Electronic Countermeasure Receiver ECR-3
With Smartscan software.

➢ The most effective equipment to detect hidden radio frequency bugs. Frequency range from 1 MHz to 3 GHz (carrier current transmitters from 10kHz -5MHz)

➢ Is the first and only countermeasure–surveillance receiver to successfully combine computer control and real time analysis with accuracy and sensitivity of a laboratory standard RF Spectrum Analyzer.

➢ Out performs the competition, offering five times the detection range, ease of use, time saving efficiencies, data storage and retrieval, reporting capabilities and backing of a company with over 25 years experience in electronic eavesdropping detection products.

➢ Frees the operator to do other sweeps tasks while the system is running.

➢ Software program controls the sweeps, automatically stores the data for quick retrieval and cross –correlation.

➢ Reporting capabilities allow generation of easy to understand documentation of sweep findings.

➢ Unique detection algorithms calculate the ambient RF noise level on each tuning step to ensure that only actual signals are detected.

➢ Analyzes completed scans for sophisticated digital spread spectrum transmitters that other receivers will miss.

➢ Here’s what the ECR-3 SmartScan™ can do:
Tune through the radio spectrum and log all signals by frequency and strength

Mode 1: Signal Acquisition & Evaluation

Tune automatically to each signal and demodulate it so you can tell what is being transmitted. Choose demodulation techniques and IF bandwidths.

Mode 2: Differential Detection

Make another RF sweep from a different location, logging all signals. The system will now display only signals that are stronger than on the first sweep and signals that are new (ones that weren’t transmitting when the first sweep was made).

Mode 3: AutoDetect

AutoDetect mode tunes through the radio spectrum and automatically demodulates every signal. The computer listens for particular sounds that are in the area being swept. When it detects the sound, it logs the frequency for the operator to review at the end of the sweep.

- Continuous monitoring of the RF spectrum during sensitive meetings is a piece of cake.
- Also detects spread spectrum transmitters which other equipment may not detect.

**SmartScan has the following special features:**

- Detection range up to 3 Giga Hertz with range extender.
- Wideband and Narrowband FM demodulation.
- AM demodulation with Slope detection capability.
- Carrier current interface for detecting transmitters on AC power lines.
- Detects transmitters used in telephone lines.