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Accel-RF New Solid State Amplifier Products

SAN DIEGO--([BUSINESS WIRE](#))--Accel-RF, the worldwide leader in turn-key RF Reliability and Performance Characterization Test Systems for Compound Semiconductors, announces the addition of three new multi-channel **Solid State Power Amplifier Subsystems** to its product line.

The new product offering includes an L-Band, 1 - 2 GHz, Solid State Power Amplifier Box and an S-Band, 2.9 – 3.3 GHz, Solid-State Power Amplifier Box with 25 Watts of output power on each channel. In addition to these models, Accel has developed a broadband C/X-Band, 4 – 10 GHz Solid-State Power Amplifier Box with 2 Watts of output power per channel across the full frequency band.

The SSPA Subsystems can be configured for a bank of 4, 8, or 16 -channels. Accel-RF's SSPAs are implemented as stand-alone subsystems or embedded in their RF Automatic Accelerated Reliability Test Systems (AARTS) to characterize RF performance with age and perform gain-compression aging tests. The SSPAs are designed as plug-and-play inter-changeable units to allow flexibility and modularity in the AARTS platform.

“Our customers need the capability to compress the RF gain of their devices as a normal part of reliability testing,” says Roland Shaw, President and Founder of Accel-RF. “In many new technology devices, such as Gallium Nitride (GaN), RF output power may degrade over time. Driving devices to 2 or 3 dB of compression at elevated temperatures allows a significant amount of parametric information to be found,” adds Shaw. “These new SSPA models provide our customers with a significant capability to characterize higher output power devices and MMICs at user-application frequencies of interest.”

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“At Accel-RF we understand our customers have to achieve a balance of RF power, test-frequency, and cost. With these new models we can offer a plug-n-play solution as testing needs move to larger gate-periphery products. At Accel-RF we pride ourselves in understanding our customers' needs and offering *solutions* to *meet* those needs,” concludes Shaw.

About Accel-RF

Accel-RF Corporation is a closely-held private corporation located in San Diego, California. The company specializes in the development, design, and production of accelerated life-test/burn-in test systems for RF semiconductor devices. These systems are turn-key integrated instruments that provide a cost-effective and high-value proposition for manufacturers, fabless designers, testing-service providers, original equipment manufacturers, system integrators, and research and development laboratories requiring intrinsic reliability identification, process-control validation, specification standard-deviation characterization, and product qualification testing.

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