



Motorola BroadbandPlanner SE Respond to RFPs and Design Point-to-Multipoint and Mesh Networks with Confidence

BroadbandPlanner SE is a powerful and efficient tool that helps you respond to RFPs and design Motorola Wireless Network Solutions that include Mesh Wide Area Network and Point-to-Multipoint products. BroadbandPlanner SE's advanced RF modeling engine and integration with Google Earth enable you to propose wireless network solutions with confidence and deploy them with maximum efficiency. Optimizing network designs is easy with views that show optimal equipment locations, signal strength heatmaps, optimal urban-canyon remote access point locations and terrain obstruction path profiles.

THE MOTOROLA ONE POINT WIRELESS SUITE

The Motorola One Point Wireless Suite helps deliver wireless networks with optimal coverage, capacity and performance. The suite includes six powerful elements – BroadbandPlanner, PTP LINKPlanner, LANPlanner, Wireless Manager, RF Management Suite and the AirDefense Solutions – that allow for the streamlined design, deployment, management and security of Motorola wireless networks from their inception through ongoing operations.

BroadbandPlanner SE helps partners and system integrators create an integrated Mesh and Point-to-Multipoint network design that delivers superior coverage, ample capacity, high performance and that effectively:

- win project bids by efficiently and easily creating RFP responses that are accurate and optimized
- save time in deployment by minimizing trial and error caused by inaccurate network designs and by being portable enough to take in to the field

BroadbandPlanner SE is an ideal solution for wireless partners serving enterprises and government organizations wishing to provide municipal applications to public safety teams, city workers and private citizens.

Predictive Design

Motorola has developed BroadbandPlanner SE as a powerful, easy-to-use and cost-efficient network design tool optimized for planning and measuring networks for Mesh and PMP solutions. BroadbandPlanner SE quickly estimates the number of access points (APs) needed to achieve mesh network and PMP coverage and capacity requirements. With the benefit of this predictive design planning, organizations can eliminate guessing from equipment requirements and deployment costs.

DATA SHEET

MOTOROLA BROADBANDPLANNER SE



Top Image: Mesh Network Design showing Coverage Heatmap
Bottom Image: Dynamic Path Profiler showing terrain and clutter heights

Recommended Hardware:
Laptop or Desktop
Windows XP or Vista
RAM: 3 GB or greater
Processor: Dual Core 2+ GHz

RF-Intelligent Map

Whether completing a budget estimate or generating a full design after being awarded a project, the designer creates an RF intelligent map in BroadbandPlanner SE that considers the impact of the physical environment on wireless signals. Designers can use shapefiles or land clutter data to represent the environmental factors; BroadbandPlanner SE transforms these files into RF obstructions with attenuation values and height.

Superior Visualization

Through BroadbandPlanner SE's native UI as well as its rich Google Earth export capabilities, designers are able to see the network, including AP and SM mounting points and link paths, superimposed on the actual terrain in which the network is to be deployed. These visualization capabilities make it easier to communicate with customers about a planned network, and making adjustments to the network design is also easier and more intuitive.

Dynamic Path Profiler

The BroadbandPlanner SE path-profiling tool enables designers to zero in on bottlenecks that are causing predicted performance to deteriorate. With a dynamic color-coded view of terrain and clutter height along the current link path, designers can see exactly what's in the way – from tall buildings to hilly terrain to dense foliage – and can adjust the path to achieve the desired performance. The path view changes as the path end-point is moved.

Reporting Options

BroadbandPlanner SE has a variety of reporting options that enable professional presentation of the software's output. For example, the designer can export designs and visualize them in Google Earth. This capability replaces static screen shots with dynamic viewing of information on a map of the area and enables easy information sharing about initial design, periodic updates and the signal level being delivered by the network.

Compatibility

The highly versatile BroadbandPlanner SE supports all Motorola Point-to-Multipoint and Mesh products.

FEATURES	BENEFITS
Integrated Mesh and Point-to-Multipoint Design	Save time by planning Mesh and Point-to-Multipoint network layers together in one design tool. All Motorola Mesh and PMP products supported: up to 50 Mesh nodes and 4 PMP AP clusters (unlimited SMs).
Powerful and Fast RF Predictions	Create fast and accurate RF performance predictions, which utilize terrain height as well as urban, environment and foliage clutter information.
Google Earth Visualizations	Create credible and compelling proposals with pan/zoom enabled network visualizations in Google Earth.
Optimal Equipment Placement Workflow	Easily choose the best equipment locations for Mesh nodes and Point-to-Multipoint access points and subscriber modules, as well as the best access point for each subscriber module.
RSSI Heat-map Workflow	Quickly see the expected signal strength for a Point-to-Multipoint subscriber module in the RSSI heat-map view rather than sending a service van to the location.
Network Nodes Workflow	Click and drag PMP or Mesh network devices and dynamically see the impact on predicted performance for all affected links.
Dynamic Path Profiler	Zero-in on bottle-necks by viewing the terrain and obstruction profile between any two points on the map.
Platform Compatibility	Use with Windows XP/Vista. Convenient field portability through use on a laptop.

BroadbandPlanner SE Software | Part Number: RVN5255A



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G3-26-101