THINKCAR TKTT6 TPMS Diagnostic Tool User Manual

Contents

THINKCAR

THINKCAR TKTT6 TPMS Diagnostic Tool

Specifications

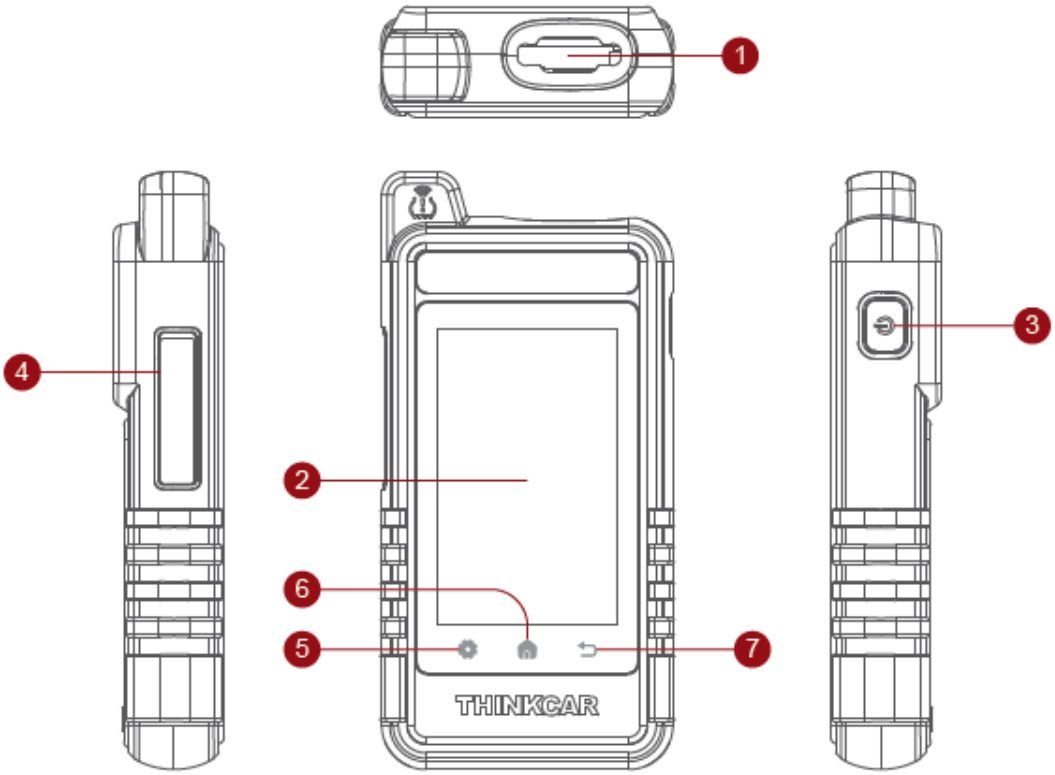
- Product Name: THINKTPMS T600
- Screen Size: 4-inch touch screen
- Screen Resolution: 480*800 dpi
- Functions: TPMS, OBD, Reset, OE Search, Repair Info, Upgrade, and Settings
- Compatibility: Asian, American, and European models equipped with tire pressure systems
- Charging Port: TYPE-C charging port
- Wireless Connectivity: Wi-Fi

