Sonnet® Suites™ Qualified for GLOBALFOUNDRIES® Advanced FinFET Process Technology

Highlights:

Sonnet's electromagnetic simulation software suite has been qualified on GLOBALFOUNDRIES 12nm FinFET (12LP^{TM}) process.

Syracuse, NY — (BUSINESS WIRE) — April 2, 2019— Sonnet Software, Inc. announced today that its electromagnetic (EM) simulation suite, utilizing their industry leading analysis engine, *em*®, has been qualified on GLOBALFOUNDRIES (GF) 12nm FinFET (12LP^{TM}) process technology. Designers can take advantage of Sonnet's trademark accuracy for EM simulation while working with today's demanding manufacturing processes, ensuring a faster design to market timeline.

Sonnet's *em*® was used for the qualification of GF's 12LP process with RFIC spiral inductors for the stack-up metal options of 2, 9, and 13, demonstrating agreement with on-wafer measurements up to and greater than 100 GHz.

"Our collaboration with GF has allowed Sonnet to bring engineers around the world the capability and precision needed for their advanced circuit designs using GF's leading-edge 12LP technology process," said Dr. Brian Rautio, COO of Sonnet Software, Inc. "This world-class collaboration allows designers to bring the accuracy and reliability of Sonnet's EM analysis software to bear on the most up-to-date manufacturing processes, ensuring a much faster design cycle, from conception to final product. Sonnet has met or exceeded GF's qualification criteria, with Sonnet's simulation data comparing to silicon measurements or PDK models."

Availability

Sonnet stack-up files are currently available from GF for the v1.0_1.0 version of the 12LP process PDK.

About Sonnet

Sonnet's Suites of high-frequency electromagnetic (EM) Software are aimed at today's demanding design challenges involving predominantly planar (3D planar) circuits and antennas, accurately modeling any number of layers of metal traces embedded in stratified dielectric material. Sonnet Suites develops precise RF models (S-, Y-, Z-parameters or extracted SPICE model) for planar circuits and antennas. The software employs a rigorous Method-of-Moments EM analysis based on Maxwell's equations that includes all parasitic, cross-coupling, enclosure and package resonance effects. Sonnet maintains a single, dedicated focus on providing the industry's most accurate and reliable high frequency planar EM software. Our aim is to make it easy for our customers to both develop and analyze designs within our software, or to incorporate our tools into their existing design processes and frameworks. Customers need never commit to a

proprietary framework in order to get the best in planar EM analysis. Visit
https://www.sonnetsoftware.com for more information.