

chanalyzer lab

At Your Desk, Bench, or Wherever

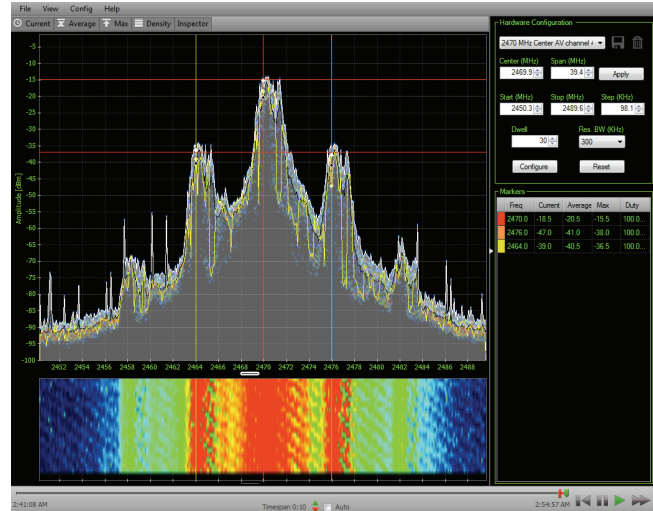
One of the beauties of Wi-Spy tools is that they're small, portable and therefore a heck-of-a-lot more enjoyable to pack around than traditional benchtop spectrum analyzers. And, since they're no-hassle and easy to set up, working from home, the field or from just about anywhere is no problem and just a matter of remembering to take your Wi-Spy along in your pocket.

Compatible with 900x and 950x as well as Wi-Spy DBx and 2.4x (V2 only), Chanalyzer Lab gives you the ability to analyze the most popular unlicensed RF bands. Whether you're developing wireless devices, testing equipment or involved with some other wireless application, Chanalyzer Lab and Wi-Spy enables you to set up quickly and get on to the task at hand.

- Fully adjustable Hardware Configuration
- Custom, savable configurations
- Duty Cycle by frequency
- Frequency and amplitude markers
- Simultaneous multi-device support
- DVR-like Timeframe Navigation
- Adjustable, Unified Timeframe
- Recordings and Playback
- Full 64-bit support

Requirements

| | |
|----------------------------------|----------------------------------|
| OS | Windows 7, Vista or XP (SP3) |
| Mac OSX Virtualization Framework | VMware Fusion, Parallels |
| Screen Resolution | Microsoft .Net 3.5 |
| RAM | 1024 x 768 (or Greater) |
| Processor | 1 GB (Rec. Minimum) |
| Wi-Spy Hardware | 1 GHz (Rec. Minimum) |
| | Wi-Spy 900x, 950x, DBx or 2.4xV2 |



Technical specs

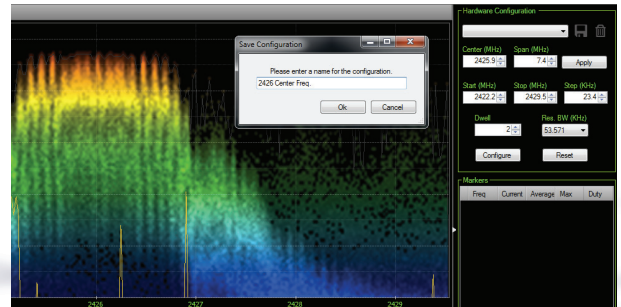
| | |
|------------------------------|--|
| Minimum Zoom | 1.0 MHz |
| Capture Limit | Dependant on hard disk space |
| Frequency Range: | |
| Wi-Spy 900x | 862 to 928 MHz |
| Wi-Spy 950x | 940 to 970 MHz |
| Wi-Spy DBx | 2.400 to 2.495 GHz, 5.150 to 5.850 GHz |
| Wi-Spy 2.4x | 2.400 to 2.495 GHz |
| Amplitude Range: | |
| Wi-Spy 900x | -105 dBm to -6.5 dBm |
| Wi-Spy 950x | -100 dBm to -6.5 dBm |
| Wi-Spy DBx | -100 dBm to -6.5 dBm |
| Wi-Spy 2.4x | -110 dBm to -6.5 dBm |
| Amplitude Resolution | 0.5 dBm |
| Resolution Bandwidth: | |
| Wi-Spy 900x | 53.571 to 750.000 KHz |
| Wi-Spy 950x | 60.268 to 843.750 KHz |
| Wi-Spy DBx (2.4 GHz) | 58.036 to 812.500 KHz |
| Wi-Spy DBx (5 GHz) | 53.571 to 750.000 KHz |
| Wi-Spy 2.4x | 53.571 to 750.000 KHz |
| Sweep Time*: | |
| Wi-Spy 900x | 370msec |
| Wi-Spy 950x | 450 msec |
| Wi-Spy DBx (2.4 GHz) | 507 msec |
| Wi-Spy DBx (low 5 GHz) | 1242 msec |
| Wi-Spy DBx (mid 5 GHz) | 1587 msec |
| Wi-Spy DBx (high 5 GHz) | 641 msec |
| Wi-Spy 2.4x | 531 msec |

