



AN/ALQ-184

Self-Protect ECM Pod



Used on U.S. Air Force tactical aircraft, the AN/ALQ-184 Self-protect Electronic Countermeasures (ECM) Pod counters sophisticated threats in dense signal environments.

Benefits

- Instantaneous RF signal processing, wide open in angle and frequency
- High probability of detection
- Direction finding on every received signal, independent of frequency
- Highest available ERP against mobile ground threats
- 100% duty cycle transmit capability
- Maximum effectiveness against engaged emitters
- Software programmable response
- Highest warranted MTBF available

Combat-Proven Multibeam Technology

The AN/ALQ-184 is a self-protect ECM pod. It is qualified for use on multiple platforms — including the F-16, A-10, F-4, F-111, F-15, A-7 and C-130 — and has proven very successful in combat situations. The system uses multibeam receivers and mini-TWT amplifiers, in both receive and transmit modes, to selectively direct high power jamming against multiple emitters. The AN/ALQ-184 increases effective radiated power (ERP), reduces countermeasure response time, and improves reliability, maintainability and availability over previous USAF self-protect pods. It is available in three-band and two-band configurations.

Raytheon maintains a wealth of experience developing ECM pods, producing its first pod-mounted noise jammer for the Marine Corps in 1966. Carried on the EA-6A, the AN/ALQ-76 significantly reduced aircraft losses in Vietnam by degrading enemy radar.

Later, Raytheon developed transmitters and exciters for the AN/ALQ-99 tactical jamming system.

Today, that expertise extends to the AN/ALQ-184 pod. In fact, the AN/ALQ-184 was so successful in Desert Storm that, according to Air Force Magazine: *“The ALQ-184 did a great job of bamboozling enemy radar-guided missiles. It gets much of the credit for the Air Force’s astonishingly low losses.”*¹

Built-in Reliability and Maintainability

The most comprehensively tested electronic warfare pod in USAF history, the AN/ALQ-184 is the only electronic warfare pod to be certified by Office of the Secretary of Defense’s operational test and evaluation standards.

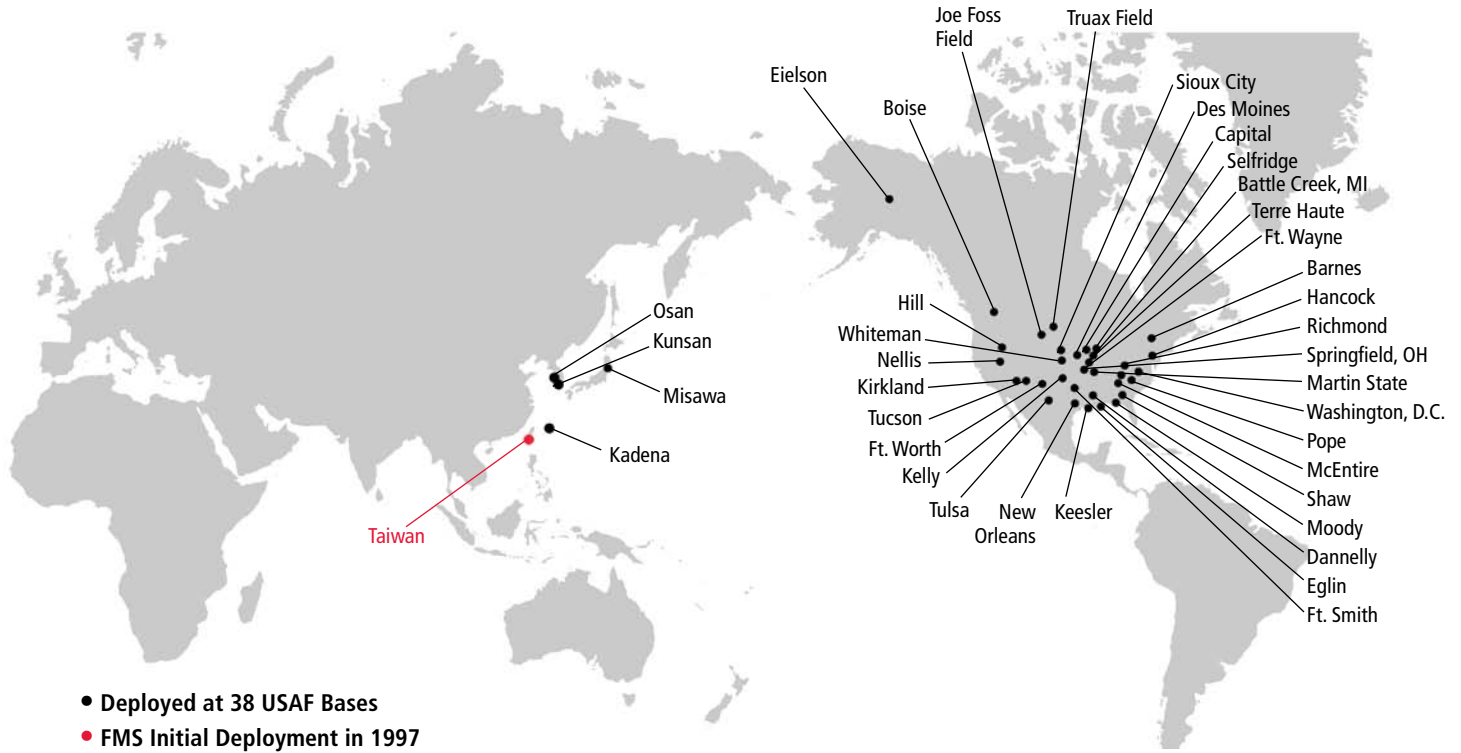
Reliability and maintainability are built-in features of the AN/ALQ-184. The computer-controlled system comes with fully automatic computer-based support equipment (ALM-233)

