Parade Technologies, Inc. utilizes Tektronix equipment to validate new displayport designs

by Bend Weekly News Sources

Tektronix, Inc., a leading worldwide provider of test, measurement and monitoring solutions, announced that Parade Technologies, Inc., has validated their new DP501 DisplayPort(TM) Transmitter for compliance with the emerging DisplayPort standard using Tektronix test equipment.

About Parade Technologies, Ltd and Parade Technologies, Inc.: Parade Technologies, Ltd is a privately-held fabless semiconductor company that specializes in developing digital video display interface products. About Tektronix: Tektronix is a leading supplier of test, measurement, and monitoring products, solutions and services for the communications, computer, and semiconductor industries -- as well as military/aerospace, consumer electronics, education and a broad range of other industries worldwide. Approved in May, 2006 DisplayPort is a new digital display interface specification being put forth by the Video Electronics Standards Association (VESA). The DisplayPort standard defines a new license-free state-of-the-art digital audio/video interconnect, intended to be used primarily between a computer and its display monitor, or a computer and a home-theater system. DisplayPort allows for standardized connections between source devices and display devices such as LCD panels without the need for signal translation. This direct drive capability simplifies display product design and reduces cost.

The physical layer test solution in use by Parade for DisplayPort validation includes several Tektronix components including the TDS6804B real- time oscilloscope running RT-Eye(R) Serial Compliance and Analysis Software, a TDS8200 sampling oscilloscope for time domain reflectometry (TDR) analysis, and an AFG3252 for receiver testing. The TDS6804B oscilloscope with RT-Eye provides accurate eye-rendering and clock recovery from the DisplayPort-based serial bit streams. The AFG3252 is used to transmit test patterns that serve to validate design performance using precise limit testing on the bit stream. The TDS8200 is used for electric characterization, reducing validation time from days to minutes.

"As a company at the forefront of driving acceptance of the DisplayPort standard, having the most reliable test suite in our labs is crucial," said Jack Zhao, President and CEO of Parade Technologies, Inc. "Tektronix was the immediate choice with its comprehensive, integrated instrument suite and expertise in the Serial Data Standards validation arena. Our work with Tek on DVI and HDMI testing along with validation of the new DisplayPort standard has minimized risk to our development schedules."

"As serial data architectures continue to evolve, we are committed to enabling innovation with our integrated set of serial data analysis tools," said Chris Loberg, Senior Marketing Manager at Tektronix, Inc. "With the help of our instruments, Parade has brought leading edge DisplayPort capability to the semiconductor market and valuable testing insight for this standard going forward."

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