



# ACCURA OPTIPLANNER™

PLANNING, SIMULATION AND OPTIMIZATION  
FOR WIMAX MOBILE/LTE NETWORKS



### OVERVIEW

Accura OptiPlanner™ is a Radio Access Network (RAN) simulator & optimizer for 4G wireless networks which is based on the IEEE 802.16e standard (an extension of WiMAX). This highly advanced product enables operators to evaluate the possible behavior and performance of emerging networks and their unique characteristics while optimizing network capacity & coverage based on the existing 2G-3G network.

Accura OptiPlanner™ supports a wide spectrum of configurations and physical profiles as well as interfaces for implementation of different algorithms such as RRM, sub channel allocation and others. The product enables the operator to estimate the impact of physical configurations and algorithm implementation on the network's performance and capacity.

Accura OptiPlanner™ is fully integrated with ray tracing propagation modeling tools and can be used for 4G network planning, evaluation and optimization.

### KEY BENIFITS

- Optimizes network configurations such as antenna location
- Optimizes cell parameters relating to subchannel allocations
- Simulates performance of high speed data applications and VoIP through optimization of parameters
- Improves throughput and Quality of Service (QoS) performance
- Reduces CapEx and OpEx by optimizing number of sites during network deployment
- Offers multi-vendor support – using WiMAX standard and open interfaces
- Allows adjustment of algorithms according to any vendor's implementation and its impact on network behavior



# ACCURA OPTIPLANNER™

## KEY FEATURES

- Network physical profiles are changeable
- RF conditions of the OFDMA link are simulated for all distributed mobiles
- Frame structures are calculated per link
- Sub channel allocations are simulated according to per sector parameter configurations and boosting
- Available level of service is calculated for all applications
- Downlink and uplink are both simulated
- Coexistence of 3G and 4G networks is supported
- Provides GIS maps for performance parameters
- Operates based on pre-defined traffic conditions

## WORKFLOW

