



News Release

WAVECREST CONFIRMS SUPERIOR PERFORMANCE CAPABILITIES WITH RAMBUS'S 90NM RASER SERIAL LINK INTERFACE TECHNOLOGY

Test results indicate advanced process technology to benefit high volume applications

DESIGNCON WEST, SANTA CLARA, Calif. – February 3, 2004 – Rambus Inc. (Nasdaq:RMBS), a leading provider of chip-to-chip interface products and services, and Wavecrest Corporation, the leading provider of test and measurement products and services, today announced the successful testing results between Wavecrest's SIA-3000 and Rambus's 90nm RaSer™ PHY serial link evaluation chip.

The results concluded that the 90nm RaSer PHY solution passed jitter tests as measured by the SIA-3000 and its dedicated PCI Express™ software tool, which tests physical layer parameters. The RaSer total jitter measurement fully complies with the PCI Express specifications, providing chip designers with a verified, proven solution for their next system design.

“The low jitter results indicate this serial link technology is able to warrant a $< 10^{-12}$ bit error rate (BER) performance, and provides a higher manufacturing margin, which is crucial for producing products in high volume,” said Mike Peng Li, Ph.D., chief technology officer for Wavecrest. “The RaSer 90nm serial link interface exceeds the requirements established in the PCI Express electrical compliance tests and provides a proven reliable solution to the market.”

The RaSer serial link technology is a proven silicon solution in 0.18 μ m, 0.13 μ m and 90nm semiconductor process technologies. The RaSer PHY design has been proven in PCI Express-based systems and is in development now in leading PC chipset, graphics, communication switches and bridge chip applications.

“We are impressed with the quick setup and report capabilities of the SIA-3000,” said Jean-Marc Patenaude, marketing director for Logic Interface Division at Rambus. “The reports, based on the GigaView software, convey the complete set of PCI Express electrical tests in a single, informative display. Seeing great results of our RaSer cell solution running on advanced processes brings another level of reassurance to our customers that they are receiving a fully compliant, proven serial link solution.”

About GigaView Software

The Wavecrest Signal Integrity test solution for PCI Express utilizes their enhanced SIA-3000 Signal Integrity Analyzer and easy-to-use GigaView™ software. This solution includes a dedicated PCI Express compliance software tool that tests all physical layer amplitude and timing parameters such as rise-time, fall-time, de-emphasis ratio, eye opening and TJ with immediate pass/fail confirmation in one screen. When failures do occur, the GigaView software provides additional diagnostic tools that enable the user to instantly determine the root cause of the failure.

GigaView software utilizes Wavecrest's patented TailFit™ algorithm, an industry standard approved methodology for separating and identifying various jitter components and providing a true and accurate total jitter number. This unique capability allows the user to predict the future performance of a device or system to a BER of 10^{-12} as required by the PCI Express specification in less than a few seconds. This comprehensive diagnostic and compliance capability exceeds existing test solutions currently on the market.

About Wavecrest

Headquartered in Eden Prairie, Minnesota, Wavecrest manufactures test and measurement products for the design and production test of electrical and optical components and systems. Wavecrest's signal integrity, amplitude, jitter and timing analysis test systems are widely used to measure diagnose and analyze diverse applications. For more information, please access www.wavecrest.com.

About Rambus Inc.

Rambus is the leading provider of chip-to-chip interface products and services. The company's breakthrough technology and engineering expertise have helped leading chip and system companies to solve their challenging I/O problems and bring industry-leading products to market. Rambus' interface solutions can be found in numerous computing, consumer electronic and networking products. Additional information is available at www.rambus.com.

Rambus is a registered trademark and RaSer is a trademark of Rambus Inc. PCI Express is a trademark of PCI-SIG. Other trademarks that may be mentioned in this release are the intellectual property of their respective owners.

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