

RTX's Raytheon Successfully Demonstrates Advanced Tracking Capabilities of AN/SPY-6(V)4 Radar



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Milestone marks the first live test in a maritime environment

BARKING SANDS, Hawaii (August 26, 2025) – In partnership with the U.S. Navy, Raytheon, an RTX (NYSE: RTX) business, has successfully completed its first live test of the AN/SPY-6(V)4 radar in a maritime environment. The milestone was achieved during recent testing at the Advanced Radar Detection Laboratory located at the Pacific Missile Range Facility in Hawaii.

During multiple tests over open water, the radar successfully

tracked air and surface targets under various conditions. These tests demonstrated the radar's advanced tracking capabilities across different mission scenarios and validated years of modeling and simulation work. Additionally, the tests yielded the first live data set for the (V)4 configuration, which will help refine the system for future testing and eventual shipboard deployment.

"The successful live demonstration of the SPY-6(V)4 radar is a major step forward in advancing the capabilities of today's fleet and supporting allied operations worldwide," said Barbara Borgonovi, president of Naval Power at Raytheon. "The radar will allow existing U.S. Navy Flight IIA Destroyers to significantly upgrade their detection and tracking capabilities, allowing sailors to more effectively monitor and respond to potential threats in real-time."

This is the next variant in the U.S. Navy's [SPY-6 Family of Radars](#) to undergo live maritime testing. The program will continue with testing and system enhancements, leveraging common hardware and software across other variants to ensure seamless integration and scalability.

Over the next decade, SPY-6 is expected to be deployed on more than 60 U.S. Navy ships, enhancing defense against air, surface, and ballistic threats.