



Stella Doradus Ireland Ltd.

19 8080H 1.9GHz Planar Antenna



*The 19 8080H is an indoor or outdoor pole mounted antenna. Adjustable elevation or horizontal tilt are available
The excellent radiation characteristics are the distinguishing features of these well priced antennas*

Electrical Specification

| | |
|---------------------------|------------------------------|
| Gain | 9dBi |
| 3dB beam Pattern | 75° x 50° |
| Bandwidth | 1.75-1.85GHz |
| VSWR | 1.8 : 1 |
| Front to Back Ratio | 20dB |
| Polarization | Horizontal |
| Power Rating | 50W |
| Impedance | 50 ohms |
| Termination | Fixed N-female or SMA female |
| Cross Pol. Discrimination | -20dB after 55 deg |
| Surge Protection | Built in |

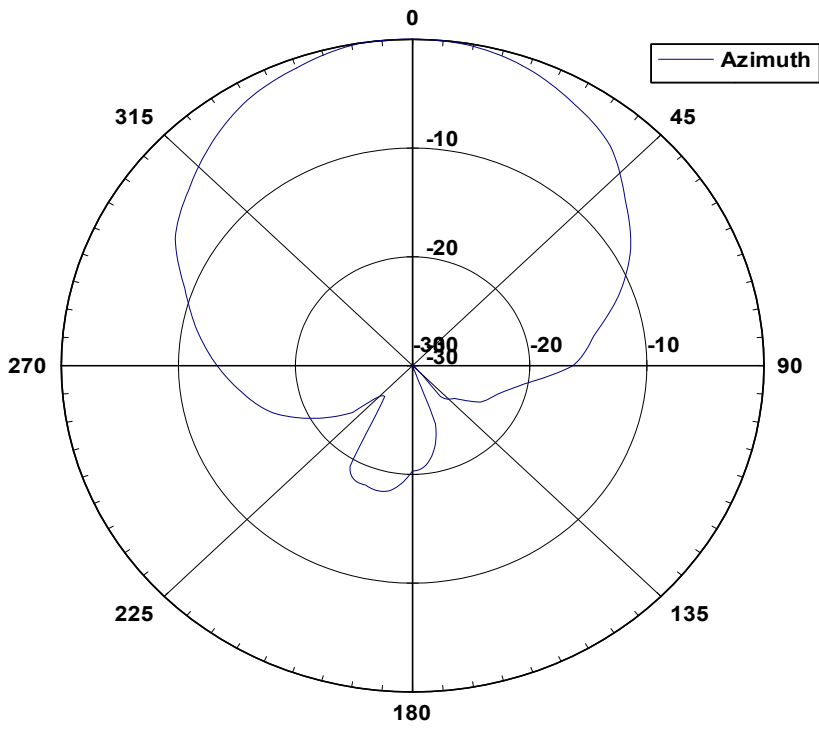
Mechanical Specifications

| | |
|---------------------|--------------|
| Length | 24cm |
| Width | 23cm |
| Depth | 3 cm |
| Weight | 1Kg |
| Windage(at 215kmph) | 16.2kg |
| Mechanical Tilt | 0-25 degrees |
| Mounting Pipe | 5 cm pipe |

Materials

| | |
|-------------------|-------------------------------|
| Radiating Element | PCB patch array |
| Radome (feed) | ABS Grey |
| Clamps | HDG steel + zinc plated bolts |

19 8080H Azimuth Pattern



19 8080H Elevation Pattern

