

AN/ALR-56M Advanced Radar Warning Receiver

Long range warning for mission success

AN/ALR-56M

Advanced Radar Warning Receiver System:

- U.S. Air Force standard advanced RWR
- Unambiguous threat detection/identification
- Advanced architecture for high-density environment
- C-J band coverage - growth to MMW and other bands
- Designed for easy RF compatibility/interoperability with a wide range of aircraft and EW avionics
- User/flightline reprogrammable
- Demonstrated high operational MTBF and low MTTR
- Two-level maintenance assures low life-cycle cost
- Over 1000 systems; baseline equipment on F-16, B-1B, C-130J and UK RMPA aircraft

BENEFITS

Expanded situational awareness enabling long-range response strategy – threat avoidance

Easy interoperability with a wide range of aircraft and avionics

Demonstrated high operational MTBF and low MTTR

Two-level maintenance assures low life-cycle costs

User reprogrammability

Operational on F-16 and C-130 – combat-proven

Provides effective threat warning and primary sensor/control for expanded defensive aids systems

Retrofits easily into numerous aircraft utilizing installed antennas and displays



SYSTEM FEATURES

Modern RISC-computer controlled, wideband, agile, superheterodyne receiver architecture

Automatically adapts selectivity and sensitivity to the threat environment

Reliable detection and digital preprocessing eliminates non-threat RF signals

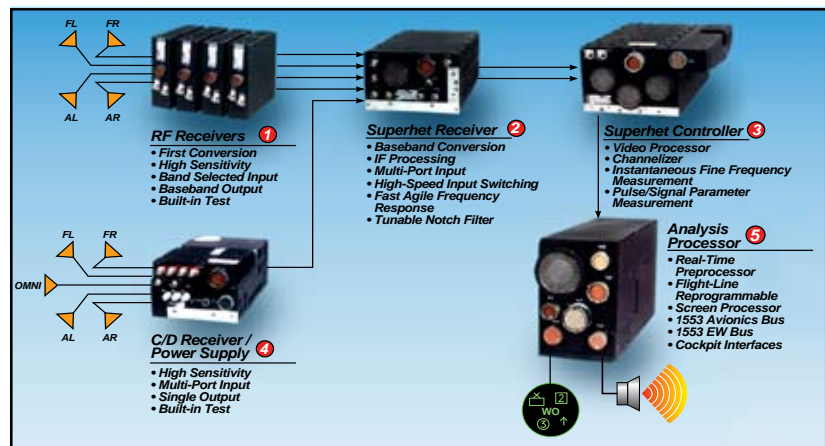
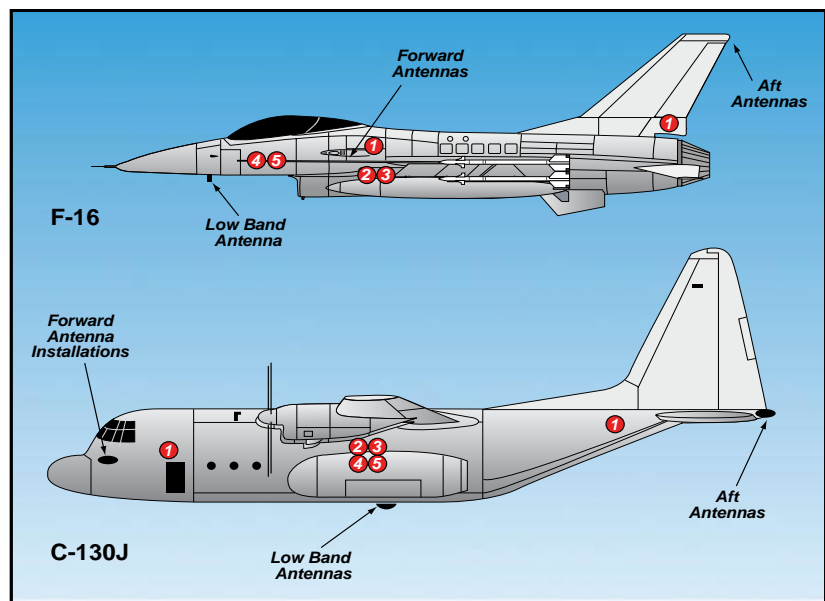
Adaptive high-speed digital signal processing

Adaptive real-time filtering provides protection against high-rate emitters and CW signals

Continuous built-in test and calibration with in-cockpit reporting

Capability growth (e.g., dual pole, mmW, precision location, identification)

Detects and identifies all modern search, acquisition and tracking radars of ground-based and aircraft weapons systems



FOR MORE INFORMATION, CONTACT:

BAE Systems
 P.O. Box 868, NCA1-5707C
 Nashua, N.H. 03061-0868
 Telephone 603-885-6065
 Fax 603-885-9068
 www.eis.na.baesystems.com/ew
 Cleared for open publication 02/01