

MIC-B WIFI Module User Manual Rev. 0.1

Reviewers

Department	Name	Review Dates	
		Plan	Results
Director of Engineering	LianXi	2010.12.09	OK
Hardware Engineering	FeiShan	2010.12.09	OK

Table of Contents

1. INTRODUCTION	4
2. REGULATORY INFORMATION	5

1. Introduction

The MIC-B 802.11a /n module provides wireless modem functionality utilizing OFDM technology. The objective of this use manual is to verify the functionality of the MIC-B 802.11a/n module RF/Digital electronic design against the design specifications.

This revision includes results taken at various temperatures (0°C, 25°C, 65 °C) and voltages (3.0V, 3.3V, 3.6V). Included are statements of test purpose, test methodologies, test modes and parameters, environmental conditions, applicable specifications, and typical reference design performance.

The major specifications and documents are listed below and upon to update in the following new revisions.

- IEEE 802.11a/n

2. Regulatory Information

USA-Federal Communications Commission (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.

Caution

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

Labeling

Hon Hai Precision WiFi 11a/n module MIC-B labeled as below.

FCC ID: MCLMICB

The proposed with FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID: MCLMICB" shall be placed on the outside of final host system.

Caution: Exposure to Radio Frequency Radiation.

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: 5150 – 5250 MHz Device only

This device is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range.

Canada-Industry Canada (IC)

This device complies with RSS 210 of Industry Canada.

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 this device.

L' utilisation de ce dispositif est autorisée seulement aux conditions suivantes :

- (1) il ne doit pas produire de brouillage et
- (2) l' utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropic radiated power (EIRP) is not more than that required for successful communication.

Caution: 5150 – 5250 MHz Device only

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Caution: Exposure to Radio Frequency Radiation.

To comply with RSS-102 RF exposure compliance requirements, for mobile configurations, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Labeling

Hon Hai Precision WiFi 11a/n module MIC-B labeled as below.

IC: 2878D-MICB

The proposed with IC ID label format is to be placed on the module. If IC ID is not visible when the module is installed into the system, "Contains IC: 2878D-MICB" shall be placed on the outside of final host system.