User Manual

This is a user manual for host product manufacturers to use when integrating the module in a host product. This is Lmited modular approval as this module is limited to installation by the grantee into our host systems.

Specification

Standard: IEEE 802.11b/g

Frequency Band:2400-2483MHz

Supported Channel：1-11ch

Frequency of Operation:2412 – 2462MHz (1ch – 11ch)

Antenna Gain:1.65dBi

Operating Temperature: 5-40℃(41-104℉)

Operating Voltage:7.4V(external Battery)/RF circuit block:3.3V

FCC/ISED Notice

[for FCC]

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.

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 must be installed and operated keeping the radiator at least 20cm or more away from person's body.

[for ISED]

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences 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.

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. This equipment must be installed and operated keeping the radiator at least 20cm or more away from person’s body.

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’ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

Integratoin Instruction

Follow the procedures below to install this module into the host device.

- Take measures to prevent static electricity.
- Turn off the power to the host device when installing the module.
- Secure the module firmly using the fixing screws.
- Mount the module so that it does not interfere with other parts of the host device.
- After installation in the host device is complete, check that the module is properly recognized and that communication is normal.

2.1 General - applicable

This user manual describes the integration procedure per Sec. 2.2 to 2.12 of KDB 996369 D03. This is Lmited modular approval as this module is limited to installation by the grantee into our host systems.

2.2 List of applicable FCC rules - applicable

This device complies with below part 15 of the FCC Rules.

Part 15 Subpart C

2.3 Summarize the specific operational use condition

This module designed for mounting inside of the end product by us professionally.

Therefore, it complies with the antenna and transmission system requirements of §15.203.

2.4 Limited Modular procedures - applicable

This module is certified as limited modular intended only for installation in the target host product. Therefore, it is necessary to supply 7.4V from the built-in lithium-ion battery installed in the host device.

2.5 Trace antenna designs - Not applicable

2.6 RF Exposure considerations - applicable

[for FCC]

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 must be installed and operated keeping the radiator at least 20cm or more away from person's body.**

[for ISED]

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. This equipment must be installed and operated keeping the radiator at least 20cm or more away from person's body.
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'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

2.7 Antennas

The device is designed to use the antennas listed below. Do not modify the antenna or any other part of the module. Any modifications will invalidate the modular certifications and require new approvals for the host system.

Model No.	Antenna Type	Antenna Gain
-	Inverted-L	1.65 dBi

2.8 Label and compliance information - applicable

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

[for FCC]

Contains Transmitter Module FCC ID: AZD323

or

Contains FCC ID: AZD323

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 ISED(IC)]

Contains IC: 498J-323

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

2.9 Information on test mode and additional testing requirements - applicable
Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host product.

2.10 Additional testing, Part 15 Subpart B disclaimer - applicable
The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant (FCC Part 15.247), and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.

2.11 Note EMI Considerations - applicable

We recommend to use "best practice" RF design engineering testing and evaluation in case non-linear interactions generate additional non-compliant limits due to module placement to host components or properties.

The host manufacturer is responsible for ensuring compliance with the applicable FCC rules for the transmitters operating individually and simultaneously. This includes compliance for the summation of all emissions from all outputs occupying the same or overlapping frequency ranges, as defined by the applicable rules.

2.12 How to make changes - applicable

Only the grantee is permitted to make permissive changes. Please contact us at below.

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