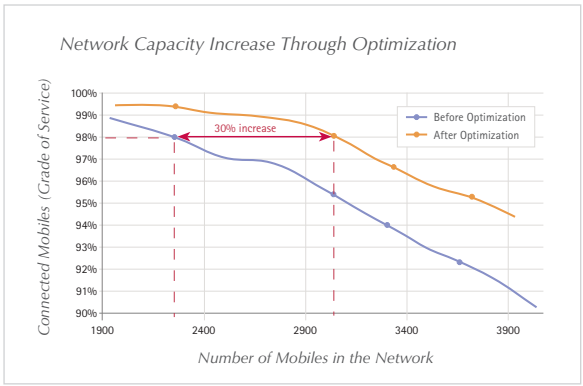
MAXIMA OPTIPLANNER™

CELL PLANNING AND OPTIMIZATION FOR CDMA/EV-DO NETWORKS

OVERVIEW

Maxima OptiPlanner™ is an automatic cell planning and optimization product that generates optimal cell parameter configurations based on user-defined goals for quality, capacity and coverage within budgetary constraints. Maxima OptiPlanner™ is a uniquely comprehensive solution that optimizes a wide range of key network configuration parameters such as antenna location, type, tilt, azimuth and power settings.

Maxima OptiPlanner™ substantialy improves network performance, resulting in significant CapEx and OpEx savings from the first stages of network planning.



KEY BENEFITS

- Unleashes additional network capacity and substantially reduces infrastructure costs by reducing interference and balancing traffic, deferring the need to roll out additional sites or add carriers
- Optimizes the network to best facilitate the introduction of new data services, saving time and money
- Optimizes new sites and their surrounding neighbors, lowering OpEx by significantly reducing cell planning time and eliminating human error factors from the planning and optimization process

FEATURES

- Improves coverage and quality of large network areas simultaneously, enabling a complete overview of the entire network, not just site-by-site
- Projects future network performance based on predicted traffic growth
- Compatible with other network planning tools and can be fully integrated with the RF engineers' daily optimization workflows

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FOR MORE INFORMATION
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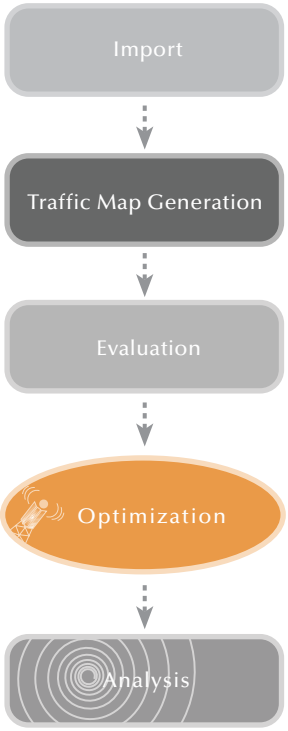


WORKFLOW

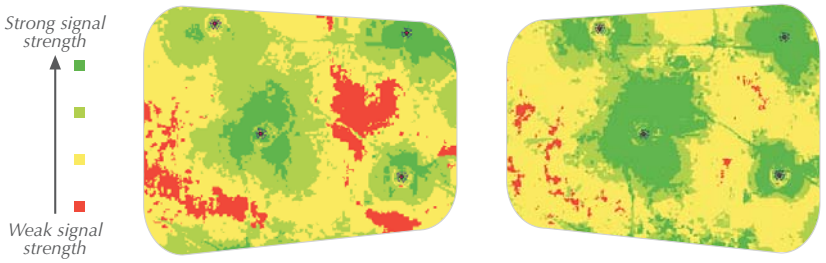
Importer – imports into Maxima OptiPlanner™ current network configuration, propagation data, survey measurements, network settings and statistics in order to effectively model and optimize network design.

Traffic Map Generator – defines traffic scenarios for the modeled network environment (actual traffic or 'what if' scenarios), creating accurate representations within the modeled network.

Evaluator – simulates predefined traffic over the modeled network in order to ascertain that the network is modeled correctly prior to optimization.

Optimizer – automatically generates an optimal network configuration according to predefined optimization goals. The process of network optimization, simulation and evaluation is continuously repeated until an optimal configuration is found. Maxima OptiPlanner™ optimizes site location, antenna electrical and mechanical tilts, azimuth, type and sector power settings.

Result Analysis – once an optimal network configuration is achieved, it may be analyzed and compared to existing or other network configurations using state-of-the-art comparison techniques that demonstrate benefits introduced during optimization.



Coverage before optimization

Coverage after optimization

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