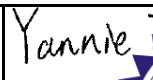




TEST REPORT

FCC ID..... :	2A525-M600	
Test Report No..... :	TCT240508E052	
Date of issue..... :	Jul. 02, 2024	
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..... :	Jiangsu Zhong Heng Pet Articles Joint-stock CO., LTD	
Address..... :	NO.1388 Century Avenue, Yandu District, Yancheng City, Jiangsu, China	
Manufacturer's name ... :	Jiangsu Zhong Heng Pet Articles Joint-stock CO., LTD	
Address..... :	NO.1388 Century Avenue, Yandu District, Yancheng City, Jiangsu, China	
Standard(s)..... :	FCC CFR Title 47 Part 1.1307	
Product Name..... :	SMARTO M600 Automatic cat litter box	
Trade Mark..... :	N/A	
Model/Type reference..... :	M600	
Rating(s)..... :	Adapter Information: Model: TEKA-TD120150US Input: AC 100-240V, 50/60Hz, 0.7A MAX Output: DC 12.0V, 1.5A	
Date of receipt of test item..... :	May 08, 2024	
Date (s) of performance of test..... :	May 08, 2024 ~ Jul. 02, 2024	
Tested by (+signature).... :	Yannie ZHONG	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	



General disclaimer:

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1. General Product Information

1.1. EUT description

Product Name:	SMARTO M600 Automatic cat litter box
Model/Type reference:	M600
Sample Number:	TCT240508E017-0101
Operation Frequency	For 2.4G WIFI: 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) For 5G WIFI: Band 1: 5180 MHz ~ 5240 MHz Band 2A: 5260 MHz ~ 5320 MHz Band 2C: 5500 MHz ~ 5700 MHz Band 3: 5745 MHz ~ 5825 MHz
Modulation Type	For 2.4G WIFI: 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n: Orthogonal Frequency Division Multiplexing(OFDM) For 5G WIFI: 64QAM, 16QAM, BPSK, QPSK
Antenna Type:	PCB Antenna
Antenna Gain:	For 2.4G WIFI: 1.95dBi For 5G WIFI: Band 1: 1.97dBi Band 2A: 1.08dBi Band 2C: 1.60dBi Band 3: -0.84dBi
Rating(s):	Adapter Information: Model: TEKA-TD120150US Input: AC 100–240V, 50/60Hz, 0.7A MAX Output: DC 12.0V, 1.5A

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
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) **For 2.4G WIFI:** The maximum output power for antenna is 11.86dBm (15.35mW) at 2422MHz, 1.95dBi antenna gain(with 1.57 numeric antenna gain.)
For 5G WIFI Band 1: The maximum output power for antenna is 13.12dBm (20.51mW) at 5240MHz, 1.97dBi antenna gain(with 1.57 numeric antenna gain.)
For 5G WIFI Band 2A: The maximum output power for antenna is 13.99dBm (25.06mW) at 5300MHz, 1.08dBi antenna gain(with 1.28 numeric antenna gain.)
For 5G WIFI Band 2C: The maximum output power for antenna is 10.51dBm (11.25mW) at 5700MHz, 1.60dBi antenna gain(with 1.45 numeric antenna gain.)
For 5G WIFI Band 3: The maximum output power for antenna is 14.54dBm (28.44mW) at 5745MHz, -0.84dBi antenna gain(with 0.82 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: $S=0.000199 \times P \times G$

Mode	Power (dBm)	Power(mW)	numeric antenna gain	Power density (mW/cm ²)	Limit (mW/cm ²)	Result
2.4G WIFI	11.86	15.35	1.57	0.004796	1.00	PASS
5G WIFI Band 1	13.12	20.51	1.57	0.006408	1.00	
5G WIFI Band 2A	13.99	25.06	1.28	0.006383	1.00	
5G WIFI Band 2C	10.51	11.25	1.45	0.003246	1.00	
5G WIFI Band 3	14.54	28.44	0.82	0.004641	1.00	

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