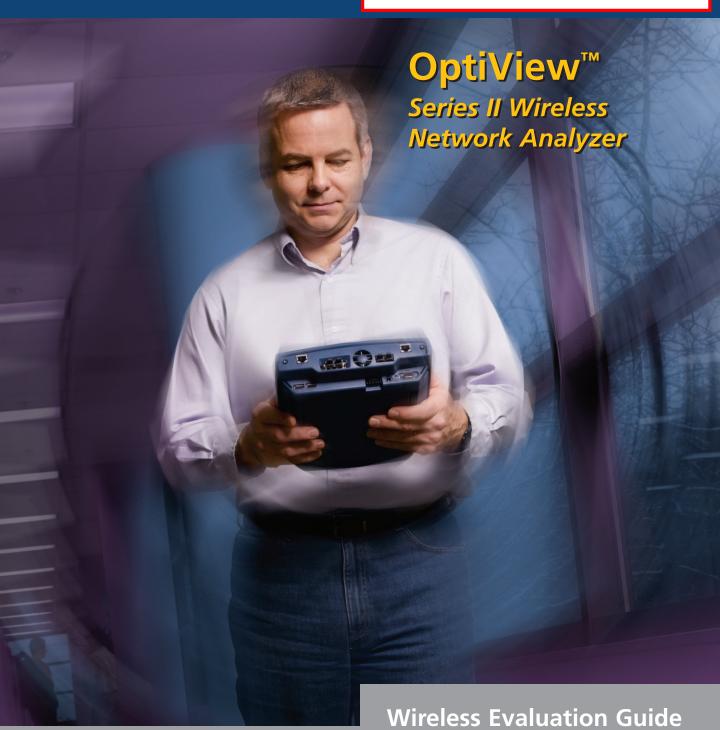




205 Westwood Ave Long Branch, NJ 07740 1-877-742-TEST (8378) Fax: (732) 222-7088

Fax: (732) 222-7088 salesteam@Tequipment.NET





OptiView[™]

Series II Wireless Network Analyzer

Wireless Evaluation Guide

Contents page	ge
Front page1	
Channels	<u>}</u>
Network Detail	}
Client Detail	ļ
Locate	5
Find the "Top Talkers"	5
Tools	7
Survey	}
Network Packet Statistics9)
Packet Capture1	0
Documentation and Reporting	1



Front page

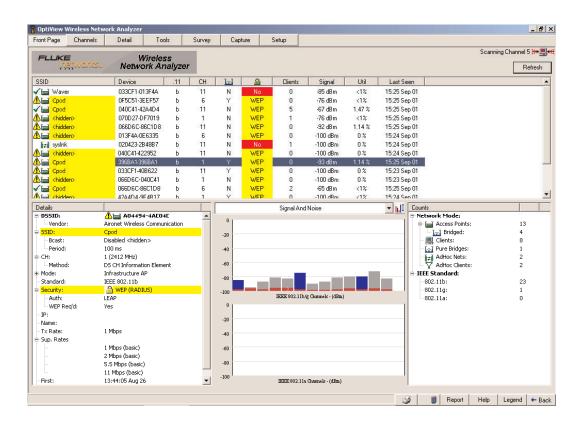
With the Fluke Networks Wireless LAN card installed in your OptiView, launch the wireless Network Analyzer application from the Optiview desktop.

The analyzer will immediately begin passive and active discovery of devices in your WLAN network and populate the front page with valuable information about your wireless LAN environment. This is your wireless environment at a glance!

The front page quickly lists the WLAN network devices sorted by SSID in the top window. This window provides channel configuration, signal strength, utilization, and security encryption information.

The lower left cell provides detailed information about the selected access point, ad hoc network, or bridge while the lower right cell provides network device counts.

