



Go Wireless



Cosmos Business Systems has a high expertise in designing and implementing wireless networks and significant experience on professional wireless surveys. Wireless surveys can be used to either:

- **Plan and Design a new wireless network solution** that will deliver the required wireless coverage, data rates, network capacity, roaming capability and QoS.
- **Identify security and performance issues** in an existing wireless network

Cosmos Business Systems uses the “Ekahau Site Survey” for passive and active RF Site Surveys as well as for RF designs. Ekahau Site Survey is a comprehensive tool that assists during the entire life cycle of a Wi-Fi network.

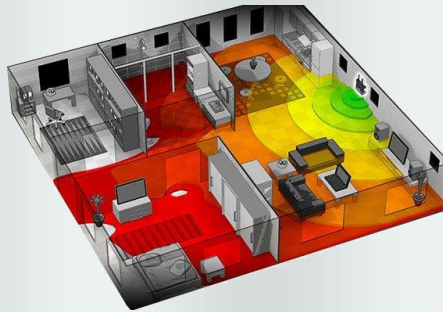


Ekahau's Wi-Fi site survey tool allows simple yet ultra-comprehensive validation of Wi-Fi network coverage and performance. It is optimized for all Wi-Fi brands, Cisco, HP - Aruba, Ruckus, Aerohive, Xirrus, Extreme, Siemens, Adtran, Avaya, D-Link, Meru / Fortinet, Juniper, Lancom, Meraki, Netgear, Samsung, Ubiquiti, Zebra, Zyxel and more. It integrates with Cisco NCS/Prime (through export/import processes)

The Ekahau RF Site survey results appear as visualizations. Visualizations are graphical representations of simulated (planning) or measured data (survey) overlaid on a floor plan that is imported by a user to depict the physical structure in which the wireless network is being or has been deployed. The graphical display helps the user understand and interpret the data more effectively than trying to decode an exorbitant amount of tabular data.

By using these best-in-class wireless planning and survey tools and following the best practices from main vendors (Cisco - Meraki, HP - Aruba, Fortinet etc.), **Cosmos Business Systems** can:

- **Identify optimum installation locations for access points** as part of the planning process, taking into account the network access range, interference from company or neighboring network, capacity needed per user, number of users in each area, mobility/roaming needed, Voice or Data communications, type of devices.
- **Identify and depict the location of Access Points** in existing installations.



- **Provide Visualizations (heatmaps) for planning purposes**, or visualizations describing the existing wireless network installation. The parameters which can be presented in such diagrams are: **Signal Strength, Signal-to-Noise Ratio, Channel Overlap, Data Rate, Throughput, Interference, Network Health, Airtime utilization** based on Capacity parameters and more.
- **Identify and avoid sources of RF interference** which could impact the operation of wireless networks (this may include microwave ovens, Bluetooth devices, unfiltered electrical appliances etc., proprietary 2.4 GHz wireless transmissions) as well as Rogue Access Points.
- **Provide recommendations to increase wireless network reliability.**



The cost for a physical Wireless Site Survey depends on the area that needs to be surveyed.

