



GE VERNOVA

GRID SOLUTIONS

# PROPAGATION STUDY AND WIRELESS NETWORK DESIGN

Design your network right, the first time.

Performing a preliminary propagation study is crucial to understanding the optimal design for your network. Let GE Vernova engineers review your network landscape to better understand the optimal design for your application.

## Key Benefits

- Provides optimal network performance with a comprehensive understanding of your throughput, distance, and link reliability
- Provides an efficient network design by understanding the signal levels in each location
- Provides accurate modeling with user coverage area in mind
- Cost savings through maximizing uptime and reduced number of truck rolls.
- Cost effective investment for a quality, robust wireless network design
- State of the art EDX SignalPro software allows us to quickly compare measurement data and analyze system performance, providing you with a comprehensive report in a timely manner

## Key Features

- Simulated with high resolution digital terrain and ground clutter databases to predict radio link quality
- EDX SignalPro software is hardware and vendor agnostic and supports systems from 30MHz to 100GHz
- Creates accurate models of any surface area, including terrain, land-use building, vegetation, and more
- Equipped to handle large networks that contain any number of transmitters, devices, or nodes (1M+ devices)



## Available Reports

- **Area Studies**  
Maps of predicted areas of coverage from 1 or more AP's to a default remote
- **Path Profiles**  
Maps of path elevations, ground clutter, Fresnel zones, with link budgets
- **Point-To-Multipoint Studies**  
Maps of predicted signal levels from 1 or more AP's to multiple remotes with more than one configuration
- **Google Earth overlay**  
Propagation study exported to google earth format

## Wireless Network Design

- Wireless network designed to 99.999% availability
- Provide comprehensive report with everything needed for a fully optimized wireless network

For more information  
visit **GEGridSolutions.com**

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