Appendix D: FCC Part 15 Unlicensed Modular Transmitter Equipment Approval

Please refer to the following page.

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Federal Communications Commission

To Whom It May Concern:

Please be advised that Innovative Wireless Technologies (IWT), Inc. is requesting Part 15.247, 902-928 MHz Unlicensed Frequency Hopping approval for its mProm Radio Module, IWT P/N: SBB0100010R4G to have FCC ID: SP8-SBB0100-010-1. The below statements outline Innovative Wireless Technologies' responses to part 15.247 concerning Frequency Hopping compliance.

1. The mProm Radio Module is designed specifically for and marketed for radio communications applications in security sensor applications. The elements of the radio frequency circuitry are shielded and reside on the module assembly.

2. The mProm Radio Module has buffered modulation/data inputs, hops over 50 channels and is limited to 1 watt output power to comply with Part 15 requirements.

3. The mProm Radio Module has its own power supply regulation on the module.

4. The mProm Radio Module uses a simple Dipole Antenna, directional yagi antennas, and configurable output power that comply with FCC EIRP limits.

5. The mProm Radio Module has been tested standalone by Rheintech Test Labs for Part 15 emissions compliance. The EUT was tested as a battery powered intentional radiator complying with §15.247.

6. The mProm Radio Module will have the FCC ID label with ID number and warnings located on the module and/or the external of any mechanical housing.

7. The mProm Radio Module user manual outlines the proper usage of the EUT and will be submitted with the application for equipment authorization.

8. The mProm Radio Module will comply with RF exposure requirements, and will not be operated in a manner, as described by Table 1 of §1.1307(b)(1), that would expose the public to energy levels in excess of the Commission's guidelines.

9. IWT will retain control over the final installation of the mProm Radio Module device in end products. The end products are exclusively designed and manufactured by IWT. Assembly of each end product is defined in IWT's process documentation. As part of the documentation of each end product, there is a statement indicating that the mProm Radio Module device is only approved for use when installed in the device it is shipped in. Therefore, full limited module compliance is always ensured in the end product.