# Fast Electromagnetic Analysis Suite (FEMAS)

EMS+

2D Cross Section (2DXS) Analysis Tool

The FEMAS 2D Cross section (2DXS) analysis tool is an extremely powerful, yet inexpensive and easy to use tool to find impedance, coupling, and s-parameters for various printed circuit board (PCB) and cable cross sections. Metal and dielectrics can be specified and even lossy materials used for this analysis. RGLC matrices can be found as a function of frequency, converted to S-parameters and seamlessly integrated with other FEMAS tools.

2DXS uses an automatic mesh generator and a powerful finite element solver to find the solution to either the standard cross sections or any user defined cross section. Users can view and refine the mesh if desired, or allow the automated meshing to proceed without user interaction.

In addition to the RGLC and S-parameter outputs, users can view many different types of results, including electric and magnetic fields, characteristic impedance and many other parameters.
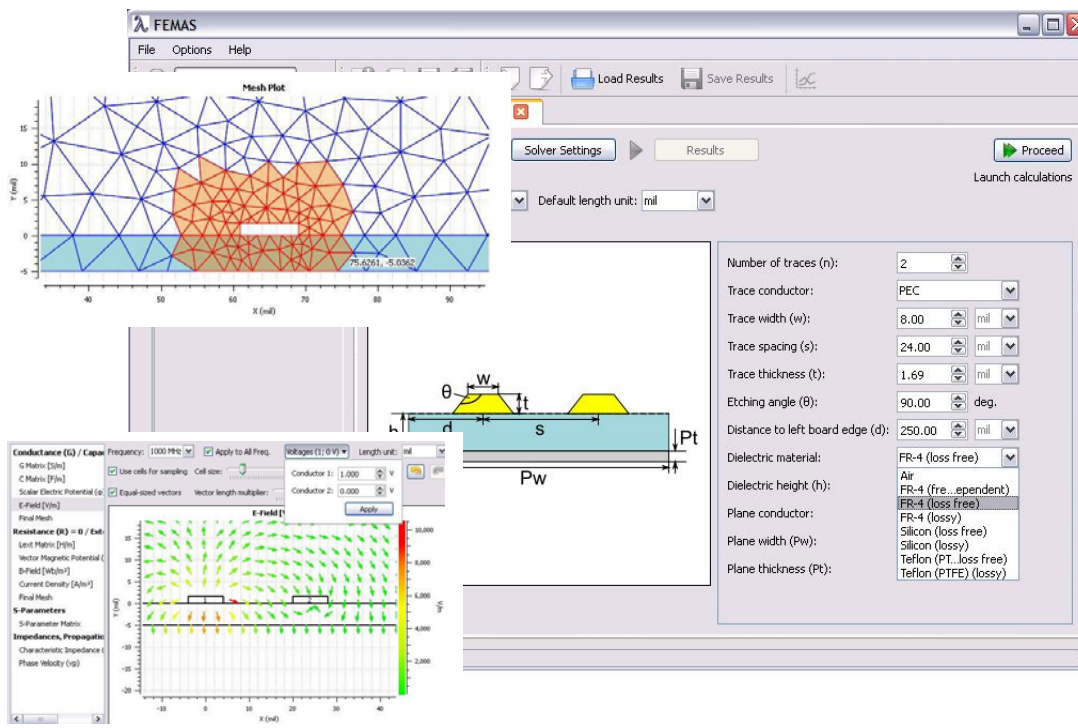
For more information contact info@MossBayEDA.com