

Radar (AN/TPS-43E) -

United States

Type: Mobile Vehicle(s)

Commissioned: 1978

Operator: Air Force

Length: 4 m

Width: 6 m

Crew: 0



Sensors / EW:

- AN/TPS-43E - Radar, Radar, Air Search, 3D Long-Range, Max range: 444.5 km

OVERVIEW: AN/TPS-43E is a lightweight air and ground transportable 3-D radar designed for use with manned aircraft or surface-to-air missile batteries.

DETAILS: The AN/TPS-43E is transportable 3-dimensional air search radar. The entire system can be broken down and packed into two M35 trucks for road transport.

NOTES: The TPS-43E2 was redesignated the AN/TPS-75 which is the current transportable air control and warning (AC&W) radar used by the United States Air Force. Starting in 1991, most of the US AN/TPS-43 radars were modified to the AN/TPS-75 configuration. The AN/TPS-43E radar was deployed by the Argentine Air Force during the 1982 Falklands War and survived two British attacks with AGM-45 Shrike anti-radar missiles. One of the radars was captured by British forces after the Argentine surrender and deployed at RAF Buchan.

SOURCES: Grundlagen der Radartechnik. "Radar Basics." Accessed December 1, 2013. <http://www.radartutorial.eu/19.kartei/karte804.en.html> ; Federation of American Scientists. "AN/TPS-43." Accessed December 1, 2013. <http://www.fas.org/man/dod-101/sys/ac/equip/an-tps-43.htm>