Radar (High Screen B [9S19M2 Imbir]) - SA-23

Russia [1992-]

Type: Mobile Vehicle(s)
Commissioned: 2014
Operator: Army
Length: 4 m
Width: 6 m
Crew: 0

Sensors / EW:
- High Screen B [9S19M2 Imbir] - (Anti-MRBM, Cruise Missiles) Radar, Radar, Target Indicator, 3D Surface-to-Air, Max range: 250 km

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OVERVIEW: The 9S19M2 Imbir (NATO name: HIGH SCREEN B) is a self-propelled, long range, high power-aperture, coherent, phased array designed for the rapid acquisition and initial tracking of IRBMs, cruise missiles and aircraft. It operates in the I/J Band.

DETAILS: The 9S19M2 HIGH SCREEN B is capable of tracking up to 16 simultaneous targets. ECCM features include a high power Travelling Wave Tube (TWT) source, very low sidelobes and frequency hopping techniques to provide good resistance to jamming.

Specifications:

Frequency: unknown GHz (I/J Band (NATO), X Band (IEEE))
Power output: unknown kW(average); MW (peak)
PRF: unknown Hz
Range Accuracy: 70 m (range), 0.25 degrees azimuth
On/Off time: unknown
Deploy/Stow Time unknown minutes/ minutes

Detection Range
1m2 RCS
Max Detection Range: 185 km

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NOTES: The 9S19 HIGH SCREEN is deployed at the battalion level.

Source: "9K81/9K81-1/9K81M / /SA-12/SA-23 Giant/Gladiator." Air Power Australia. Accessed March 29, 2015. http://www.ausairpower.net/APA-Giant-Gladiator.html#mozTocId126299 ; "9S19 HIGH SCREEN." GlobalSecurity.org - Reliable Security Information. Accessed March 29, 2015. http://www.globalsecurity.org/military/world/russia/high-screen.htm.