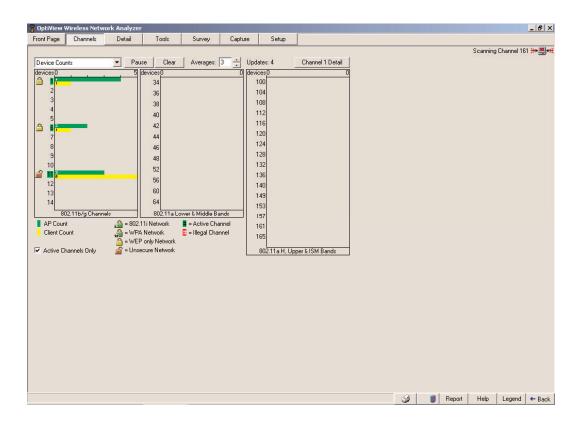
The radio continually sweeps the 802.11a/b/g channels and reports information such as signal strength, signal to noise ratio or other selected data in the lower center cell.



Channels

Selecting the Channels tab switches the view to illustrate signal strength values across all 802.11 channels. Use the drop down box to select from the list of available WLAN characteristics.

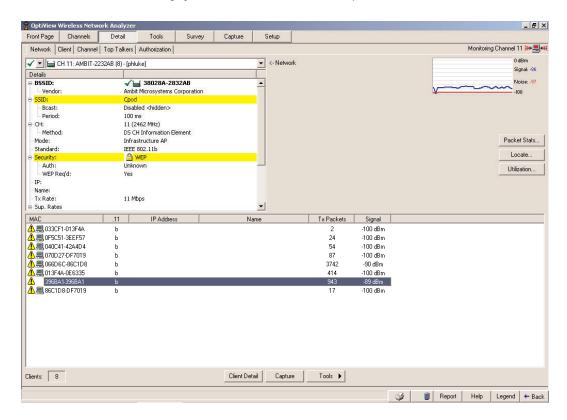
This information is useful when performing site surveys or monitoring areas of RF coverage overlap between access points. This page also provides visibility into the presence of RF interference.





Network detail

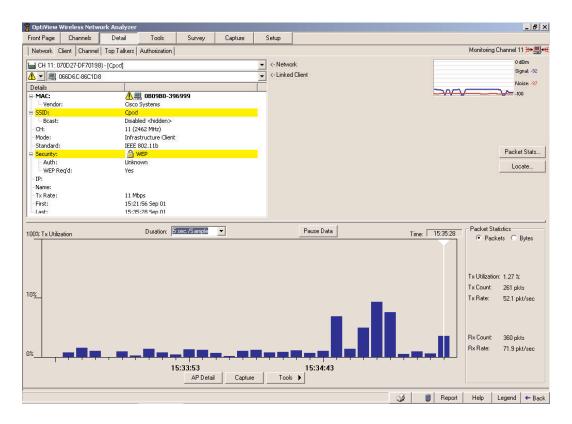
Clicking any channel in the graph changes the Channel Detail button to the desired channel. A click on the channel detail button brings you information about the access points on the selected channel.



Client detail

From the Detail screen, you can select an access point, ad hoc network, bridge, or client and drill down to learn more about that device while viewing signal and noise information in the upper right of the screen. Channel utilization data is continually monitored in the lower half of this screen.

Note that this screen only shows details about clients. Access points, ad hoc networks, and bridges are shown by selecting the Detail / Network tab.

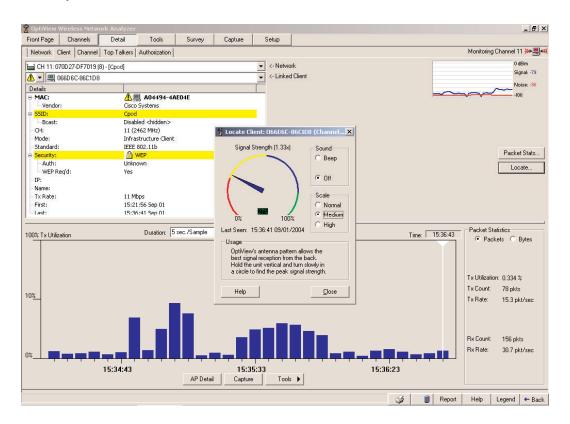




Locate

Use the Wireless Optiview to locate an access point, client, or rogue device by selecting the device from the list and clicking the Locate button.

