

Tektronix to Demonstrate Latest UWB Test Capabilities at Certified Wireless USB Developers Conference 2006

Staccato and Tzero Will Utilize Tektronix TDS6000 Series Oscilloscopes to Demonstrate Certified Wireless USB and UWB Capabilities

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Tektronix, Inc. , a leading, worldwide provider of test, measurement and monitoring instrumentation, announced it will demonstrate its industry-leading high bandwidth, real-time oscilloscopes and TDSUWB software application for validating UWB and WiMedia devices at the Certified Wireless USB Developers Conference in San Jose, California, June 20-22 at Booth #14. Running on the Tektronix TDS6000C Series high performance real-time oscilloscopes, TDSUWB provides real-time measurement and analysis of Certified Wireless USB signals.

The rapid expansion of UWB and WiMedia has driven the measurement needs of many applications, including Certified Wireless USB, beyond the capabilities of swept spectrum and vector signal analyzers. The evaluation and design of a UWB radio requires a measurement instrument that has wide bandwidth, good dynamic range, fast signal capture, and the ability to perform spectral analysis on a live signal. The Tektronix real-time TDS6154C oscilloscope with TDSUWB assists the design and debug of UWB signals for defense electronics, industrial, computer, communications, and consumer electronics applications.

"We're committed to providing the measurement tools and software to enable accurate capture and analysis of digital RF signals, helping our customers bring their Certified Wireless USB devices to market faster," said David Woolf, Tektronix Performance Scope Marketing Director. "By coupling our 15 GHz wideband real-time oscilloscope with our TDSUWB spectral analysis software, users can debug and validate their Certified Wireless USB design with confidence."

Tektronix TDSUWB and TDSUWB+WiMedia Application

The UWB software from Tektronix is available as TDSUWB and TDSUWB+WiMedia. TDSUWB adds wideband spectral analysis capabilities to the TDS6000C Series oscilloscopes for evaluating and debugging UWB communications and radar in real time. Analyzing changes in frequency with time is also applicable to a wide variety of electrical signals. The TDSUWB+WiMedia software provides additional capabilities focusing on testing WiMedia radio bandgroups. TDSUWB+WiMedia software automatically identifies Time Frequency Code (TFC) -- frequency of operation and hopping sequence -- selects the correct PSD mask for that TFC, performs the PSD mask test, and measures channel power.

See Tektronix Solutions At Work

Attendees at the Certified Wireless USB Developer's Conference will have multiple opportunities to see the Tektronix solution at work. Tektronix and Staccato will be demonstrating how the oscilloscope provides reliable test results for Staccato's single-chip Ripcord™ products. The Staccato demonstration can be seen at Booth #15.

Tektronix and Tzero will be using the Tzero UWB chipset as the target device under test to accurately measure and validate error vector magnitude (EVM), a key indicator of Wireless USB transmit signal quality. WiMedia specifications require EVM for the transmit signal of equal to or better than -19.5 dB. The Tzero chipset demonstrates industry leading EVM numbers of -26dB, 6.5 dB better than WiMedia specifications.

The Tzero demonstration can be viewed in the Tektronix Booth #14.

"Tektronix is supporting the growing market of Certified Wireless USB with state-of-the-art UWB testing solutions," said Jason Ellis, Director of Business Development and Marketing for Staccato Communications. "As Staccato prepares to engage our customers with production silicon, it becomes even more critical to support product certification and regulatory compliance, and Tektronix meets those needs with their TDS6000 oscilloscopes and UWB software package."

"Consumer appreciation for wireless connectivity inside the home is rapidly growing, but converting interest to sales will require WiMedia products that offer the same or better quality experience of cable-based options," said Rajeev Krishnamoorthy, founder and chief technology officer, Tzero. "Through our work with Tektronix, we are committed to increasing momentum within the UWB industry by enabling engineers to evaluate and verify their ultra wideband product developments to the highest standards."

About TDS6000C

TDS6000C Series digital storage oscilloscopes provide unprecedented performance along with a complete feature set designed to address design validation, debug, and compliance challenges of next generation computing and communications equipment. High bandwidth, high sample rate, and deep memory also provide the ideal solution for data acquisition applications.

About Tektronix

Tektronix, Inc. is a test, measurement, and monitoring company providing measurement solutions to the communications, computer, and semiconductor industries worldwide. With 60 years of experience, Tektronix enables its customers to design, build, deploy, and manage next-generation global communications networks and advanced technologies. Headquartered in Beaverton, Oregon, Tektronix has operations in 19 countries worldwide. Tektronix' Web address is www.tektronix.com.

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