

Tektronix Announces Fast and Versatile Solution for Field RF Interference Hunting

New SPECMON Spectrum Analyzer Delivers Fast Troubleshooting of Tough Transient RF Interferers, Simplifies Spectrum Management

BEAVERTON, Ore., Sept. 19, 2012 - Tektronix, Inc., a leading worldwide provider of test, measurement and monitoring instrumentation, today announced the SPECMON Spectrum Analyzer, a fast and versatile solution for hunting down sources of RF interference in the field. With swept DPX technology, advanced triggering, wide capture bandwidth and three domain signal analysis, SPECMON can discover and capture events as short as 3.7 μ s with 100 percent probability of intercept, making it easy to find and troubleshoot interferers fast.

With the trend toward wireless everywhere, interference issues have emerged as a major concern. Many are critical safety issues such as interference to the airport radar and emergency communication channels. At the same time, interfering signals have become harder to detect due to the pervasive use of elusive hopping wideband signals. Designed to sort through noisy RF environments with ease, SPECMON improves field hunting efficiency and lowers the cost of test.

"The growing use of frequency hopping technologies has made hunting down the resulting transient signals next to impossible in the field with conventional spectrum monitoring receivers and equipment," said Jim McGillivray, general manager of the spectrum analyzer product line at Tektronix. "With SPECMON, we are giving spectrum managers the tool they need to keep interference issues under control with features like broader bandwidth, multiple integrated functions in a single box, and open data format compatibility to industry standards."

Swept DPX Technology Sees All

At the core of SPECMON is its unique swept DPX technology that automatically scans the entire frequency range in real time to find transient interferers. With density and frequency mask triggers, SPECMON can capture infrequent transients and intelligently save only events of interests. It offers up to 110 MHz real-time bandwidth, widest in its class, and can capture events as short at 3.7 μ s with 100 percent probability of intercept (POI).

Other built-in features further simplify spectrum management applications including time-saving mapping, interferer locator, signal demodulation and automated field measurements. Common field test parameters and measurement include pulse, field strength, signal strength, EMI test, channel power, ACPR, OBW and spur search.

Support for multi-domain signal analysis accelerates troubleshooting and analysis by pinpointing the root cause of problems in multiple domains. Using the integrated 10.4-inch touch-screen display, SPECMON users can analyze captured data in the time, frequency and modulation domains at any time with correlated markers.

The open data format and comprehensive suite of built-in features reduce cost compared to alternative solutions. This gives engineers the flexibility to analyze captured data with third-party software analysis tools such as MATLAB or export mapping results into Google Earth or MapInfo.

Pricing & Availability

SPECMON Spectrum Analyzer solution for field interference hunting is available starting at \$51,600 U.S. MSRP and is available now worldwide.

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About Tektronix

For more than sixty-five years, engineers have turned to Tektronix for test, measurement and monitoring solutions to solve design challenges, improve productivity and dramatically reduce time to market. Tektronix is a leading supplier of test equipment for engineers focused on electronic design, manufacturing, and advanced technology development. Headquartered in Beaverton, Oregon, Tektronix serves customers worldwide and offers award-winning service and support. Stay on the leading edge at www.tektronix.com.

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