



## Press Releases: SAGE Universal Cellular Test Tool (UCTT 8901)

**Las Vegas, Nevada. - March 11, 2010** — Sage Instruments Inc., a leading supplier of Wireline and Wireless test equipment, today announced the rollout of the UCTT 8901, the industry's most advanced and versatile, portable test instrument for base station deployment and troubleshooting. The UCTT combines a laboratory quality FFT spectrum analyzer, an innovative antenna tester and fully integrated backhaul test capabilities for E1/T1, Ethernet (10/100/1000), and OC-X. In addition, the UCTT provides in-depth demodulation and monitoring capabilities for all 2G, 3G and 4G technologies.

"The UCTT represents a new generation of multi-functional test tools to serve the emerging 3G and 4G wireless markets. Its powerful software radio technology will help operators more accurately assess wireless service performance and more quickly isolate problems with transmission, modulation quality and synchronization", says Director of Marketing, Steve Glassman.

With its intuitive hybrid graphical user interface combining both hard keys and soft keys, the UCTT provides unparalleled ease of use for navigation and test control. And the UCTT's all weather rugged design will help operators deploy and troubleshoot their networks under the worst weather conditions. For UCTT product information, pricing and availability please call 831-761-1000 or visit [www.sageinst.com](http://www.sageinst.com).

Sage Instruments delivers a comprehensive range of handheld, portable and system solutions to test, monitor, and troubleshoot next-generation wireless and wireline networks. Sage Instruments has been providing test technology and services for over 25 years and supports thousands of customers worldwide. Headquartered in Freedom, California, Sage Instruments is a privately held company, with offices throughout the Americas, Europe and Asia. For more information, visit [www.sageinst.com](http://www.sageinst.com).

### **Applications & Features**

- Spectrum Analyzer
- BTS Transmitter Performance
- BTS Receiver Performance
- Antenna Performance
- Distance to Fault
- T1/E1 BERT Tester
- Node B ( $I_{ub}$ ) Protocol Analyzer
- Modulation Analyzer
- Interference Monitor
- Complex Wave Generator
- Performs all standard BTS and OTA measurements

### **Technologies**

- AMPS
- TDMA IS-136
- CDMA IS-95
- CDMA 2000
- GSM
- EDGE
- GPRS
- W-CDMA/HSDPA
- WiMax
- LTE



## New LTE Features for Sage UCTT 8901

- Supports LTE Channels at 1.3, 3, 5, and 10 MHz
- Channel Power
- Reports Cell ID, Sector ID and Group ID
- Reference signal level (dBm) and correlation coefficient ([0,1]).
- Primary synchronization signal level (dBm) and correlation coefficient.
- Secondary synchronization signal level (dBm) and correlation coefficient.
- PDSCH (Physical downlink shared channel, i.e., traffic channels) level (dBm) and EVM (1-100).
- PBCH (Physical broadcast channel) level (dBm) and EVM.
- PMCH (Physical multicast channel) level (dBm) and EVM.
- PCFICH (Physical control format indicator channel) level (dBm) and EVM.
- PDCCH (Physical downlink control channel) level (dBm) and EVM.
- PHICH (Physical hybrid ARP indicator channel) level (dBm) and EVM.
- Carrier feed through (dB).
- Main carrier frequency offset (Hz).
- Complete demodulation of the two dimensional OFDM signals (symbols and subcarriers)