TPMS Diagnostic Tool
TKTT6

Quick Start Manual

Product Introduction

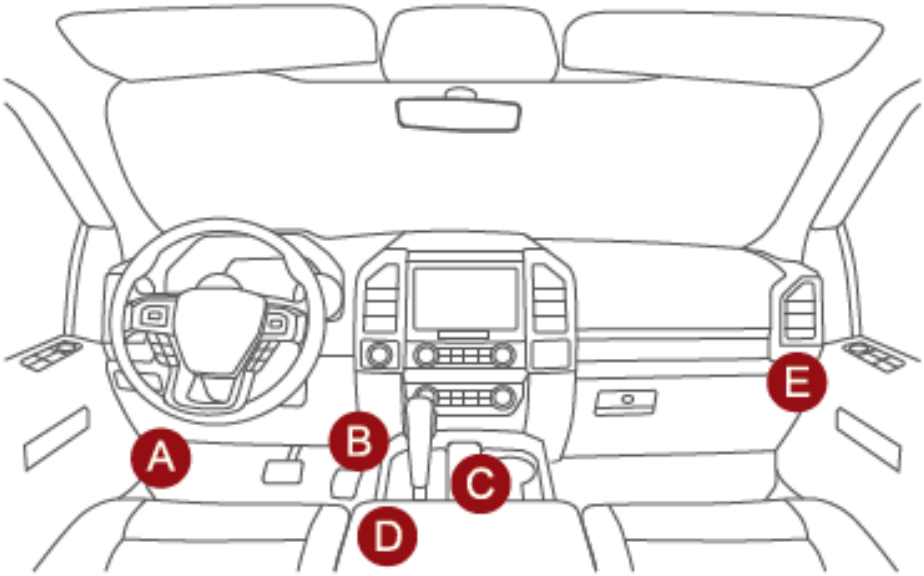
The new generation of tire pressure monitoring system tool THINKTPMS T600 is equipped with a 4-inch touch screen and provides complete tire pressure system diagnosis and 10 common reset functions. It is compatible with Asian, American, and European models equipped with tire pressure systems. Supports check, read, program and relearn sensors, as well as full OBD / EOBD functionality.



NO.	Name	Introduction
1	15-pin diagnostic line interface	The test mainline is connected to the T600 through a 15-pin three-row connector.
2	Screen	4-inch touch screen (480*800 dpi).
3	Power key	Press it and last 3 seconds to turn it on. • Screen On: Press it once to enter hibernate mode. • If the tool has no power, or after the automatic shutdown interval, the tool will shutdown automatically. • If the device is charging and does not operate within 5 minutes, it will automatically enter hibernate mode to conserve battery power. • Screen Off (hibernate): Press it once to wake it up.Press it and last 3 seconds to turn it off.
4	Charging port	TYPE-C charging port
5	Touch key	Click to enter the Repair info
6	Touch key	Click to return to the homepage
7	Touch key	Click Back to previous page

