

# 1kW X Band Pulsed SSPA for Extending Radar Range

Empower RF has announced delivery of the model 2241, a GaN Solid State PA pulse emitter designed for new Radar applications where portability and extended range are key requirements. Across the operating band of 9 to 10GHz, the model 2241 provides over 1000W peak power in a compact 3U chassis. Flexible waveform handling is a key feature. The 2241 is capable of long pulses, high duty cycles, and a derated long pulse mode. The unit is controlled through the front panel touch screen, M2M SCPI, and peer/Lan connected PC and web browser with no software to install. Production Test Data is available upon request.



## Capabilities:

- Up to 20% Duty Cycle
- Up to 500  $\mu$ sec Pulse Width
- Up to 25kHz PRFs
- Derated Long Pulse Operation 2.2ms @200W
- Pulse Modulated or Gated Pulse Mode
- High VSWR 3:1 and Open/Short Protection

**Learn More About This Product:**

[https://www.empowerrf.com/products/display\\_amplifier.php?sku=2241](https://www.empowerrf.com/products/display_amplifier.php?sku=2241)

**Download**

**datasheet:**

[https://www.empowerrf.com/datasheet/Empower\\_RF\\_Amplifier\\_2241.pdf](https://www.empowerrf.com/datasheet/Empower_RF_Amplifier_2241.pdf)

**Complete Empower RF Amplifiers lineup:**

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