



LBEE1DARRC-519 WLAN + Bluetooth Module Integrator Guide

Scope

This document is intended to complement Murata document LBEE1DARRC-519(TPN 95807).pdf ("W-LAN+Bluetooth Combo Module Product Specification), and provide additional information to manufacturers wanting to integrate this module. This document also contains information pertaining FCC and Industry Canada regulatory requirements.

Use of Modular Certification

The Murata LBEE1DARRC-519 is certified under the Limited Modular Approval rules of FCC and Industry Canada. The Certification owner or Grantee is Trimble Navigation Ltd. Those integrating this module must comply with the following rules and guidelines:

- Use the module as indicated in the Grants of Certification (FCC ID: JUP-95807WFBT, IC: 1756A-95807WFBT).
- Use the module only with approved antennas (refer to FCC and IC test reports attached to the certifications for a list of the approved antennas).
- Comply with the RF limits of Human Exposure (see pertinent section in this document) when using this module.
- Provide the proper shielding for the module in order to guarantee emissions performance at the host level.
- The module must not be co-located with any other transmitter device unless specifically authorized by the FCC and IC.
- Those integrating the module, must properly label the outside of the host product with the module's identification numbers as follows:

CONTAINS FCC ID: JUP-95807WFBT CONTAINS IC: 1756A-95807WFBT

RF Exposure

The LBEE1DARRC-519 is certified under Part 15, FCC ID: JUP-95807WFBT, and RSS-210, IC: 1756A-95807WFBT. Based on these certifications, the LBEE1DARRC-519 complies with the RF levels of Human Exposure for mobile and fixed applications. The LBEE1DARRC-519 has not been tested as part of these certifications for portable, handheld or body-worn applications.

In order to comply with RF levels of Human Exposure for mobile applications, keep a minimum distance of 20 cm. between the human body and any antenna or radiating elements.

Module Integration

Refer to Murata document LBEE1DARRC-519(TPN 95807).pdf ("W-LAN+Bluetooth Combo Module Product Specification) for detailed specifications of the module and a thorough guide of the electrical requirements for integration.

Trimble Navigation Ltd.
935 Stewart Dr., Sunnyvale, CA 94085
(408) 481-8000



Use of Unlicensed Transmitter

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme à Industrie Canada une licence standard RSS exonérés (s). Son fonctionnement est soumis aux deux conditions suivantes:(1). Cet appareil ne doit pas provoquer d'interférences (2). Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant provoquer un fonctionnement indésirable de l'appareil.

This radio transmitter (Model: LBEE1DARRC-519, FCC ID: JUP-95807WFBT IC: 1756A-95807WFBT) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.*

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.

NOTE: 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 and correct the interference by one or more of the following measures:

- Reorient or locate 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.*

Modifications made to the product, unless expressly approved by Responsible Party Name, could void the user's authority to operate the equipment".

** Refer to filed FCC and IC test reports for a list of approved antennas.*



Contact

If you have any questions or concerns about the regulatory compliance of the LBEE1DARRC-519, please contact:

Gerardo Torres
Regulatory Compliance Manager
Trimble Navigation Ltd.
(408) 481-8000
Gerardo_torres@trimble.com

Note: For certain LBEE1DARRC-519 proprietary documentation you may have to contact Murata directly.