



# Stella Doradus Ireland Ltd.

## 2.2GHz 180 degree Base Station antenna Part No.: 22 18005



*The 22 18005 is a base station point to point antenna designed for use in high density RF environments  
The excellent radiation characteristics are the distinguishing features of these antennas*

### Electrical Specifications

|                           |            |
|---------------------------|------------|
| Gain                      | 16dBi      |
| 3dB beam Pattern          | 180° x 5°  |
| Bandwidth                 | 2.1-2.3GHz |
| VSWR                      | 1.8 : 1    |
| Front to Back Ratio       | 20dB       |
| Polarization              | Vertical   |
| Power Rating              | 50W        |
| Impedance                 | 50 ohms    |
| Termination               | N-female   |
| Cross Pol. Discrimination | 22dB       |
| Surge Protection          | Built in   |

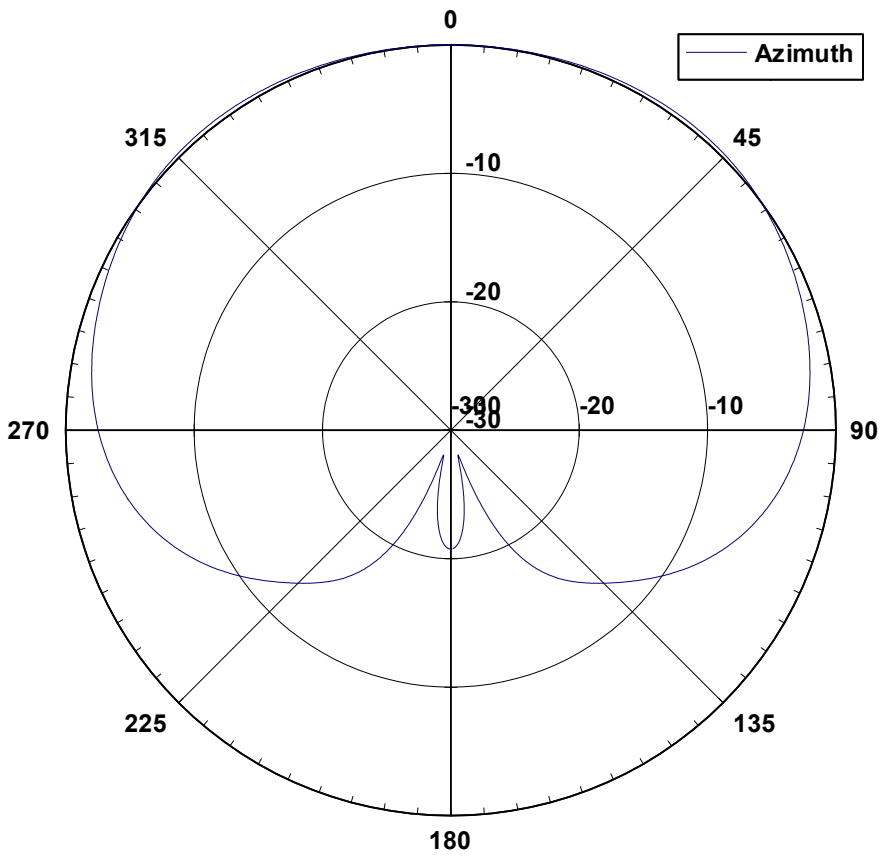
### Mechanical Specifications

|                     |                |
|---------------------|----------------|
| Length              | 160cm          |
| Width               | 23cm           |
| Depth               | 14 cm          |
| Weight              | 20Kg           |
| Windage(at 215kmph) | 106kg          |
| Mechanical Tilt     | 0-25 degrees   |
| Mounting Pipe       | 11 cm pipe max |

### Materials

|                   |                                    |
|-------------------|------------------------------------|
| Radiating Element | Beam forming PCB patch array       |
| Radome ( feed )   | ABS Grey                           |
| Clamps            | HDG steel + galvanised steel bolts |

**22 18005 Azimuth Pattern**



**22 18005 Elevation Pattern**

