

TEST REPORT

FCC ID. :	2A5Z8-GNBX01	
Test Report No..... :	TCT240311E016	
Date of issue..... :	Apr. 08, 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..... :	Shenzhen Jos Technology Co., Ltd.	
Address..... :	201, Building B, No. 213 Fuyuan Street, Fenghuang Community, Fuyong Street, Bao'an District, Shenzhen, China	
Manufacturer's name ... :	Shenzhen Jos Technology Co., Ltd.	
Address..... :	201, Building B, No. 213 Fuyuan Street, Fenghuang Community, Fuyong Street, Bao'an District, Shenzhen, China	
Standard(s)	KDB 447498 D04 Interim General RF Exposure Guidance v01	
Product Name..... :	WIRELESS KEYPAD	
Trade Mark	N/A	
Model/Type reference..... :	J-GNBX01	
Rating(s)..... :	DC 3V	
Date of receipt of test item	Mar. 11, 2024	
Date (s) of performance of test..... :	Mar. 11, 2024 ~ Apr. 08, 2024	
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.....:	WIRELESS KEYPAD
Model/Type reference.....:	J-GNBX01
Sample Number.....:	TCT240311E015-0101
Operation Frequency	300MHz-390MHz, 433.92MHz
Modulation Type	FSK
Antenna Type.....:	PCB Antenna
Antenna Gain.....:	0dBi
Rating(s).....:	DC 3V

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	DC 3V
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-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

4.1. Requirements

For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

4.2. Test Result

Frequency (MHz)	Electric field strength (dBuV/m)@3m	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
300	75.53	-24.40	-25±1	-24	0.0040	5	0.00044	3.0
372.5	74.71	-25.22	-26±1	-25	0.0032	5	0.00039	3.0
390	70.45	-29.48	-30±1	-29	0.0013	5	0.00016	3.0
433.92	60.24	-39.69	-40±1	-39	0.0001	5	0.00002	3.0

Note: Computational formula for below 1GHz

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} + 20 \log(\text{d[m]}) - 104.77;$$

$$\text{Conducted Power} = \text{EIRP}-4.7;$$

where

E is the electric field strength in V/m; d is the measurement distance in meters (m)

Result:

Because the max tune up power is less than the exemption limit, so No SAR measurement is required.

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