



# Stella Doradus Ireland Ltd.

**Cross polarized Wimax Base Station Antennas**  
**Part No. 26 9008 XP**  
**2.5 - 2.7GHz**



*The 26 9008 XP 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                      |           | 16.5dBi             |
| 3dB beam Pattern          | Azimuth   | 90°                 |
|                           | Elevation | 7.5°                |
| Bandwidth                 |           | 2.5 - 2.7GHz        |
| Reflection                |           | -16.5dB             |
| Front to Back Ratio       |           | 31dB                |
| Polarization              |           | Dual Pol +/- 45 deg |
| Power Rating              |           | 50W average         |
| Impedance                 |           | 50 ohms             |
| Termination               |           | 2 x Fixed N- female |
| Cross Pol. Discrimination |           | ≤ -20dB             |
| Surge Protection          |           | Built in            |

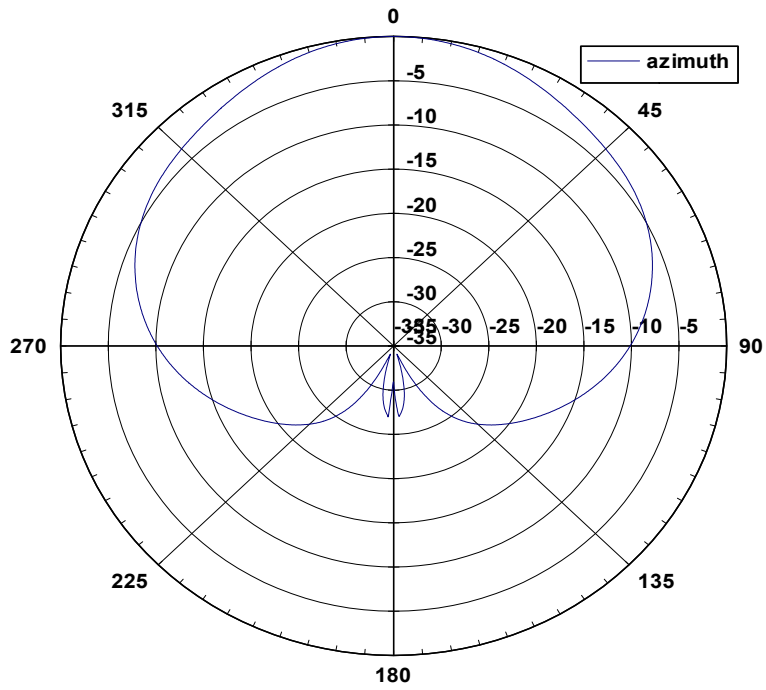
## Mechanical Specifications

|                     |             |
|---------------------|-------------|
| Length              | 91cm        |
| Width               | 23.5cm      |
| Depth               | 8.8 cm      |
| Weight              | 3.5kg       |
| Windage(at 200kmph) | 61.5kg      |
| Mechanical Tilt     | 0-7 degrees |
| Mounting Pipe       | 10cm pipe   |

## Materials

|                   |   |
|-------------------|---|
| Radiating Element | Beam forming PCB patch array            |
| Radome            | Steel + UV stabilized Polystyrene White |
| Clamps            | HDG steel + stainless steel bolts       |

26 9008 XP Azimuth Pattern



26 9008 XP Elevation Pattern

