

Signal MX[®] Module

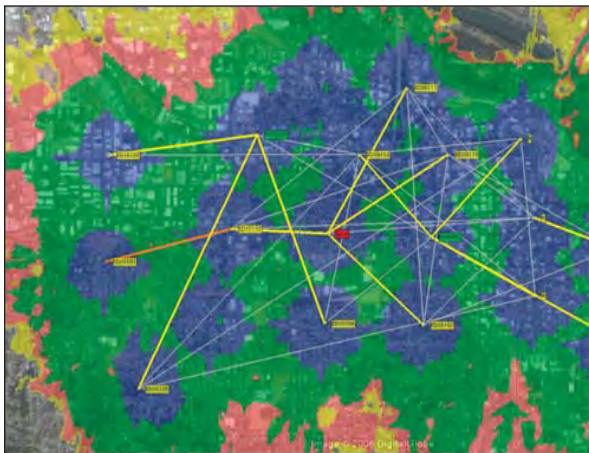
Automatic Traffic Loading

Model the traffic in your service area with more accuracy. Automatically calculate traffic loading on individual nodes based on real service areas and a selection of multiple service types. You can consider multiple service mixes such as voice, e-mail, web browsing, audio streaming, and video streaming.

Planning with Routing Information

In order to do meaningful traffic analysis on mesh networks, it is important to consider the routing techniques used by equipment. A generalized “fewest hops to the gateway” routing technique and distance limitation settings are included.

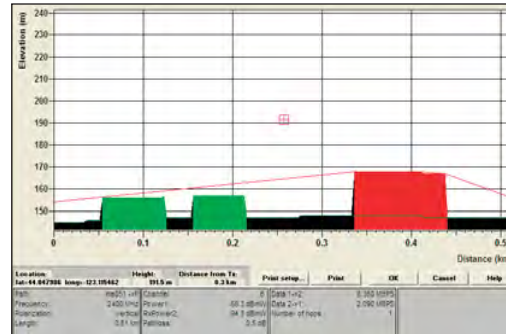
SignalMX also includes Application Programming Interfaces (APIs) that provide for proprietary routing algorithms to be used in your traffic analysis and what-if scenarios. Check with your equipment manufacturer to see if an EDX API is available for use with SignalMX.



Wi-Fi client coverage map with mesh routes to gateway/backhaul points (green labels). Links are colored by data rate. Also visible are alternate mesh paths that meet connectivity thresholds and an underlying Google[™] Earth image.

Path Profile & Quick Reports for Complete Details

With quick right-click commands, you can access path profile details that provide you with information about obstacles and clutter types along the link paths. You can also quickly generate a report that tells the power and path loss to the next AP, as well as the data rate in both directions and how many hops to the gateway.



Detailed path profile available with right-click commands.

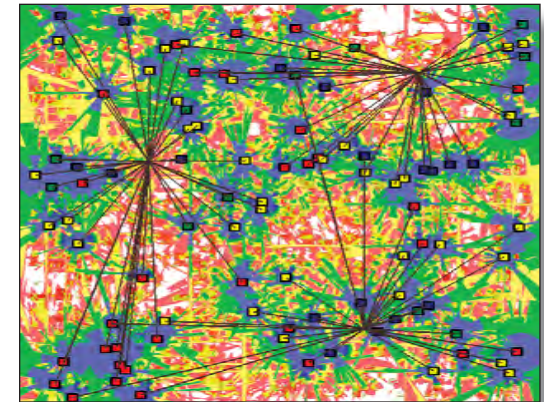
Complete Municipal Network Planning Tools

If you have EDX SignalPro with the Network Design Module, the carrier-class tool, you can also easily add APs at each Customer Premise Equipment (CPE) location or vice-versa when you are using fixed broadband networks for your internet gateway backhaul networks. This gives you a single tool that integrates the design work for your mesh client service, mesh interconnect (AP-to-AP), point-to-multipoint backhaul, consecutive point backhaul and also wide-area systems.

Studies and map views can be simultaneously displayed so that you can see the performance of multiple networks in a single study.

Modules

- **SignalProof[™]**
Toolkit for customer pre-qualification and call center support.
- **Building Editor:**
For importing and editing floor plans and outdoor building databases.
- **Microcell/Indoor Module:**
For use with EDX SignalPro or SIGNAL; optional module for microcell indoor and outdoor communication system design; features 2D and 3D ray-tracing models.



Multiple network performance displayed in a single view. Point-to-Multipoint backhaul system colored at CPE by performance results along with link lines to assigned server, overlaid on Wi-Fi gateway coverage study. Available only with EDX SignalPro[®].



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