

DSRC wireless mini-PCI Module



User Manual

Model: DCMA-86P2

Version: 1.0

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IMPORTANTNOTE: 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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

Wireless 5 GHz Band Statements:

This module could only be operated at 5850-5925 MHz frequency band.

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

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna,



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.

Manual Information To the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following "Contains TX FCC ID: NUK-DCMA86P2".

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 5 dBi or similar antenna(s) with equal or lesser gain may be used with this transmitter.