

## 700/800 MHz V-POL Omni Antenna

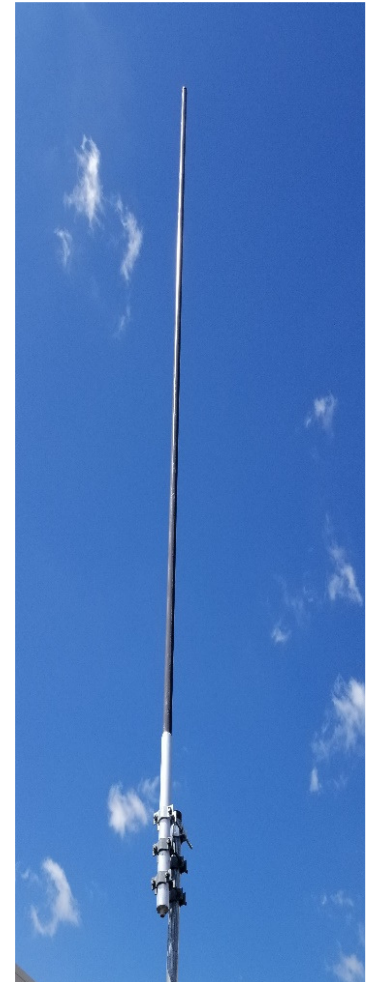
- Stable Electrical performance across entire band
- High quality mechanical package provides IP 66 rating

### Electrical Specifications

Frequency Range	870-970 MHz	
Gain	10 dBd	
VSWR (Return Loss)	<1.5:1 (14dB)	
Passive IM 3 <sup>rd</sup> Order (2x20W)	-150 dBc	
Peak Instantaneous Power (PIP)	25 kW	
Power Input	400 W	
Vertical Beamwidth	6°	
Horizontal Beamwidth	Omni +/-0.5 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	150"	
Radome Diameter	2"	
Weight	25 lbs	
Shipping Weight	39 lbs	
Shipping Dimensions	L	152"
	W	4"
	H	4"
Mounting Area	12.0" x 2.5" diam. aluminum	
Suggested Clamps (not included)	PLMTKIT-1	



### Environmental Specifications

Operating Temperature	-58° to +140°F (-50°C to 60°C)	
IP Rating	66	
Projected Area	2.08 ft2 (no ice) 3.13 ft2 (with ice)	
Lateral Thrust @ 100mph	83 lbs-force	
Wind Gust Rating	150 mph	

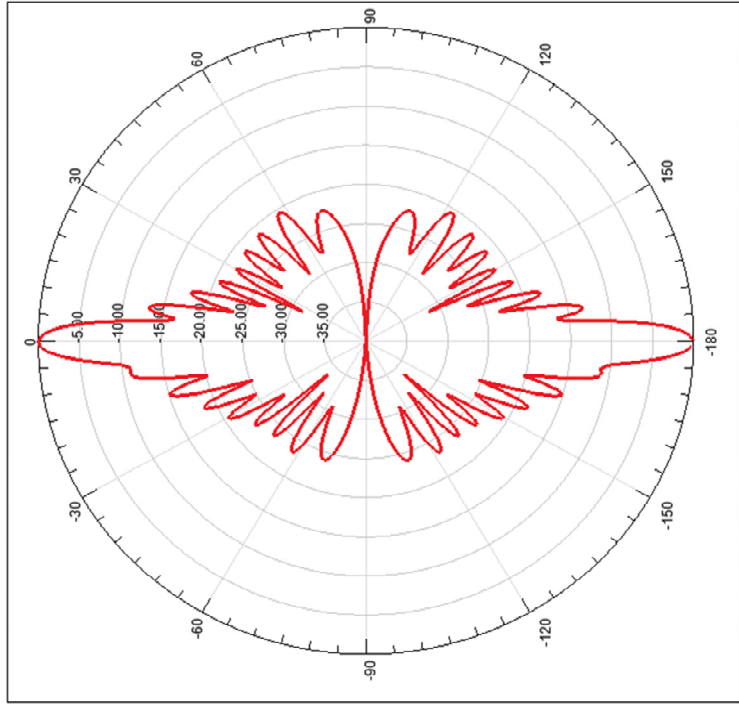
### ATC-GC9V100-**X-Y-Z**

**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**



**Heavy Null Fill**

