

# Public Safety

IN MISSION CRITICAL ENVIRONMENTS, HAVING AN EFFICIENTLY DESIGNED NETWORK SAVES NOT ONLY TIME AND MONEY, BUT LIVES

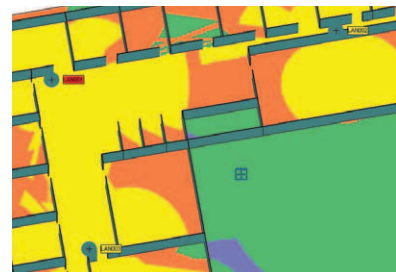
The EDX SignalPro® package provides the tools you need to accurately model Mission Critical networks, giving results that matter in the field.

With support from 30MHz to 100GHz across all types of networks including P25, TETRA, and LTE systems, EDX's unparalleled experience delivers the results your radio design, engineering, and administrative departments demand. From new network deployment and system upgrades, to field-deployed solutions, SignalPro's accurate representation of your network offers the insight into coverage, performance and loading that was previously unavailable to Mission Critical applications.

In addition, SignalPro has been tailored to meet the needs of public safety networks as they evolve into multi-layered, multi-technology systems. This includes the integration of LTE systems with legacy P25 networks in which coverage and reliability can easily be compared for overlays or network expansions. Furthermore, SignalPro ensures the in-building communication often required in Mission Critical networks with propagation models that provide accurate predictions for indoor, outdoor and outdoor-to-indoor system design.



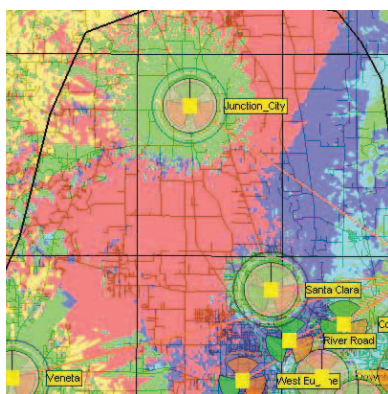
Powerful visualization



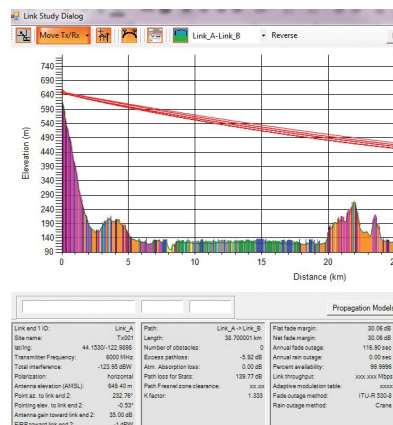
In-building study

# EDX Solutions

SIGNALPRO WITH THE LTE MODULE IS A COMPLETE NETWORK PLANNING TOOL FOR MISSION CRITICAL NETWORKS



Coverage study



Complete path profiles

## SignalPro

EDX SignalPro is a comprehensive engineering tool that supports the planning of P25, LTE, point-to-point and point-to-multipoint, backhaul, in-building DAS, Mesh and much more.

### Indoor/Outdoor Studies

Model indoor, outdoor and combined indoor/outdoor systems while managing building data and floorplans in SignalPro.

### Point-to-Multipoint

The area/coverage studies available in SignalPro can also be used for point-to-multipoint network architectures – showing RF performance from a server to each point.

### Route Study

Check system performance over a roadway, rail line or flight plan by running an area study to specific points along a 2D or 3D route.

### Area/Coverage Studies

SignalPro includes an extensive list of area coverage studies that fit any application, utilizing nearly two dozen industry standard and proprietary propagation models.

### Full Point-to-Point Analysis

Adjustable parameters allow you to add environmental factors and enhance link studies while an interactive display provides real-time analysis.

## LTE Module

Adding the LTE Module onto SignalPro provides a feature set to plan not only LTE networks, but design and optimize multiple systems in the same service area as well as backhaul.

### Specialized Area-Wide Studies

The LTE Design Module includes more than 20 area studies specific to LTE design including CQI, adaptive modulation data rate, RSRP/RSRQ, uplink C/(I+N) and much more.

### Traffic Loading

Traffic is automatically weighted and distributed based on a number of service definitions and market criteria.

### LTE PCI (Cell ID and Cell Group ID) Planning

User-programmable naming conventions provide either automatic or manual assignment.

### Neighbor List

Calculations based on received power or best channel for most likely servers (interference sensitive).

### Automatic Frequency Planning

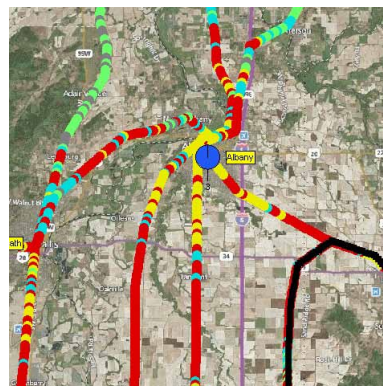
Assigns high-traffic demand sectors based on calculated or measured traffic data.

### LTE Capacity Analysis

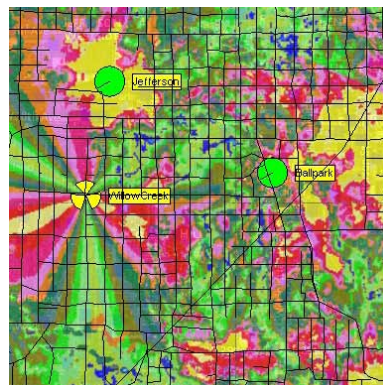
Robust uplink and downlink analysis for multiple service levels and scheduling techniques that consider many user and system characteristics.

### LTE Fixed Multipoint Design

Comprehensive feature set for the planning and visualization of LTE fixed Broadband Wireless Access and integrated backhaul networks.



Route study



LTE area study



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