

User Manual

FCC ID: 2AZ5S-MN0

System Description

NINA-B302 is a 2.4GHz ISM-band RF module. The SoC has an ARM Cortex M4F processor and a wide selection of peripherals, incl GPIO, UART, PWM, I2C, and SWD Debug. The module size is 10 x 15.0 mm. The module is intended for integration into low-energy RF end-products.

Regulatory Compliance and Safety Information

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.

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 the 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 correct the interference using either 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.

Any changes or modifications NOT explicitly approved by the party responsible for compliance may void the user's authority to operate this equipment.

RF Exposure

The MN0 module complies with the FCC radiation exposure limits set forth for an uncontrolled environment.

☞ Having a separation distance of minimum 10 mm between the user and/or bystander and the antenna and /or radiating element ensures that the maximum output power of

MN0 is below the SAR test exclusion limits presented in KDB 447498 D01v06 (US market limits).

End product labelling requirements

An end product using the NINA-B302 module must have a label containing, at least, the information shown in Figure 1.

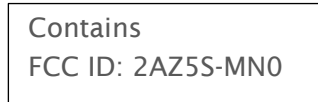


Fig 1. End product label