

APS-707

Airborne radar

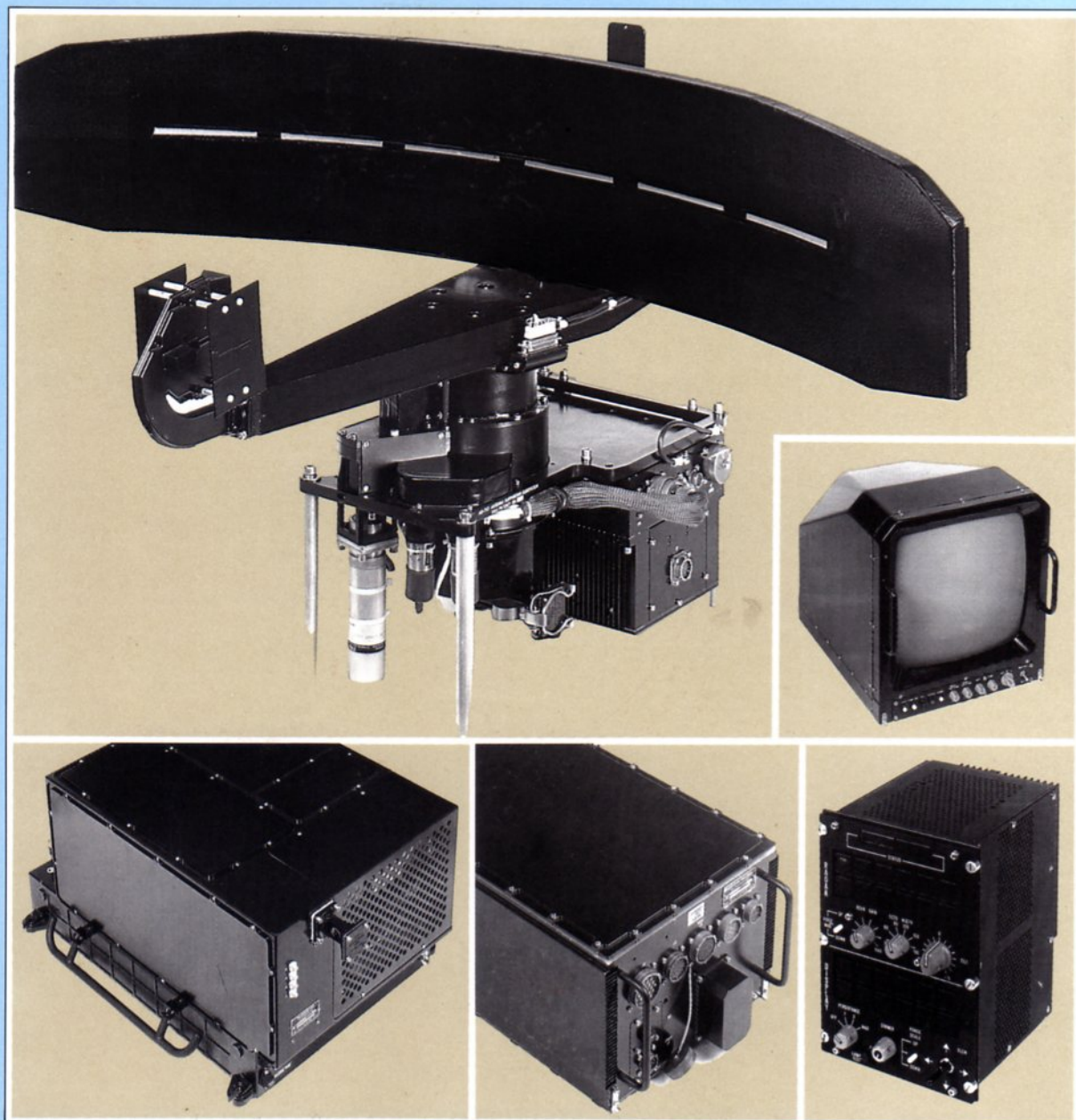
GENERAL

The SMA APS-707 is a military qualified search radar belonging to the SMA avionic radar's series, suitable for airborne installation (aircraft or helicopters) where reduced weight and size, low power consumption and limited costs, have to be enhanced.

The design and construction are in full agreement with the general requirements of MIL-E-5400 Specs. Several modes of operation are available in order to satisfy the requirement of different operational roles; features are provided for the

radar integration in complex avionic mission system.

The equipment consists of five units of easy installation aboard aircraft. It is provided with a digital scan converter and relevant TV monitor: a second small size TV monitor can be installed on the aircraft cockpit. Radar presentation allows the integration with graphic or alphanumeric data from other sensors. The transceiver is characterized by the frequency agility. IFF operation is also possible due to the integration of the IFF antenna in the search one.



OPERATIONAL FEATURES:

- Long range, 360° coverage
- Small target detection
- Target designation to weapon system and assistance to O.T.H.T.
- Radar mapping and beacon receiver
- E.C.C.M. features
- Graphic capability for tactical presentation
- IFF operation

MAIN CHARACTERISTICS:

- X Band-90 KW peak power - Pulse to pulse frequency agility
- Low noise receiver
- TV format presentation on bright monitor
- B.I.T.E.
- High reliability

OPTIONALS UNITS:

- MIL-STD-1553 data bus interface
- Additional cockpit TV monitor display
- TWS
- Sonar I/F



SMA

SEGNALAMENTO MARITTIMO ED AEREO

HEADQUARTERS AND PLANT: 50100 FIRENZE - VIA DEL FERRONE - P.O. BOX 200
CABLE: SMA - FIRENZE - PHONE 055/27.501 - TELEX 570622 SMARAD I - TELEFAX 055-71.49.34
ROMA OFFICE: 00100 ROMA - LUNGOTEVERE FLAMINIO 60 - PHONE 06/39.64.896