



OSCIUM

The Complete Bundle

For more information contact support@oscium.com

A Deeper Dive into your Wi-Fi



MetaGeek App transforms complex Wi-Fi packet captures into clear, actionable insights for faster wireless troubleshooting. By combining intelligent event detection, client-centric analysis, and optional RF spectrum visibility, MetaGeek App helps engineers quickly identify roaming issues, connectivity problems, channel congestion, and other wireless performance challenges across 2.4 GHz, 5 GHz, and 6 GHz networks.

With MetaGeek App you can:

- Quickly identify Wi-Fi connection, authentication, and roaming issues
- Follow wireless clients as they move between access points
- Capture traffic from multiple Wi-Fi channels simultaneously
- Visualize airtime utilization and client activity over time
- Troubleshoot both live networks and recorded packet captures
- Correlate packet analysis with RF spectrum data using Wi-Spy
- Filter and drill down from the network level to individual clients and events, and much more

Intelligent Event Detection

MetaGeek App continuously analyzes Wi-Fi traffic and automatically identifies meaningful wireless events—helping you find problems without manually decoding thousands of packets.

Replay Captures. Revisit Every Detail.

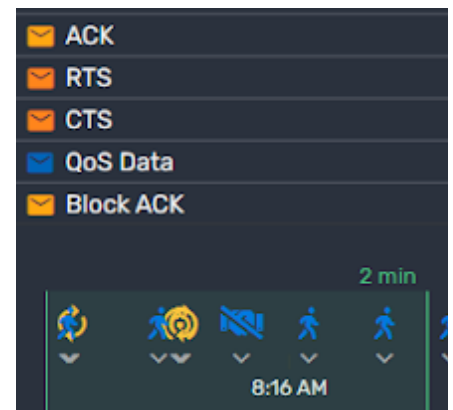
Whether you're troubleshooting live or reviewing a capture from a customer, MetaGeek App lets you load and replay packet captures at your own pace. Navigate through events on an interactive timeline, pause at key moments, and drill into client behavior without needing to recreate the problem.

With Playback you can:

- Open and analyze standard .pcap and .pcapng files
- Replay captures to investigate intermittent Wi-Fi issues
- Jump directly to connection, authentication, and roaming events
- Filter by network, access point, or client
- Share captures with teammates for collaborative troubleshooting

What you get in MetaGeek App:

- WYSIWYG Packet Capture
- Automatic Adapter Channel Management
- Packet Event Detection
- Packet Flow Visualization
- Contextual Packet Decode
- Fast and simple PCAP exporting

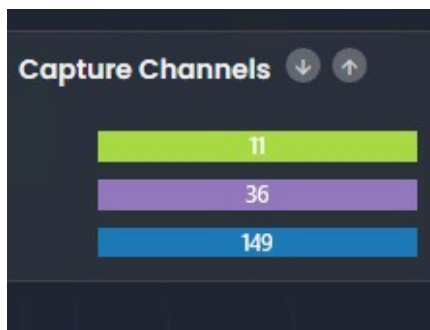


Complete your toolkit with these features

Multi-Adapter Packet Capture

Capture more of the conversation by monitoring multiple Wi-Fi channels simultaneously.

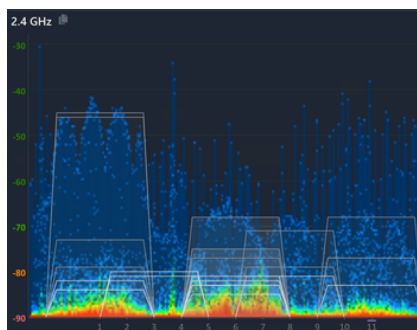
- One to three packet adapters
- Simultaneous 2.4 / 5 / 6 GHz visibility
- Unlock four channels with Nomad



Integrated Spectrum Analysis

Pair MetaGeek App with Wi-Spy to combine Layer 1 RF visibility with Layer 2 packet analysis in a single workflow.

