Spectrum Guard **Pro**

Multiple Receivers in One Unit

Remote Persistent Monitoring

Wireless Detection & Analysis

The **CTL|SystemWare** **Spectrum Guard Pro** combines hardware and software into a portable Radio Frequency (RF) detection and monitoring system that is small, lightweight, and easy to use. The software application interface is accessible by users with minimal RF knowledge, but also provides all the tools an experienced operator needs to accomplish the mission. The Spectrum Guard Pro is intended to be used by security professionals for RF signals collection and analysis in support of static or mobile operations. It is ideal for use to evaluate Wi-Fi and cellular spectrum for unauthorized transmissions.

For more information, contact:

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CTL|SystemWare A *Technical Security* Company

CTL|SystemWare

Learn more about our capabilities:
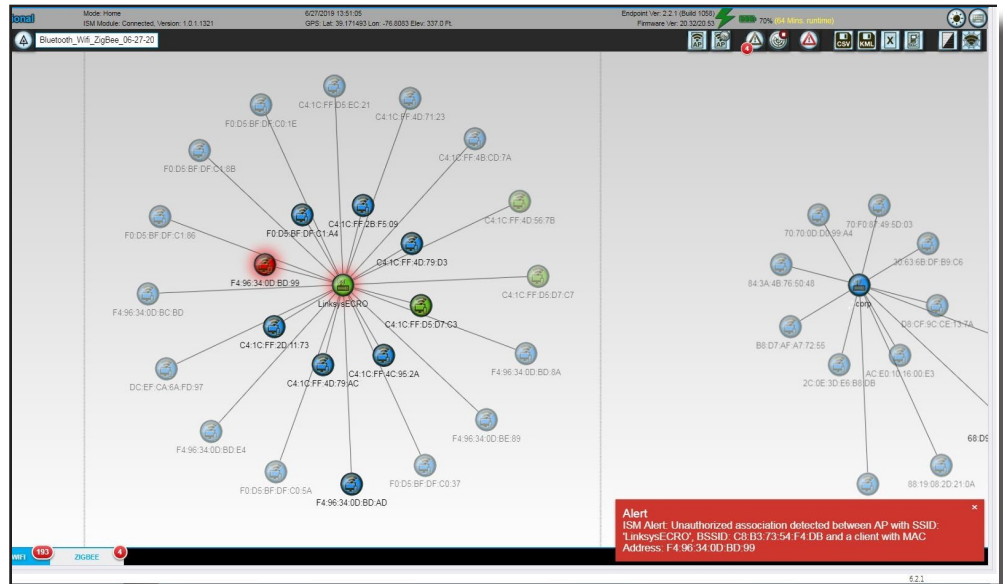**www.ctl-systemware.com**

Spectrum Guard Pro's intuitive software design meets a range of customer missions:

- Spectrum Management
- Wi-Fi detection and signal verification
- RF test and measurement
- Security Services
- Federal Communications Commission (FCC) compliance testing
- Executive travel support

Features

- 1 kHz-26.5 GHz
- Wireless or Ethernet control
- Portable and Lightweight
- User-Definable Sweep Parameters
- Discrete Frequency Scans with Individual Channel Settings
- Automated and Remote Functions Allow the System to Run Unattended
- Port Switch Capable
- Zoom Displays for Better Analysis and Signal Measurements
- Dynamically Adjustable Threshold Sensitivity
- Signals of Interest Displayed via User-Defined Limits
- Signals are Presented in Multiple, Easy to Read Formats

Wireless Collection and Analysis

- 802.11 Protocol Detection (a,b,g,n and ac)
- 802.11 MAC Address Display
- SSID Detection
- Signal Strength
- Hardware Manufacturer
- Packet Identification and Analysis
- .PCAP Capture and Streaming

- Bluetooth Protocol Detection and MAC Address Display
- Zigbee Protocol Detection (700, 800, 900 MHz and 2.4 GHz) and NODE Address Display
- European Zigbee Protocol Detection (868/915 MHz)
- MAC/NODE Address Registration
- Authorized vs. Unauthorized Lists

Software Functions and Capabilities

- Sweep the RF Spectrum with User-Defined Frequency Parameters
- Maximum Sweep up to 240 GHz/sec
- IF Record
- Signal Fingerprint
- Frequency (Channel) Scan
- Multiple Visual Representations of the RF Spectrum
- 2D Display, Waterfall Display, and Display Zooming Feature

- Signal of Interest Frequency List
- Real-Time Signal Analysis
- One-Button or Automatic AudioRecording
- Classification of Common Digital and Analog Signals
- Video Recreation (NTSC/PAL)
- Post-Collection Data Analysis Tools
- Consolidated Exceedance List
- Colored Raster

Turnkey **Products**

Comprehensive **Training**

Customized **Services**

CTL|SystemWare provides world class technical security solutions for the protection of government, corporate and private interests. Our services and solutions are uniquely designed to help our clients improve communications, protect intellectual property, secure the integrity of information systems and networks, and increase efficiency and mission effectiveness. CTL|SystemWare provides individualized risk mitigation solutions for modern technical problems.