



SCOPE OF SERVICE

## Wireless Surveys

### On-Site Data Collection and Analysis

#### Passive Survey

##### Details

A passive survey is used to collect WiFi data, creating heat-maps that show signal strength levels (RSSI), co-channel interference, signal-to-noise ratio, etc...

*\*Does not require connection to WLAN*

#### Active Survey

##### Details

An active survey is used to collect real time performance statistics from a wireless network. It includes statistics for data throughout, round trip time (RTT), packet loss and access point roaming.

*\*Requires connection to WLAN*

##### Use Case

Passive surveys are used in virtually all survey engagements to gain a base level understanding of WiFi activity and performance.

##### Use Case

Active surveys are generally used after a new wireless implementation has been completed and real-time performance statistics must be verified.

#### Spectrum Analysis

##### Details

A spectrum analysis collects all radio frequency activity, allowing visibility into potential sources of interference unrelated to WiFi traffic (microwave ovens, weather radar, industrial machinery, etc...)

*\*Does not require connection to WLAN*

##### Use Case

A spectrum analysis would be used when WiFi coverage seems to be adequate but performance and connectivity issues are still present. Outside sources of interference must be investigated.