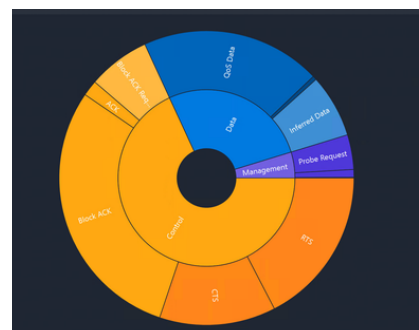
- Spectrum utilization
- RF interference
- 2.4 / 5 / 6 GHz



Visualize Airtime, Not Just Packets

Traditional packet analyzers show packets. MetaGeek App shows how those packets affect airtime, channel utilization, and client experience.

- Airtime utilization
- Channel congestion
- Live graphs
- Historical timeline
- Identify heavy airtime users



MetaCare Plan

MetaCare includes future software updates for MetaGeek 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 11. macOS 26 (beta only)

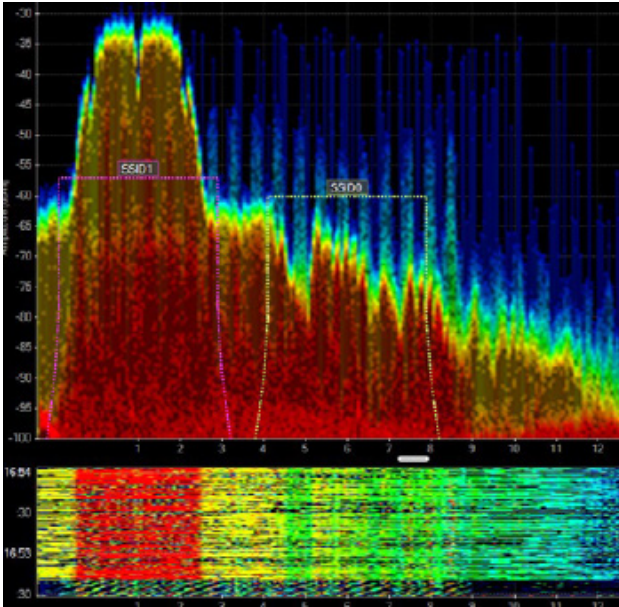
MINIMUM REQUIREMENTS: 1024 x 600, 8 GB RAM, .NET 4.8, 1 USB port

REQUIRED CAPTURE HARDWARE: Oscium Nomad (strongly recommended), WLAN Pi Go, or compatible Wi-Fi packet capture devices found here

<https://support.oscium.com/hc/en-us/articles/4435459260055-Supported-Packet-Capture-Adapters>

MetaGeek Wi-Spy Mode
OPTIONAL HARDWARE: Wi-Spy Lucid

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:

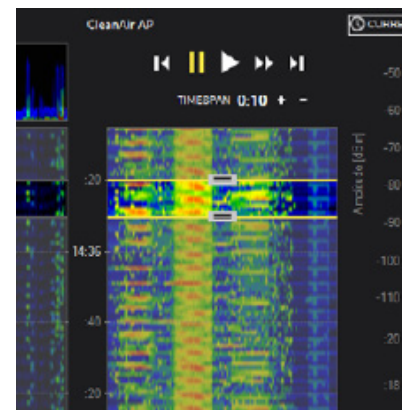
- Find the clearest channel for your network to optimize WLAN connectivity and throughput
- Locate and defeat interfering transmitters harming your network
- Identify and document RF issues and your solutions, with customized, colorful reports (Report Builder accessory)

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:

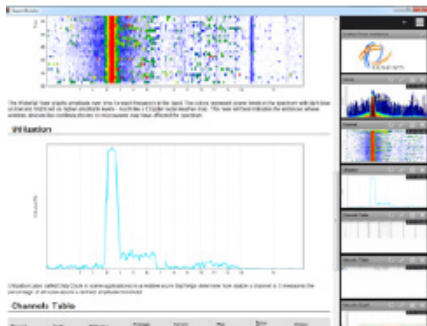
- Visualization of raw spectrum data
- Wi-Fi network overlays
- Visual playback with Waterfall Navigation
- Find offending devices
- Session recording and saving
- Automatic device classification
- Option to add specialized accessories
- Add notes by location

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.

