



WiFi SURVEY

PROFESSIONAL SERVICES

New Network Wireless Survey

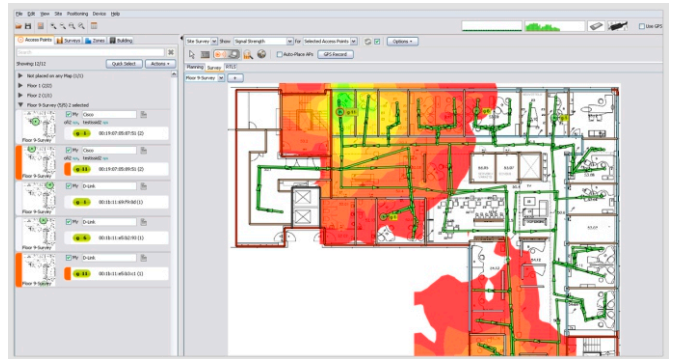
Code: PS-SV-NEW-01

Overview

Conducting a wireless survey is essential to correctly implement a WiFi network with 99.999% availability. Too many WiFi networks simply do not work as intended or under-perform. Conducting a professional wireless site survey will save a business both time and money in the long term.

Using the latest industry tools, and techniques to map out wireless radio frequency coverage of an intended area; we then provide clients with complete documentation on all aspects of the survey. Only after a professionally conducted wireless survey, will customers be equipped to create a fully scalable and secure wireless network.

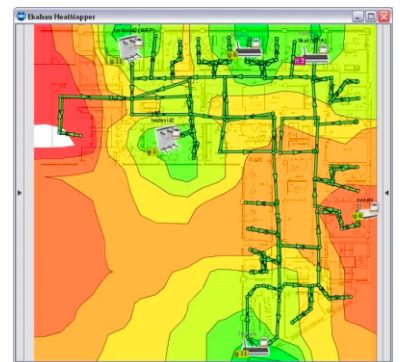
Detailed in the site survey reports (details below) a complete breakdown of the hardware required to achieve a successful wireless network. This can be of considerable value for network managers that need to allocate a budget in the future. We can conduct a survey with any wireless manufacturer's hardware in mind which is essential for the network design.



Coverage Maps

Wireless surveys display and record information from all the key areas of a wireless network including received signal strengths, access point locations, RF interference and noise levels. The reported information enables optimization of 'access point' channels choices of antenna's, AP transmit power levels and locations creating a more effective wireless network. Unique software and techniques work in any environment, supporting all WiFi (IEEE 802.11a/b/g/n/ac) networks.

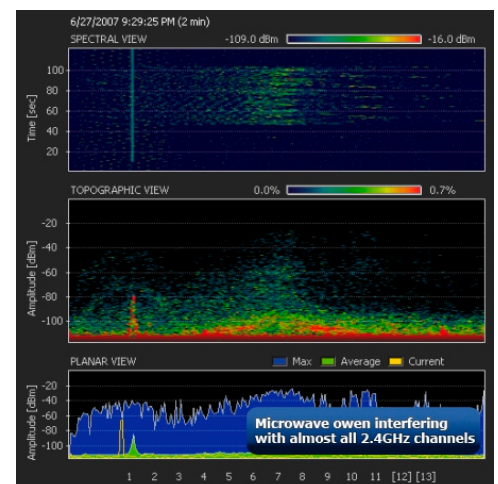
If required a wireless network prediction is performed in mapping out RF coverage of offices, saving the cost of initial wireless network viability analysis.



Spectrum Analysis / RF Interference

A full spectrum analysis will include detection, measure and recording of the presence of RF Interference that could degrade the performance of a wireless network. Interference such as microwaves, PIR sensors, Bluetooth and legacy wireless devices can have a profound impact on a wireless network.

