

## VSHORAD

### Very Short Range Air Defense Radar

> The ENA-2026B Very Short Range Air Defense Radar (VSHORAD) is designed for detection and tracking of airborne targets, including a wide variety of low radar cross-section (RCS) and low flying targets such as fighter aircraft, ultra-lights and UAVs. The ENA-2026B features a lightweight transportable, X-Band, pulse-Doppler solid-state electronically scanned array.

The radar employs multi-beam elevation coverage through Digital Beam Forming (DBF) and 360° azimuth coverage by antenna rotation, providing accurate target measurements of velocity, range, azimuth and elevation angles target detection and tracking and support of surface-to-air missile weapon systems.

Whether installed as a fixed or mobile radar, the 2026B supports multiple applications including local air defense, border air space protection, and critical infrastructure air space protection. Installation of the radar can be either fixed on the ground or tower, or transportable on a vehicle.



#### MISSIONS



Air Defense



CUAS

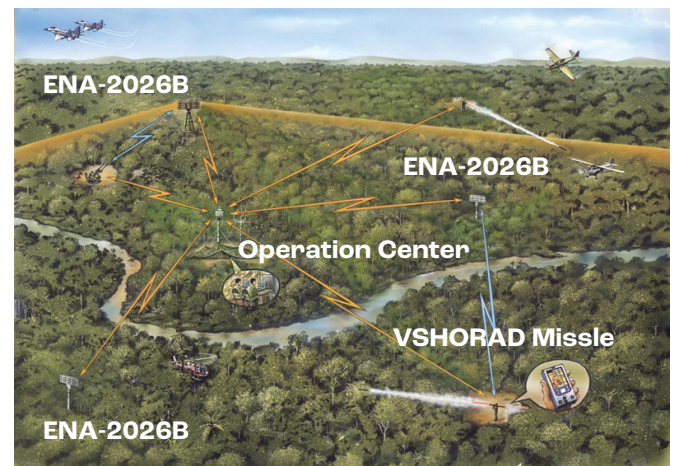
# Features

- Track While Scan of more than 100 targets
- 3D radar with azimuth coverage of 360°
- Operated locally or by remote Command and Control system
- Standalone operation or integrated with additional Air-Defense radars integrated with IFF (option)
- Ethernet LAN communication (wire or wireless)
- High reliability - full solid-state design
- Extensive ECCM capabilities
- Digital technologies:
  - Digital Beam Forming (DBF)
  - Digital Pulse Compression
  - Digital Receivers
- Embedded GPS
- Extensive BIT
- Low power consumption

# Specifications

Description	Parameters	
<b>Instrumental detection range</b>	15.5 mi (25 km)	
<b>Detection range (fighter aircraft)</b>	9.3 mi (15 km)	
<b>Detected target velocity</b>	0 - 600 m/sec	
<b>Update Rate</b>	2 sec (30 rpm)	
<b>Range accuracy</b>	98.5 ft (30 m)	
<b>Azimuth accuracy</b>	0.3°	
<b>Elevation accuracy</b>	0.5°	
<b>Elevation coverage</b>	60°	
<b>Azimuth coverage</b>	360°	
<b>No. of tracked targets</b>	100 by TWS	
<b>Resolution Range</b>	196.9 ft (60 m)	
<b>Azimuth</b>	3.6°	
<b>Elevation</b>	7°	
<b>Frequency</b>	X Band	
<b>Weight (antenna + pedestal)</b>	165.3 lbs (75 kg) (approx.)	
<b>Dimensions (W x H x D)</b>	<b>Antenna</b>	<b>Pedestal</b>
	7.8 x 43.3 x 29.5 in (200 x 1100 x 750 mm)	14.3 x 8.8 x 8.7 in (364 x 223 x 220 mm)
<b>Power consumption</b>	500 W (approx.)	
<b>Operating voltage</b>	28 Vdc (nominal)	
<b>Operation temperature</b>	-30° C - +55° C	

## Air Defense Deployment



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