

## **Tektronix Introduces New DisplayPort Test Solution and Methods of Implementation**

### **Leading Test Lab Standardizes on Tektronix for DisplayPort Tests**

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Tektronix, Inc. , a leading, worldwide provider of test, measurement and monitoring instrumentation, announced a new test solution for the DisplayPort 1.1 standard. The solution represents a complete bench for engineers wanting to optimize and validate the performance of their DisplayPort designs. Tektronix also has submitted new source, cable, and sink Methods of Implementation (MOI) to the Video Electronics Standards Association (VESA) as an aid to engineers and test labs performing DisplayPort 1.1 compliance testing. Additionally, Allion -- one of the leading test labs in the world for high speed serial data standards compliance testing -- has selected the Tektronix DisplayPort test solution to conduct DisplayPort compliance tests.

DisplayPort allows high-definition digital audio to be available to the display device over the same cable as the digital video signal. The DisplayPort standard was developed by a VESA Task Group comprised of leading companies in the display silicon, connector, computer monitor, TV display, projector, and PC industry segments with the goal of providing a next generation digital interface that is designed to replace LVDS, DVI, and eventually VGA. The DisplayPort 1.1 specification was approved in March, 2007 and was updated in September 2007 with major changes to address the inconsistencies between the compliance test specification (CTS) and the standard, particularly addressing the jitter budget for physical layer testing. The test solution and MOIs from Tektronix will help DisplayPort design developers to execute tests per the CTS.

"Establishing standards compliance for the newest generation of high speed serial technologies requires robust instrumentation and detailed test procedures for transmitters, interconnects, and receivers," said Lynne Camp, Vice President, Performance Plus Instruments, Tektronix. "Tektronix is the leading provider of solutions for high speed serial technologies, including DisplayPort. The new DisplayPort test solution including the MOIs provide engineers with the tools they need to streamline and complete their compliance tests."

The DisplayPort test solution consists of a DSA70804 8 GHz real time oscilloscope with new DPOJET Advanced software (see separate release for DPOJET: Tektronix Launches Test Solution to Perform Advanced Measurements for PCI Express, HDMI, and DisplayPort Compliance). Alternatively, engineers can utilize RT-Eye and Jit3 software with existing TDS or DPO series oscilloscopes. Additional components include: an AWG7102 arbitrary waveform generator; a DSA8200 sampling oscilloscope with IConnect software and 80E03 and 80E04 modules; P7380SMA probes and; DisplayPort fixtures from Efficere Technologies. The MOI and setup files are available on Tektronix.com.

"Allion has had the opportunity to use the Tektronix DisplayPort test solution including an early version of the new DPOJET software," said James Ou, Director, Engineering Service Division II, Allion Test Labs, Inc. "Based upon our experience we have decided to standardize on Tektronix and implement the new MOIs to streamline DisplayPort CTS testing on behalf of our customers."

"We welcome the new DisplayPort test solution and MOIs from Tektronix," said Alan Kobayashi, Genesis Microchip's vice president, DisplayPort and Monitor Marketing, Editor of VESA's DisplayPort Task Group. "These tools enable companies to efficiently test their designs, helping to expedite compliance with DisplayPort through the CTS. The efforts of Tektronix increase the overall set of tools that companies have

available to assist in DisplayPort development and industry adoption."

More information about the Tektronix DisplayPort solution can be found at: [www.tek.com/displayport](http://www.tek.com/displayport). All elements of the test set are available for order and delivery.

#### About DisplayPort

The DisplayPort digital display specification 1.1 was published by the Video Electronics Standards Association (VESA) and has been endorsed by major PC manufacturers such as Dell, Hewlett-Packard Company, and others. It promises a scalable, license-free technology that will simplify PC monitors.

#### 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 [www.tektronix.com](http://www.tektronix.com).

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