

## **NEWS RELEASE**

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## **WAVECREST DEMONSTRATES FULLY INTEGRATED SIA 3600D SIGNAL INTEGRITY SOLUTION ON AGILENT 93000 TESTER AT ISE LABS**

*First in series of integrated product announcements*

**Minneapolis, MN – May 16, 2005** – Wavecrest, the leading developer of signal integrity analysis solutions for engineers in design, characterization and production environments announced the demonstration of a fully integrated SIA 3600D into a Agilent 93000 test system at ISE Labs Incorporated (ISE), a premier test and development lab in the Silicon Valley area, a wholly owned subsidiary of ASE Test Limited (NASDAQ: ASTSF), the largest semiconductor test subcontractor in the world.

The demonstration consisted of the SIA 3600D testing an NVIDIA® high speed graphics device by utilizing the SIA's GigaView™ engineering software tools and production software incorporated into Agilent's "Smart Test" software suite. The demonstration covered numerous tests including PCI Express™, cycle-to-cycle jitter, TrTf, under/over shoot, and clock frequency to PPB. Wavecrest stated that this is only the first in a series of new ATE integration products they are releasing.

"We are pleased to announce this very successful project integrating the signal integrity analysis capabilities of the SIA 3600D on the Agilent 93000," states Dennis Leisz, president and CEO of Wavecrest. "ISE Labs is a very valuable resource for numerous IDM and fabless companies. They strive to provide their customers with the most powerful test tools available and worked very closely with us in developing this leading edge capability. We look forward to integrating the SIA 3600D on any of their testers requiring this level of accuracy and repeatability."

The Wavecrest SIA Family of Signal Integrity Analysis solutions are specifically optimized for clock and datacom applications where signal integrity becomes the most critical test for determining overall performance and interoperability. The SIA 3600D installed at ISE includes Wavecrest's GigaView™ software with dedicated tools for

high-speed applications such as PCI Express. These tools test all physical layer amplitude and timing parameters such as rise-time, fall-time, de-emphasis ratio, eye opening and Total Jitter with immediate pass/fail confirmation in one screen. The GigaView software provides additional diagnostic tools that enable the user to instantly determine the root cause of issues.

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  $10^{-12}$  or lower.

"ISE Labs is pleased to offer this level of test capability to our customers" states Rabbi Islam, ISE Labs Vice President, Operations and Engineering. "The performance combination of the 93000 and the SIA 3600D gives our customers the ability to characterize their devices and boards very quickly and transfer their products to high volume production with correlation back to characterization."

#### **About Wavecrest**

Within design, characterization and production facilities worldwide, engineers trust Wavecrest solutions to meet their toughest challenges in signal integrity analysis. Wavecrest signal integrity solutions are optimized for clock and datacom applications in both lab and ATE environments. For more information, please visit [www.wavecrest.com](http://www.wavecrest.com).

#### **About ISE Labs, Inc and ASE Test Limited**

ISE Labs, Inc., an ASE Test Limited (NASDAQ: ASTSF) company, offers a full spectrum of services related to back-end manufacturing of IC's including test program development, wafer sort, final test, reliability, burn-in and failure analysis. Early in the design stage, ISE engineers often work with customers to select the proper test platform for the customer's device. ISE encourages active customer participation in device testing and characterization, and addresses customer requirements from engineering to production test. Additional information about ISE Labs and ASE Test can be found at [www.iselabs.com](http://www.iselabs.com) and [www.asetest.com](http://www.asetest.com).

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