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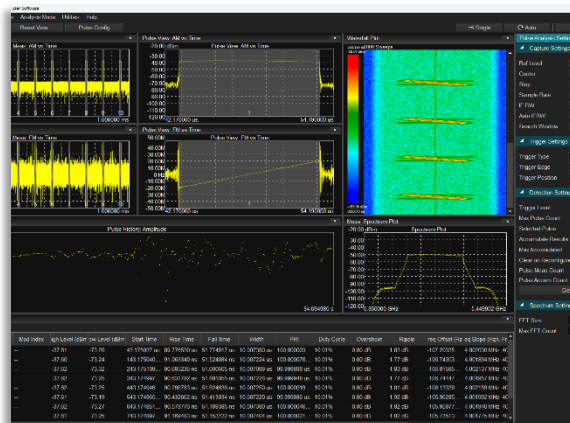
Signal Hound Adds Pulse Analysis Tool Kit to Spike

Battle Ground, WA – June 3, 2026 – Today [Signal Hound](#) – manufacturer of accessible, versatile, precision test equipment – announced a new licensed Spike™ software measurement tool kit that adds comprehensive pulse and radar signal analysis for both commercial and defense applications. Delivered as a licensed option for Spike and fully compatible with Signal Hound’s wideband receivers including the PCR4200 multi-channel receiver, the new [Pulse Analysis Tool Kit](#) enables system designers and field users to perform a broad range of pulse and radar measurements needed for radar-system testing, transmitter troubleshooting, transient/spurious analysis, and ELINT use cases.

“Engineers building and validating radar and pulse-based systems need fast, reliable tools that work in the lab and the field,” said AJ Montgomery, Senior Software Engineer at Signal Hound. “This licensed Spike measurement tool kit brings deep pulse insight—automatic pulse-type detection, long-duration pulse memory, deinterleaving, and correlation testing—into a single package so teams can validate system-level performance, diagnose faults, and accelerate development.”

The new tool kit is compatible with all Signal Hound wideband receivers, supporting analysis bandwidths up to 160 MHz and frequencies up to 43.5 GHz. It automatically detects and characterizes CW, linear chirp, and Barker-sequence pulses, and stores more than 50,000 pulses in deep memory to enable trend and history analysis over long capture intervals. Users can view detailed, configurable pulse-performance metrics aligned with IEEE 181—such as pulse width, PRI, rise/fall time, overshoot, and ripple.

With the enhanced pulse analysis options, Spike’s interface offers a wide selection of plots and displays including AM/FM/PM vs. Time, Spectrum, Waterfall, Histograms, Pulse Tables, Pulse History, Pulse Compression, and Autocorrelation. The Pulse Analysis license also supports deinterleaving to classify pulses from up to five unique emitters with automatic emitter detection and classification and provides pulse correlation/compression testing to compare measured data against reference waveforms and reveal signals below normal trigger thresholds.



Pulse Analysis Tool Kit Features:

- Automatically detect and characterize CW, Linear Chirp, Barker Sequences pulse types
- Deep pulse memory of more than 50k pulses
- Display detailed, configurable, pulse performance metrics
- Available plots include AM/FM/PM vs Time, spectrum, waterfall, histograms and more
- Deinterleaving functions
- Pulse correlation & compression testing

By introducing this new licensed measurement tool kit, Signal Hound extends Spike's value for radar system designers, test engineers, and field operators who require advanced pulse analysis without the cost and complexity of traditional bench systems. [The Pulse Analysis Tool Kit](#) is available as a licensed option in the latest Spike release (version 4.0.15). The software can be licensed for \$500 USD annually or a perpetual license for a one-time purchase of \$2,000. Visit <https://signalhound.com/spike/> to learn more and to download the latest update.

About Signal Hound

Signal Hound is a manufacturer of accessible, versatile, precision test equipment based in Battle Ground, WA. Starting out as Test Equipment Plus in 1996 and offering used test equipment and repair services, Signal Hound expanded its offerings in 2010 with the introduction of the USB-SA44 USB-powered spectrum analyzer. Signal Hound has since added several award-winning RF spectrum analyzers and signal generators, now sold globally. Visit www.signalhound.com for more information.