

Turnkey **Products**

Comprehensive **Training**

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Spectrum Guard

Multiple Receivers in One Unit

Remote Persistent Monitoring

Wireless Detection & Analysis



The CTL-SystemWare Spectrum Guard 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 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.

CTL-SystemWare A **Technical Security** Company

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For more information, contact:

CTL-SystemWare Sales
(410) 579-1300
swi-sales@sysware.com

7063 Columbia Gateway Drive
Suite 110
Columbia, MD 21046



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

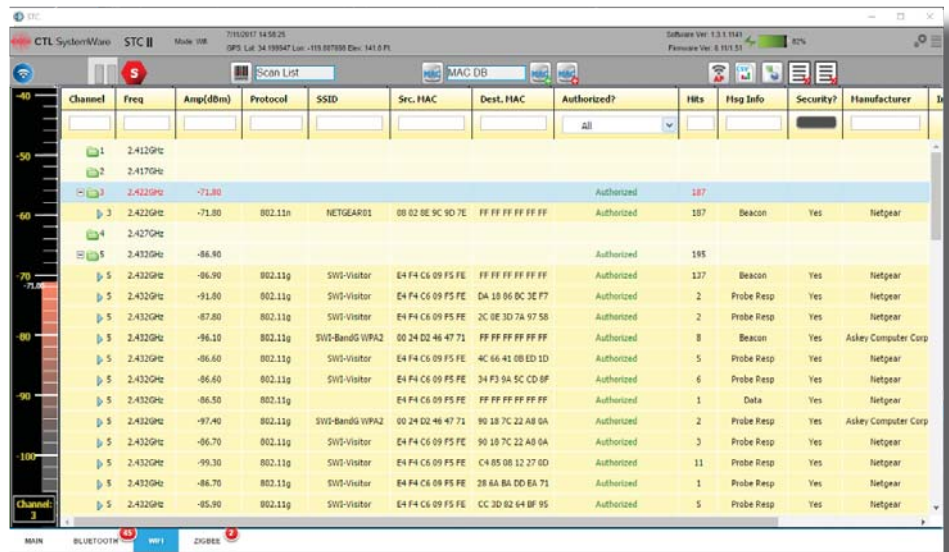


Spectrum Guard's intuitive software design meets a range of customer missions:

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

Features

- 10 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

- Wi-Fi Mac Address
- Bluetooth Mac Address
- SSID Detection
- Signal Strength
- Hardware Manufacturer
- Wi-Fi Protocol Detection
- ZigBee Node Addresses
- Packet Identification and Analysis
- Mac Address Registration
- Authorized vs. Unauthorized Lists

Software Functions and Capabilities

- Sweep the RF Spectrum with User-Defined Frequency Parameters
- Maximum Sweep up to 26 GHz/sec
- 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
- Colored Raster
- Consolidated Exceedance List



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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.