



Stella Doradus Ireland Ltd.

5.8GHz Base Station antenna Part No.: 58 18005



*The 58 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 | 5.7-5.9GHz |
| VSWR | 1.8 : 1 |
| Front to Back Ratio | 31dB |
| Polarization | Vertical |
| Power Rating | 50W |
| Impedance | 50 ohms |
| Termination | N-female |
| Cross Pol. Discrimination | 22dB |
| Surge Protection | Built in |

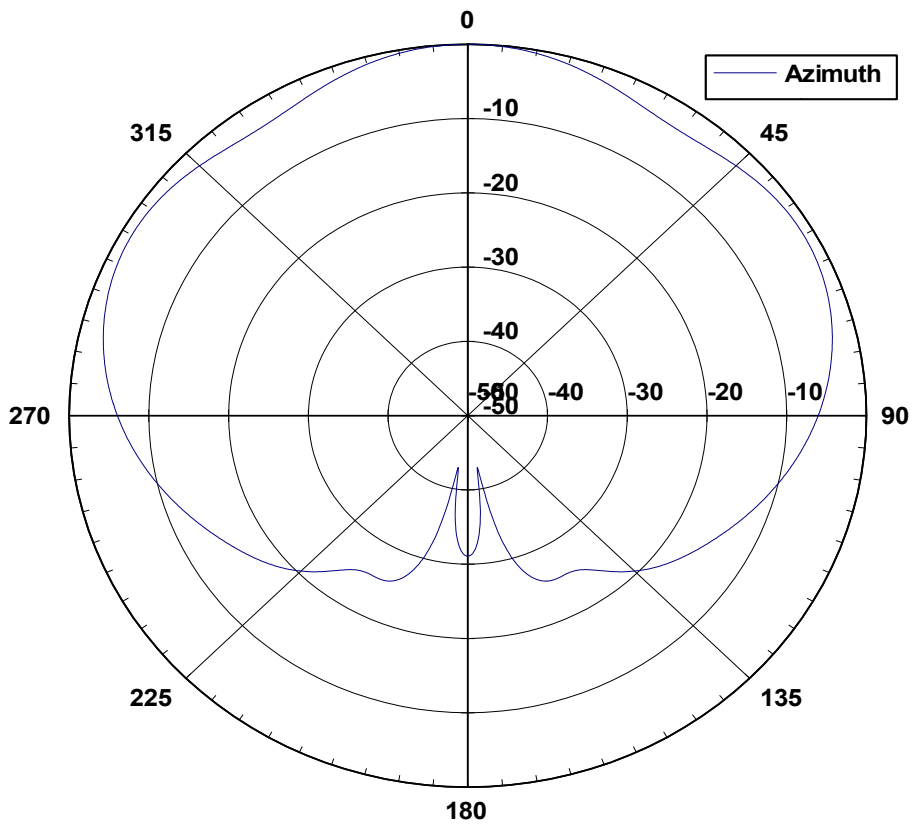
Mechanical Specifications

| | |
|---------------------|-------------|
| Length | 70cm |
| Width | 12.2cm |
| Depth | 5.5 cm |
| Weight | 0.7kg |
| Windage(at 215kmph) | 24.6kg |
| Mechanical Tilt | 0-7 degrees |
| Mounting Pipe | 5cm pipe |

Materials

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

58 18005 Azimuth Pattern



58 18005 Elevation Pattern