Walk around the facility following the guidance of tones and the signal strength indicator to quickly locate any wireless device.

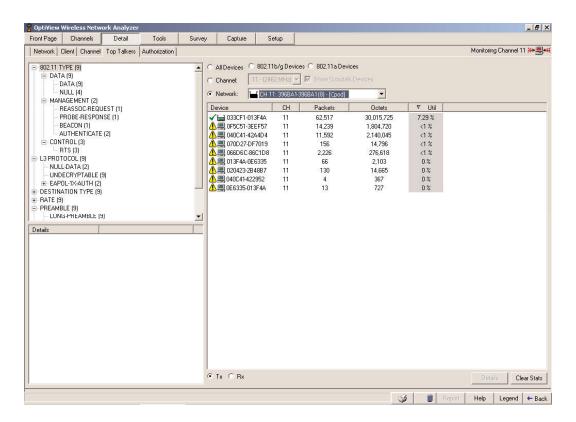


Find the "Top Talkers"

Within the Detail menu, select Top Talkers to quickly identify which clients are dominating the airwaves.

This tool enables you to identify areas within your facility where additional access points may be required in order to support mobile application demands.

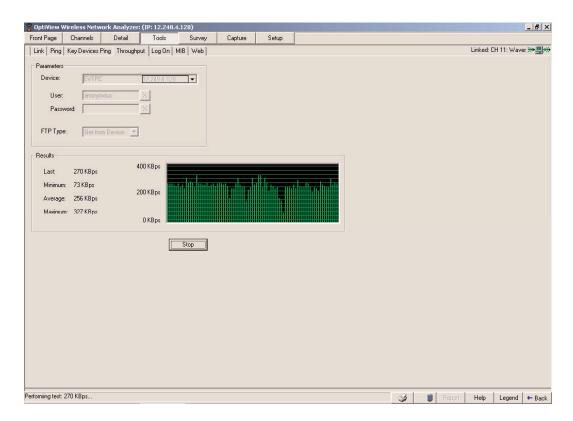
Top Talkers can also be used to locate devices that are causing crosstalk problems on a channel when a specific channel is chosen and the Show Crosstalk Devices option is selected.





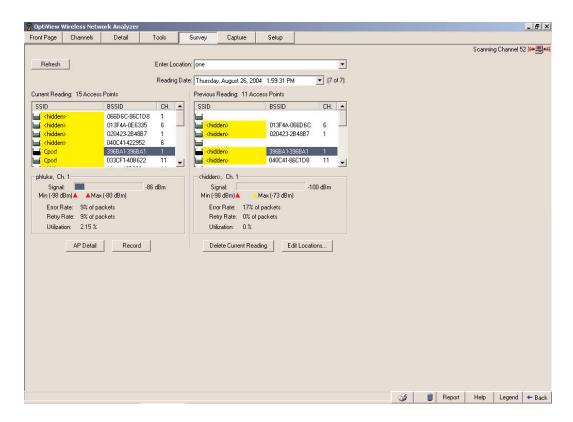
Tools

A click to the tools tab brings a wealth of options for testing your WLAN network. Options include ping tests, MIB access, and a true throughput test using Puts and Gets to and from your FTP server.



Survey

Use the survey tool to determine access placement in new wireless installations, and to take a snapshot of the installed WLAN environment at various locations within the facility. Use this data as a baseline and periodically validate WLAN coverage using the survey tool. The Survey tool enables quick identification of new devices on the network by comparing the the current survey data to historical information. The tool also can help you identify changes in RF coverage that occur over time due to changes in the environment, or the introduction of new wireless devices into the network.