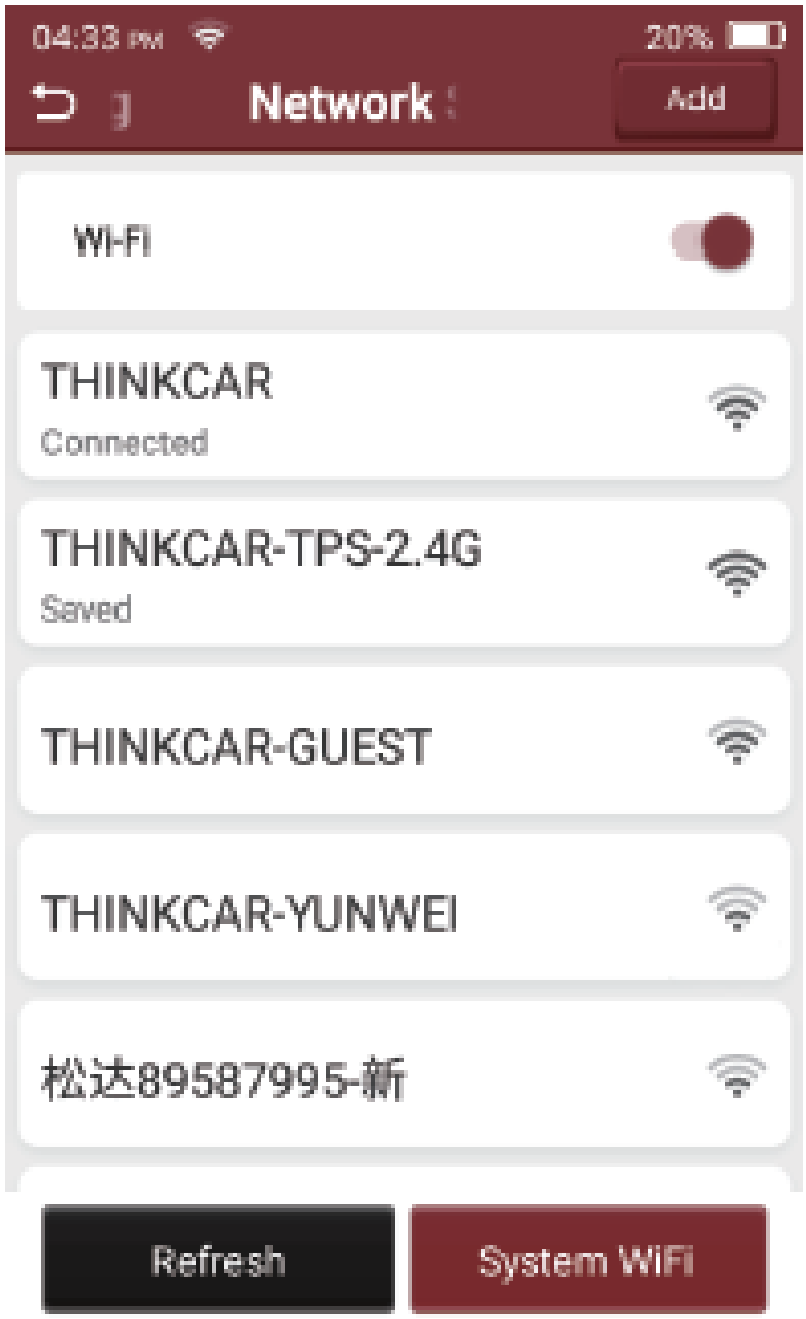
OBDII (EOBD) Diagnostic Cable

Connect the vehicle's DLC port to utilize the OBD diagnostics and TPMS learning functions.



Note: Tire pressure programming, learning and OBD diagnostic functions can be performed by connecting the DLC port. Normally, the OBD port is located under the instrument panel, above the pedal on the driver's side. The OBD port is normally located under the instrument panel,
above the driver's side pedal. The five locations shown in the diagram are common OBDII port location

Connect To Wi-Fi

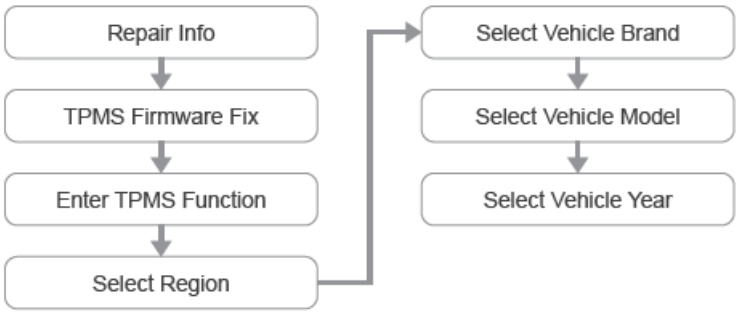


The system will automatically search for all available Wi-Fi networks, and you can select the desired “Wi-Fi” to connect to the network.
Note: Wi-Fi must be set up before use.

Function Description

The THINKTPMS T600 mainly has the following 7 functions: TPMS, OBD, Reset, OE Search, Repair Info, Upgrade and Settings.

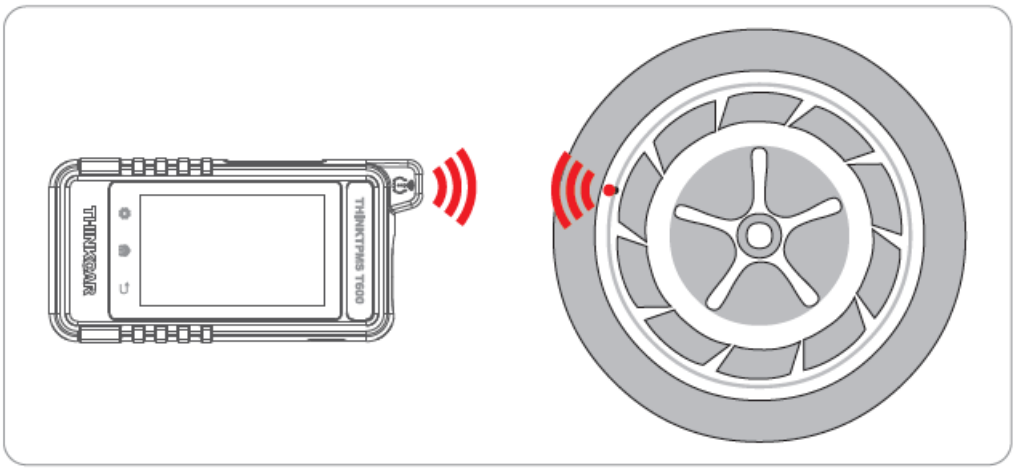
TPMS
Perform basic TPMS functions with tire pressure monitoring, including activate sensor, programming sensor, and sensor learning. For initial use, follow these steps to access the TPMS function menu.



