



The Global Specialty Foundry Leader

NEWS ANNOUNCEMENT

FOR IMMEDIATE RELEASE

TowerJazz to Provide Customers with New Silicon RFIC Design Interoperability Feature in Keysight Technologies' Advanced Design System EDA Software

Shortens customers' design cycles and enables faster time to market by allowing use of a single design database

NEWPORT BEACH, Calif., May 20, 2015 – TowerJazz, the global specialty foundry leader, today announced access for its customers to a new silicon RFIC interoperability feature available in Keysight Technologies' [Advanced Design System](#) (ADS) EDA software. The Keysight interoperable process design kits (PDKs) are designed for use with ADS and Cadence® Design Systems' Virtuoso® EDA software, allowing TowerJazz customers to work with a single design database, shortening the design cycle and enabling faster time to market.

Designers are permitted to edit and simulate schematic designs created by Virtuoso in ADS and vice-versa, or open a layout generated in either tool. For example, a user can open a Virtuoso layout cell view in ADS, instantiate the cell within a package or module, and then run an electromagnetic simulation on the complete design to validate its overall system performance. This enables a designer to employ what they consider to be the "best-of-breed" tool for schematic capture, simulation, layout and verification, cutting down the time required to manually port the design from one tool to another.

"While we currently provide Virtuoso and ADS PDK support, the new Silicon RFIC interoperability will allow us to provide our customers a unified environment that supports both platforms," said Marco Racanelli, Sr. VP & GM of RF & High Performance Analog Business Group, at TowerJazz. "The first interoperable PDKs will be available for our 0.18-um SiGe SBC18H3 high-speed technology and the CS18 SOI process, which is widely used for cellular and WiFi antenna switches in mobile phones. We are also working with Keysight to enable additional high-performance SiGe and RF SOI technologies."

"TowerJazz customers can now access ADS' dedicated RF design flow tools based on a standard Virtuoso PDK," said Volker Blaschke, Silicon RFIC product marketing manager, Keysight EEs of EDA. "The new interoperability feature facilitates the design process by using a

single design data library for ADS and Virtuoso, removing redundant steps in setting up schematics and porting layouts between the tools and enabling a true RFIC/package/board co-design flow. This interoperable flow increases designer productivity and flexibility, and reduces time-to-tape-out for silicon-based RF designs.”

TowerJazz and Keysight plan to demonstrate the interoperable PDKs with reference design examples at the International Microwave Symposium (IMS) conference, May 18–21, in Phoenix, AZ, booth #736 and #739 and the Design Automation (DAC) conference, June 7–11, in San Francisco, CA, booth #2608 and #2020, respectively.

For more information on the Silicon RFIC Interoperability available in ADS, please visit <http://www.keysight.com/find/eesof-ads2015.01>.

About TowerJazz

Tower Semiconductor Ltd. (NASDAQ: TSEM, TASE: TSEM) and its fully owned U.S. subsidiary Jazz Semiconductor, Inc. operate collectively under the brand name TowerJazz, the global specialty foundry leader. TowerJazz manufactures integrated circuits, offering a broad range of customizable process technologies including: SiGe, BiCMOS, mixed-signal/CMOS, RF CMOS, CMOS image sensor, integrated power management (BCD and 700V), and MEMS. TowerJazz also provides a world-class design enablement platform for a quick and accurate design cycle as well as Transfer Optimization and development Process Services (TOPS) to IDMs and fabless companies that need to expand capacity.

To provide multi-fab sourcing and extended capacity for its customers, TowerJazz operates two manufacturing facilities in Israel (150mm and 200mm), one in the U.S. (200mm) and three additional facilities in Japan (two 200mm and one 300mm) through **TowerJazz Panasonic Semiconductor Co. (TPSCo)**, established with Panasonic Corporation of which TowerJazz has the majority holding. Through TPSCo, TowerJazz provides leading edge 45nm CMOS, 65nm RF CMOS and 65nm 1.12um pixel technologies, including the most advanced image sensor technologies. For more information, please visit www.towerjazz.com and www.tpsemico.com.

Safe Harbor Regarding Forward-Looking Statements

This press release includes forward-looking statements, which are subject to risks and uncertainties. Actual results may vary from those projected or implied by such forward-looking statements. A complete discussion of risks and uncertainties that may affect the accuracy of forward-looking statements included in this press release or which may otherwise affect TowerJazz’s business is included under the heading "Risk Factors" in Tower’s most recent filings on Forms 20-F, F-3, F-4 and 6-K, as were filed with the Securities and Exchange Commission (the “SEC”) and the Israel Securities Authority and Jazz’s most recent filings on Forms 10-K and 10-Q, as were filed with the SEC, respectively. Tower and Jazz do not intend to update, and expressly disclaim any obligation to update, the information contained in this release.

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