

FOR IMMEDIATE RELEASE

***NUWAVES ENGINEERING INTRODUCES LINEAR BIDIRECTIONAL S-BAND RADIO
FREQUENCY AMPLIFIER MODULE FOR OFDM TRANSCEIVERS***

Middletown, Ohio, May 5, 2015 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, today announced a new linear bidirectional amplifier (BDA) for OFDM radios at the Association for Unmanned Vehicle Systems International (AUVSI) Unmanned Systems 2015 Trade Show. The NuPower Xtender™ 12E06A model is a broadband, small, lightweight and cost-effective solution for high-performance S-band Orthogonal Frequency Division Multiplexing (OFDM) transceivers with Mobile Ad hoc Networking (MANET) and/or Multiple-Input and Multiple-Output (MIMO) technology.

The Xtender 12E06A bidirectional amplifier operates across the 1980 to 2500 MHz range and generates 12 Watts of RF power for QPSK modulated signals, 6.3 Watts for 16QAM, and 2.5 Watts for 64QAM. With 25 dB of RF transmit gain and 12 dB of receive gain, the Xtender 12E06A bidirectional amplifier is designed to operate seamlessly with several commercially-available OFDM transceivers. Further, at 4.00” x 2.00” x 0.65”, the bidirectional amplifier’s ruggedized aluminum chassis is compact, and light enough for integration into a wide variety of small aerial, sea and ground-based platforms, including Small Unmanned Aircraft Systems (SUAS).

“The Xtender 12E06A is a high-performance, robust solution to extend the range of S-band OFDM radios, which are increasingly popular in military and government applications,” said Ryan Canning, Director of Business Development for NuWaves Engineering. “We’re building on a successful track record of developing and fielding miniature RF power amplifiers for the most demanding customers in the world.”

NuWaves Engineering is a premier supplier of RF and Microwave solutions for Department of Defense (DoD), government, and industrial customers. An RF engineering powerhouse, NuWaves offers a broad range of design and engineering services related to the development and sustainment of key communications, telemetry and electronic warfare systems, as well as a complete line of commercially available RF products. NuWaves’ products include wideband frequency converters, high-efficiency and miniature solid state power amplifiers and bidirectional amplifiers, high intercept low noise amplifiers and miniature RF filters. NuWaves Engineering...Trusted RF Solutions™.

Contact Kevin Harrison, Business Development Engineer, at (513) 360-0800, or visit www.nuwaves.com for more information.

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