Tip: Please upgrade the firmware in Repair Info – TPMS firmware repair.

Check sensor
This function allows you to activate the tire pressure sensor and view sensor data such as sensor ID, tire pressure, tire temperature and battery condition.

1. When using it for the first time, please follow the steps below to enter the TPMS function menu.
   Enter TPMS→ select vehicle manufacturer→ select the vehicle model→ select the vehicle year. The default sensor activation sequence is: FL (front left) – >FR (front right) – >RR (rear right) – > RL (rear left). To manually select the corresponding tyre, tap the screen to select it.
2. For universal sensors. Place the tool next to the stem, point to the sensor position and press the OK button. Once the sensor has been successfully activated and decoded, the THINKTPMST600 will indicate that the sensor has been activated and the sensor data will be displayed on the screen.



Notes

1. For early magnet-activated sensors, lace the magnet over the stem and then place the tool alongside the valve stem.
2. If the TPMS sensor requires tire deflation of the order of 10PSD, then deflate the tire and place the tool alongside the stem while pressing the button.
3. After the sensor is successfully activated, the following interface will appear.

Sensor Programming
This function allows you to program THINKCAR sensor data to replace a faulty sensor that has insufficient battery capacity or is not functioning properly. The THINKTPMST600's Sensor Programming function consists of: Automatic, Manual, Activate Duplicate, and Create Multiple.
Automatic Create: This function programs THINKCAR sensors with a randomized ID, and when the original sensor ID is not available, the sensor is programmed based on the test When the original sensor ID is not available, depending on the test vehicle created, select the wheel to be programmed, place a THINKCAR sensor on the tool's tire pressure antenna attachment, and select "Auto" to create a random sensor ID.

Note
If a random ID is entered, please perform the TPMS Relearn function after programming is finished. If the original ID is entered, there is no need to perform Relearn function.
Manual input: This function allows users to manually enter sensor ID. Users can enter the random ID or the original sensor ID, if it is available.

Note

1. If a random ID is entered, please perform the TPMS Relearn function after programming is finished. If the original ID is entered, there is no need to perform Relearn function.
2. If a vehicle does not support relearn function, please select the Manual input option to enter the original sensor ID manually, or trigger the original sensor at the activation interface lo get its information, before programming the THINKCAR sensor.

COPY ID BY ACTIVATE: This function allows users to write in the retrieved original sensor data to the THINKCAR sensor. It is used after the original sensor is triggered.

