



Stella Doradus Ireland Ltd.

2.4GHz High Gain Base Station Part No.: 24 4510H



The 24 4510H 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 | 19dBi |
| 3dB beam Pattern | 45° x 10° |
| Bandwidth | 2.4-2.485GHz |
| VSWR | 1.55 : 1 |
| Front to Back Ratio | 33.5dB |
| Polarization | Horizontal |
| Power Rating | 250W |
| Impedance | 50 ohms |
| Termination | Fixed N- female |
| Cross Pol. Discrimination | 28dB min after 100 degrees |

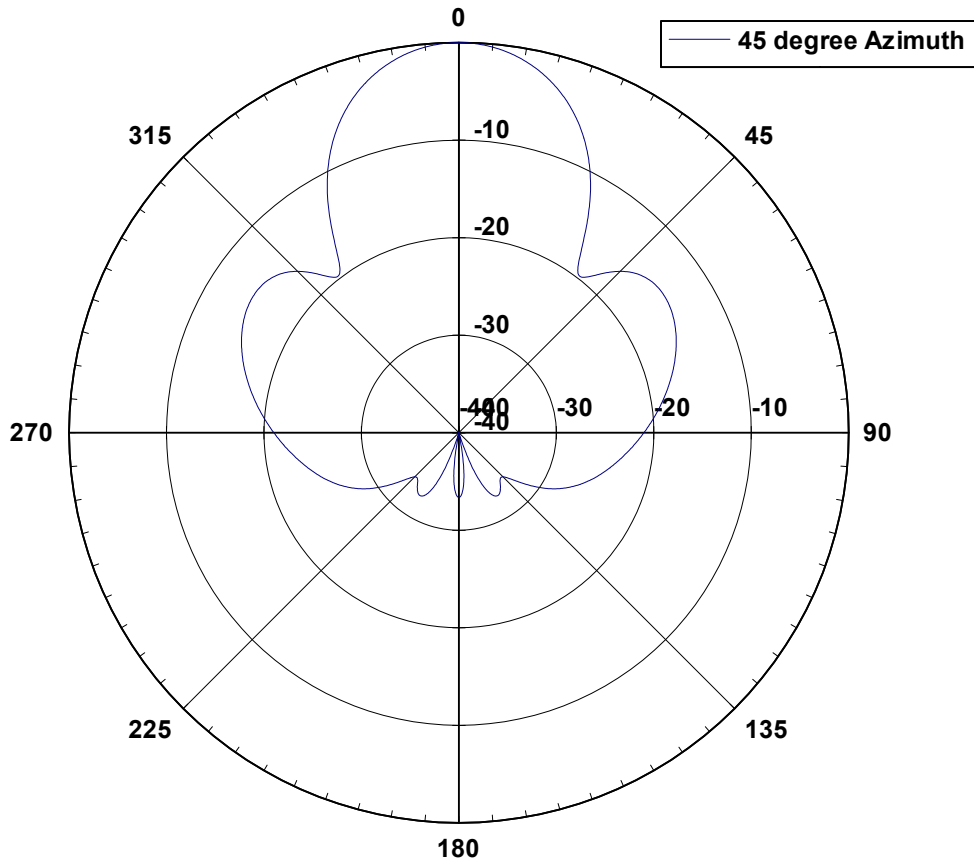
Mechanical Specifications

| | |
|--------------------|-----------------------------|
| Length | 110cm |
| Width | 24cm |
| Depth | 16cm |
| Weight | 7.8Kg + brackets |
| Windage(at 125mph) | 76kg (178lbs) front face on |
| Mechanical Tilt | 0-10 degrees |
| Mounting Pipe | 10 cm pipe |

Materials

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

24 4510H Azimuth Pattern



24 4510H Elevation Pattern

