

NUWAVES ENGINEERING INTRODUCES SMART, MINIATURE SOLID STATE POWER AMPLIFIER FOR C- & ISM-BANDS

Middletown, Ohio, November 30th, 2020 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announces the release of new, smart, miniature, solid state power amplifier—the NuPower™ C10R01.

The NuPower™ C10R01 C-Band Solid State Power Amplifier is a smart, miniaturized module that delivers over 10 watts of RF power across the C- and ISM-band frequency range of 5100 to 5900 MHz, featuring automatic gain with RF output power level adjustment. The graph within Figure 2 shows how the NuPower™ C10R01 improves radio performance by 8x compared to a radio alone, giving users a new range of possibility.

“We are pleased to add this new power amplifier to our list of offered products. It will improve our customers’ capabilities when using unmanned aircraft systems (UAS) and Counter UAS”, said Jeff Wells, President and CEO of NuWaves Engineering. “The NuWaves team takes pride in our ability to support our clients with best-in-class RF solutions, rapidly fulfilling the ever-changing needs of the Warfighter.”

NuWaves Engineering is a veteran-owned, 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™.

The NuPower™ C10R01 Power Amplifier is available for order now. Please contact the Products Solutions team at (513) 360-0800, product.solutions@nuwaves.com, or visit www.nuwaves.com for more information.



Figure 1 NuPower Xtender C10RX01

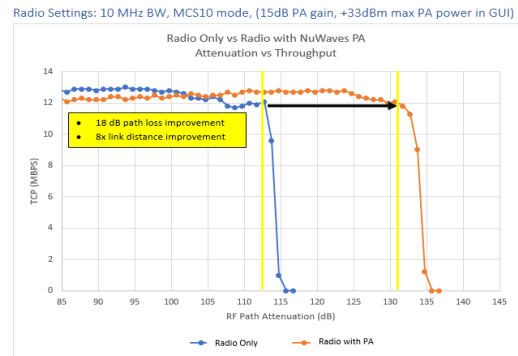


Figure 2 Radio Only vs Radio with NuWaves PA Attenuation vs Throughput