

WIPL-D Pro V12

released!

*From small to large
From simple to complex
From near to distant*

New:

- Excitation of the structure by user defined sets of current sources
- Extended limits for low-frequency analysis and the analysis of small details in complex structures $\sim 1/1,000,000,000$ wavelength
- Improved multi-core CPU parallelization of matrix fill – efficiency is enhanced to 90% for 40 cores
- Parallelization of the excitation and near/far field calculations by field generators which enables usage of up to 100,000 sources

Improved specification of distributed loading: assignment to the objects (in addition to wires and plates) and ability to copy and re-numerate defined loadings

Highly efficient simulation of transparent multi-layered radomes excited by directed arrays of field generators - reduction of the number of unknowns for an order of the magnitude

... and many other new features

Features:

- Full 3D EM simulation in frequency domain
- Metallic, dielectric and magnetic materials
- Lumped elements and distributed loadings
- Add-ons: GPU Solver, Optimizer, Time Domain Solver, Circuit solver (Microwave) and 2D solver
- Applications: antenna design and placement, scatterers, microwave circuits and waveguides, EMC ...

