



ASELAN Mobile Search Radar is ASELAN's latest 3D radar designed for mobile air defense weapon systems with modern radar design technologies such as digital beamforming and solid state transmit/receive modules.

Operational Features

- 3-D Target Search and Tracking
- Multiple Target Tracking
- Low Reaction Time
- Target Classification
- Advanced Electronic Protection
- Target Set:
 - High Speed Fighter Aircraft
 - Helicopters
 - Hovering Helicopters
 - Unmanned Air Vehicles
 - Air To Surface Missiles and Rockets

Mobile Search Radar

Technical Specifications

- Operating Frequency: X-Band
- Instrumented Range: 50 km
- Azimuth Coverage: 360°
- Elevation Coverage: -5° - +70°

System Units

- Antenna Subsystem
- Antenna Drive Unit
- Signal Processing Unit

Applications

- Air Defense Weapon Systems
- Protection of Critical Sites
- Integration to Command Control Systems
- Low Altitude Air Defense Missile Systems

Design Features

- Active Phased Array Antenna
- Integrated IFF Antenna
- Digital Beamforming
- Solid State Transmit/Receive Modules
- Digital Pulse Compression
- Digital Waveform Generation
- Automatic Determination of Radar Operational Parameters
- Built-in Test
- Compliance with Military Standards (MIL-STD-810G, MIL-STD-461F)