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Holzworth Instrumentation releases Phase Coherent, Multi-Channel RF Synthesizer Product Line

Holzworth Instrumentation, a global provider of high performance RF Synthesizers and Phase Noise Test solutions, announces the full release of their multi-channel synthesizer product line.

Holzworth's ultra low phase noise synthesizers are unique in that they do not utilize PLL based architectures to achieve broadband, low phase noise frequency generation. With this intellectual property advantage, Holzworth engineering has created industry leading phase noise and spectral purity performance inside highly compact form factors. Tuning speed and settling time are vastly superior to PLL architectures.

Furthermore, multi-channel synthesizers benefit greatly from the elimination of phase locked loops. In eliminating the PLL, the phasing relationship between multiple channels is absolutely coherent, by design. Each synthesized channel is operating on the exact same reference clock cycle instead of locking to a free running oscillator, thereby improving channel-to-channel phase noise and phase stability. Additional units can be added to a system while maintaining a fully phase coherent relationship across all channels.

"Holzworth is here as a provider of innovative, high performance products in the small form factors that our customers demand. Our engineers understand that successful low phase noise design resides purely in the details. We spend the time on these details so our customers don't have to. We're not here to create more 'me to' products".

- Jason Breitbarth (Holzworth CTO)

Holzworth Instrumentation is a Boulder Colorado based company founded in 2004 with a mission to provide the industry with highly innovative, high performing, and straight forward products that have the best performance-to-price ratios available. Through the evolution of our cost effective phase noise test solutions, our ultra low phase noise RF synthesizer products have become recognized as industry leading performers as they are integrated into test and OEM systems worldwide.

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