

	TEST REPOR	T
FCC ID:	2AUARTPMST600	
Test Report No::	TCT231101E0105	
Date of issue::	Nov. 27, 2023	
Testing laboratory:	SHENZHEN TONGCE TESTING	S LAB
Testing location/ address:	2101 & 2201, Zhenchang Factor Fuhai Subdistrict, Bao'an District 518103, People's Republic of Ch	, Shenzhen, Guangdong,
Applicant's name::	THINKCAR TECH CO., LTD.	
Address::	2606, building 4, phase II, Tianar Bantian, Longgang District, Sher	•
Manufacturer's name:	THINKCAR TECH CO., LTD.	
Address::	2606, building 4, phase II, Tianar Bantian, Longgang District, Sher	
Standard(s)::	KDB 447498 D01 General RF Ex	xposure Guidance v06
Product Name::	TPMS Diagnostic Tool	
Trade Mark:	THINKCAR, XHINKCAR, MUCA	R
Model/Type reference:	TKTT6	
Rating(s)::	Rechargeable Li-ion Battery DC	3.7V
Date of receipt of test item:	Nov. 01, 2023	
Date (s) of performance of test:	Nov. 01, 2023 - Nov. 27, 2023	
Tested by (+signature):	Yannie ZHONG	Yannie Zungceza
Check by (+signature):	Beryl ZHAO	Boy (FCT)
Approved by (+signature):	Tomsin	Tomsies &

General disclaimer:

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Report No.: TCT231101E0105

1. General Product Information

1.1. EUT description

Product Name:	TPMS Diagnostic Tool	(3)		(6)
Model/Type reference:	ТКТТ6			
Sample Number:	TCT231101E023-0101			
Operation Frequency:	315MHz, 433.92MHz		(0)	
Modulation Type:	FSK			
Antenna Type:	Internal Antenna	(C)		(C)
Antenna Gain:	3.21dBi			
Rating(s):	Rechargeable Li-ion Battery DC	3.7V	(3)	

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

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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	
				1	

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.



TESTING CENTRE TECHNOLOGY Report No.: TCT231101E0105

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





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4. Test Results and Measurement Data

4.1. Requirements

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 ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR, where

- f(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

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
315	73.56	-26.37	-27±1	-26	0.0025	5	0.0003	3.0
433.92	88.81	-11.12	-12±1	-11	0.0794	5	0.0105	3.0

Note: computational formula

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

Conducted Power = 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****

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