August 17, 2005

Federal Communications Commission
P.O. Box 429
Columbia, MD 21045

Gentlemen:

The Wireless Detection Models PWS-002, SR-002, and SM-002 were designed such that:

1. The systems receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitter signals.

And

2. The frequency hopping spread spectrum systems do not employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, is designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, the system employing short transmission bursts complies with the definition of a frequency hopping system and distributes its transmissions over the minimum number of hoping channels specified in section 15.247.

   The incorporation of intelligence within the frequency hopping spread spectrum system permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels.

Sincerely,

18 AUG 2005

Mike Smith
DME Dezigns
For Wireless Detection