

### **916.5 Mhz Transmitter Operation Description**

The 2 coin cell powered transmitter is an intentional radiator using OOK modulation operating at 916.5 Mhz. It is based on the HX2000 Hybrid transmitter from RF Monolithics. The part has a typical output power of 0 dBm. The transmitter assembly contains a small modified monopole antenna with a typical loss of 6 to 10 dB. This translates to approximately less than 50 mV / Meter at 3 meters. The transmitter does not operate continuously. When sensing a disturbance, it will transmit for 7 to 10 seconds before shutting OFF. If a disturbance continues, it will remain OFF until the disturbance is removed for at least 30 seconds.