

Radar (Big Back [5N69]) -

Soviet Union [-1991]

Type: Building (Surface)

Commissioned: 1982

Operator: Air Defence Troops [PVO]

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- Big Back [5N69] - (1982) Radar, Radar, Air Search, 3D Long-Range, Max range: 601.9 km

OVERVIEW: The 5N69 radar (NATO name: BIG BACK) is a long range, 3-D early warning/GCI radar operating in the D Band.

DETAILS: Weapons systems associated with the BIG BACK include the SA-5 GAMMON.

Specifications:

Frequency: 1-2 GHz (D Band)

Power output: (average); MW (peak)

PRF: Hz

Range Resolution: km (range)

On/Off time: unknown

Deploy/Stow Time unknown

Max Range: 500+ km

NOTES: IOC 1981. The Big Back radar is designed by the NNIIRT institute in Nizhny Novgorod and is designated 5N69. The BIG BACK likely replaced the P-14 TALL KING and BACK TRAP systems. It is primarily a fixed-site system, but its modular construction allows for a degree of transportability.

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SOURCES: Janes Radar and Electronic Warfare Systems 2002-2003 "5N69 early-warning radars/Ground Controlled Interception (CGI) radar, 02 July 2001, pg. 1982-84 (<http://librarun.org/book/30265/1984>); "S-200 (missile)." Wikipedia, the Free Encyclopedia. Accessed March 21, 2015. [http://en.wikipedia.org/wiki/S-200_\(missile\)#Main_radar_system](http://en.wikipedia.org/wiki/S-200_(missile)#Main_radar_system) ; <http://users.sch.gr/dlabaditis/TH/radars/index.htm>