

User Manual

Since this module is not sold to general end users directly, there is no user manual of module.

For the details about this module, please refer to the specification sheet of module.

Based on the above conditions, the statements for RF Exposure will be indicated as follows;

“This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency(RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio(SAR).”

This is Limited modular approval as this module is limited to installation by the grantee into our host systems.

The device is designed to use the antennas listed below. Do not modify the antenna or any other part of the module. Any modifications will invalidate the modular certifications and require new approvals for the host system.

Model No.	Antenna Type	Antenna Gain (Peak Gain)
47950-0001(Molex)	FPC	2.4-2.5GHz : 3.0dBi, 4.8-5.85GHz : 4.6dBi
Mini-Nanoblade(Laird)	PCB	2.0-2.5GHz : 2.5dBi, 4.9-5.875GHz : 4.8dBi

The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant (FCC Part 15.247), and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.

This device complies with below part 15 of the FCC Rules.
Part 15 Subpart C, E

The following information must be indicated on the host device of this module;

[for FCC]

Contains Transmitter Module FCC ID: B6BGZ-1XXP2

or

Contains FCC ID: B6BGZ-1XXP2

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.

*If it is difficult to describe this statement on the host product due to the size, please describe in the User's manual.

The following statements must be described on the user manual of the host device of this module;

[for FCC]

FCC CAUTION

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

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

5.15-5.35GHz band is restricted to indoor operations only.

Compliance with FCC requirement 15.407(c)

Data transmission is always initiated by software, which is passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

The frequency tolerance must be ± 20 ppm or less.