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Client: IWT
Model #: SBB0100-010-R4G
Standards: FCC 15.247/RSS-210
FCC ID: SP8-SBB0100-010-1
Report #: 2012045

Appendix M: User Manual

Please refer to the following pages.



User Guide: mProm Module

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Document # 7720-12-0547 Rev A

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FCC Statement

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment. 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.

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.

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.

1. mProm Summary

The mProm™ mesh radio SBB0100-010-R4G is a battery-powered transceiver designed specifically for use in a mesh network, particularly low power sensors. In normal operation these radios are autonomous and scattered throughout a locality and serve as the communications backbone infrastructure for deployed assets. The radios operate with no direct physical user interface after power-on.

2. mProm Control

IWT maintains complete control over the mProm module and any and all end products into which it is installed.

3. Safety Precautions

This section contains details on the safety precautions of the mProm module.

Warning: Only trained personnel should be allowed to install, replace, or service this equipment.

Warning: Do not locate the antenna or cables where they may accidentally contact overhead electrical wires.

Warning: Do not work on the device or connect or disconnect cables during periods of lightning activity.

IMPORTANT NOTE: The antenna must be installed 20 cm or more from any personnel in order to comply with FCC RF exposure requirements. When using a 9 dBi gain 900 MHz antenna, this distance should be increased to 40 cm in order to assure compliance with RF exposure requirements applicable to the general public. Brief exposure at 20 cm or greater is within occupational exposure limits.

4. Revision History

Revision	Date	Changes	Author
A	12/4/12	Release	J. Colling
B	12/13/12	Revision to include Safety Precautions	J. Colling