## Easy WLAN Deployment and Maintenance

TamoGraph Site Survey is a powerful and user-friendly application for collecting and visualizing Wi-Fi data. Wireless network deployment and maintenance requires the use of a professional RF site survey tool that facilitates otherwise time-consuming and very complex tasks, such as ongoing analysis and reporting of signal strength, noise and interference, channel allocation, data rates, etc. By using TamoGraph, businesses can dramatically reduce the time and costs that are involved in deploying and maintaining WLANs and improve network performance and coverage.
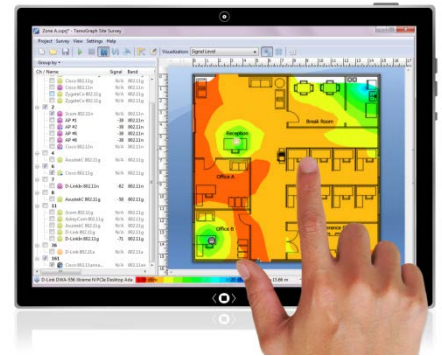
Key Features

- Simple and fast data collection
- Active, passive, and predictive surveys
- Comprehensive WLAN analysis with easy-to-understand visualization of signal level, interference, access point coverage areas, data rates, network issues, etc.
- Detailed information about every access point: channel, maximum data rate, vendor, encryption type, etc.
- Full support of 802.11ac, as well as 802.11a, 802.11b, 802.11g, and 802.11n networks
- GPS-assisted outdoor surveys
- Detailed reporting in PDF and HTML formats
- Attractive, competitive pricing

## Why to Perform a Site Survey

In a word, wireless site surveys are necessary because radio wave propagation is difficult to predict, especially in non-open space environments. It is virtually impossible to consider all the variables that might affect the health and performance of your WLAN. Changing conditions, even something as seemingly minor as a notebook equipped with a legacy 802.11g adapter that your new employee connected to the office wireless network, might seriously impact the WLAN performance. In addition, considering the wide proliferation of wireless infrastructure, factors such as interference from nearby WLANs play a very important role. This is why regular site surveys that are conducted with a professional tool are important.

When to Perform a Site Survey

Pre-deployment surveys: At this stage, a site survey is necessary in order to verify that the network plan works well in a real-world environment. Placement of temporary access points and a quick survey of the resulting WLAN characteristics allow an engineer to fine-tune AP and antennae placement, determine the optimal number and types of APs and antennae, and avoid poor coverage zones.

Post-deployment surveys: Once a WLAN has been deployed, a complete verification site survey is necessary to ensure that the WLAN performance and coverage meet the design requirements. At this stage, the Wi-Fi equipment placement is finalized and a site survey report should be generated so that the historical records can be accessed at any time in the future.
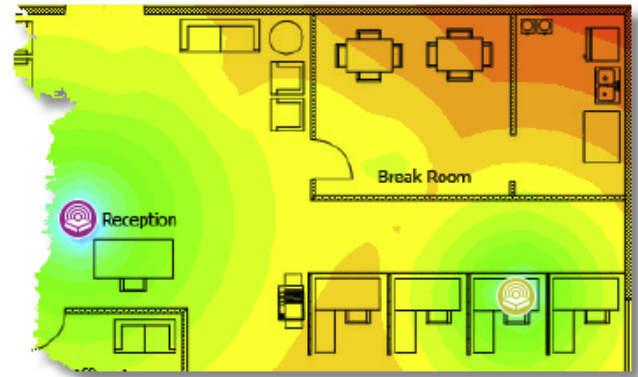
Regular, ongoing surveys: Maintaining high performance and coverage requires regular "check-up" surveys. New users, new equipment, site expansion, neighboring WLANs, and other factors can adversely affect your WLAN. It should be monitored on a regular basis.