COPY BY OBD: Copy through OBD connection

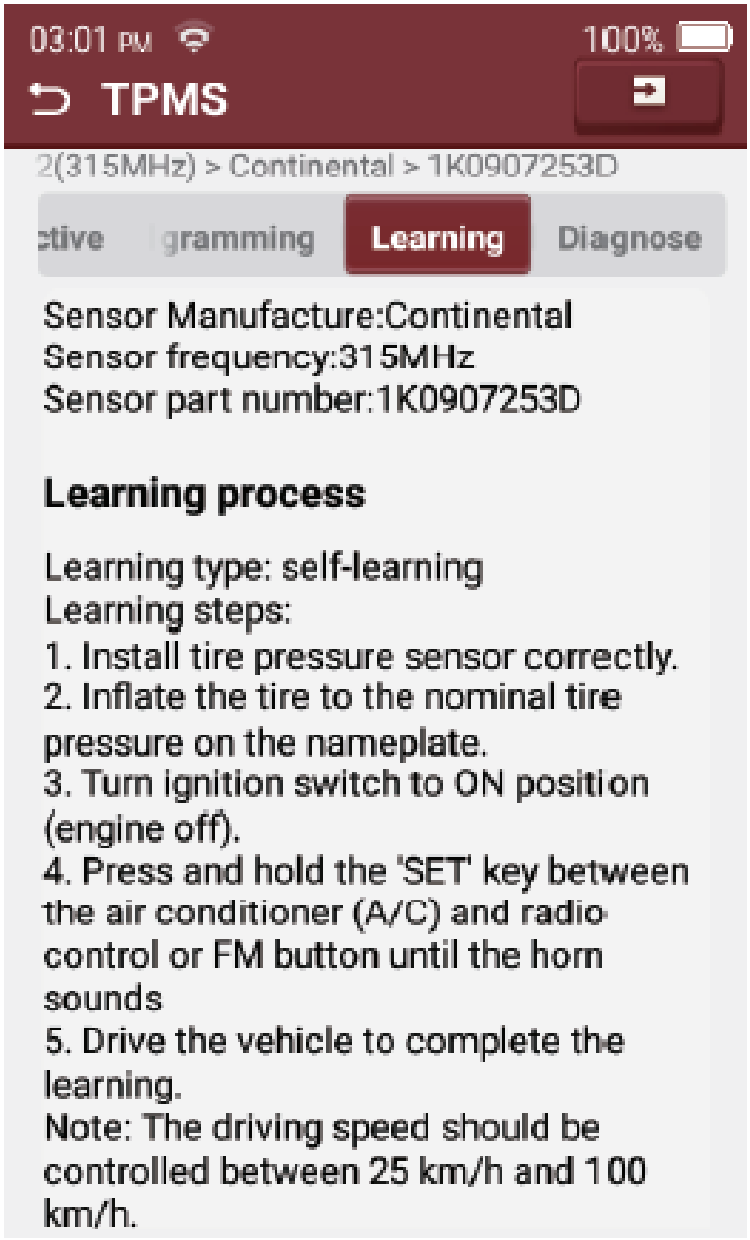
Program steps

- Place a THINKCAR sensor near the tire pressure antenna of the tool
- Select the wheel on which you want to install the sensor (front left, front right, rear left, rear right).
- Select the programming method (Create sensor, Manual input, Copy by activate, copy by OBD).
- Click “Program”.

The programming process usually takes 1 minute, the end of the process will prompt you with the programming result, and the sensor data will be displayed on the screen when it is complete.

Relearn Sensor

This function allows you to check and view the detailed TPMS sensor relearn procedures. Relearn operation applies only when the newly programmed sensor ID are different from the original sensor IDs stored in the vehicle’s ECU. Relearn is used to write the newly programmed sensor IDs into the vehicle’s ECU for sensor recognition. Please follow the on-screen prompts to complete the learning operation.



OBD
Plugged into the DLC socket of the car through the OBD diagnostic cable, the functions of reading fault codes, clearing fault codes, and reading ECU IDs can be realized.

Reset
Supports 10 common maintenance and servicing functions, including:
ABS Bleeding (ABS), DPF Regeneration (DPF), Oil Reset (OIL), Brake Pad Reset (EPB), Injector Coding (INJEC), Battery Matching (BMS), TPMS Reset (TPMS), Elec. Throttle Adaption (ETS), Steering Angle Learning (SAS), IMMO Service (IMMO).

OE Search
Quickly check the original factory number of auto parts, and activate, program and view technical support operations.

Repair Info
It involves 8 functional modules, including:
History, Feedback, Gallery, Screen Record, Firmware Fix, Tire pressure firmware repair, DTC, Data Clear, manual.

Upgrade
This module allows you to update diagnostic software and maintenance service functions.

Setting
Here you can make general system settings, modify and add information, including: Network, Language, Unit Of Measure, Brightness, App Upgrade, Screenshots, Screen Recording, Time Zone, Sleep Time, File Manager, Help, About.

