

Rhein Tech Laboratories, Inc.
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Client: IWT
Model #: FAP4100-010
Standards: FCC 15.247/RSS-210
FCC ID: SP8-FAP4100-010
Report #: 2012044

Appendix B: Part 15.247 Unlicensed Digital Modulation Letter

Please refer to the following page.



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Innovative Wireless Technologies

January 27, 2012

Federal Communications Commission

To Whom It May Concern:

Please be advised that Innovative Wireless Technologies, Inc. is requesting Part 15.247, 902-928 MHz Unlicensed Frequency Hopping approval for its Coyote Unattended Ground Sensor, IWT P/N: FAP4100-010 to have FCC ID: SP8-FAP4100-010. The below statements outline Innovative Wireless Technologies' responses to part 15.247 concerning Frequency Hopping compliance.

1. The Coyote UGS is designed specifically for and marketed for unattended ground sensor applications.
2. The Coyote UGS uses a simple Dipole Antenna that complies with FCC EIRP limits and has less than 3dBi of gain.
3. The Coyote UGS hops over 50 channels and is limited to 1 watt output power.
4. The Coyote UGS has been tested by Rheintech Test Labs for Part 15 emissions compliance. The EUT was tested as a battery powered intentional radiator complying with §15.247.
5. The Coyote UGS will have the FCC ID label with ID number and warnings located on the bottom of the housing.
6. The Coyote UGS user manual outlines the proper usage of the EUT and will be submitted with the application for equipment authorization.
7. The Coyote UGS 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.

Innovative Wireless Technologies, Inc. certifies that the above statements are true to the best of our knowledge. Thank you for your attention to this matter.

Sincerely,

Gary Raulerson
NPI Manager
Innovative Wireless Technologies, Inc.