Spectrum Analysis

Spectrum analysis involves the use of special RF equipment designed to listen to and analyze the frequency bands utilized by Wi-Fi devices. Because these bands are unlicensed, they are often shared with non-Wi-Fi sources of RF signals, such as wireless video cameras, microwave ovens, or cordless phones, which cause interference. The purpose of spectrum analysis is to detect and identify such sources of interference, eliminate them, and identify the WLAN channels with minimal interference. TamoGraph can perform spectrum analysis simultaneously with passive surveys by interfacing with Wi-Spy, a USB-based spectrum by MetaGeek.

When Wi-Spy is plugged in, a live spectrum picture is displayed on the central pane of the main TamoGraph. After you have performed a survey, the spectrum data collected can be added to PDF or HTML reports.
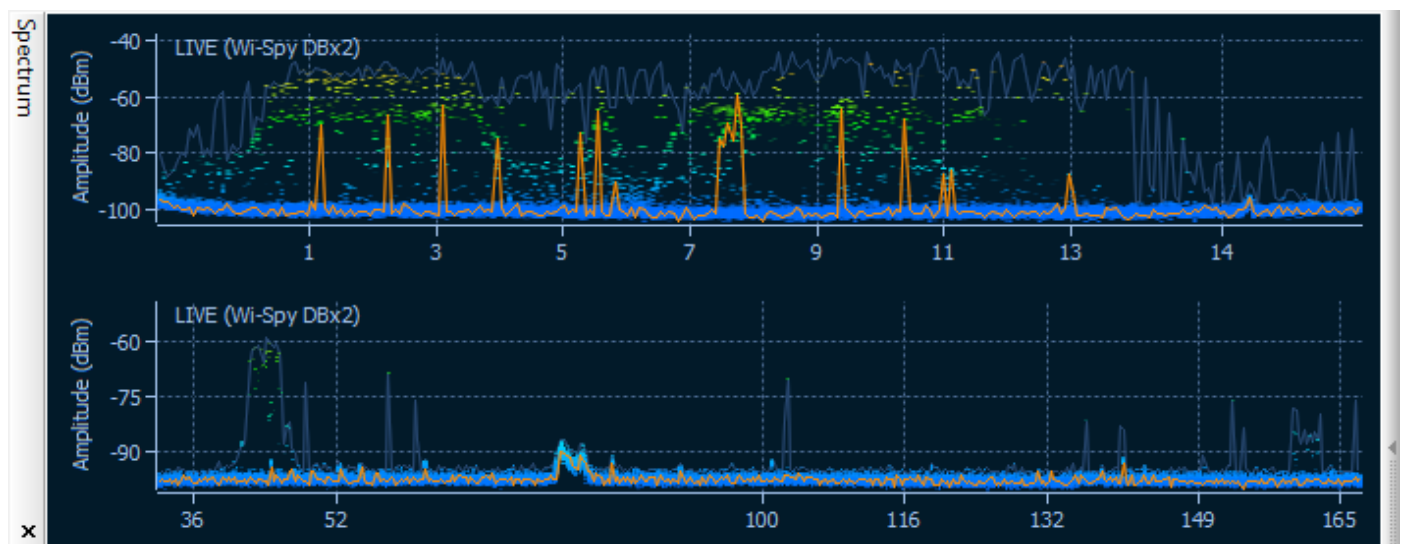
Product Maintenance

All TamoSoft products come with one year of free updates, upgrades, and e-mail support.

System Requirements

TamoGraph requires an Intel Core 2 or higher CPU, 2 GB of RAM, and 50 MB of free disk space. A compatible wireless network adapter is also required. TamoGraph supports dozens of integrated and USB adapters. For an up-to-date list of supported network adapters, please visit www.tamos.com. For passive surveys, the application requires the installation of a custom "monitoring only" NDIS driver for the network adapter. This driver is shipped with the application. TamoGraph runs on Microsoft Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2. Both 32- and 64-bit versions are supported.

Ordering Information

At TamoSoft, we want you to be happy with your purchase. That is why we encourage you to try out our products and technical support free of charge for 30 days before you make a decision regarding your purchase. By making the most of these free evaluations, you can fully test the software and ensure that it does everything you need. When you are ready to buy, we welcome you to www.tamos.com to order directly from us, or through our partners and resellers in many countries.