Delivering protection against current and future RF missile threats.

Dual Band Decoy

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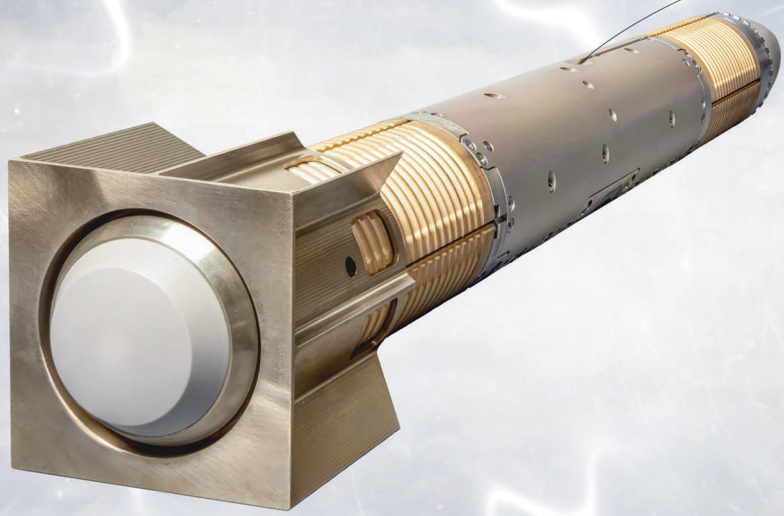

BAE SYSTEMS

Our modular design ensures that the Dual Band Decoy will continue to match future threats while keeping life-cycle costs low

The Dual Band Decoy is a next-generation self-contained jammer capable of utilizing EW techniques previously reserved for big box systems.The solution maintains all the functionality of the existing AN/ALE-55 while adding protection in additional frequency bands and providing unparalleled situational awareness.

The system has two modes:

- In the primary mode, the system detects and analyzes a threat, determines the appropriate response, and then transmits the high-powered response from the towed decoy.
- The alternative back-up mode is an independent repeater. In this mode the threat signal is detected, modulated, and transmitted from the towed decoy.

A modular design ensures that the Dual Band Decoy will continue to match future threats while keeping life-cycle costs low. The system can be made to interface with a variety of techniques generators. Additionally, the system has a stand-alone capability that enables users to add protection without making significant platform changes. This broad capability maintains all interfaces from the AN/ALE-55 and is able to handle today's range of EW techniques.

Key features and benefits

- High-powered, coherent jamming across multiple frequency ranges to defeat advanced RF threats ensures superior protection.
- The state-of-the-art active braking system allows for extremely fast and precise decoy deployment, providing time for a second decoy to be deployed if necessary.
- State of the art, high-powered Gallium Nitride (GaN)-based Solid State Power Amplifiers (SSPAs) generate power across multiple bands to protect a your aircraft.
- Efficient, broad-beam antennas employ integral linearization to optimize the jamming signal and ensure the decoy operates at optimum power level.

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