

## **Tektronix RSA6100A Real-Time Spectrum Analyzers Are 2006 'Editor's Choice'**

**Editors at Portable Design Recognize RSA6100A Virtues; Unmatched Combination of Real-Time Performance, Capture Bandwidth, and Dynamic Range for Digital RF Applications**

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Tektronix, Inc. , a leading worldwide provider of test, measurement and monitoring instrumentation, announced that the RSA6100A Series Real-time Spectrum Analyzers have received the 2006 Editor's Choice Award from the editors of Portable Design magazine. The Awards honor top products of the year that are intended to make life easier for designers of portable electronic devices.

"Every year Portable Design reviews several hundred products intended to make life easier for designers of portable electronic devices, and recognize the best of the best with our 2006 Editor's Choice Award," said John Donovan, Editor-in-Chief, Portable Design. "The Tektronix RSA6106A and RSA6114A Real- Time Spectrum Analyzers were chosen for their unprecedented excellence in RF design and test."

Test instruments for digital RF require wide bandwidth with high dynamic range, fast signal capture, and the ability to fully correlate the time, frequency, and modulation domains. The 6.2-GHz RSA6106A and 14-GHz RSA6114A provide 110-MHz real-time bandwidth simultaneous with 73-dB spurious-free dynamic range, making them well suited to the needs of a broad range of digital RF applications, from power amplifiers for advanced cellular radios to the latest pulsed radar signals.

The RSA6100A series DPX™ waveform image processor technology transforms volumes of real-time data to produce a live RF spectrum presentation that reveals previously unseen RF signals and signal anomalies. Live RF is achieved by improving the spectrum measurement rate nearly 1,000 times compared to the fastest swept spectrum and vector signal analyzers (VSA). The revolutionary Live RF spectrum display provides an intuitive live color view of signal transients changing over time in the frequency domain, giving a user immediate confidence in the stability of their design, or instantly displaying a fault when it occurs.

The RSA6100A also provides a unique Frequency Mask Trigger (FMT) that allows the user to trigger a measurement based on the occurrence of a unique pattern of events in the spectrum, including triggering on weak transient signals while ignoring strong known signals.

"When designing the Real-Time Spectrum Analyzer RSA6100A series, it was our goal to design products that would enable engineers to address the challenges of the new digital RF world that is fueling the expansion of wireless communications, and in addition, make a designer's life easier and more efficient," said Rick King, Vice President, Real-Time Spectrum Analyzer Product Line, Tektronix. "Tektronix' Real-Time Spectrum Analyzers are the first and only analyzers designed specifically to solve digital RF problems. New digital RF technologies are revolutionizing what we can expect in a portable wireless device. This award from the editors of Portable Design is a positive indicator that the RSA6100A Series are meeting the needs of customers working with digital RF design and test challenges."

About The RSA6100A Series

RSA6100A Series of Real-Time Spectrum Analyzers provides an unmatched combination of real-time performance, capture bandwidth, and dynamic range to meet the needs of a broad range of cutting-edge digital RF applications. DPX™ waveform image processor technology transforms volumes of real-time data

to produce a live RF spectrum presentation that reveals previously unseen RF signals and signal anomalies. Live RF is achieved by improving the spectrum measurement rate nearly 1,000 times compared to the fastest swept spectrum and vector signal analyzers (VSA).

#### About Portable Design

Established in 1995, Portable Design has long been the electronic engineer's resource for portable applications. A leading design magazine, Portable Design delivers news, product reviews and application feature articles focusing on the consumer, wireless, automotive and industrial markets.

#### 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, advanced and pervasive 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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