

Radar (Bill Board B [9S15M Obzor]) - SA-23

Russia [1992-]

Type: Mobile Vehicle(s)

Commissioned: 2014

Operator: Army

Length: 4 m

Width: 6 m

Crew: 0



Sensors / EW:

- Bill Board B [9S15MV Obzor] - (Anti-Aircraft, SRBM) Radar, Radar, Target Indicator, 3D Surface-to-Air, Max range: 250 km

OVERVIEW: The 9S15M Obzor radar (NATO name: BILL BOARD B) is a mobile, high-capacity 3-D target acquisition radar operating in the F Band.

DETAILS: The BILL BOARD is intended to provide long range early warning of aerial threats and low end TBMs for the S-300V (NATO name SA-12a GLADIATOR/SA-12b GIANT) SAM systems.

ECCM features include cycle to cycle frequency hopping, automatic cancellation of detected jamming signals, low side-lobe levels, and channel blanking. It is capable of locating up to 200 targets per scan. Weapons systems associated with the BILL BOARD include the S-300V (NATO name SA-12a GLADIATOR/SA-12b GIANT)

Specifications:

Frequency: 3-4 GHz (F Band)

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

PRF: unknown Hz

Accuracy: 250 m (range), 0.5 degrees azimuth

On/Off time: unknown

Deploy/Stow Time 5 minutes

Detection Ranges, 3 m2 RCS target

8000m alt.: 315 km

TBMs: 111 km

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NOTES: The BILL BOARD is limited in low level coverage footprint by its antenna elevation.

SOURCES: Janes Radar and Electronic Warfare Systems 2002-2003 "9S15MTZ target acquisition radar", 09 November 2001, pg. 1801-02 (<http://librarun.org/book/30265/1984>);
<http://www.ausairpower.net/APA-Acquisition-GCI.html#mozTocId77869>