Radar (AN/TPQ-37 Firefinder) - 4x

Pakistan

Type: Building (Surface)

Commissioned: 0

Operator: Army

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:
- AN/TPQ-37 Firefinder - Radar, Radar, Counter-Battery, Max range: 59.3 km

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OVERVIEW: The AN/TPQ-37 Firefinder is a mobile, short-to-medium-range, 3-D, phased array artillery locating radar system operating in the E/F-band.

DETAILS: The AN/TPQ-37 Firefinder is designed to detect and track incoming artillery and rocket fire to determine the point of origin for counter-battery fire. The AN/TPQ-37 also tracks, corrects, and improves the fire of friendly weapons with registration and adjustment data.

Specifications:

Frequency: unknown MHz (E/F Band (NATO), S Band (IEEE))
Power output: unknown kW(average); 120 kW (peak)
PRF: unknown Hz
Range Accuracy: m (range), degrees azimuth
On/Off time: unknown
Deploy/Stow Time unknown minutes/ unknown minutes

Detection Range

Max Range: 50 km Rockets, 30 km artillery rounds

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NOTES: The AN/TPQ-37 Firefinder is truck, C-130 and helo transportable. The U.S. Army combines the AN/TPQ-37 with the AN/TPQ- 36 to field an accurate and mobile Firefinder weapon-locating system. The AN/TPQ-36 would be deployed near the battle line, with the AN/TPQ-37 farther back in friendly territory.

SOURCES: "AN/TPQ-37 Firefinder Radar." Wikipedia, the Free Encyclopedia. Accessed March 28, 2015. http://en.wikipedia.org/wiki/AN/TPQ-37_Firefinder_radars/land/sentinel.html ; ThalesRaython Systems, AN/TPQ-37 Firefinder Weapons Locating System, www.radartutorial.eu/19.kartei/pubs/cms01_050672.pdf