

RF Design

Design RF, analog, and digital circuits on the same PCB

Mentor's RF design solution provides an industry-first integration of PCB design and RF circuit design. Within the Xpedition® Enterprise flow, designers can now enter schematics, perform all layout tasks, and prepare data for manufacturing when designing with RF circuits. RF circuits can be bi-directionally transferred to Agilent ADS and AWR using the dynamic link.

No more schematic "black boxes;" Xpedition produces true RF schematics in system-level design. To fully support RF designs, Xpedition Enterprise has been designed to understand RF, not just translate the design. The library is synchronized with the circuit-simulation model counterpart in the RF simulation environment to ensure that their behavior is identical.

Eliminate manual data transfer with dynamic integration between Mentor PCB design and industry RF simulation tools

Enable globally dispersed team collaboration with concurrent schematic and layout design

PCB and RF environment libraries both understand RF elements and stay in sync throughout the design process

Modify parametric RF elements within PCB layout to optimize space efficiency

Instant simulation access from schematic or layout any time during design with dynamic link

FEATURES & BENEFITS

- Cuts number of design cycles
- Dramatically cut cycle time for system level RF design
- Local RF library supports variety of commonly used RF elements for microstrip, stripline and multilayer RF designs
- Local system level design database
- Dynamic link to Agilent and AWR tools: no manual interface
- Instant simulation access from schematic or layout any time during design with dynamic link
- Circuit netlist sent from schematic or layout over the dynamic link for faster simulation
- Simulate any design object by sending EM simulation data to the Agilent or AWR tool
- Re-use RF circuits in other designs
- Design RF in parallel using Xpedition concurrent team design capability