Radar (Odd Pair HF [PRV-13]) -

Soviet Union [-1991]

Type: Building (Surface)
Commissioned: 0
Operator: Air Defence Troops [PVO]
Length: 12 m
Width: 12 m
Crew: 0



Sensors / EW:
- Odd Pair A HF [PRV-13] - Radar, Radar, Height-Finder, Long-Range, Max range: 388.2 km

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OVERVIEW: The PRV-13 radar (NATO name: ODD PAIR) is a height finding radar operating in the "E" Band.

DETAILS: Weapon systems associated with the PRB-13 include the SA-5 GAMMON

Specifications:

Frequency: 2.5-2.7 Ghz (E-Band)
Power output: 1 kW (average); 1.6 MW (peak)
PRF: 400 Hz
Range Resolution: unknown
On/Off time: unknown
Detection Ranges
Fighter size aircraft
500 m altitude: unknown
10000m alt.: 310 km

NOTES: The smaller antenna is possibly used to minimize sidelobes.

SOURCES: Janes Radar and Electronic Warfare Systems "P-14 early-warning radars, 22 October 2004;

http://fas.org/man/dod-101/sys/missile/row/radar-rus.htm ; Radar Basics. (n.d.). Retrieved from http://www.radartutorial.eu/19.kartei/karte916.de.html ; http://www.roaf.ro/en/dotare/prv13_en.php ; http://fas.org/man/dod-101/sys/missile/row/radar-rus.htm ; Rosoboronexport 2003 "Air Defense Systems Export Cataloge" pg. 55