- ▶ RF Interference
- ▶ Measurement of SNR
- ▶ RF power peaks
- ▶ WiFi Channel interference
- ▶ WiFi Channel Overlap



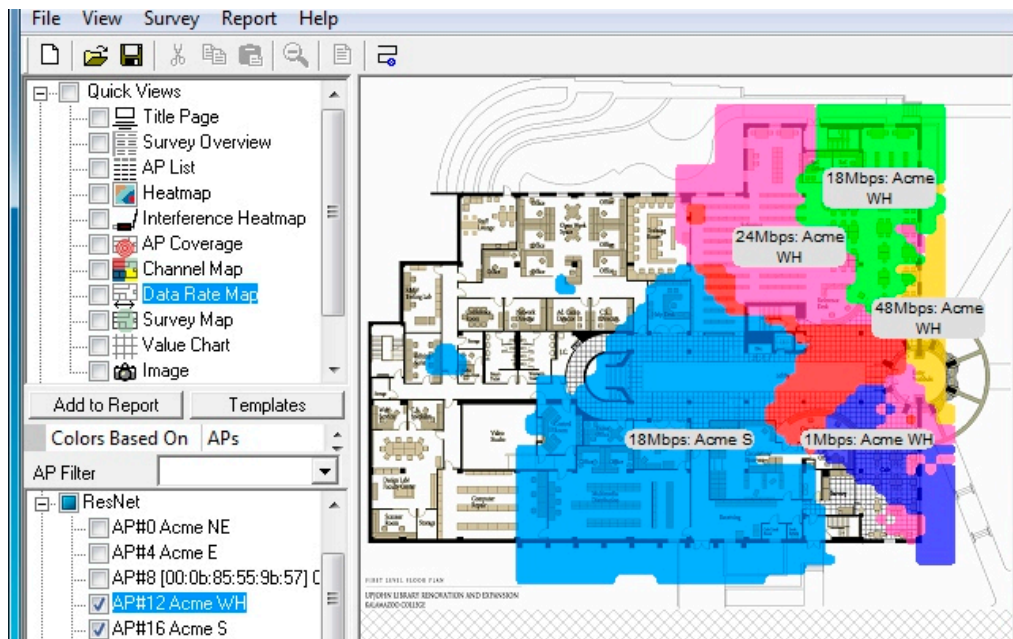
Wireless site surveys include the following:

- ▶ Detection, measure and recording of the presence of RF Interference that could degrade the performance of a wireless network.
- ▶ Calculate the WiFi supported data rates that can be expected throughout the premises.
- ▶ Access point locations.
- ▶ Wireless bridge locations.
- ▶ Antenna's and other wireless equipment.
- ▶ Co-location of WiFi access points with channel selection and reuse.
- ▶ Information such as; antenna selection, orientation and polarization.
- ▶ Look for signs of, reflection, refraction, multipath, hidden nodes, dead spots etc.

Wireless site survey documentation includes:

- ▶ Detailed information on the data gathered from the survey
- ▶ Photographs the location of all wireless equipment.
- ▶ Maps of the WiFi RF coverage.
- ▶ Details of RF interference.
- ▶ WiFi Equipment list.

Why take the chance of failing with a WiFi network before starting? Call the wireless experts, PT. Autojaya Idetech / PT. Solusi Periferal who deliver every expectation of a wireless network.



ACS GROUP

PT. AUTOJAYA IDETECH - www.autojaya.com
PT. SOLUSI PERIFERAL - www.solper.com

Jakarta : Perkantoran Gunung Sahari Permai #C-03, Jl. Gunung Sahari Raya No 60-63, Jakarta 10610 - Phone: +62 21 - 4208221 or 4205488 - Fax: +62 21 - 4207903, 4207904
Cikarang : Cikarang Square Blok E No. 62, Jl.Cikarang - Cibarusah Km. 40, Cikarang Barat - Bekasi - Phone : +62 21 - 29612366, 29612367 - Fax : +62 21 - 29612368
Semarang : Grand Ngaliyan Square, Blok B No.18, Ngaliyan, Semarang 50184 - Phone : +62 24 - 76638092, 76638093 - Fax : +62 24 - 76638096
Surabaya : Komplek Ruko Gateway Blok D-27, Jl. Raya Waru, Sidoarjo 61254 - Phone : +62 31 - 8556277(H), 8556278 - Fax : +62 31 - 8556279
Denpasar : Jl. Gatot Subroto I-XI, No.18, Denpasar, Bali 80239 - Phone : +62 361 - 419284(H) - Fax : +62 361 - 419315