

AN/TPQ-53 Multi-Mission Radar

Trusted To Protect Our Soldiers

Field-proven, Extended Range S-Band AESA Radar

- Q-53 provided critical protection in Operation Iraqi Freedom and Operation Enduring Freedom
- 246,350+ RAM Rounds Seen in Combat
- Emplacement – 10 min. / Displacement – 5 min.
- Integration with Various Command & Control Systems

Highly Reliable, Rapidly Mobile System

- Deployed in Combat since 2010
- International Variant since 2017
- Fleetwide Operational Hours > 1,279,100+ hrs
- Deployed Systems Operational Hours > 651,000+ hrs
- C130 Transportable

Q-53 Technology Maturation

Provides Counter UAS Capability

Equipped with GaN T/R modules and an integrated IFF system, the Q-53 MMR enhances air surveillance capabilities and integrates with C2 and broader weapon systems to quickly detect and defeat threats.

Delivers S-Band Fire Control Capability

The Q-53 integrated with the Forward Area Air Defense Command and Control (FAAD C2) system serves as the primary fire control source for the Army's C-UAS Defeat System, successfully demonstrated at Yuma Proving Ground.

Upgrades Provide Enhanced Survivability

The Receiver Exciter and Signal Processor upgrades further improve the Q-53 performance with Extended Range Missions and Enhanced Resiliency and Survivability in dense electromagnetic and cyber-contested environments

A Field-proven Sensor for Today's and Tomorrow's Threats