* Sweep Time is shortened, or lengthened according to Zoom and Resolution Bandwidth settings.

visualize your wireless landscape

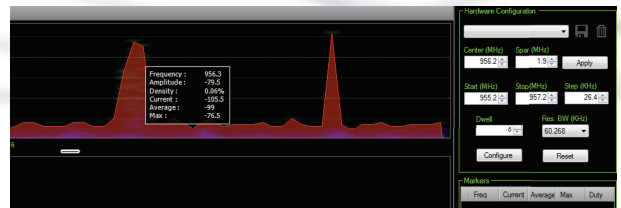
Hardware Configuration Panel

The Hardware Configuration Panel allows the user to zoom in on specific frequency ranges, specify step size, control dwell time and adjust resolution bandwidth for optimal visualization. Configurations can be saved to be implemented in future sessions for quick and easy setup.



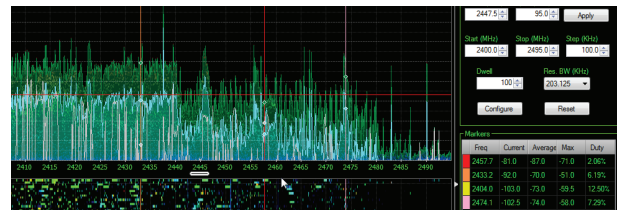
Inspector

Inspector gives an instant Frequency, Amplitude, Density, Current Average and Max readings—and time—while hovering over the spectrum graph. Provides a quick snapshot of individual frequency-amplitude points.



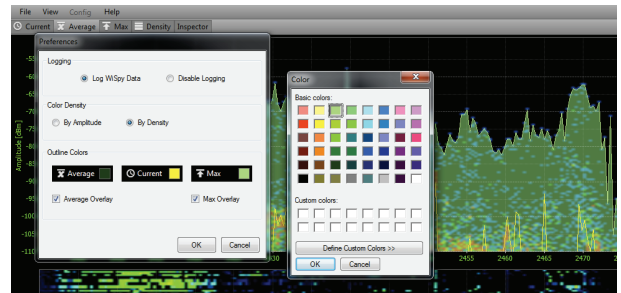
Markers

Frequency markers and amplitude markers give the user the ability to mark frequencies and amplitudes for reference on the graph. Frequency, Current, Average, Max and Duty Cycle are measured for each frequency marker and displayed in the Markers Table.



Customizable Colors

Under Preferences is the ability to choose or create custom colors for Current, Average and Max (and overlays). Configure the graphs to visualize the information as you choose.



Simultaneous Multi-device Support

Chanalyzer Lab allows for multiple Wi-Spy devices to run at the same time giving the user the ability to scan multiple bands—or multiple sections of bands—in the same session.

