

## 800/900 V-POL Omni Antenna

- Stable Electrical performance across entire band
- High quality mechanical package provides IP 66 rating

| Electrical Specifications                |                     |         |
|--|---------------------|---------|
| Frequency Range                          | 870-970 MHz         |         |
| Gain                                     | 9.0dBd              | 11.1dBi |
| VSWR (Return Loss)                       | <1.5:1 (14dB)       |         |
| Passive IM 3 <sup>rd</sup> Order (2x20W) | -150 dBc            |         |
| Peak Instantaneous Power (PIP)           | 20 kW               |         |
| Power Input                              | 400 W               |         |
| Vertical Beamwidth                       | 9°                  |         |
| Horizontal Beamwidth                     | Omni +/-0.25 dB     |         |
| Input                                    | 7-16 DIN Female     | D7      |
|  | 4.3-10 DIN Female   | D4      |
|  | N-Type Female       | NF      |
| Beam Tilt                                | 0-10 degree options |         |

| Mechanical Specifications       |                             |      |
|---------------------------------|-----------------------------|------|
| Configuration                   | Corporate Feed PC Dipole    |      |
| Length                          | 98"                         |      |
| Radome Diameter                 | 2.0"                        |      |
| Weight                          | 17 lbs                      |      |
| Shipping Weight                 | 25 lbs                      |      |
| Shipping Dimensions             | L                           | 104" |
|                                 | W                           | 4"   |
|                                 | H                           | 4"   |
| Mounting Area                   | 12.0" x 2.5" diam. aluminum |      |
| Suggested Clamps (not included) | PLMTKIT                     |      |



| Environmental Specifications |                                |
|------------------------------|--------------------------------|
| Operating Temperature        | -58° to +140°F (-50°C to 60°C) |
| IP Rating                    | 66                             |
| Projected Area               | 1.36 ft2 (no ice)              |
|                              | 2.04 ft2 (with ice)            |
| Lateral Thrust @ 100mph      | 54 lbs-force                   |
| Wind Gust Rating             | 125 mph                        |

### ATC-GC9V80-X-Y-Z

X = Input Connector [D7 for 7-16 DIN(f); D4 for 4.3-10 DIN(f); NF for N-Type(f)]

Y = Beam Tilt [1-10]

Z = Null Fill [NF]

### Standard Elevation Pattern