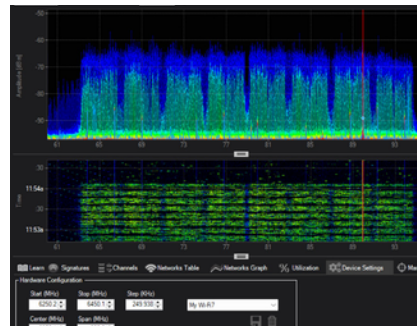
- Document spectrum events to explain to your audience, even if they're not tech-savvy
- Build comparisons to highlight impact from interference
- Export directly to PDF, HTML, RTF, or copy to clipboard



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.

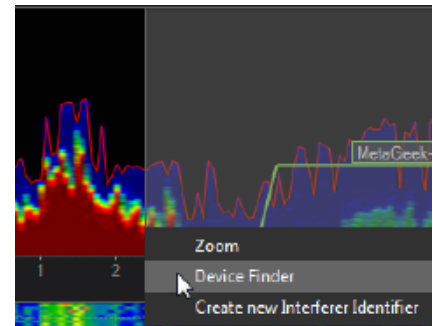
- Save hardware presets for instant access
- Ensure consistent, reliable performance
- Mark key frequencies and amplitude thresholds with ease



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



OSCIUM

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
DOWNLOAD

PC

PC
DOWNLOAD

For more information contact support@oscium.com

NOMAD

DEVICE OVERVIEW

The Oscium Nomad is a portable, high-performance Wi-Fi measurement device designed for Wi-Fi network validation and analysis. Its comprehensive data collection makes it ideal for onsite assessments, troubleshooting, and optimization of Wi-Fi Networks.



KEY FEATURES

Portability: Lightweight and compact, perfect for all-day surveying and easy transport.

User-Friendly: Intuitive design for quick setup and operation, no expertise required.

Accurate Measurements: Reflects real-world clients for actionable insights.

Compatibility: Fully compatible with all Wi-Fi generations, including Wi-Fi 7.

Real-Time Analysis: Provides real-time data and insights for immediate troubleshooting.



OSCIUM

HARDWARE

Dimensions: 14 cm x 12.5 cm x 3.5 cm (5.5" x 5" x 1.4")

Weight: 415 grams (14.75 oz)

Battery: Built-in 7500 mAh (27.75 Wh) battery, up to four hours of survey time

Wi-Fi Modules: 4 tri-band (2.4 GHz, 5 GHz, and 6 GHz) Wi-Fi radios, each with 2 spatial streams

Antennas: 8 tri-band antennas optimized for 2.4 GHz, 5 GHz, and 6 GHz frequencies

Connectivity:

Charge Port: USB-C (Power Delivery)

Data Port: USB-C

Expansion Port: USB-A

Dynamic Range:

- 2.4 GHz: - 0 to -88 dBm

- 5 GHz: -15 to -92 dBm

- 6 GHz: -15 to -92 dBm

SOFTWARE

Hamina Onsite App - hamina.com/onsite
Compatible with iPhone, iPad, & Apple Silicon Macs. Annual subscription required.



INCLUDED ACCESSORIES

Carrying Case: Offers protection and portability

USB PD Charger: Provides fast charging

USB-C to USB-C cable: For charging and data connectivity

USB-C to USB-A cable: For compatibility with previous generation devices

Shoulder Strap: Adjustable strap with shoulder pad

Quick Start Guide

WARRANTY AND SUPPORT

Warranty: 1-year warranty

Support: Access to customer support via email (support@hamina.com)

Documentation: Online resources, including manuals and FAQs (docs.hamina.com)

For more information contact sales@hamina.com

Device Finder

Directional Antenna Accessory for Wi-Spy Lucid



OSCIUM

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.



MAC
DOWNLOAD

PC

PC
DOWNLOAD

For more information contact support@oscium.com