

AIRMAGNET Survey 3.0

Fast Scientific Site Surveys

AirMagnet™ Survey provides WLAN professionals with everything they need for scientifically accurate site surveys of any 802.11a/b/g wireless network. This revolutionary software automatically gathers critical RF information from your network using multiple data collection methods and generates detailed maps of the results for easy network deployment, provisioning and optimization.

Hundreds of network professionals rely on AirMagnet Survey to:

- *Identify Coverage Areas and Dead Spots*
- *Find Ideal AP Placement and Power Settings*
- *Identify Areas of RF Interference and Noise*
- *Identify Client Roaming Areas*
- *Measure True End-User Experience in Terms of Connection Speed, Retry Rate, and Packet Loss*
- *Insure Adequate Bandwidth and Speed*
- *Simulate Network Changes and Optimization*

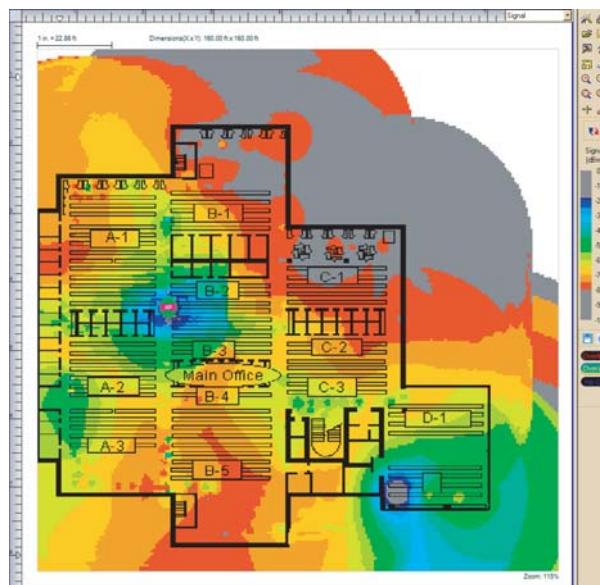
Behind these core capabilities is a deep set of industry leading features that makes AirMagnet Survey the best site survey solution anywhere.

Focused on the End-User

One of the ways that AirMagnet Survey delivers a better site survey is by collecting better data in the first place. Instead of relying solely on passive data (listen only) like most survey solutions, AirMagnet also collects active survey data.

During an active survey, AirMagnet actually associates to a specific AP and exchanges data to emulate an end-user. This allows surveyors to map out exactly how real-world clients will perform at various locations in terms of connection speed, retry rates, and packet loss.

AirMagnet Survey also allows the user to merge any number of surveys into a single unified project. This allows users to build a truly complete and coordinated view of the WLAN instead of relying on isolated snapshots.



Unmatched Analysis

AirMagnet Survey automatically displays the survey results on a site-map, providing users with unlimited options for visual analysis.

Complete View of Wireless Statistics - View the distribution of Signal, Noise, Signal/Noise, Frame Speeds, Retry Rates, and Packet Loss.

View by Channel, SSID, or Device - Sort results based on SSID or channel to easily balance RF issues against VLAN and service level requirements.

Interference Analysis - Quantitatively analyze all sources of interference that can impact the performance of your APs.

Overlap and Roaming Analysis - Instantly see areas of over-provisioning or where clients are prone to consistent roaming or "thrashing" between APs.

Simulation and Optimization

After a survey, users can simulate a variety of changes to the network and preview the impacts. This includes changing AP Transmit Power, Channel, SSID, and even environmental noise. Users can simulate moving APs to new locations or even preview the effect of adding additional APs. Surveyor can also automatically recommend a channel plan for your APs that avoids interference and over-allocation.

Active Tools

Survey includes a suite of utilities to actively test the network and pinpoint problems, including a signal test tool to identify potential multipath interference, Ping, DHCP tools, and a library of wireless calculators.

Broad Map Support

AirMagnet Survey supports a broad set of map types including BMP, DWG, DIB, DXF, EMF, GIF, JPG, WMF.

