

# BT Module User Manual

(Model: BLEAD-MOD33QDNA)

FCC ID : 2BBG3BLEADMOD33



## Notice:

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Contact in the US ;

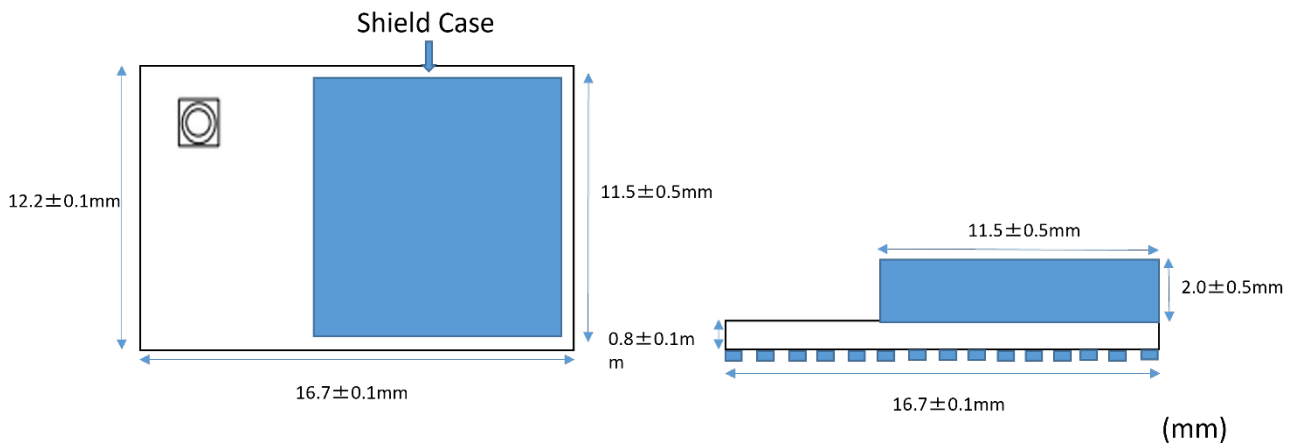
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## Product Overview

### Size



### Features

- UART interface
- Class 1 Bluetooth power level supported.
- High-sensitivity Bluetooth receiver
- Miniature Terminal Mount Monopole

Bluetooth Version	Bluetooth 4.1
Bluetooth Technology	Bluetooth Low Energy
Data Rate	1Mbps/2Mbps
Operation Frequencies	2.402 – 2.480GHz

## Federal Communication Commission Interface Statement

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

## Radiation Exposure Statement:

This equipment complies with radio frequency exposure limits set forth by the FCC and Industry Canada for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

**This module is intended for OEM integrators only. Per FCC KDB 996369 D03 OEM Manual v01 guidance, the following conditions must be strictly followed when using this certified module:**

## KDB 996369 D03 OEM Manual v01 rule sections:

### 2.2 List of applicable FCC rules

This module has been tested for compliance to FCC Part 15C

### 2.3 Summarize the specific operational use conditions

The module is tested for standalone mobile RF exposure use condition. Any other usage conditions such as co-location with other transmitter(s) or being used in a portable condition will need a separate reassessment through a class II permissive change application or new certification.

### 2.4 Limited module procedures

Not applicable.

### 2.6 RF exposure considerations

This equipment complies with FCC mobile radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. If the module is installed in a portable host, a separate SAR evaluation is required to confirm compliance with relevant FCC portable RF exposure rules.

### 2.7 Antennas

The following antennas have been certified for use with this module; antennas of the same type with equal or lower gain may also be used with this module. The antenna must be installed such that 20cm can be maintained between the antenna and users.

Antenna Type	Miniature Terminal Mount Monopole
Antenna Connector	RP-SMA(M)
Antenna Gain Max	2.24dBi

### 2.8 Label and compliance information

The final end product must be labeled in a visible area with the following: "Contains FCC ID: 2BBG3BLEADMOD33". The grantee's FCC ID can be used only when all FCC compliance requirements are met.

#### 2.9 Information on test modes and additional testing requirements

This transmitter is tested in a standalone mobile RF exposure condition and any co-located or simultaneous transmission with other transmitter(s) or portable use will require a separate class II permissive change re-evaluation or new certification.

#### 2.10 Additional testing, Part 15 Subpart B disclaimer

This transmitter module is tested as a subsystem and its certification does not cover the FCC Part 15 Subpart B (unintentional radiator) rule requirement applicable to the final host. The final host will still need to be reassessed for compliance to this portion of rule requirements if applicable.

As long as all conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

**IMPORTANT NOTE:** in the event that these conditions can not be met (for example co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

#### **Manual Information To the End User**

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module. The end user manual shall include all required regulatory information/warning as shown in this manual.

#### **OEM/Host manufacture responsibilities**

OEM/Host manufactures are ultimately responsible for the compliance of the Host and Module. The final product must be reassessed against all requirements of the FCC rule such as FCC Part 15 Subpart B before it can be placed on the US market. This includes reassessing the transmitter module for compliance with the Radio and EMF essential requirements of the FCC rules. This module must not be incorporated into any other device or system without retesting for compliance as multi-radio and combined equipment.