ZonePlanner™
Smart Wi-Fi RF Simulation Tool

POWERED BY
AIRMAGNET.
now part of Fluke Networks

Easy-to-use RF planning tool simulates network coverage and performance for Smart Wi-Fi APs

ZonePlanner takes the guess work out of wireless LAN design, making it easy for network professionals to accurately plan and deploy any 802.11a/b/g/n-based Wi-Fi network with industry-leading Ruckus Smart Wi-Fi access points.

Powered by AirMagnet® technology, ZonePlanner is Ruckus-specific Wi-Fi planning and modeling software that integrates unique antenna patterns generated from our patented intelligent array integrated into every Smart Wi-Fi access point. ZonePlanner is available for a variety of Microsoft® platforms and can be run on Apple® platforms using Boot Camp.

ZonePlanner accounts for building materials, obstructions, access point configurations, antenna patterns, and a host of other variables to provide a reliable predictive map of Wi-Fi signal and performance.

Great networks start with great design
Before any actual AP deployment, ZonePlanner lets installers determine the correct quantity, placement and configuration required to deliver full coverage for end-users while minimizing signal bleed into unsecured areas. Users can preview the network by channel or SSID ensuring the network conforms to any specification.

Wi-Fi tailored to your environment
Simply load in a map of the location and use the built-in library of walls, doors and windows to precisely match the building's characteristics. The environment can be further customized to account for cubicles, offices, elevators and a variety of warehouse obstructions. All environmental settings are fully customizable and custom materials can be created from scratch to meet your specifications.

Build your network
ZonePlanner provides full control over all Ruckus AP settings with independent settings for 802.11a/b/g/n radios. Users can set the AP channel, transmit power, antenna type, orientation, height and 802.11n specifications. When the planning session is complete, users can generate a professional report with all the information needed to properly install the network, complete with a list of required Ruckus APs, their ideal placement and configuration settings. Administrators can also use ZonePlanner to predict network data rate information.

FEATURES

- **Complete 802.11a/b/g/n support with Ruckus APs**
- **Custom Ruckus beamforming antenna array patterns**
- **Manual or automatic AP placement**
- **Model WLAN changes, upgrades and roaming boundaries**
- **WLAN throughput estimation**
- **Channel interference view**
- **"Bill-of-Materials" reporting**

