

User Manual

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).

The following information must be indicated on the host device of this module;

[for FCC]

Contains FCC ID: 2AU3BU9W34

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 device due to the size, please describe in the user's manual and also either describe on the device packaging or on a removable label attached on the device.

[for ISED(IC)]

Contains IC: 25625-U9W34

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

[for FCC]

FCC CAUTION

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

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines.

To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

[for ISED(IC)]

This device contains licence-exempt transmitters/receivers that comply with Innovation, Science and Economic Development Canada's license-exempt RSS standards. 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.

L' émetteur/récepteur exempt de licence contenu dans le present appareil est conforme aux CNR d'Innovation, Science et Développement économique 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;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

for indoor use only (5150-5250MHz)

Pour usage intérieur seulement (5150-5250MHz)

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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 radiateur et le corps humain (à l'exception des extrémités : mains, poignets, pieds et chevilles).

[for FCC]

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.

[for ISED(IC)]

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La transmission des données est toujours initiée par le logiciel, puis les données sont transmises par l'intermédiaire du MAC, par la bande de base numérique et analogique et, enfin, à la puce RF. Plusieurs paquets spéciaux sont initiés par le MAC. Ce sont les seuls moyens pour qu'une partie de la bande de base numérique active l'émetteur RF, puis désactive celui-ci à la fin du paquet. En conséquence, l'émetteur reste uniquement activé lors de la transmission d'un des paquets susmentionnés. En d'autres termes, ce dispositif interrompt automatiquement toute transmission en cas d'absence d'information à transmettre ou de défaillance.

[§ 15.105 Information to the user]

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual.

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 to correct the interference by one or more of the following measures:

- Reorient or relocate 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.

Complies with the Canadian ICES-003 Class B specifications.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Compliance with KDB996369 D03 OEM Manual

1. List of applicable FCC rules

WiFi 2412-2462MHz FCC Part 15.247 Max output power 15.92dBm

WiFi 5180-5240MHz; 5745-5825MHz FCC Part 15.407 Max output power 13.65dBm

2. Summarize the specific operational use conditions

When use this modular transmitter, please do not change the antenna and antenna gain, the power setting and country code can not be changed.

The Antenna type is monopole antenna and 2T2R

2400-2483.5MHz Peak Gain: ANT A: 2.55dBi; ANT B: 0.94dBi;

U-NII-1 Band (5150-5250MHz) Peak Gain: ANT A: 1.90dBi; ANT B: 0.8dBi;

U-NII-3 Band (5725-5850MHz) Peak Gain: ANT A: -0.04dBi; ANT B: -3.17dBi.

3. Limited module procedure

Not applicable

4. Trace Antenna designs

Not applicable

5. RF exposure considerations

This modular transmitter should be used in the mobile conditions and 20cm from a person's body, the host product manufacture should be put those information in the end-product manual to the end users. If RF exposure statement and use conditions are not provided, then the host product manufacture is required to take responsibility of the module through a change in FCC ID(new application)

6. Antenna

The Antenna type is Planar antenna and 2T2R.

2400-2483.5MHz Peak Gain: ANT A: 2.55dBi; ANT B: 0.94dBi;

U-NII-1 Band (5150-5250MHz) Peak Gain: ANT A: 1.90dBi; ANT B: 0.8dBi;

U-NII-3 Band (5725-5850MHz) Peak Gain: ANT A: -0.04dBi; ANT B: -3.17dBi.

7. Label and compliance information

We Had put the FCCID: 2AU3BU9W34 on the modular transmitter and put the compliance information in this modular use manual, the host device manufacture need to provide a physical or e-label stating“ contains FCCID: 2AU3BU9W34” with their finished product and the compliance information should be attached in the end-product manual.

8. Information on test modes and additional testing requirement

When this modular transmitter installed in a host product, then can use a 4 pin-USB extend cable, the 4 pin port connect with the modular and USB port connect with a test computer which installed the test software “MP tool” then can use the software control the modular working at test mode, select the transmit mode, channel and power setting.

9. Additional testing, Part 15 Subpart B disclaimer

The modular transmitter is only FCC authorized for the specific rule parts (FCC Part 15C and FCC Part 15E) listed on the grant, and that the host product manufacture is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certificates