FCR
AIR DEFENCE TRACKING
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ASELSAN Fire Control Radar is a mobile Ku band short range 3D track radar for point air defense of critical assets. FCR offers an instrumented range of 30km and can track air targets accurately, adding classification information to target track.

FCR is a monopulse track radar with cassegrain antenna, which employs advanced electronic protection measures; it uses digital pulse compression for high range resolution, low transmission power and pulse coding. It is a compact and easy-to-use mobile radar system to be integrated on military vehicles with track on move capability that can detect separated targets. While sending target and jammer reports to Vehicle Command Control System over its system interface, it can receive commands from the C2 system. FCR is currently the main radar of the Turkish Armed Forces’ mobile Air Defense Gun Systems.

Applications
• Mobile Air Defense Weapon Systems
• Protection of Critical Sites
• Integration to Close-in Weapon Systems

Operational Targets
• High Speed Fighter Aircraft
• Helicopters and Hovering Helicopters
• Unmanned Air Vehicles
• Air to Surface Missiles

Performance/Features
• Monopulse Tracking
• Digital Pulse Compression
• 3-D Accurate Target Tracking
• Classification of Targets
• Operation on Move Capability
• Detection of Separated Target
• Low Reaction Time
• Sector Search
• Advanced ECCM Capabilities

Technical Specifications
• Operating Frequency : Ku Band
• Instrumented Range : 30+ km
• Fighter Tracking Range : > 15 km
• Azimuth Coverage : 360º
• Elevation Positioning : -5º / +85º
• Operating Temperature : -32 / +44 °C
• Storage Temperature : -40 / +63 °C
• Antenna Dimensions : Ø 800mm
• Environmental Spec : MIL-STD-810G