

# Broadband

DESIGN, DEPLOY AND OPTIMIZE BROADBAND WIRELESS NETWORKS  
WITH SIGNALPRO® - THE INDUSTRY LEADING SOFTWARE SOLUTION

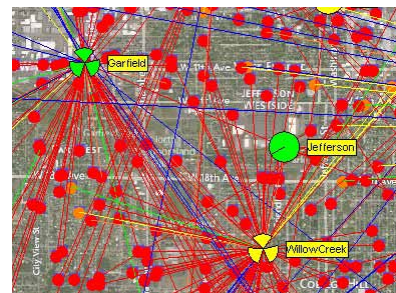
Broadband wireless service providers demand accurate signal models, complete with throughput rates and quality of service for their coverage areas. Using the EDX SignalPro software platform you can see every aspect of your wireless network; from uplink characteristics on modeled networks to overall coverage areas.

With a vendor agnostic approach to network equipment and functionality, the power of SignalPro quickly comes to life no matter what hardware platform you use. Integrated support for nearly every type of modulation format and support for frequencies from 30MHz up to 100GHz allow you to model and design all types of broadband wireless networks. The platform is scalable and customizable for networks of any size and requirement, while intuitive functionality allows engineers to query study results, analyze demographics and utilize measurement data. A seamless visualization of service areas, network assets and simulated performance along with robust 3D service area modeling capabilities provide a unique and thorough network design experience. The capabilities of SignalPro can be further enhanced through several specialized network planning modules that accommodate any service area environment.

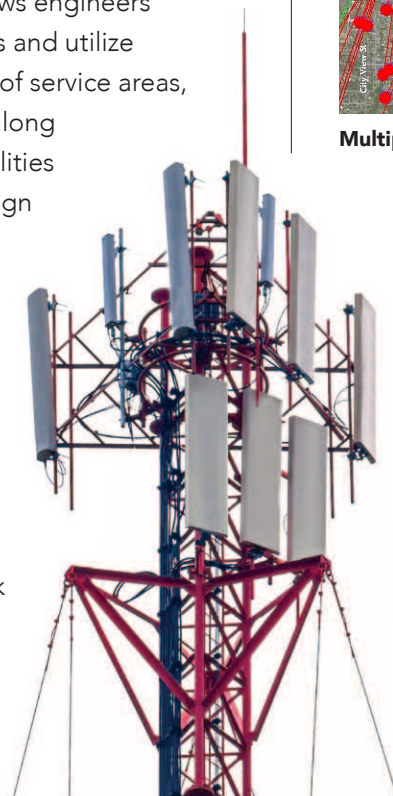
Offering support for a growing range of technologies and system architectures, SignalPro is a versatile and comprehensive solution for all advanced broadband network design requirements.



**Powerful visualization**

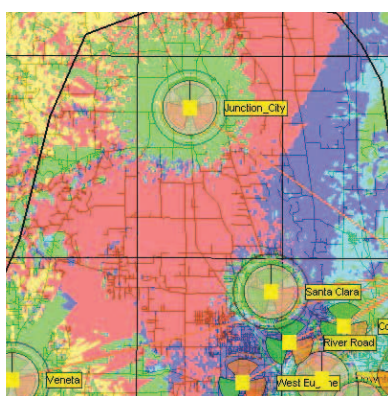


**Multipoint design**

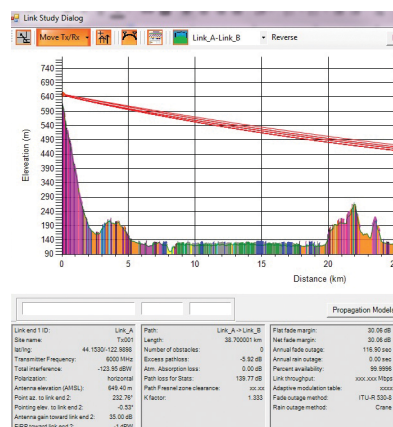


# EDX Solutions

EDX OFFERS COMPREHENSIVE AND FULLY FEATURED  
RF PLANNING SOFTWARE FOR AN ALL-IN-ONE DESIGN SOLUTION



**P25 study**



**Complete path profiles**

## SignalPro

EDX SignalPro is a comprehensive and fully featured RF planning software suite offering all the study types needed to design wireless networks, including; area studies, link/point-to-point and point-to-multipoint, route studies and in-building coverage analysis. With advanced network design capabilities and support for virtually any hardware type, frequency and system architecture, SignalPro is the engineer's tool of choice for designing Broadband, LTE, Mobile/Cellular, Mesh, Small Cell, in-building DAS, LMR, WiMAX and more.

## LTE Module

Adding the LTE Module onto SignalPro provides a feature set to design not only LTE networks, but plan and analyze multiple systems in the same service area as well as backhaul. The LTE 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. With these capabilities, combined with powerful automatic channel and PCI assignment tools, high-performance LTE systems can be easily designed and analyzed using SignalPro with the LTE Design Module.

## Mobile & Cellular Module

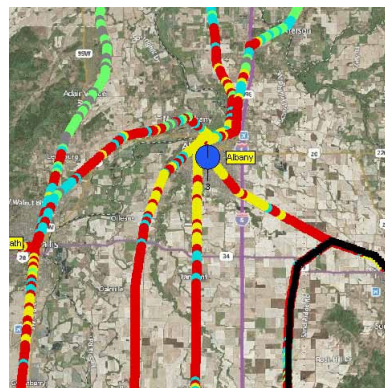
The Mobile/Cellular Module is an add-on module to EDX SignalPro for designing, deploying and optimizing mobile and cellular networks. This platform allows engineers to determine cell site location, analyze system capacity and gauge system evolution with changing traffic patterns. Included are specialized area studies and advanced network planning features such as traffic loading analysis, automatic system layout, automatic frequency planning and more. The Mobile/Cellular Module also supports the planning of Positive Train Control (PTC) systems for a complete network planning tool.

## WiMAX Module

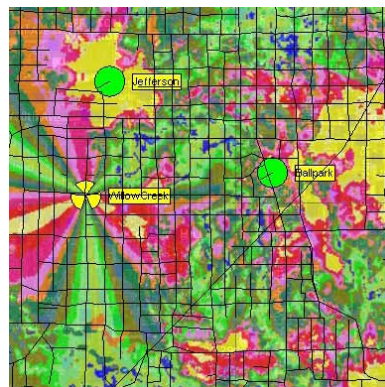
The WiMAX Module is an advanced network planning module that can be added onto SignalPro for the design of fixed and mobile WiMAX networks. The WiMAX Module includes specialized area studies such as Uplink & Downlink Adaptive Modulation Data Rate, C/(I+N) based on strongest server, Average and Maximum Uplink and much more. The automatic frequency planning, traffic loading and capacity analysis, along with other advanced network planning features, make the WiMAX Module ideal for all stages of system design from initial deployment through network maturity.

## Multipoint

The LTE, Mobile & Cellular and WiMAX modules add an extensive feature set for the planning of multipoint and integrated backhaul networks. Adding any one of these modules to SignalPro provides automatic layout and assignment capabilities as well as full downlink/uplink interference analysis for multipoint and backhaul planning.



Route study



LTE area study



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