



muRata LBEE5ZZ1PJ W-LAN Bluetooth Module User Manual

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muRata LBEE5ZZ1PJ W-LAN Bluetooth Module



Federal Communications Commission

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. This module should be installed in the host device according to the interface specification (installation procedure).

- 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.

- FCC CAUTION Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Compliance with FCC requirement 15.407(c) Data transmission is always initiated by software, which is the 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.
- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
 - This device complies with below part 15 of FCC Rules. Part 15 Subpart C Part 15 Subpart E
- The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant, 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. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.
- This module designed for mounting inside of the end product by us professionally. Therefore, it complies with the antenna and transmission system requirements of §15.203.
- Since there is no space which indicates FCC ID on this module, FCC ID is indicated in a manual. If the FCC ID is not visible when the module is installed inside another device, then the module is installed must also display a label referring to the enclosed module.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines as this equipment has very low levels of RF energy.

Antenna Information

Antenna Type Name	Antenna-1PJ-MC501
Antenna Maker	Murata Manufacturing Co., Ltd.
Antenna Type	Monopole Antenna
Common Name	Pattern Antenna
Characteristic	
Input Impedance	50 ohm
Max Peak Gain	1.8dBi @ 2400-2484MHz
	2.0dBi @ 5150-5850MHz

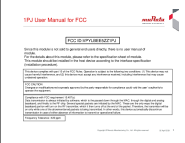
The following statements must be described on the user manual of the host device of this module;

- Contains Transmitter Module FCC ID: VPYLBEE5ZZ1PJ or Contains FCC ID: VPYLBEE5ZZ1PJ
- 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.
- FCC CAUTION Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 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.
- Frequency Tolerance: ± 20 ppm This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
- When installing it in mobile equipment. Please describe the following warning to the manual. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines as this equipment has very low levels of RF energy.

Note)

- **Portable equipment:** Equipment for which the spaces between the human body and antenna are used within 20cm.
- **Mobile equipment:** Equipment used at the position in which the spaces between the human body and antenna exceeded 20cm.

Documents / Resources

	<p>muRata LBEE5ZZ1PJ W-LAN Bluetooth Module [pdf] User Manual LBEE5ZZ1PJ, VPYLBEE5ZZ1PJ, LBEE5ZZ1PJ W-LAN Bluetooth Module, W-LAN Bluetooth Module, Bluetooth Module, Module</p>
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