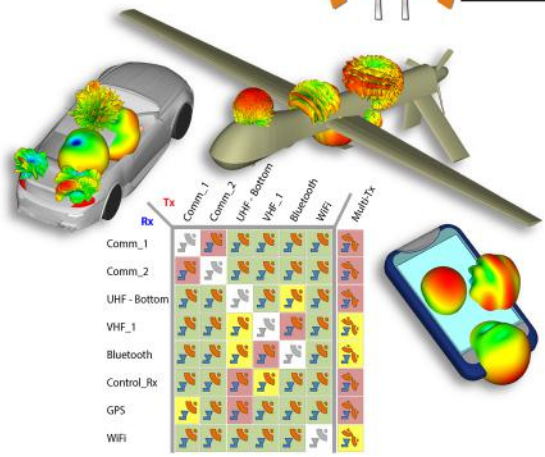
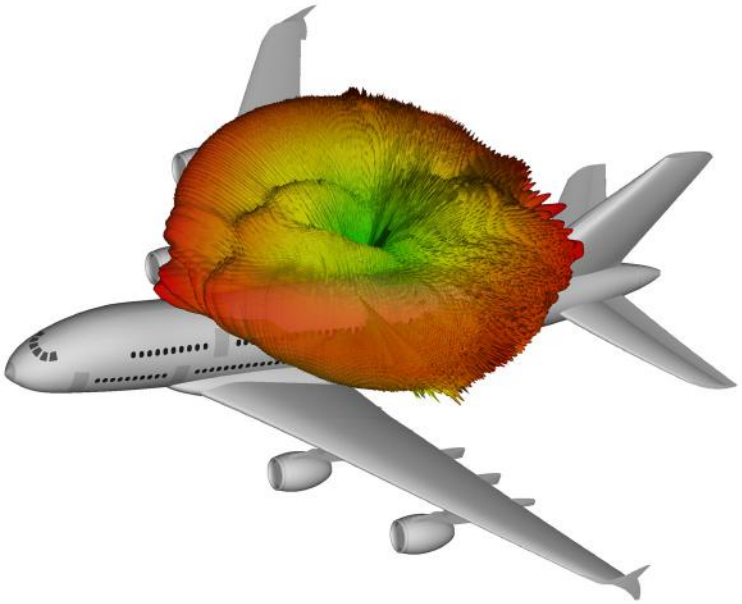
ANSYS®

ENTUPLE TECHNOLOGIES

EMIT



EMIT is simulation software used to predict electromagnetic interference (EMI) in complex RF environments containing multiple RF systems that must operate simultaneously. EMIT 4.0 represents a revolutionary advance in cosite interference analysis providing a host of new features and enhancements for usability, computational efficiency and results diagnostics.
EMIT provides a framework for managing RF system performance data, simulating cosite and coexistence EMI effects, and mitigating EMI issues, resulting in a complete model maintainable over the life of a multi-RF system platform or vehicle. It takes a unique multi-fidelity approach to predicting RF cosite/coexistence interference to provide rapid identification and "root-cause" analysis of EMI issues in complex RF environments.



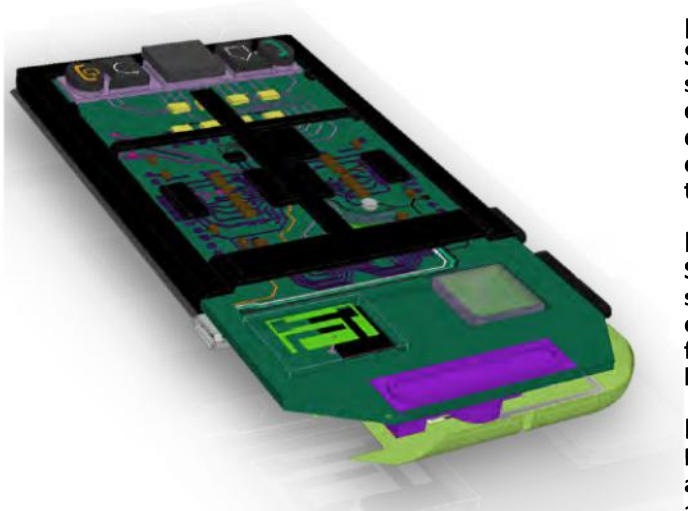
savant GPU

Savant provides highly efficient EM analysis of antennas on electrically large platforms. Using the highly efficient Shooting and Bouncing Rays (SBR) technique, Savant yields full antenna scattering prediction for geometries that are thousands of wavelengths in size, computing:

- Far-field radiation patterns
- Near-field distributions
- Antenna-to-antenna coupling

Savant picks up where full-wave solvers leave off, solving electrically large problems efficiently and accurately.

ANSYS HFSS



ANSYS simulation technology enables you to predict with confidence that your products will thrive in the real world. Customers trust our software to help ensure the integrity of their products and drive business success through innovation.

Industry Standard Full Wave, Electromagnetic Field Simulation : HFSS sets the gold-standard for accuracy, advanced solver and high-performance computing technology, making it the 'go to' tool for engineers designing high-frequency and high-speed electronics found in communication systems, radar systems, satellites, smart phones and tablet devices.

Rigorous Validation:

Sign-off quality high-frequency EM results that allow customers to simulate and go straight to manufacturing. With HFSS, engineers can extract parasitic parameters (S, Y, Z), visualize 3D electromagnetic fields (near- and far-field) and generate Full-Wave SPICE™ models that link to circuit simulations.

Easy to Use, Versatile and Fast:

Features such as automatic adaptive meshing, versatile design entry and advanced high-performance computing technology put analyst-quality solvers in the hands of the designer.

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