

Press Release – New Product Launch

For Immediate Release
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AnaPico Launches APLC and APHSP Series of High-Performance Analog Signal Generators

Glattbrugg, Switzerland – AnaPico AG proudly announces the debut of the APLC and APHSP series of high-performance analog signal generators. Alongside the previously introduced APSIN and APULN series, AnaPico now offers a comprehensive range of signal generators tailored to meet various performance needs, allowing engineers to choose the optimal instrument with the best performance-price ratio.

The APLC and APHSP series cover frequency ranges up to 54 GHz and 51 GHz, respectively, with output power exceeding 15 dBm at the high-frequency end. Both series support all analog modulation schemes. When benchmarked against similar market offerings, the APLC and APHSP stand out with the following unique performance features:

- **Lowest Phase Noise:** With phase noise levels reaching -97 dBc/Hz (APLC and APHSP) at 100 Hz, and -130 dBc/Hz (APLC) and -139 dBc/Hz (APHSP) at 20 kHz from 10 GHz, both instruments boast the lowest phase noise among market competitors.
- **Fastest Frequency Switching:** Consistent with our other signal sources, the APLC and APHSP achieve switching times faster than 15 μ s and 5 μ s, respectively, enabling rapid frequency sweeping.
- **High Signal Purity:** Harmonics, subharmonics, and spurious signals are minimized, achieving levels as low as -60 dBc and -70 dBc, respectively.
- **Multi-Channel Models with Strong Phase Coherence:** A single 19" 2 HU module can host up to 4 independent channels, with multiple modules phase-coherently synchronizable.

These high-performance signal generators are poised to unlock numerous applications, including wireless communications (MIMO and beamforming), radar and electronic warfare (phased array radars and electronic countermeasures), quantum computing research, and various industrial, medical, and metrological test and measurement (T&M) requirements.

“Over the past two decades, AnaPico has continuously advanced the key performance metrics of analog signal sources. We are thrilled to introduce these latest instrument series, completing our portfolio of analog signal sources,” commented Dr. Jakub Kucera, CEO of AnaPico AG.

AnaPico is an ISO9001 certified technology leader, specializing in the development, manufacturing, and supply of RF and MW test & measurement instruments for a wide range of civilian and governmental applications. With significant investments in R&D, AnaPico is dedicated to creating and continuously improving innovative and cost-efficient T&M solutions that offer best-in-class performance and unique features. AnaPico's product portfolio encompasses RF and Microwave Signal Sources (analog and vector, single- and multi-channels) and signal source analyzers up to 65 GHz.

Media Contact: Marketing@anapico.com