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Work Instruction: Design Notes and Install Guide: Utilizing the RF3 Module Model: 200524-01

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Revision: C

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9 Aug 09		Added Regulatory information, Section 7, Edited document title. David Waitt	B
24 aug 09		Added section 5.2.3 and dimension drawing to section 7.0 per TCB request - David Waitt	C

Title: Design Notes: Utilizing 200077-01 RF3 Boards in future designs

1. Objective

- 1.1 The objective of this procedure is to identify any special notes that have to do with the integration of the Assembly RF3 Board (200077-01) into future designs.
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2. References

NONE

3. Definitions

RF3 Board: is a communications module, currently used in Models MT150M and MT200

FCC: Federal Communication Commission

IC: Industry of Canada

4. Responsibilities

VP of Engineering: is responsible for making sure the instructions are adhered to. Any deviation from the instructions below require retesting and certification of the RF3 Module.

5. Instruction

- 5.1 RF3 board has been certified as a module, allowing for the module to be used in multiple designs. Currently those designs are the IntelliDOT CAREt MT150M and MT200.
- 5.2 Including the RF3 Module in future CAREt designs must:
 - 5.2.1 NOT alter the module design in any way, including but not limited to the frequency of operation, the power output requirements or the on-board antenna configuration.
 - 5.2.2 KEEP labeling in manuals, CAREt and module labels that meet the requirements associated with the certification and registration with the FCC and IC. This includes but is not limited to safety warnings, registration notes and identification.
 - 5.2.3 Only incorporate the module in designs that employ only minor construction differences from the CAREt M150 and M200 models.

6. Distribution

All parties working on the electrical design of the RF3 board or the inclusion of the RF3 board in any hand held design shall be provided a copy of this document.

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Regulatory Requirements 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.

7. Regulatory Requirements

This device has been certified with a "Limited Modular Approval" Wit this certification the device can be integrated into different hosts providing that the conditions and requirements below are met.

User Manual Requirements

The user manual for the host device must include the following statement required by FCC Part 15.105

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.

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

The user manual shall NOT contain any instructions on how to remove the device from the host.

Labeling Requirements

The external surface of the host must be labeled with the following information:

"Contains FCC ID R9M-IDOT-002 IC: 7701A-IDOT002"

Additionally the external label should contain the following statement, unless the device is too small to incorporate the wording. In that case the text must appear in the user manual with the text above

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.

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RF Exposure Requirements

The user manual for the host device must instruct the user that any body worn accessories used with the device may not contain any metal in close proximity to the host device.

The host device must maintain the internal separation distances outlined below between the internal antenna and the closest external surface of the device. The host device shall not contain any metallic components in close proximity to the antenna of the module.

