

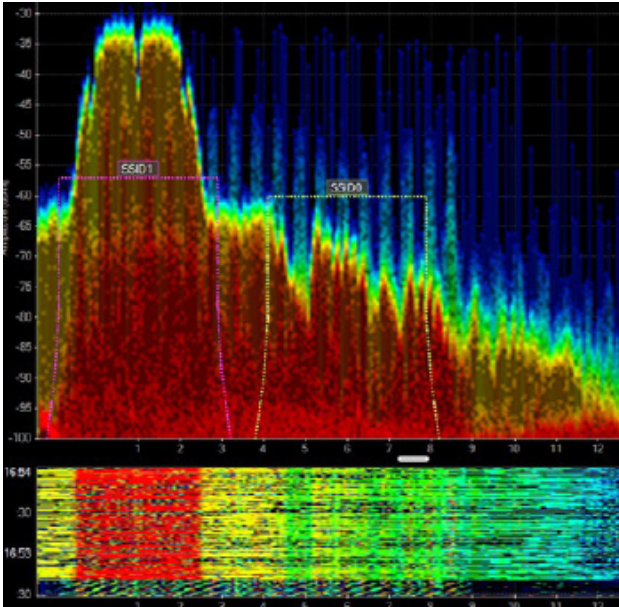


OSCIUM

The Spectrum Bundle

For more information contact support@oscium.com

Pain Relief for Wi-Fi Headaches



Chanalyzer brings simplicity and power to wireless troubleshooting. It combines Wi-Spy's ability to read raw RF data with your computer's built-in Wi-Fi card to show you how environmental Wi-Fi saturation and non-Wi-Fi transmitters affect your network. Chanalyzer is capable of displaying activity in the 6 GHz band and ZigGurats with the Oscium Nomad or the WLAN Pi Go. It can also display 2.4 GHz band, 5 GHz band, or both simultaneously. Must use Wi-Spy Lucid, WiPry Clarity.

With Chanalyzer you can:

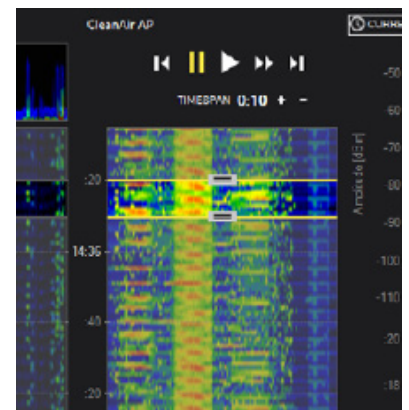
- Find the clearest channel for your network to optimize WLAN connectivity and throughput
- Locate and defeat interfering transmitters harming your network
- Identify and document RF issues and your solutions, with customized, colorful reports (Report Builder accessory)

Understand Utilization by Color

A variety of devices transmit in the same part of the wireless spectrum as Wi-Fi, including microwave ovens, baby monitors, cordless phones, security cameras, and more. Chanalyzer visualizes the activity of these transmitters and displays it by color, ranging from blue for infrequent transmissions to red for constant, channel-destroying activity.

DVR-Like Playback Controls

Similar to a television's DVR, you can pause or rewind your data while Chanalyzer continues to record in the background. When reviewing a recording, Chanalyzer's Waterfall Navigation allows you to evaluate utilization over time to identify peak hours and adjust your network accordingly. Every graph and table in Chanalyzer adjusts itself to display only information from the selected time span in the Waterfall Navigation Pane.



What you get in Chanalyzer:

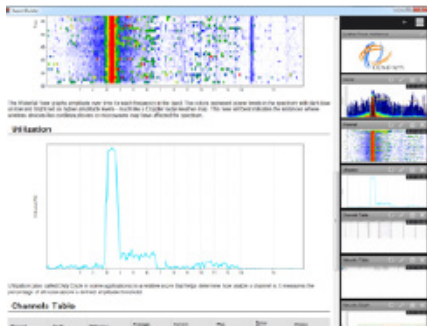
- Visualization of raw spectrum data
- Wi-Fi network overlays
- Visual playback with Waterfall Navigation
- Find offending devices
- Session recording and saving
- Automatic device classification
- Option to add specialized accessories
- Add notes by location

Complete your toolkit with these features

Report Builder

Report Builder is a fast, simple way to explain and document RF interference and congestion issues. With just one click, you can add a snapshot, edit image size, create descriptions or use preloaded explanations.