AirMagnet Survey PRO

AirMagnet Survey PRO is a separate version of the Survey software containing all the functionality of the standard version plus an additional set of features tailored to the needs of the wireless expert. Additional features include:

Integration with AirMagnet

Spectrum Analyzer

Users who own the AirMagnet Spectrum Analyzer can now collect both Wi-Fi and spectrum analysis data in a single walkthrough. This integration provides users with a location-specific FFT spectrum plot for every data point, providing the most complete view of the wireless environment possible.

Professional Reporting

Survey PRO includes a completely integrated reporting module that can instantly create custom outputs of your site surveys and simulations. Reports include coverage and interference assessments of every channel, SSID, and AP. Reports can be output in over 15 formats including PDF, XML, HTML, Microsoft Excel and Microsoft Word.

Multi-floor Site Surveys

Survey PRO provides the ability to analyze up to 4 separate floors simultaneously. With a single click, users can see the effects of any device across multiple floors and then plan the best actions for the network.

AirWISE® for Site Surveys

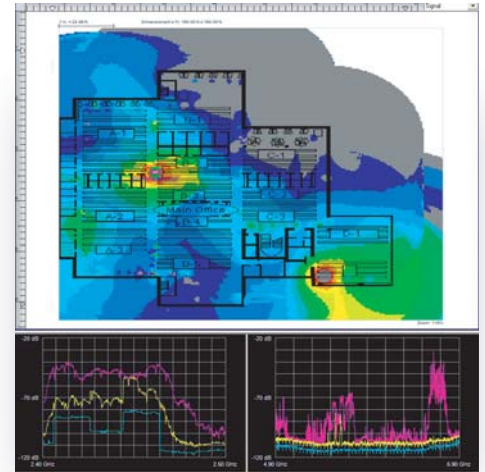
The new AirWISE section automatically shows surveyors all areas that fail to meet the design requirements of their network. Users can quickly test the network against a variety of criteria and get expert advice on how to resolve any problems.

Capacity Planning

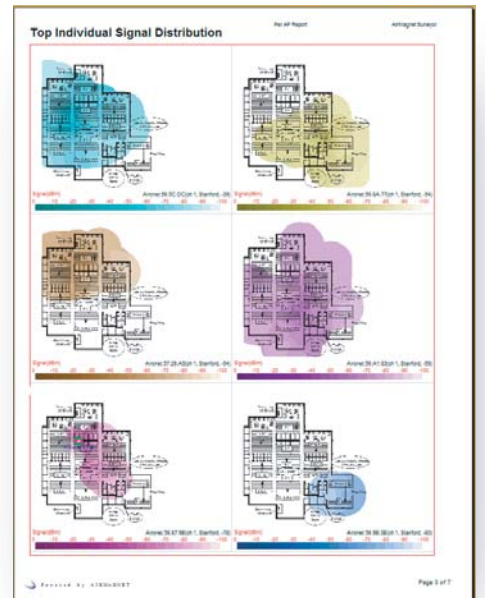
AirWISE also includes a dedicated capacity planning section that allows surveyors to account for the number of end-users the WLAN will need to support. With this tool users can easily verify that the network will have enough APs to meet the bandwidth and throughput needs of end-users.

Outdoor Surveys

With the combination of GPS support, 4.9 GHz support and integration with Microsoft Map Point, AirMagnet Survey PRO provides a clear path to fast fully automated outdoor surveys. Users can leverage their NMEA compliant GPS device to automatically collect wireless data, while Microsoft Map Point users can integrate with AirMagnet to automatically load a map for any outdoor location.



Spectrum Analysis Integration
(PRO version only)



Professional Reporting
(PRO version only)



To order AirMagnet products, or for more information about the company, contact us at 408-400-0200 or info@AirMagnet.com

AirMagnet, Inc.
1325 Chesapeake Terrace
Sunnyvale, CA 94089
www.AirMagnet.com