

### **3.4 OPERATING MODES**

The Electronic Monitoring Systems (EMS) Inc. 's UHF Transmitter, Model: Watch Patrol RF operated continuously during all tests.

The product was configured by EMS internally so it would continuously transmit as opposed to the periodic transmissions. This was done to speed the measurement time of the fundamental and all detectable harmonics as recorded in this report.

Absolute emission level measurements were made with various orientations of the unit relative to the receiving antenna. Prior to actual OATS testing, a near-field RF probe was used to exhaustively survey the EUT for their internal Local Oscillator and clock frequencies.

All final data was taken with the EUT in the above mode of operation. The position of the peripherals (if required in the test set up) and interconnect cables (if required in the test set up) were varied to provide generally the highest emissions prior to the final tests.

Absolute emission level measurements were made in an automatic orientation fashion such that the EUT was uniquely positioned for each of the significant emissions detected in the prescan evaluation. Those data are hereby recorded.