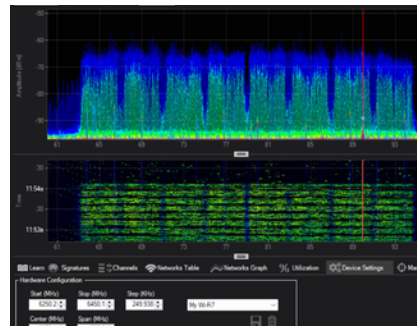
- Document spectrum events to explain to your audience, even if they're not tech-savvy
- Build comparisons to highlight impact from interference
- Export directly to PDF, HTML, RTF, or copy to clipboard



Configurable Spectrum Analysis

Unleash the power of your Wi-Spy to make the invisible visible. Focus on small frequency ranges with precision or scan wide swaths quickly. Deliver lab-worthy spectrum analysis that meets the demands of RF professionals.

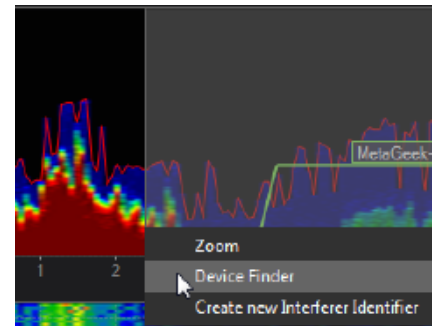
- Save hardware presets for instant access
- Ensure consistent, reliable performance
- Mark key frequencies and amplitude thresholds with ease



Device Finder

Defend your WLAN airspace with Device Finder, a purpose-built directional antenna for Wi-Spy that quickly tracks down transmitting devices in all three ISM bands (2.4 GHz, 5 GHz, 6 GHz).

- Bring laser-like focus to your search for offending signals
- Visualize the device's location as you approach the signal
- Positively identify and mitigate hidden interference



MetaCare

MetaCare includes future software updates for Oscium software during the period the plan is in effect. Updates range from bug fixes and minor feature updates to major enhancements and all the other wonderful changes we have in store.

For more information about MetaCare Assurance Plan, visit:
<https://www.oscium.com/subscriptions/metacare/>

Technical Requirements

OPERATING SYSTEM: Microsoft® Windows Vista, 7, 8, 10, 11.

Mac OS X VIRTUALIZATION: VMware Fusion, Parallels

MINIMUM REQUIREMENTS: 1024 x 600, 4 GB RAM, .NET 4.8, 1 USB port

WI-FI RADIO: 802.11be recommended (to unlock Wi-Fi 7), 802.11ax

NOTE: Virtual machines require a USB Wi-Fi adapter to view Wi-Fi information

Oscium Wi-Spy Mode

REQUIRED HARDWARE: Wi-Spy Lucid, Built-In Wi-Fi card (802.11be recommended, a/b/g/n/ac/ax/be compatible). Also works with Wi-Pry Clarity and Wi-Spy DBx.

OPTIONAL HARDWARE: Device Finder

Wi-Spy Lucid



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HARDWARE

Lucid Frequency Range:

2.2 GHz-7.25 GHz¹

Lucid Frequency Resolution:

25 kHz

Amplitude Range:

-95 dBm to -5 dBm

Amplitude Resolution:

0.5 dBm

Filter Bandwidth Range:

58 KHz to 812 kHz

Antenna:

Included Tri-Band Omni-directional Antenna

Antenna Port:

RP-SMA

¹ Software application(s) currently support Wi-Fi bands only. Future software support possible for other bands.

SOFTWARE

Requirements:

Windows 8 (and newer)

Mac OSX 10.14 (Mojave)

Default Software Frequency Ranges:

2.4-2.5 GHz

5.145-5.860 GHz

5.925-7.125 GHz

Default Software Sweep Time²:

2.4 GHz: 200ms

5.8 GHz: 400ms

6E: 600ms

² Chanalyzer supports configurable sweep frequency range, resolution, and bandwidth.



MAC
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PC

PC
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Device Finder

Directional Antenna Accessory for Wi-Spy Lucid



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HARDWARE

Frequency Range:

2.4-2.5 GHz
5.145-5.860 GHz
5.925-7.125 GHz

Antenna Gain

5-8 dBi (frequency dependent)

Connector Type

RP-SMA male

Radiation Pattern

Directional (logo-facing orientation)

Dimensions

3.2" x 2.5" x 0.5" (81mm x 64mm x 13mm)

Weight

0.875 lbs (400g)

Operating Temperature

-20°C to +70°C

SOFTWARE

Requirements:

Compatible spectrum analyzer with RP-SMA female connector required (Wi-Spy Lucid recommended)
Windows 8 (and newer)
Mac OSX 10.14 (Mojave)

Default Software Sweep Time2:

2.4 GHz: 200ms
5.8 GHz: 400ms
6E: 600ms

2 Chanalyzer supports configurable sweep frequency range, resolution, and bandwidth.



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