

# SAGE Instruments **UCTT 8901** Release Notes

Tuesday December 20, 2012, Sage Instruments is excited to announce a new release for its wireless base station test tool, model 8901 UCTT.

This release serves to extend the UCTT's capabilities to include 3 new burst capture trace modes for its broadband FFT spectrum analyzer. With the UCTT's unique ability to sample broadband spectrum up to 8000 times a second, these trace modes will help wireless field personnel capture short duration (bursty) signal interferers in seconds not days, weeks, or even months it may take with conventional sweeping spectrum analyzers.

In addition, this release introduces a new variable pitch audio aide for signal source location, On-Demand WCDMA Scrambling Code Detection, enhanced marker performance, and new filename history buffer.

## Release Summary

### **New Options**

- All added features in this release are enhancements thus are downloadable at no extra charge for all current Sage UCTT users.
- Enhancements to Broadband FFT Spectrum Analyzer
  - Trace Mode: Max Burst – Triggers on maximum power burst spectrum within a 15 MHz window. Automatically triggers when receiver captures spectrum with more power than current display. Spectrum Capture can be set between 600-8000 frames per second.
  - Trace Mode: Continuous Burst – Poles receiver at max refresh rate (20-25 traces/sec) displaying the maximum burst spectrum since last display request. . Spectrum Capture can be set between 600-8000 frames per second.
  - Trace Mode: Dual Trace – Peak/Cont – This trace mode concurrently displays Peak Hold and Peak Continuous traces. Peak Continuous poles receiver at max refresh rate (20-25 traces/sec) displaying the compiled peaks across the displayed spectrum since last display request. Spectrum Capture can be set between 200-3500 frames per second.
  - Out of "bound spectrum" trace is now shown in gray.
  - Auto-scaling is now applied on entry to SA

## **Other Enhancements**

- Signal Location: Added new variable pitch mode to audible aide. This release allows selection of variable cadence or pitch by setting Average to an even or odd number respectively. Later version will have a dedicated button for selection.
- WCDMA Demodulation: Added on-demand Scrambling code detection. This release allows manual search of a specific scrambling code by going to the WCDMA and selecting sub-menu Uplink and specify the "# Pilots" to 3 and "SRC code" fields to the desired scrambling code (0 to 511, must be three digits) plus 831000. To serach for Scr=64, use 064831000.
- Markers: Enhanced marker performance to reduce placement latency
- File Naming Enhancement: Added history buffer to "File Save" and "Print Screen" to reduce required typing for new filename.

To get download access for this release please contact Sage Sales (sales@sageinst.com) or Technical Support (technicalsupport@sageinst.com).

## About Sage Instruments

Sage Instruments is a leader in the telecommunications and wireless test industry. Building test sets, automated test systems, local loop test systems, and automated wireless test systems used worldwide by leading telecom and wireless providers, manufacturers, and end users. Each of our products provide customers with the value, performance, and reliability demanded in the dynamic and competitive telecommunications and wireless industries. The company offers innovative solutions for the development, installation, management and maintenance of converged, IP fixed and mobile networks—from the core to the edge. Key technologies supported include 2G/3G/4G/LTE, IMS, and VoIP supporting more than 20,000 telecom customers worldwide. For more information, visit [www.sageinst.com](http://www.sageinst.com).

Best Regards,

Steve Glassman  
Dir. of Sales & Marketing  
Sage Instruments  
831-786-3325