

Release Note for EMPIRE XPU™ 7.60

New Features

- Circuit Simulation: near and far field superposition
- Substructure: simplified conformal mapping based on LCS
- Substructure: increased encryption security for read protected parts
- MIMO antennas: envelope correlation coefficient
- History in Boolean operations, keeping parameters
- 2D Plot: results versus sweep parameters
- 2D Plot: energy versus time step
- Postprocessing equation: find minima of S-parameters
- Simplified source file selection in postprocessing equations
- Dielectric loss optimization for target frequency
- Upper limit for number of optimization trials
- Field Monitor templates and preset capability
- Far field cut preview in design mode
- SMD setup wizard
- Near field display with user defined colors and equi lines
- Wire port support for LCS
- Selectable background material
- Anisotropic scale function
- Selection of similar and non-similar objects
- Component zoom
- Functions open group / open object
- STL export of far field pattern
- New group mesh level: bounding box
- New templates: Coupled Line Filter
- New tutorials (conformal mapping, filter synthesis, CAD import)
- Additional help page buttons

Changes

- "Save & Preprocess" replaced by "Preprocessing" button in Simulation Control
- Far field normalization menu
- PGA enabled for new projects
- Default installation path without spaces
- New engine for Boolean operations
- Revised body model property menu
- Save view including current zoom
- File save including substructures
- Copy group including name
- SMD pads detachable
- Enhanced import of vendor projects
- GDS import: all library element selection
- Improved ODB++ and Gerber import
- Update InterOp + VizExchange to 2018.1.0.0