

# Instruction Sheet

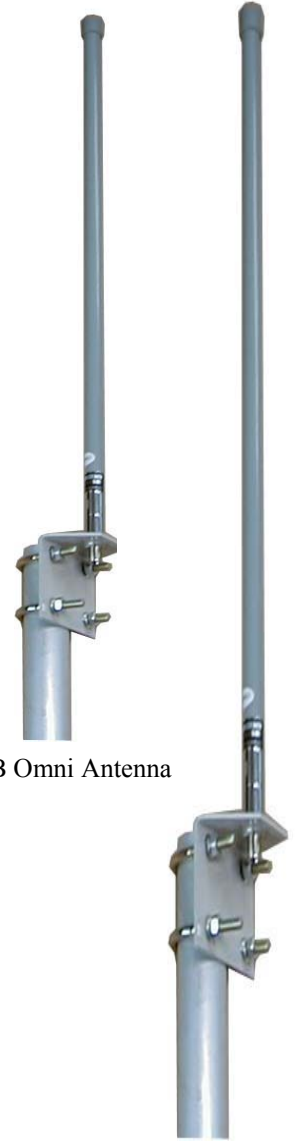
## OD24-9/12

### Omni-directional Antennas

- Step 1:** Remove helix nut and washer from the N Female Connector.
- Step 2:** Slide connector through hole in mounting bracket.
- Step 3:** Put washer and helix nut back on the N connector and tighten to 45 in lbs.
- Step 4:** Loosen nuts on the U-bolts so that it is big enough to fit pole diameter.
- Step 5:** Put U-bolts over the pole and tighten nuts to 35 in lbs.

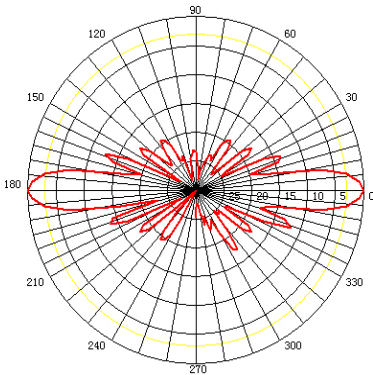
| Parameter                    | Min     | Typ   | Max       | Units      |
|------------------------------|---------|-------|-----------|------------|
| <i>Frequency Range</i>       | 2400    |       | 2484      | MHz        |
| <i>VSWR</i>                  |         | 1.5:1 |           |            |
| <i>Impedance</i>             |         | 50    |           | OHM        |
| <i>Input Power</i>           |         |       | 100       | W          |
| <i>Pole Diameter (OD)</i>    | 1<br>25 |       | 2<br>31.8 | inch<br>mm |
| <i>Operating Temperature</i> | -40     |       | +60       | Deg C      |

| 2400 - 2484 MHz            | OD24-9  | OD24-12 |
|----------------------------|---------|---------|
| <i>Gain</i>                | 9dB     | 12dB    |
| <i>Vertical Beam Width</i> | 14deg   | 7 deg   |
| <i>Rated Wind Velocity</i> | 125mph  | 125mph  |
| <i>Weight</i>              | 1.1 Lbs | 1.4 Lbs |
| <i>Dimension (L)</i>       | 20"     | 48"     |
| <i>Electrical Downtilt</i> | -       | 3 Deg   |

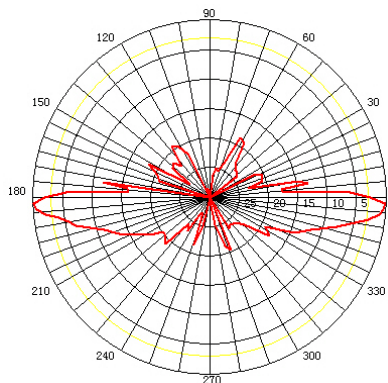


9dB Omni Antenna

12dB Omni Antenna



9dB Vertical Antenna Pattern – E Plane



12dB Vertical Antenna Pattern – E Plane