

Integration Instructions for installation of RFID Reader, type 2N® LFHF SMD V1 2018 in a host product

Requirement 2.2 – List of applicable FCC rules

The following FCC rules are applicable to the equipment:

- CFR 47, Part 15, Subpart C, 15.209 – Radiated Emission Limits
- CFR 47, Part 15, Subpart C, 15.225 – Operation within the band 13.110-14.010 MHz

Requirement 2.3 – Summary of operational use conditions

Antenna configuration

The loop antennas are integral to the module board. The loop for the 125 kHz RFID Reader is a coil that is soldered to the module PWB. The antenna for the 13.56 MHz RFID Reader is a coil traced on the module PWB. These antenna configuration must not be altered when the module is installed in a host product.

Requirement 2.6 - RF Exposure conditions

Installation instructions

The module is exempt from routine evaluation to rf exposure requirements. No rf exposure warning is required for the module when installed in a host product.

Requirement 2.7 – Antennas

The loop antennas are integral to the module board. The loop for the 125 kHz RFID Reader is a coil that is soldered to the module PWB. The antenna for the 13.56 MHz RFID Reader is a coil traced on the module PWB.

Requirement 2.8 – Label and Compliance Information

Host Label requirement

The host product must contain a label that states the following:

*Contains FCC ID: 2AQPZ-NFC2F
IC: 22140-NFC2F*

Host user information and warnings

The following statements and warnings must be included in the host product user manual:

- 1) "Warning: Changes or modifications to the product not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment."
- 2) "This device complies with FCC Part 15 rules, 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."

The following warning against modification should also be included in the user documentation for the host device:

"Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment."

For Canada the user warnings must be in both English and French. The following warnings are required for Canada:

"This device complies with ISED Canada licence-exempt RSS standard(s). 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 undesired operation of the device."

Le présent appareil est conforme aux CNR d'Industrie 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'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Requirement 2.9 – Information on test modes and additional test

Testing has been performed on the module PWB outside of a host device.

Requirement 2.10 – Additional test requirements

This module is only authorized for FCC rule parts listed on the FCC grant. The host equipment manufacturer is responsible to test the host device for compliance with Unintentional Radiator requirements with the modules installed to determine if the host device in combination with the module(s) is in compliance with emissions requirements of CFR 47, Part 15, Subpart B and ICES-003.