

User's manual

Product: Wireless LAN Module

Model: LBWB1ZZWU6

FCC ID: BBP-WLALT01

IC: 144D-WLALT01

For OEM integration only – device cannot be sold to general public.

Therefore we will not supply the User's manual, the installation manual is the official for OEM.

(Note)

This module was granted as FCC/IC Limited Modular Approval. Additional host systems must be required reassessment of Dynamic Frequency Selection and host systems must provide regulated supply voltages to the module. Separate evaluation must be required for any portable configuration. When used in mobile applications, the antennas shown in this filing must be installed to provide a separation distance of at least 20 cm from all persons. OEM integrators and end-users must be provided with specific information required to satisfy RF exposure compliance for the final host device. OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device. The antenna of this device must not be co-located or used in conjunction with any other antenna or transmitter. OEM integrators must be provided with antenna installation instructions. Only those antennas tested with the device or similar antennas with equal or lesser gain may be used with this transmitter.

This device complies with the Dynamic Frequency Selection (DFS) requirements of Report and Order FCC 03-287 as a Client only without Radar Detection.

We will ask OEM to include the following Notices required by FCC/ IC on the product and in the User's manual.

■Requirement of Labeling

(For FCC)

Please describe the following item on the host device of the this module:

Contains Transmitter Module FCC ID: BBP-WLALT01

or

Contains FCC ID: BBP-WLALT01

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.

(For IC)

Please describe the following item on the host device of the this module:

Contains Transmitter Module IC: 144D-WLALT01

or

Contains IC: 144D-WLALT01

■Requirement of User's Manual Statement

(For FCC)

User's manual shall contain following sentence

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

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 should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

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

(For IC)

Indicate the following information.

This device complies with Industry Canada licence-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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

* It can be also indicated on the equipment in place of the manual

- For the transmitter which can replace the antenna by end user

Indicate the following information.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that

the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

* It is unnecessary if the application document shows end user cannot replace and modify the antenna.

Indicate the following information.

This radio transmitter (*identify the device by certification number, or model number if Category II*) 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.

Original application

Antenna type: Chip dielectric antenna

Gain: 2.4GHz: -0.5 dBi, W52/53: -0.3dBi, W56: -1.2dBi, W58: -1.7dBi

Class II Permissive Change

Antenna type: Printed PCB Antenna

Gain: 2.4GHz: -1.1 dBi, W52/53: 2.3dBi, W56: 4.5dBi, W58: 2.7dBi

Le présent émetteur radio (*identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I*) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Original application

Antenna type: Chip dielectric antenna

Gain: 2.4GHz: -0.5dBi, W52/53: -0.3dBi, W56: -1.2dBi, W58: -1.7dBi

Class II Permissive Change

Antenna type: Printed PCB Antenna

Gain: 2.4GHz: -1.1dBi, W52/53: 2.3dBi, W56: 4.5dBi, W58: 2.7dBi

* It is necessary if the equipment has a lot of antennas and end user can select the antenna.

*The manufacturer shall provide a list of all antenna types approved for use with the transmitter, indicating the maximum permissible antenna gain (in dBi) and required impedance for each.

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

La bande 5.15-5.35 GHz est restreints à une utilisation à l'intérieur.

High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Les utilisateurs devraient aussi être avisés que les radars de haute puissance sont désignés comme utilisateurs principaux (ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz, et que ces radars peuvent provoquer du brouillage et/ou des dommages aux dispositifs LAN-EL.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).