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Client: IWT
Model #: FAP5015-050
Standards: FCC 15.247/RSS-210
FCC ID: SP8-FAP5015-050
Report #: 2011183

Appendix B: Part 15.247 Unlicensed Digital Modulation Letter

Please refer to the following page.



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Innovative Wireless Technologies

October 01, 2011

Federal Communications Commission

To Whom It May Concern:

Please be advised that Innovative Wireless Technologies, Inc. is requesting Part 15.247 Unlicensed Digital Modulation approval for its Sentinel Beacon, IWT P/N: FAP5015-050 to have FCC ID: SP8-FAP5015-050. The below statements outline Innovative Wireless Technologies' responses to part 15.247 concerning Digital Modulation compliance.

1. The Sentinel Beacon is designed specifically for and marketed for mine safety applications.
2. The Sentinel Beacon uses an Edge Slot Antenna that complies with FCC EIRP limits and has less than 3dBi of gain.
3. The Sentinel Beacon is limited to 10dBm output power.
4. The Sentinel Beacon 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 Sentinel Beacon will have the FCC ID label with ID number and warnings located on the bottom of the Sentinel Beacon.
6. The user manual for the Sentinel Beacon outlines the proper usage of the EUT and will be submitted with the application for equipment authorization.
7. The Sentinel Beacon 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.