

IMSAR's NSP-5 Radar Moving Into Production for RQ-21 Unmanned System

SPRINGVILLE, Utah – IMSAR's NSP-5 radar system, configured for unmanned aircraft systems, is in production to deliver mission kits to the RQ-21A Blackjack UAS operated by the U.S. Marine Corps, the company said in a release.

The payload project, named "Split Aces," is a synthetic aperture/ground moving target Indicator Radar Payload and has been given the prototype designation AN/DPY-2().

The NSP-5 is powered by Ku-band NanoSAR synthetic aperture radar (SAR) technology, which is housed in a pod with enclosed electronically scanned array antennas. The NSP-5 provides high-resolution SAR imagery, coherent change detection and ground moving target indication.

"IMSAR is excited to provide America's defense with a genuinely tactical, high-performance radar solution enabling true multi-intelligence for expeditionary platforms at such a critical time," said Ryan Smith, IMSAR's president and CEO.

The NSP-5 delivers high-performance capabilities despite its small size, weight and power characteristics. Commercially, the NSP-5 is available in a standard pod configuration that measures 5.4 inches (13.7 centimeters) in diameter and 45.3 inches (115 centimeters) in length, weighs 16 pounds (7.3 kilograms) and consumes 150 watts of power.