

Easy WLAN Planning, Deployment, and Maintenance

TamoGraph is a powerful and user-friendly wireless site survey and planning software that helps you visualize and analyze existing 802.11 a/b/g/n/ac/ax Wi-Fi networks or plan and design new ones. Wireless network modeling, deployment, and maintenance requires the use of a professional RF planning and site survey tool that facilitates otherwise time-consuming and very complex tasks such as turning your business connectivity requirements into a reliable WLAN, followed by ongoing analysis and reporting of coverage, 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 Wi-Fi networks and improve network performance and coverage in all kinds of environments: office buildings, airports, cafes, malls, or open space areas.



Key Features

- Simple and fast data collection
- Active and passive surveys
- Predictive modeling (a.k.a RF planning)
- 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 802.11ax, as well as 802.11a, 802.11b, 802.11g, 802.11n, and 802.11ac networks
- GPS-assisted outdoor surveys
- Detailed reporting in PDF, HTML, and ODT (Microsoft Word) 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-

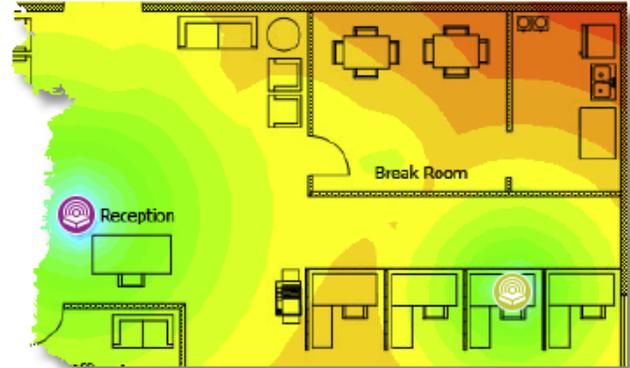
open space environments. It is virtually impossible to consider all the variables that might affect the health and performance of your WLAN. Changing conditions, even something as seemingly minor as a notebook equipped with a legacy 802.11n adapter that your new employee connected to the office wireless 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.

Group by	SSID / Name	Ch	Band	Signal	Encryption
[-] Floor_5	[-] Cisco 802.11n	1 (5)	802.11n	-87	WPA-TKIP
[-] ImpexDD	[-] AsustekCom 802.11g	6	802.11g	-84	WPA-TKIP
	[-] ZygateComm 802.11g	1	802.11g	-88	WPA-TKIP
[-] wireless	[-] Zte 802.11g	8	802.11g	-47	WPA-CCMP
[-] WLAN03	[-] 3com 802.11g	11	802.11g	-88	WPA-CCMP
	[-] 3com 802.11n	3 (7)	802.11n	-30	WPA-CCMP
	[-] Cisco 802.11g	11	802.11g	-85	WPA-TKIP
	[-] Cisco 802.11g	1	802.11g	-87	WPA-CCMP
	[-] Cisco 802.11n	2 (6)	802.11n	-71	WPA-CCMP

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.

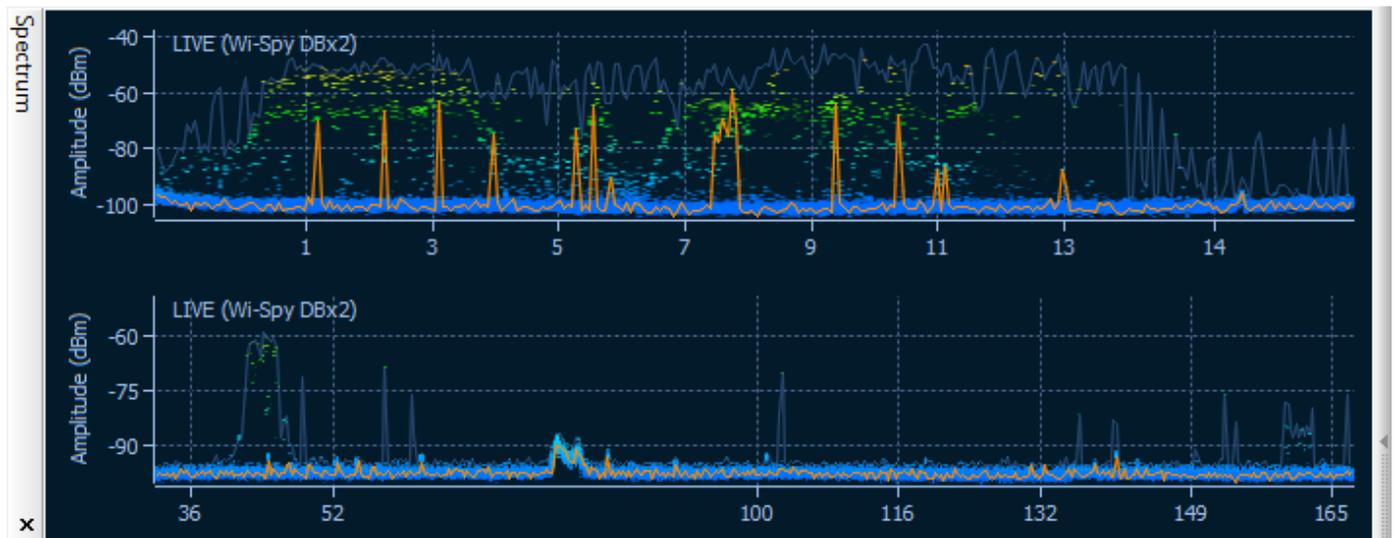


Regular, ongoing surveys: Maintaining high performance and coverage requires regular "check-up" surveys. New users, new equipment, site expansion, neighboring WLANs, and other factors can adversely affect your WLAN. It should be monitored on a regular basis.

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 analyzer by [MetaGeek](#), or WiPry, a USB-based tri-band spectrum by [Oscium](#).

When a USB spectrum analyzer is connected, a live spectrum picture is displayed on the central pane of the main TamoGraph window. 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 –Windows

TamoGraph runs on Microsoft Windows 10 and 11, Windows Server 2016, 2019, and 2022. For passive surveys, a compatible Wi-Fi adapter is required. TamoGraph supports many USB and integrated wireless adapters; see [our website](#) for the up-to-date list. For active surveys, any modern Wi-Fi adapter can be used.

System Requirements – macOS

TamoGraph runs on macOS Catalina, Big Sur, Monterey, Ventura, Sonoma. TamoGraph requires a MacBook, MacBook Pro, or MacBook Air manufactured in 2012 or later. For passive or active surveys, TamoGraph uses the MacBook's built-in adapter. Optionally, a USB adapter can be used for passive surveys; see [our website](#) for the up-to-date list.

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.

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