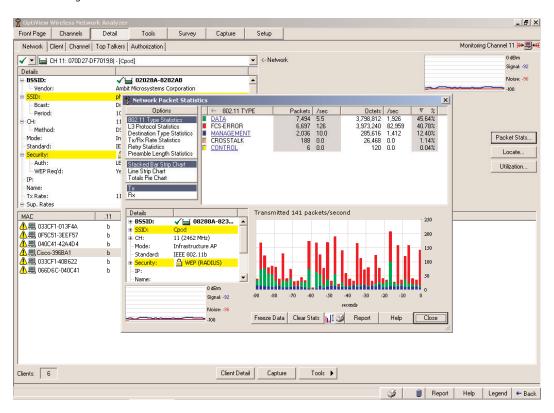




Network Packet Statistics

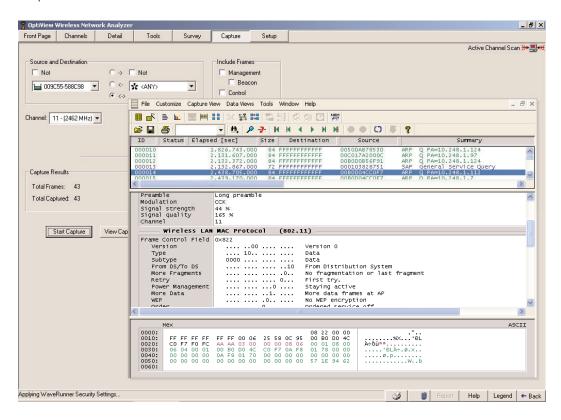
Network Packet Statistics displays a hierarchical view of packet statistics for a selected wireless device or channel. Packet statistics allow you to trend things such as rates, 802.11 packet type, and L3 data protocols together with FCS errors and crosstalk.

It can be used to determine channel utilization problems with Tx/Rx Rate Statistics, Retry Statistics, and observing FCS errors and crosstalk.



Packet Capture

The OptiView Wireless Network Analyzer Capture menu provides a flexible platform for filtering out all but the packets of interest – making the sometimes daunting task of viewing the decodes less intimidating. Select the source and/or destination addresses of interest or capture all packets not from the specified address(s). Select Management, Control and Data frames of interest, and capture the entire packet or only the part of interest.



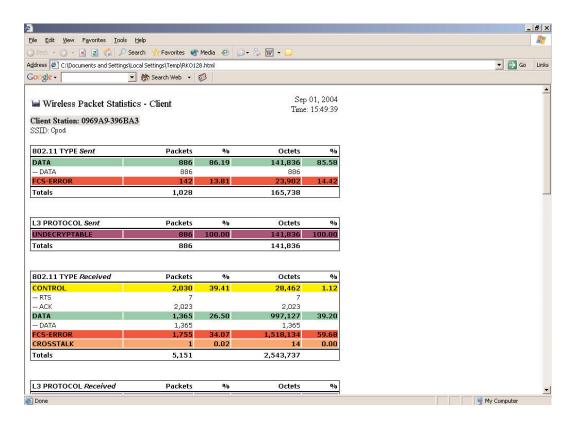


Documentation and Reporting

Provide comprehensive reports for management, or create diagnostic reference material using the context sensitive reporting functions of your wireless OptiView. Reports are generated in standard HTML so they can be easily edited, shared and accessed. Nine categories of reports can be generated:

- 1) Access Points Summary
- 2) Access Point Detail
- 3) Authorization List
- 4) Channel Detail
- 5) Client Detail

- 6) Key Device Ping
- 7) Packet Statistics
- 8) Site Survey
- 9) Spectrum Channel Quality





205 Westwood Ave Long Branch, NJ 07740 1-877-742-TEST (8378) Fax: (732) 222-7088 salesteam@Tequipment.NET