

## **Agilent Technologies and CST announce integration advances for RF and microwave circuit design**

**Alliance gives engineers improved passive circuit performance,  
greater design confidence**

PALO ALTO, Calif., and DARMSTADT, Germany, May 2, 2005, Agilent Technologies Inc. (NYSE: A) and Computer Simulation Technology (CST) today announced two major advances in the integration of the CST MICROWAVE STUDIO® (CST MWS) simulation tool with Agilent's Advanced Design System (ADS) electronic design automation software. The integration helps RF and microwave designers improve passive circuit performance and increase confidence that manufactured products will perform optimally. These advances are implemented in the latest version of CST MWS as a direct result of the alliance and technical collaboration between Agilent and CST announced in June 2004.

Agilent ADS offers a complete set of system and circuit simulation technology and instrument links for RF and microwave design in a single, integrated flow. CST MWS offers fast and accurate 3D electromagnetic (EM) simulation when high-frequency designs require accurate characterization of electromagnetic effects. Both products are used in a broad range of design applications, from wireless communication products to aerospace/defense, and offer considerable advantages, including shorter product-development cycles, virtual prototyping before physical design spins, and design optimization.

"Partnering with established and up-and-coming technology innovators allows Agilent to offer best-in-class technology within the industry's leading RF and microwave EDA platform," said Joe Civello, product marketing manager with Agilent's EEsof EDA division. "Integrating CST MICROWAVE STUDIO's technology-leading EM software into the ADS platform gives our customers the best available solution for design and simulation."

The first advance is enhanced importing of layout data from ADS into CST MWS. This new import capability contains significant improvements in both performance and automation. All relevant information, including layers, material properties, frequency range and external ports are imported. Adjustments necessary for the 3D EM simulation are made automatically.

The second advance is a new link for importing parametric S-parameter results from CST MWS into ADS. This link allows designers to use the S-parameters to perform parameter sweeps and circuit optimization, including parametric 3D EM structures, interpolating between results for various anchor values.

"Our customers are expressing their appreciation for the greater levels of comfort provided by the new S-parameter import link," said Dr. Ulrich Becker, technical support manager, CST. "It not only saves a significant amount of engineering time but also ensures that no oversights occur during the data transfer process."

### Availability

The CST and Agilent Technologies expanded integration is available now using CST MWS 5.1 and Advanced Design System 2004A.

More information about Agilent EEsof EDA and Advanced Design System is available at [www.agilent.com/find/eesof](http://www.agilent.com/find/eesof).

### About CST

CST is one of the two largest suppliers of electromagnetic simulation software and has continuously enhanced its position as market and technology leader in 3D Time Domain simulation. With over 80 employees worldwide and a network of qualified distributors, 120 people are dedicated to the development and support of its EM products in more than 30 countries. Information about CST is available on the web at [www.cst.com](http://www.cst.com).

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### About Agilent Technologies

Agilent Technologies Inc. (NYSE: A) is a global technology leader in communications, electronics, life sciences and chemical analysis. The company's 28,000 employees serve customers in more than 110 countries. Agilent had net revenue of \$7.2 billion in fiscal year 2004. Information about Agilent is available on the Web at [www.agilent.com](http://www.agilent.com).

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