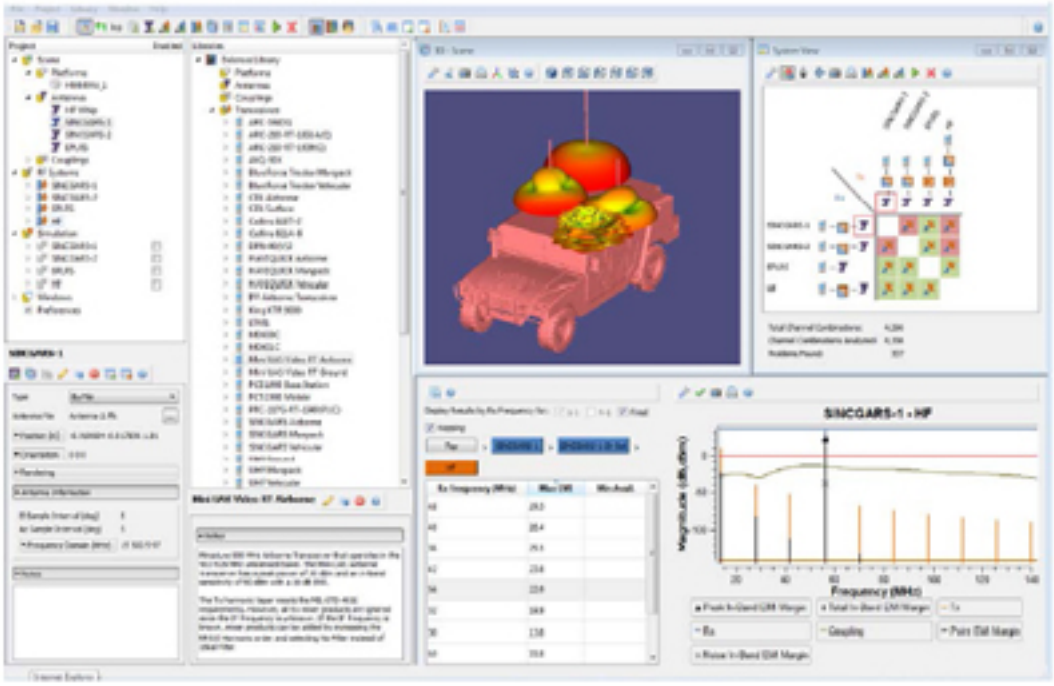
Software designed for cosite simulation and management of installed RF systems



Delcross Technologies announced the release of its EMIT (Electromagnetic Interference Toolkit) Version 3.3 software. Among the new features in this new release are 23 new pre-defined transceiver, receiver and transmitter definitions.

EMIT is a software framework for cosite simulation and management of installed RF systems. These RF systems may consist of multiple receivers, transmitters, antennas, interconnection components and installation platforms. EMIT manages installed RF system performance data, simulates intra-system RF EMI effects, and mitigates EMI issues, resulting in a comprehensive database/model maintainable over the life of a host platform. It also uses antenna-to-antenna coupling measurements, or simulation data from the Delcross Savant software for installed antenna performance analysis. A seamless integration with CST STUDIO SUITE also enables efficient, error-free import of antenna modeling data from CST’s family of high frequency EM software products.

EMIT V3.3 introduces 23 new predefined radio definitions to the EMIT system library, reducing the setup time for many cosite analyses. Radio definitions include both architectures and programing: channel definitions, channel bandwidths, modulation type, noise levels, spectral profiles, power levels, MDS, intermodulation, harmonic and mixer products, frequency hopping definitions, and other key system parameters which influence the spectral behavior of RF systems. A total of 49 predefined radios are now packaged with EMIT, providing an integrated library of existing transceivers, receivers and transmitters.

In addition to new RF system definitions, a number of performance and visualization enhancements have been added, offering a significant speed-up when working with large projects.

www.delcross.com [1]

Source URL (retrieved on *10/23/2014 - 10:48am*):
http://www.ecnmag.com/product-releases/2013/06/software-designed-cosite-simulation-and-management-installed-rf-systems

Links:
[1] http://www.delcross.com