

Radar (AN/TPS-59(V)2) - 198x-03, 5x

Egypt

Type: Mobile Vehicle(s)

Commissioned: 0

Operator: Air Force

Length: 4 m

Width: 6 m

Crew: 0



Sensors / EW:

- AN/TPS-59 - (1978) Radar, Radar, Air Search, 3D Long-Range, Max range: 555.6 km

OVERVIEW: The AN/TPS-59(V)2 is an active Electronic Elevation Scanning Array, 3-D, transportable, air search radar operating in the "D" Band.

DETAILS: The AN/TPS-59(V)2 is used to control air operations and provide long-range surveillance of an assigned airspace.

Specifications:

Frequency: 1.215-1.4 GHz (D Band (NATO), L Band (IEEE))

Power output: unknown

PRF: unknown

Range Resolution: 1.7 degrees (ABT) azimuth (est, based on V3 configuration)

On/Off time: unknown

Deploy/Stow Time 240 minutes/ unknown(est, based on V3 configuration)

Detection Range

Max Range (airbreather (ABT)): 555 km (est, based on V3 configuration)

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NOTES: IOC for AN/TPS-59 in 1985, IOC for V3 upgrade in 1998. The AN/TPS-59(V)2 is transportable on three single-axle trailers, or by helo or C-130. The AN/TPS-59(V)2 was upgraded by Egypt to V(3) standards in 1999-2003.

SOURCES: "AN/TPS-59(V)3 Radar Set." GlobalSecurity.org - Reliable Security Information. Accessed March 22, 2015. <http://www.globalsecurity.org/space/systems/an-tps-59.htm>; Lockheed Martin; The AN/TPS-59(V)3 Tactical Missile Defense Radar System, pg. 2-3, www.radartutorial.eu/19.kartei/pubs/tps-59.pdf