

# ***WLAN 802.11p mini-PCI Module***

***GWP5401***

***User Manual***

**Copyright Statement**

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**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

**Wireless 5 GHz Band Statements:**

This module could only been operated at 5860-5920 MHz frequency band.

**This device is intended only for OEM integrators under the following conditions:**

The antenna must be installed such that 20 cm is maintained between the antenna and users, and

The transmitter module may not be co-located with any other transmitter or antenna,

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

**IMPORTANT NOTE:**

In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

**USERS MANUAL OF THE END PRODUCT:**

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. If the size of the end product is smaller than 8x10cm, then additional FCC part 15.19 statement is required to be available in the user's manual: This device complies with Part 15 of 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.

**LABEL OF THE END PRODUCT:**

The final end product must be labeled in a visible area with the following " Contains TX FCC ID:

**RDCGTGC5401WL** ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.

#### Professional installation

Section 15.204(b) states that an approved "transmission system" must always be marketed as a complete system including the antenna.

#### Objection of DSRC

Dedicated short-range communication (DSRC), also namely IEEE 802/11p, is a two-way wireless communication technology designed for automobile user improving load safety. DSRC is one of IEEE 802 family protocol. In order to improve load safety, DSRC can provide low transmission latency and high transmission frequency up to 10Hz. According to DSRC, an automobile user can acquire the up-to-date travel information and make a suitable activity to avoid the travel accident.

#### Objection of DSRC-OBU

An On-board Unit (OBU) is a unit which equipped with DSRC wireless technique. DSRC-OBU is responsible for gather travel status notifying to the driver.

This equipment is strictly limit the usage to DSRCs-OBUs.

To satisfy RF exposure, only dipole antenna(s) with a max gain of 0dBi or similar antenna(s) with equal or lesser gain may be used with this transmitter.

Antenna General Information			
No.	Ant. Cat.	Ant. Type	Gain (dBi)
1	External	Dipole	0