Regulatory integration instructions for USA market

This document lists the requirements for module integrators for using the RTX FCC ID, information is based on FCC KDB 996369 D03 OEM Manual v01r01.

Section 1 of this document lists the instructions for supporting the certification.
Section 2 of this document lists the text to be added to the user manual.

1 Integration instructions for host product manufacturers.

1.1 General

This document refers to FCC 996369 D03 OEM Manual v01r01, and lists the requirements for module integrators.

1.2 List of applicable FCC rules

CFR 47 FCC PART 15 SUBPART D has been investigated. It is applicable to the modular.

1.3 Specific operational use conditions

This module is stand-alone modular and can be used in both fix and mobile, portable devices. If the end-product will involve multiple simultaneously transmitting radios or different operational conditions for the stand-alone modular transmitter, the host manufacturer have to consult with module manufacturer for the installation method in end system.

1.4 Limited module procedures

Not applicable

1.5 Trace antenna designs

Not applicable

1.6 RF exposure considerations

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.

For making a device where the distance to body is below 20 cm, it is necessary to perform a FCC SAR measurement on the complete device and using the class 2 permissive change (C2PC).

1.7 Antennas

This radio transmitter FCC ID: S9JRTX1090R1has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

For model RTX1090R1, the EUT using two antenna:

No.	Antenna Type	Antenna Gain	Frequency Range
Antenna 1	PCB	EU/US/JP: 6dBi	1880-1930 MHz
Antenna 2	PCB	EU: 3.7dBi US: 3.8dBi JP: 3.9dBi	1880-1930 MHz

1.8 Label and compliance information

The final end product must be labeled in a visible area with the following text:
"Contains FCC ID: S9JRTX1090R1"

1.9 Information on test modes and additional testing requirements

Host manufacturer is strongly recommended to confirm compliance with FCC requirements for the transmitter when the module is installed in the host.

1.10 Additional testing, Part 15 Subpart B disclaimer

Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B

2 Information to be added to manual

FCC Warning Statement.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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 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.

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 20 cm between the radiator& your body.