BENEFITS

- **Make migration decisions to 802.11n much easier and faster for existing legacy network environments**
- **Properly size new wireless deployments for any environment or location**
- **Design networks before any physical AP roll-out begins**
- **Predict and optimize WLAN network performance**
- **Simplify estimating for wireless network deployments**
- **Build detailed indoor RF models based on building materials and environment**
- **Automate WLAN installation plans including all Ruckus AP deployment and configuration options**
- **Model any antenna and preview the impact to your WLAN**
- **Ensure complete RF signal coverage while minimizing signal leak into unsecured areas**
- **Validate results against "active post-deployment" site surveys**
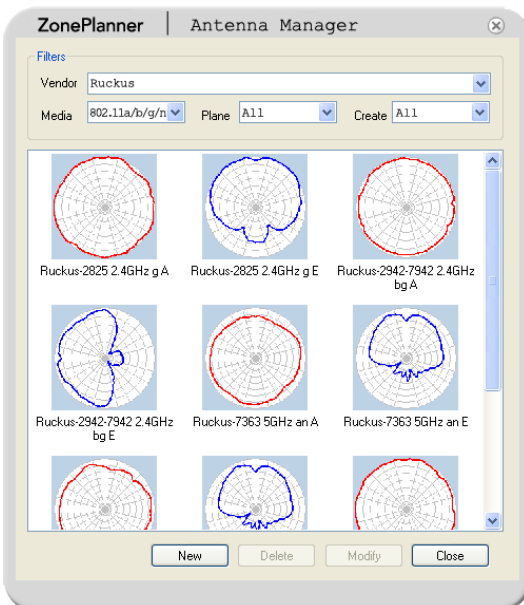
RUCKUS™ WIRELESS
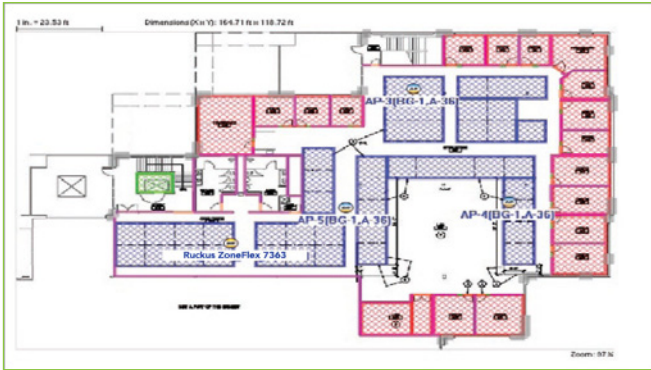
Customizable building characteristics
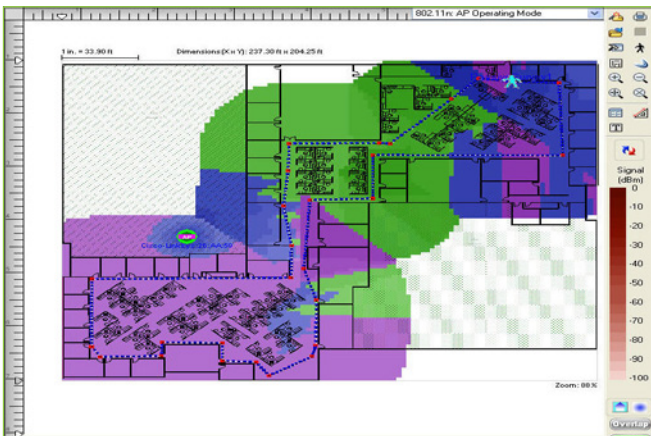
802.11n coverage maps

Antenna Manager allows selection of optimal antenna patterns

802.11n modeling

With ZonePlanner, network managers can design new 802.11n "greenfield networks," as well as one-to-one replacements or the phased introduction of 802.11n devices into their existing legacy network. Users plan their 802.11n deployments for maximized performance without any physical AP roll-out because the ZonePlanner is powered with unique coverage maps for 802.11n WLAN throughput and other coverage maps, such as operating mode, MCS transmit rate and channel width, to predict the WLAN performance at every location on the floor.

Automated WLAN modeling

ZonePlanner also includes the "advisor feature" to automatically place Ruckus APs on site floor plans. Users can specify the minimum signal coverage expected, the transmit power, media type of the Ruckus AP, etc., and mark Wi-Fi coverage areas and areas where Ruckus APs cannot be placed.

Specs

MINIMUM SYSTEM REQUIREMENTS

SYSTEM REQUIREMENTS

- Microsoft® Windows 7 or Microsoft® Windows Vista™ Business/Ultimate (SP1) or XP™ Professional (SP3)/ Tablet PC Edition 2005 (SP3) or MAC OS X Leopard™ (Apple® MacBook® Pro running Windows XP™ PRO/ SP3 using Boot Camp®).
- Intel® Pentium® M 1.6 GHz (Intel® Core™ 2 Duo 2.00 GHz or higher recommended)
- 1 GB memory (2 GB recommended) for Windows XP™. 2 GB or higher required for Windows Vista™
- 800 MB of free disk space
- A site map in a format supported by Ruckus Planner (supported formats are: .bmp, .dib, .dwg, .dxf, .emf, .gif, .vsd, .jpg, or .wmf)

Product Ordering Information

Model	Description
Ruckus Planner Powered By AirMagnet/Fluke Networks	
901-0100-0001	Ruckus Planner powered by AirMagnet. RF planner with Ruckus antenna patterns to assist customers for pre-deployment estimates.

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