53dBi For 5G WIFI: Band 1: 1.62dBi Band 3: 1.80dBi
Rating(s)	Adapter Information: Model: FX2U-050200U Input: AC 100-240V, 50/60Hz, 0.4A max Output: DC 5V, 2A 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	Z168	<input checked="" type="checkbox"/>
Other models	E9, TAB20, TAB30, D5, Z118, S6, S10, R500, R800, R900, B29, B23, F10, K11, M6, M7, M8, X300, X500, X700, X800, X900	<input type="checkbox"/>

Note: Z168 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names and trademarks. So the test data of Z168 can represent the remaining models.

2. General Information

2.1. Test environment and mode

Item	Normal condition
Temperature	+25°C
Voltage	DC 3.7V
Humidity	56%
Atmospheric Pressure:	1008 mbar
Test Mode:	
Engineering 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.

- IC - Registration No.: 10668A
SHENZHEN TONGCE TESTING LAB
CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

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. Test Results and Measurement Data

According to KDB 447498 D01 General RF Exposure Guidance v06, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the commission's guidance.

The 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 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, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- When the minimum test separation distance is < 5 mm, a distance of 5 mm according is applied to determine SAR test exclusion.
- The result is rounded to one decimal place for comparison
- BDR+EDR:

Channel	Frequency (GHz)	Max. Power (dBm)	Tune up Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 39	2.441	1.27	1±1	2	1.58	5	0.50	3.0

BLE:

Channel	Frequency (GHz)	Max. Power (dBm)	Tune up Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 19	2.440	2.73	2±1	3	2.00	5	0.62	3.0

2.4G WIFI:

Channel	Frequency (GHz)	Max. Power (dBm)	Tune up Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 3	2.422	8.43	8±1	9	7.94	5	2.47	3.0

5G WIFI:

Channel	Frequency (GHz)	Max. Power (dBm)	Tune up Power (dBm)	Max. Tune up Power (dBm)	Max. Tune up Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 149	5.745	6.91	6±1	7	5.01	5	2.40	3.0

Result:

Base on the calculation value, No SAR measurement is required

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