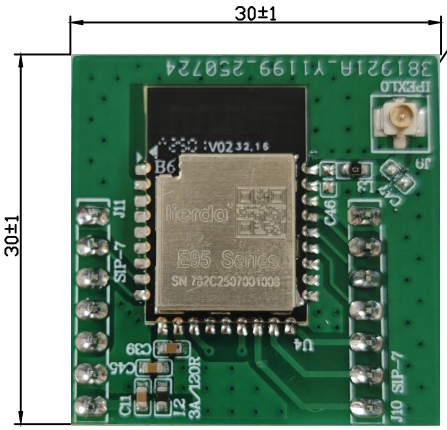
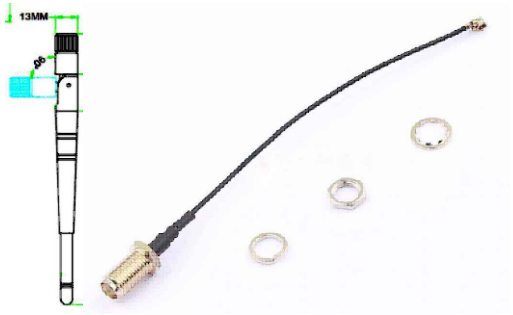
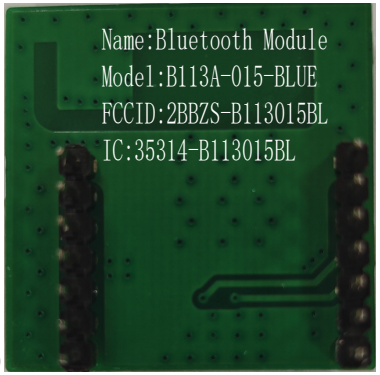


BW2.4GJWX156-13KK

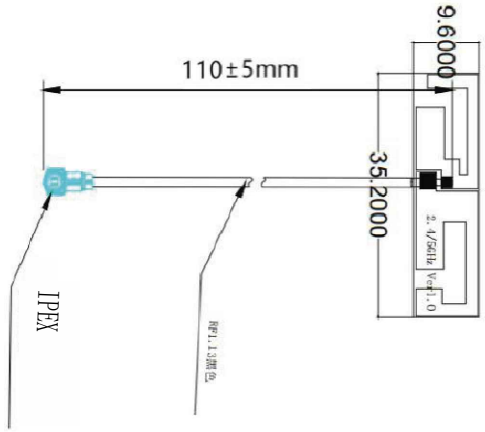


BW2.4FND35-10B1L110



GND
NC
PWR_CTL
NC
RX
TX
PWR_IND

GND
NC
CONN_IND
DOUT_IND
RESET
GND
VBAT



1、This module is a high-performance, low-cost IoT Bluetooth transceiver designed based on Bluetooth 5.0 chip. This module adopts a stamp shaped interface and an onboard PCB antenna design. This module has the characteristics of low power consumption, small size, and strong anti-interference ability.

2、This module requires an external antenna, which can be paired with BW2.4FND35-10B1L110 FPC or BW2.4GJWX156-13KK/BWSMAJ-IPEX1.13L2000 antenna. The control distance on the generator field machine can meet 50 meters, and users can directly connect to the MCU according to the pin definition. The antenna interface of this module is IPXE1.0

3、Key Features

Parameter	Description
Wireless Standard	BLE 5.0
Receiver Sensitivity	-95dBm @ 1M
Module Dimension	12.9mm × 19.0mm × Max 3.25mm (L×W×H)
Operating Voltage	1.7V~3.6V, typical value 3.3V
Transmit Current	8.2mA @ 4dBm, VDD=3.3V, MCU active, DCDC mode
Receive Current	5.6mA @ VDD=3.3V, MCU active, DCDC mode
Sleep Current	0.3μA @ System OFF
Operating Temperature	-40 ~ +85℃
Storage Temperature	-40 ~ +125℃
Operating Frequency Band	2400~2483.5MHz (2.4 GHz ISM Band)
UART Serial Port	Used for command transmission and data transmission, default baud rate: 9600bps

4, This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.

--Connect the device 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

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 device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device

RF warning for portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes : (1) Cet appareil ne doit pas causer d'interférences. (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil

Please notice that if the FCC identification number and ISED number are not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC ID: 2BBZS-B113015BL" and "Contains IC: 35341-B113015BL" any similar wording that expresses the same meaning may be used.

The module is limited to OEM installation ONLY. The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install module.

This radio transmitter [IC: 35314-B113015BL] has been approved by Innovation, Science and Economic Development Canada 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.

Dipole antenna with 4.13dBi (for 2.4GHz) and FPC antenna with 3.97dBi (for 2.4GHz)

Prepared by		Specification document	Product Code: B113A-015-BLUE
Proofreader			Mode:
Reviewer			pattern marking: B
Bid reviewer			weight:
Approver			proportion:
			Total 1 page / Page 1
			JANXIN
			Document No.: B113A-015-BLUE-PD-A/0