



## TamoGraph Site Survey Technical Specifications

### Supported WLAN Types

802.11a (5 GHz), 802.11b (2.4 GHz), 802.11g (2.4 GHz), 802.11n (2.4 and 5 GHz), 802.11ac (5 GHz), and 802.11ax (2.4, 5, and 6 GHz).

### Supported Adapters

For passive surveys **on Windows**, 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 **on Windows**, any modern Wi-Fi adapter can be used.

For passive or active surveys **on macOS**, 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.

No adapter is required for RF predictive modeling.

### Spectrum Analysis (optional)

Live spectrum analysis can be performed by interfacing with WiPry, a tri-band USB spectrum analyzer by [Oscium](#).

### System Requirements

- A multicore CPU such as Intel i5 or i7 is recommended.
- 8 GB of RAM
- 250 MB of free disk space

### Supported Report Formats

- PDF
- HTML
- ODT (Microsoft Word)
- KMZ (Google Earth)

### Operating Systems

TamoGraph runs on 32-bit and 64-bit operating systems:

- Windows 10 and 11
- Windows Server 2016, 2019, and 2022
- macOS Catalina, Big Sur, Monterey, Ventura, Sonoma

### Wi-Fi Data Visualizations

Passive and Predictive Surveys:

- Signal Level
- Signal-to-Noise Ratio
- Signal-to-Interference Ratio
- AP Coverage Areas
- Number of APs
- Expected PHY Rate
- Frame Format
- Channel Bandwidth
- Channel Map
- Requirements

Active Surveys:

- Actual PHY Rate
- TCP Upstream Rate
- TCP Downstream Rate
- UDP Upstream Rate
- UDP Downstream Rate
- UDP Upstream Loss
- UDP Downstream Loss
- Round-trip Time
- Associated AP
- Requirements

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