

For more information, contact:

Clint Burgess, Marketing Director, Signal Hound

+1 (360) 313-7997 (USA)

clint@signalhound.com

FOR PRINT AND ONLINE RELEASE: April 29, 2026

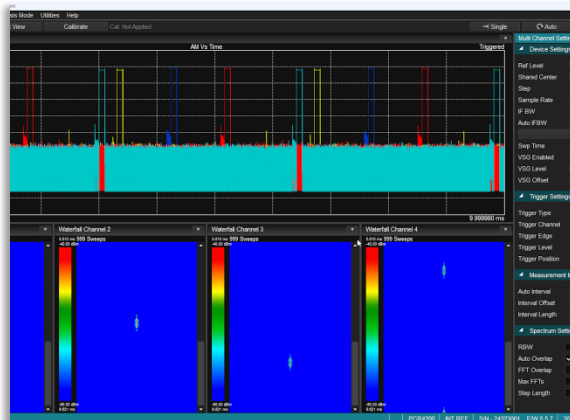
Signal Hound Introduces Multi-Channel I/Q Analysis in Spike Now Available at No Additional Cost

Battle Ground, WA – April 29, 2026 – Today [Signal Hound](https://www.signalhound.com) – manufacturer of accessible, versatile, precision test equipment – announced the addition of multi-channel, phase-coherent I/Q analysis to its Spike™ software. Delivered at no additional cost and fully compatible with the [PCR4200](#) multi-channel receiver, this new analysis mode provides synchronized time and spectrum analysis across up to four channels, enabling users to visualize up to 40 MHz of bandwidth per unified plot for enhanced signal visibility and measurement confidence.

“Adding multi-channel I/Q analysis to Spike gives engineers and technicians a powerful, integrated way to see and measure complex RF behaviors across multiple inputs,” said Tom Lane, President at Signal Hound. “Whether you’re validating system-level phase and amplitude performance or streamlining calibration for MIMO and beam-steering systems, this feature simplifies workflows while improving measurement accuracy.”

The PCR4200’s onboard vector signal generator (VSG) can act as a phase-coherent CW source with a customizable ± 20 MHz offset to support multi-channel measurements. Spike enables effortless calibration of amplitude, phase offset, and phase delay across the entire signal chain, not just the receiver. Time-synchronized markers on each channel allow precise channel-to-channel phase and amplitude delta measurements. Users can choose from several plot types including Time Overview, AM vs. Time, PM vs. Time, Phase Delta vs. Time, Spectrum, and Waterfall to suit diverse analysis needs.

The release of the PCR4200 in 2025 was the springboard for development of multi-channel analysis capabilities in the company’s flagship Spike software. As users have adopted the PCR4200 hardware, the next logical step was the introduction of support on the software side. By integrating multi-channel analysis directly into Spike at no extra cost, Signal Hound has once again expanded the software’s value for engineers and researchers requiring advanced, affordable RF test functionality.



Spike Multi-Channel I/Q Analysis Features:

- Configure up to 4 phase-locked or 4 fully independent channels
- Effortlessly calibrate out amplitude, phase offset, and phase delay
- Utilize the PCR4200’s onboard VSG as phase-coherent CW source
- Enable precise and easy channel-to-channel phase or amplitude delta measurements
- Access several versatile plot types to suit your analysis needs

The addition of multi-channel I/Q analysis to Spike reflects the company's commitment to delivering powerful features that accelerate RF test and development. Multi-channel analysis is available as a download of the latest release of Spike (version 4.0.13). Visit to <https://signalhound.com/spike/> to learn more about the powerful capabilities of this exciting new feature.

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.