

User manual for C2NA1486 module

Compliance and Conformity

FCC Description:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 and Part 18 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.
- The use of a non-shielded interface cable with the referenced device is prohibited.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

Industry Canada statement:

This device contains licence-exempt transmitter(s) / receiver(s) that complies with Innovation, Science and Economic Development Canada's licence-exempt RSS (s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other transmitter.

Industry Canada ICES-003 Compliance Label: CAN ICES-3B/NMB-3B

How to use the module:

This module C2NA1486 is used only in the MFP (Multi Function Printer) made by Kyocera Document Solutions Inc. our company.

It won't be in other companies' products.

The module will not be sold to other companies.

It is installed in our company MFP produced at our company Plant.

Specific usage:

- Input 5 V and 3.3 V
- Read/write the data of the Tag attached to our toner container of the MFP. Specifically, the RFID module receives the data from the MFP, and the data is emitted from the antenna of the RFID module to the Tag as an ASK modulated wave.

Operating frequency range:

Center: 13.56 MHz

Upper: 13.560300 MHz, Lower: Lower: 13.559700 MHz

Installable Applications

Only our company branded applications can be installed.

This module is installed only in our company MFPs.

Therefore, we do not sell to other companies. Specifications will not be disclosed to other companies.

User separation distance required to meet RF exposure conditions

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.

Restrictions on Host Equipment under FCC Rule 15.225

This module C2NA1486 is used only in the MFP (Multi Function Printer) made by Kyocera Document Solutions Inc. our company.

Therefore, it is used in the same environment where the FCC Test was performed.

Precautions to be included in the End User Manual (Examples: Indoor use only, use prohibited in aircraft, separation distance, etc.)

This module C2NA1486 is used in only our products and not intended for sale to third parties.

This module is installed in MFPs (Multi Function Printer) at our company factory. At that time, it will be mounted according to the designated work order.

Therefore, the antennas, circuits, and parts used are not changed.

MFPs (Multi Function Printer) with this module are used in office environments.

In other words, it is used in an indoor environment because it is used as a function to print various information on paper.

It is not used in aircraft.

Seiji Kanayama, Manager

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