



Stella Doradus Ireland Ltd.

High Performance Base Station Series Part No. 26 SD9890NV - SUS5



The 26 SD9890NV - SUS 5 is a high gain base station antenna with suppressed upper side lobes designed for use in high density RF environments.

The excellent radiation characteristics are the distinguishing features of these antennas.

Electrical Specification

Gain	16dBi
3dB beam Pattern	Azimuth 90°
	Elevation 9.5°
Upper side lobe suppression	<-18dBi
Bandwidth	2.5-2.7GHz
Reflection	-15.0dB
Front to Back Ratio	30dB
Polarization	Vertical
Power Rating	25W
Impedance	50 ohms
Termination	Fixed N- female
Cross Pol. Discrimination	30dB
Electrical tilt	5 degrees

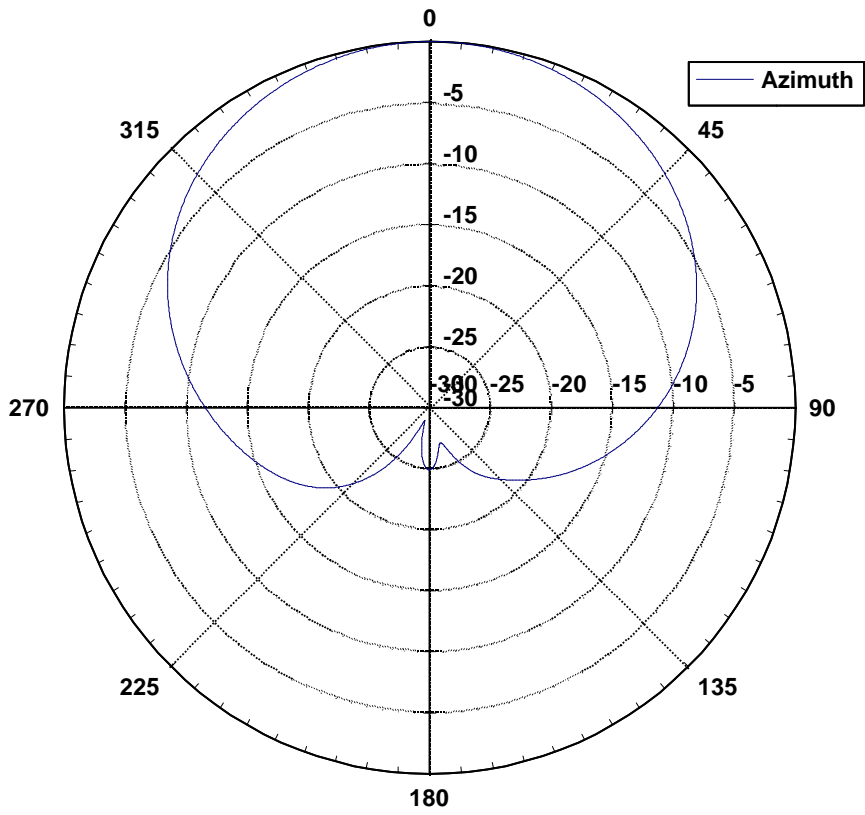
Mechanical Specifications

Length	35.75 inches
Width	5.5 inches
Depth	4.7 inches
Weight	8.5lbs
Windage(at 125mph)	86lbs front face on
Mechanical Tilt	N/A
Mounting Pipe	4 inch pipe

Materials

Radiating Element	Beam forming PCB dipole array
Radome	Aluminium + ABS Grey
Clamps	HDG steel + stainless steel bolts

Azimuth Pattern



26 SD9890NV-SUS 5 Elevation Pattern

