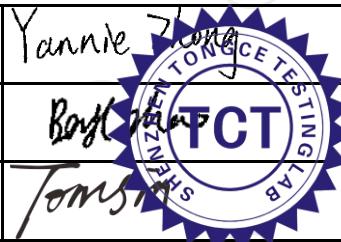


TEST REPORT

FCC ID.	2BAA3-TC233
Test Report No.	TCT230216E019
Date of issue.	Aug. 11, 2023
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 Zhimu Technology Co., Ltd.
Address	Room 1501, West block, Building 6, Phase 2, Tian'an Yungu industrial park, Bantian Street, Longgang District, Shenzhen, China
Manufacturer's name	Shenzhen Digital Dragon Electronics Co., LTD. (Dongguan) branch
Address	No.6, Jinshan 1st Street, Rome Village, Qingxi Town, Dongguan City, China
Standard(s)	FCC CFR Title 47 Part 1.1307
Product Name	Dog camera T2
Trade Mark	dokoo
Model/Type reference	ZS-TC233-US
Rating(s)	Refer to EUT description of page 3
Date of receipt of test item	Feb. 16, 2023
Date (s) of performance of test	Feb. 16, 2023 - Aug. 11, 2023
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.....	Dog camera T2
Model/Type reference.....	ZS-TC233-US
Sample Number.....	TCT230216E018-0101
Operation Frequency	2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40))
Modulation Type	DSSS(802.11b), OFDM (802.11g/802.11n)
Antenna Type.....	FPC Antenna
Antenna Gain.....	4.64dBi
Rating(s).....	Adapter Information 1: Model: TPA-46050200UU Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 2000mA Adapter Information 2: Model: KE012B-0500200M Input: AC 100-240V, 50/60Hz, 0.4A Max Output: DC 5.0V, 2.0A

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

None.

2. General Information

2.1. Test environment and mode

Item	Normal condition	
Temperature	+25°C	
Voltage	AC 120V/60Hz	
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.

- 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.

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 §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) The maximum output power for antenna is 17.32dBm (53.95mW) at 2462MHz, 4.64dBi antenna gain (with 2.91 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

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

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

Maximum Permissible Exposure

output power = 53.95mW

Numeric Antenna gain = 2.91

Substituting the MPE safe distance using $d=20\text{cm}$ into above equation.

Yields:

$$S = 0.000199 * P * G$$

Where P = Power in mW

G = Numeric antenna gain

S = Power density in mW/cm^2

$$\text{Power density} = 0.031242 \text{ mW/cm}^2$$

(For mobile or fixed location transmitters, the maximum power density is 1.0 mW/cm^2 even if the calculation indicates that the power density would be larger.)

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