

## **Tektronix Reveals DisplayPort Transmitter Test Automation** **DPO-DISPLAYPORT-Tx Early Adopter Software Provides Automated Transmitter Compliance Testing**

PRNewswire  
BEAVERTON, Ore.

Tektronix, Inc., a leading, worldwide provider of test, measurement and monitoring instrumentation, announced early adopter software that fully implements and automates the tests identified in the DisplayPort physical layer source compliance test specification. The software adds predefined test sets that are automatically executed, reducing test time and minimizing user intervention. The new DPO-DISPLAYPORT-Tx software runs on the recently announced DPOJET Jitter and Eye Diagram Analysis software application for DPO7000 and DPO/DSA70000 Series oscilloscopes -- the highest bandwidth, longest record length real-time oscilloscopes in the world. The Tektronix solution for DisplayPort can be viewed at <http://www.tek.com/displayport>.

DisplayPort is the new digital display interface technology for computers, monitors and home-theater systems aimed at lower implementation costs and improving video performance. DisplayPort 1.1 gives manufacturers of LCD panels, monitors, graphics cards, PC chipsets, projectors, peripherals, components, and consumer electronics a next generation digital interface that is designed to replace LVDS, DVI, and eventually VGA. This technology is rapidly moving through early adoption with announced chip-sets and early previews of first generation display products. DisplayPort products are expected in the market as soon as late Q4 2007 and wider roll out is expected in early 2008.

The DSA70804 or DPO70804 8 GHz oscilloscopes are the primary instrument for DisplayPort transmitter testing and provide the best combination of performance, feature set and analysis using DPOJET software. The new DPO-DISPLAYPORT-Tx early adopter software adds automation support for all of the required transmitter test measurements.

DPO-DISPLAYPORT-Tx builds upon the measurement capabilities of DPOJET, adding specific new measurements required by the DisplayPort compliance test specification (CTS) plus automated test sequencing and report generation. A menu-driven interface allows the user to select the tests to run, and then guides the user to properly connect the device-under-test (DUT) to the Tektronix oscilloscope. For each transmitter signal condition (for example, with pre-emphasis enabled or disabled), DPO-DISPLAYPORT-Tx then automatically performs the full suite of measurements for the selected tests, shortening test time and minimizing user intervention. A report is generated documenting all measurement results with the specified limits, pass/fail results, test margins, and illustrative screen shots where applicable.

The DPO-DISPLAYPORT-Tx early adopter software aids engineers needing to quickly validate and debug ICs, motherboards, and graphic cards designs and compliance test against the DisplayPort 1.1 standard.

### Availability

The DPO-DISPLAYPORT-Tx early adopter software will be available for download beginning in December 2007 free of charge from <http://www.tektronix.com/software>.

### 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. With 60 years of experience, Tektronix enables its customers to design, build, deploy, and manage next-generation global communications networks, computing and advanced technologies. Headquartered in Beaverton, Oregon, Tektronix has operations in 19 countries worldwide. Tektronix' Web address is <http://www.tektronix.com/>.

Tektronix is a registered trademark of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

First Call Analyst:

FCMN Contact: [laura.olson@tek.com](mailto:laura.olson@tek.com)

SOURCE: Tektronix, Inc.

CONTACT: Gary Grossman, Worldwide Sr. PR Manager of Tektronix,  
+1-503-627-1097, [gary.grossman@tektronix.com](mailto:gary.grossman@tektronix.com)

Web site: <http://www.tektronix.com/>

---

<http://news.tektronix.com/2007-12-05-Tektronix-Reveals-DisplayPort-Transmitter-Test-Automation>