

Radar (Tall King A [P-14]) - 1x + 1x Odd Group

Soviet Union [-1991]

Type: Building (Surface)

Commissioned: 0

Operator: Air Defence Troops [PVO]

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- Tall King A [P-14, 5N84] - (1RL113 Lena, Ewa) Radar, Radar, Air Search, 2D Long-Range, Max range: 592.6 km

OVERVIEW: The P-14 radar (NATO name: TALL KING) is a long-range 2-D early warning radar operating in the "A" Band.

DETAILS: Also known as the 5N84A. Weapon systems associated with the P-14 include the SA-5 GAMMON

Specifications:

Frequency: 150-180 MHz ("A" Band)

Power output: 800 W (average) 700-900 kW (peak)

PRF: 100-200 Hz

Range Resolution: 1200 m

On/Off time: unknown

Detection Ranges

Fighter size aircraft

500 m altitude: unknown

10000m alt.: 300+ km

NOTES: The P-14 entered service in the 1950's. Users include the Soviet Union, Hungary, Peru, Syria, Poland, Iraq and Yugoslavia. VHF radars such as the P-14 remain important, as they can be better at detecting stealth aircraft than more recent, higher frequency radars.

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SOURCES: Janes Radar and Electronic Warfare Systems "P-14 early-warning radars, 22 October 2004; Russian / PLA Low Band Surveillance Radar Systems (Counter LowObservable Technology Radars). (n.d.). Retrieved from <http://www.ausairpower.net/APA-Rus-Low-Band-Radars.html#mozTocId284592> ; P-14 / 5N84A / TALL KING. (n.d.). Retrieved from <http://www.globalsecurity.org/military/world/russia/tall-king.htm> ; Radar Basics. (n.d.). Retrieved from <http://www.radartutorial.eu/19.kartei/karte907.en.html> ; <http://fas.org/man/dod-101/sys/missile/row/radar-rus.htm>