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RF ENERGY ALLIANCE REVEALS STANDARDIZATION ROADMAP AT IMS2015

Gaining Traction With Solid-State RF Energy Specifications And New Members

PHOENIX—May 19, 2015—During the International Microwave Symposium (Booth #1141), the RF Energy Alliance (RFEA) announced target delivery dates for the RF energy module architecture guidelines, which include cost reduction and performance goals. These guidelines that define the RF power amplifier and subsystem components mark the first steps toward standardizing solid-state RF energy as a viable heating and power technology. Simultaneously, RFEA announced three new members: Anaren, MACOM and Spira Manufacturing Corporation.

Roadmap Notice

- **Q4 2015: RF Amplifier Specification**
Driven by Technical Committee 1 that is responsible for improving high power amplifier (HPA) efficiency and cost. This specification defines amplifier size, component specifications, cost targets, and paths to efficiencies greater than 65 percent versus standard HPA modules.
- **Q1 2016: System Integration Guidelines**
Driven by Technical Committee 2 that is responsible for overall system architecture and cost of the remaining subsystem components. This specification defines the small signal RF generator and controls, power supply units (PSUs), thermal parameters, module interfaces and system integration guidelines.

New Members Sharing RFEA's Vision

- **Anaren:** Innovative leader in microwave and RF technology, Anaren designs and manufactures complex components and subsystems for the consumer electronics, wireless infrastructure, defense and satellite markets.

“As a longtime supplier of RF technology to the defense, space, and wireless sectors—Anaren is excited by the promise we see in the RF energy space. We’re likewise glad to be participating in its evolution through the RFEA, which affords us unique market insights, opportunities to network with industry peers, and a voice in the technical standard and regulatory issue developments.” – HP Ostergaard, Director of Business Development, Wireless Group, Anaren

- **MACOM:** Leading supplier of high performance RF, microwave, millimeter wave and photonic semiconductor products that enable next-generation Internet and battlefield applications.

“With our recently announced Gen4 GaN technology, we are able to provide greater than 70 percent efficiency and 19dB gain at a cost structure below that of the incumbent technology. We are very proud to be part of the RF Energy Alliance, and believe that we have the correct technology, people and partnerships to bring GaN into mainstream applications such as RF ignition systems, solid-state cooking and high-lumen plasma lighting.” – Mike Ziehl, Vice President of Marketing, RF and Microwave, MACOM

- **Spira Manufacturing Corporation:** Leading supplier of quality engineered Electromagnetic Interference (EMI) and Radiofrequency Interference (RFI) shielding products.

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About The RF Energy Alliance

The RF Energy Alliance is a non-profit technical association comprised of companies dedicated to realizing solid-state RF energy’s true potential as a clean, highly efficient and controllable heat and power source.

Members share the vision of building a fast-growing, innovative marketplace around the sustainable technology, thereby contributing to quality of life across many application areas. The Alliance was founded in September 2014 by E.G.O. Elektro-Gerätebau GmbH, Huber+Suhner, ITW, NXP Semiconductors, Rogers Corporation and Whirlpool R&D (an affiliate company of Whirlpool Corporation). Visit www.rfenergy.org for more information.