

# Achieve Efficiency with Seamless Wireless Coverage Start with a Wireless Site Survey

A Wireless Site Survey from PC Connection is an invaluable tool in the design of an efficient wireless infrastructure. Whether you're planning a new wireless network, expanding your current coverage, or upgrading an existing solution, putting the right metrics in place to measure your wireless needs is a crucial step in designing an infrastructure that works the way you want it to.

Without survey data, it's easy to underestimate the wireless coverage you need, resulting in dead zones and poor network performance. Overestimating requirements can be an even costlier mistake, as access points located too close to one another can inadvertently reduce performance.

## Take the Guesswork Out— Start with a Wireless Site Survey

Starting your next wireless project with an assessment from PC Connection is the best way to ensure a problem-free implementation. The data collected from our Wireless Site Survey can improve network operations and save you money. Our valuable information will reveal:

- The correct amount of coverage for your environment and usage requirements
- The ideal combination of access points and antennas for your needs
- Optimum locations for each access point to ensure maximum coverage and performance

## How It Works

Our Wireless Site Survey involves a combination of on-site testing and analysis, backed by software simulation and report compilation.

- PC Connection conducts an on-site radio frequency propagation test that produces custom data specific to your building and infrastructure

- The testing will include a Wi-Fi study of 802.11a, 802.11b/g, or 802.11n signal propagation and interference analysis in all desired coverage areas
- Maps displaying the actual findings for signal strength, noise, signal-to-noise ratio, and channel interference are produced
- Final recommendations for access point location, antenna type, and channel allocations are created using the data collected

## Assessment Deliverables

Your survey results will provide all the information you need to ensure a successful wireless implementation. You'll receive a detailed findings report, consisting of the following deliverables:

- Results of the radio frequency propagation testing, including Wi-Fi interference sources
- Network design drawing
- Bill of materials (BOM) for recommended wireless hardware, pictures of mounting locations, configurations, channel plans, integration plans, security requirements, and data cabling

## Assessment Service Steps in Brief

1. Maps of the desired assessment area are gathered
2. Coverage areas and requirements are determined
3. A radio frequency propagation test is conducted
4. The data is reviewed and the wireless network design is completed
5. Detailed reports are generated
6. Recommendations and a bill of materials are provided and reviewed

## » Experience Worry-Free Wireless

The benefits of a PC Connection Wireless Site Survey are clear—whether you're designing a new wireless project or improving the efficiency of your existing assets. There's no easier way to get more performance out of your IT dollars. If you'd like to maximize the return on your wireless investment, call your Account Manager today about implementing a Wireless Site Survey.