to reduce logistics and maintenance needs. The ALM-233 enables users to test and maintain the AN/ALQ-184, and train technical/operations personnel without contractor support.

Worldwide Deployment

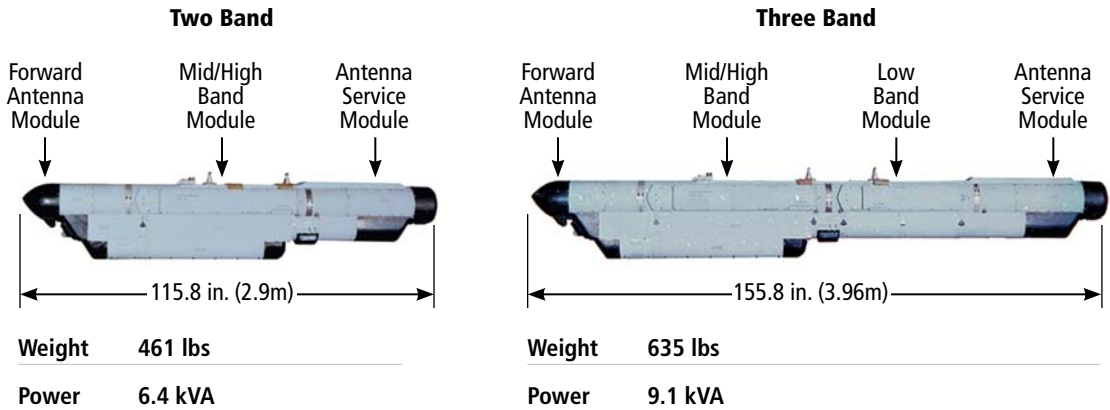
Over 950 AN/ALQ-184 highpower jamming pods are deployed at U.S. and international Air Force bases around the world. To counter emerging threats, the USAF/Raytheon team is upgrading USAF AN/ALQ-184 pods to a “reprogrammable low band” (RLB) configuration. The RLB upgrade provides increased reliability, reduced maintenance time, and increased sustainability — all at a life cycle cost savings to the USAF.

Additional improvements include threat profile upgrades and subsystems additions, such as integrated missile warning, chaff/flare dispensers, and towed decoys.



- Deployed at 38 USAF Bases
- FMS Initial Deployment in 1997

AN/ALQ-184 Deployment



AN/ALQ-184 Pod Characteristics and Features

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