



# Stella Doradus Ireland Ltd.

## 3.7GHz 37 SD9890NV High Performance Base Station



*The 37 SD9890NV is a high gain base station antenna 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	90° x 7°
Bandwidth	3.6-3.8GHz
Reflection	-16.5dB
Front to Back Ratio	25dB
Polarization	Vertical
Power Rating	25W
Impedance	50 ohms
Termination	Fixed N- female
Cross Pol. Discrimination	30dB

### Mechanical Specifications

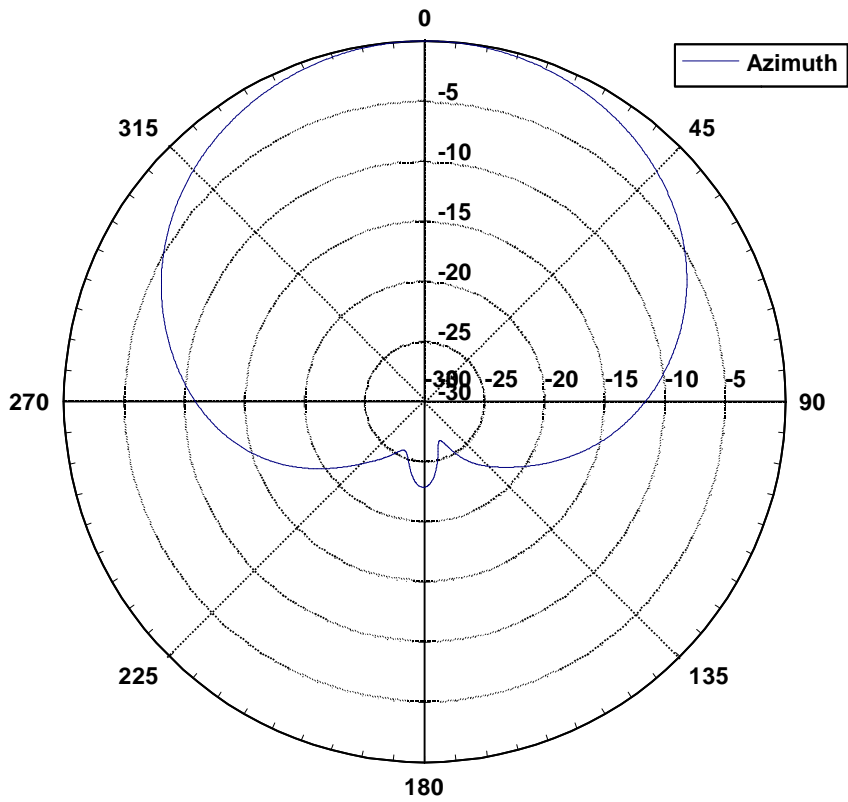
Length	71cm
Width	14cm
Depth	12cm
Weight (excl. brackets)	2.5kg
Windage(at 200kmph)	298N
Mechanical Tilt	0-7 degrees
Mounting Pipe	4 inch pipe

### Materials

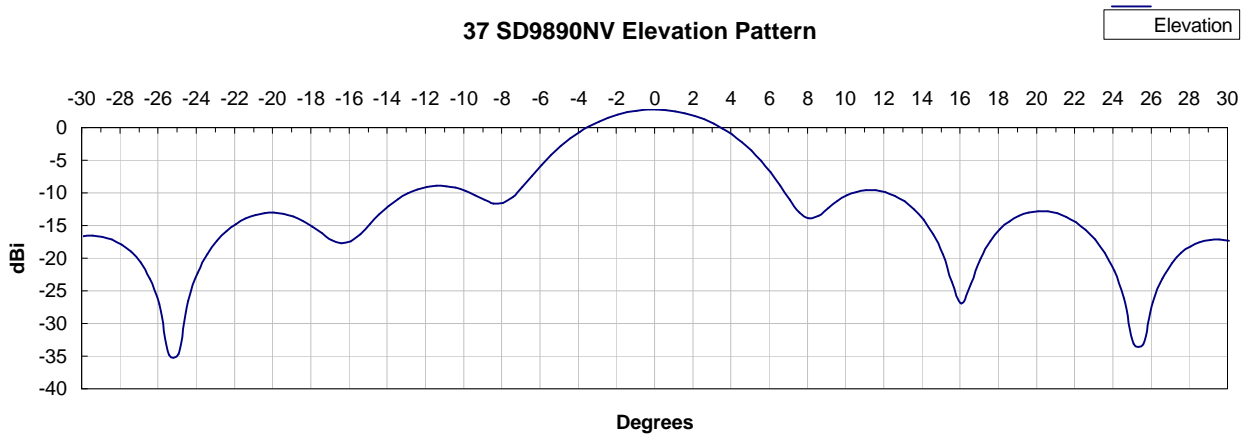
Radiating Element	Beam forming PCB dipole array
Radome	Aluminium + ABS Grey
Clamps	HDG steel + stainless steel bolts

Specification subject to change without notice.  
Warranty: 2 years from date of shipment from factory, against defects in materials and workmanship.  
Please refer to warranty document for full details.

**Azimuth Pattern**



**37 SD9890NV Elevation Pattern**



Specification subject to change without notice.  
Warranty: 2 years from date of shipment from factory, against defects in materials and workmanship.  
Please refer to warranty document for full details.