

WiMAX Module

AN ADD-ON MODULE TO SIGNALPRO® FOR THE DESIGN, DEPLOYMENT AND OPTIMIZATION OF FIXED AND MOBILE WiMAX NETWORKS

The WiMAX Module includes specialized area studies and advanced network planning features such as automatic frequency planning, traffic loading, capacity analysis and much more; making it ideal for all stages of network design from initial deployment through network maturity.

Automatic Frequency Planning

Perform demand-based automatic frequency planning with the included channel plan templates or imported channel plans.

Traffic Loading

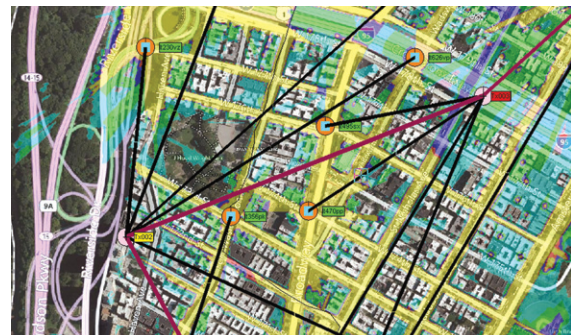
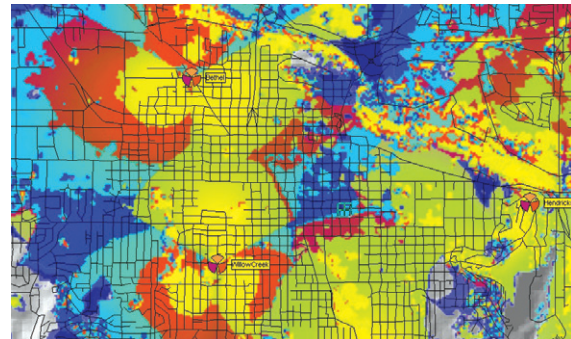
Automatically calculate traffic loading on individual sectors based on real service areas and a selection of service types.

Capacity Analysis

Perform uplink and downlink capacity analysis for multiple service levels that consider many user and system characteristics.

Point-to-Multipoint

Automatic layout and assignment capabilities as well as full downlink/uplink interference analysis for multipoint/backhaul planning.



Specialized Area-Wide Studies

- Uplink and downlink adaptive modulation data rate
- Uplink and downlink WiMAX OFDMA modulation regions
- WiMAX average and maximum uplink $C/(I+N)$
- $C/(I+N)$ based on strongest server or best channel
- Handoff regions
- And many more