



NEWS ANNOUNCEMENT

FOR IMMEDIATE RELEASE

TowerJazz to Provide ARM® Low Power Libraries for 0.13 SiGe BiCMOS and RF CMOS Platforms

Customized for RF and mobile applications that need high frequency while maintaining long battery life

MIGDAL HAEMEK, Israel – May 25 2010 – [TowerJazz](#), the global specialty foundry leader, today announced they will be providing ARM physical IP low power std cells and memory libraries for TowerJazz's new 0.13u [SiGe BiCMOS](#) process (SBL13) and its 0.13u [RF CMOS](#) process (TSL13). TowerJazz is adding this to its existing suite of IP to provide leading low power and high performance physical libraries for its customers. The combination of TowerJazz's technology platforms with ARM standard cells, memory compilers and I/Os are ideal for customers designing RF and mobile applications that need high frequency and long battery life.

The SBL13 process combines SiGe bipolar performance with a mature 130nm CMOS copper (Cu) backend and is now also available from TowerJazz's Israel fab, achieving high performance RF with more integrated digital logic. Target markets for the solution are low power devices for wireless mobile (WLAN), general purpose communication, and digital TV tuners.

"ARM physical IP libraries have assisted thousands of system designers in accelerating their time to volume of SoC designs," said Simon Segars, Executive Vice President and General Manager, ARM, Physical IP Division. "We are pleased that TowerJazz, an industry leading specialty foundry, has chosen to offer ARM high density libraries to customers who require low power and high performance for their innovative applications. The ARM libraries enable TowerJazz customers to deliver high value designs while keeping their manufacturing costs low."

"We are excited about the combination of ARM low-power libraries with TowerJazz's state-of-the-art 0.13um RF CMOS and SiGe BiCMOS processes to provide unprecedented value in RF performance and long battery life to our customers," said Ori Galzur Vice President, VLSI Design Center at TowerJazz. "This latest announcement builds on a partnership with ARM that now extends across multiple technology nodes and serves both our Newport Beach and Israeli

fabs and is consistent with our commitment to invest in the best design enablement and IP technology to continue providing excellence in design and manufacturing for our customers."

Availability

Libraries are available for download thru the ARM DesignStart™ website, <http://designstart.arm.com> and are free to use for TowerJazz customers.

About TowerJazz

Tower Semiconductor Ltd. (NASDAQ: [TSEM](#), TASE: TSEM), the global specialty foundry leader and its fully owned U.S. subsidiary Jazz Semiconductor, operate collectively under the brand name TowerJazz, manufacturing integrated circuits with geometries ranging from 1.0 to 0.13-micron. TowerJazz provides industry leading design enablement tools to allow complex designs to be achieved quickly and more accurately and offers a broad range of customizable process technologies including SiGe, BiCMOS, Mixed-Signal and RFCMOS, CMOS Image Sensor, Power Management (BCD), and Non-Volatile Memory (NVM) as well as MEMS capabilities. To provide world-class customer service, TowerJazz maintains two manufacturing facilities in Israel and one in the U.S. with additional capacity available in China through manufacturing partnerships. For more information, please visit www.towerjazz.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 Tower and/or Jazz'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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