

Radar (AN/SPS-48E) - 6x

Egypt

Type: Building (Surface)

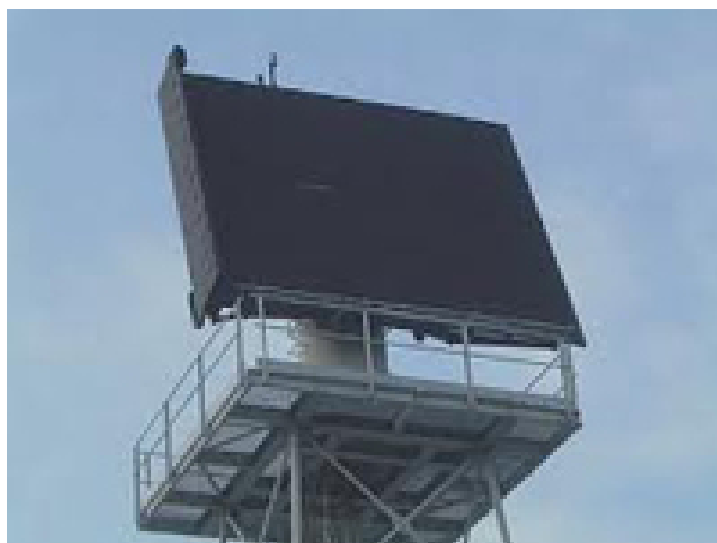
Commissioned: 2006

Operator: Air Force

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- AN/SPS-48E NTU - (1988) Radar, Radar, Air Search, 3D Long-Range, Max range: 407.4 km

OVERVIEW: The AN/SPS-48E is a fixed, long-range 3D surveillance radar operating in the E/F-band

DETAILS: The AN/SPS-48E was developed by the USN for anti-air warfare radar. It features an automatic detection and tracking capability to detect and track multiple air targets automatically; a moving target indicator capability to distinguish moving targets from stationary targets and to improve target detection during the presence of clutter and chaff; and an anti-ship missile detection capability to provide for the early detection of anti-ship missiles launched from aircraft in heavy electronic countermeasures conditions. The AN/SPS-48E is optimized to provide sophisticated and reliable tracking performance in an intense ECM environment. The AN/SPS-48E included a digital receiver and signal processor that could automatically detect and track very small targets, even when jammed.

Specifications:

Frequency: 2-4 GHz (E/F Band (NATO), S Band (IEEE))

Power output: 35 kW(average); kW (peak)

PRF: pps

Accuracy: m (range), 0.16 degrees azimuth

On/Off time: unknown

Deploy/Stow Time: N/A

Detection Range:

Max Range: 460 km

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NOTES: IOC 2004 (approx).

SOURCES: "AN/SPS-48." Wikipedia, the Free Encyclopedia. Accessed April 5, 2015.
<http://en.wikipedia.org/wiki/AN/SPS-48> ; <http://fas.org/man/dod-101/sys/ship/weaps/an-sps-48.htm>