Warranty Terms

- This warranty applies only to users and distributors who purchase THINKTPMS T600 products through normal procedures. Provide free warranty within one year. THINKCAR TECH warrants its electronic products for damages caused by defects in materials or workmanship. Damages to the equipment or components caused by abusing, unauthorized modification, using for non-designed purposes, operational manner not specified in the instructions, etc. are not covered by this warranty. The compensation for dashboard damage caused by the defect of this equipment is limited to repair or replacement. THINK-CAR TECH does not bear any indirect and incidental losses. THINKCAR TECH will judge the nature of the equipment damage according to its prescribed inspection methods. No agents, employees or business representatives of THINKCAR TECH are authorized to make any confirmation, notice or promise related to THINKCAR TECH products.
- **Service Line:** 1-909-757-1959
- **Customer** Service Email: **support@thinkcar.com**
- **Official Website**: **www.thinkcar.com**
- **Products tutorial**, videos, FAQ and coverage list are available on Thinkcar official website.

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SAR Information Statement

Your TPMS Diagnostic Tool is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for TPMS Diagnostic Tool employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the TPMS Diagnostic Tool transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the TPMS Diagnostic Tool while operating can be well below the maximum value. This is because the TPMS Diagnostic Tool is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a TPMS Diagnostic Tool model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this TPMS Diagnostic Tool when worn on the body, as described in this user guide, is 0.55 W/Kg (Body-worn measurements differ among TPMS Diagnostic Tool. While there may be differences between the SAR levels of various TPMS Diagnostic Tool and at various positions, they all meet the government requirement for safe exposure.
The FCC has granted an Equipment Authorization for this TPMS Diagnostic Tool with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this TPMS Diagnostic Tool is on file with the FCC and can be found under the Display Grant section of **http://www.fcc.gov/** oet/fccid after searching on

FCC ID

2AUARTPMST600 Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at **http://www.wow-com.com.** * In the United States and Canada, the SAR limit for TPMS Diagnostic Tool used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
The SAR test distance is 0mm.

FCC Statement

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful

interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

SAR Information Statement

Your TPMS Diagnostic Tool is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Innovation, Science and Economic Development Canada of the Canada Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for TPMS Diagnostic Tool employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the ISED is 1.6 W/kg. * Tests for SAR are conducted with the TPMS Diagnostic Tool transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the TPMS Diagnostic Tool while operating can be well below the maximum value. This is because the TPMS Diagnostic Tool is designed to operate at multiple power levels so as to use only the power required to reach the network. In

general, the closer you are to a wireless base station antenna, the lower the power output. Before a TPMS Diagnostic Tool is available for sale to the public, it must be tested and certified to the ISED that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the ISED for each model. The highest SAR value for this TPMS Diagnostic Tool when worn on the body, as described in this user guide, is 0.55 W/Kg

(Body-worn measurements differ among TPMS Diagnostic Tool, depending upon available accessories and ISED requirements). While there may be differences between the SAR levels of various TPMS Diagnostic Tool and at various positions, they all meet the government requirement for safe exposure. The ISED has granted an Equipment Authorization for this TPMS Diagnostic Tool with all reported SAR levels evaluated as in compliance with the ISED RF exposure guidelines. SAR information on this TPMS Diagnostic Tool is on file with the FCC and can be found under the Display Grant section of **https://sms-sgs.ic.gc.ca/** after searching on IC: 26415-TPMST600 Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at **http://www.wow-com.com.** * In the United States and Canada, the SAR limit for TPMS Diagnostic Tool used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
The SAR test distance is 0mm.

IC Statement
This device complies with Industry Canada's licenceexempt RSSs.

Operation is subject to the following two conditions

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause

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Documents / Resources

	**THINKCAR TKTT6 TPMS Diagnostic Tool** [pdf] User Manual 2AUARTPMST600, TKTT6, TKTT6 TPMS Diagnostic Tool, TPMS Diagnostic Tool, Diagnostic Tool, Tool

References

- Spectrum Management System
- THINKCAR Company
- CTIA - Home
- Spectrum Management System
- User Manual