

High Gain 700/800 MHz V-POL Omni

- OEM Quality Broadband Performance
 - Rated for 500 Watts Continuous Power
 - -150 dBc PIM Rating
- Stable Electrical performance across entire band
- High quality mechanical package provides IP 66 rating
- Available with null-fill and/or beam tilt configurations

Electrical Specifications

Frequency Range	746-870 MHz
Gain	10.5 dBd
VSWR (Return Loss)	<1.5:1 (14dB)
Passive IM 3 rd Order (2x20W)	-150 dBc
Peak Instantaneous Power (PIP)	25 kW
Power Input	500 W
Vertical Beamwidth	4.5°
Horizontal Beamwidth	Omni +/-0.5 dB
Input	7-16 DIN Female D7
	4.3-10 DIN Female D4
Beam Tilt	0-10 degree options

Mechanical Specifications

Configuration	Corporate Fed Dipole Array
Length	184"
Radome Diameter	3.0"
Weight	32 lbs
Shipping Weight	46 lbs
Shipping Dimensions	L 186"
	W 4"
	H 4"
Mounting Area	24.0 x 3.5" diam. aluminum
Suggested Clamps (not included)	PLMTKIT-1

Environmental Specifications

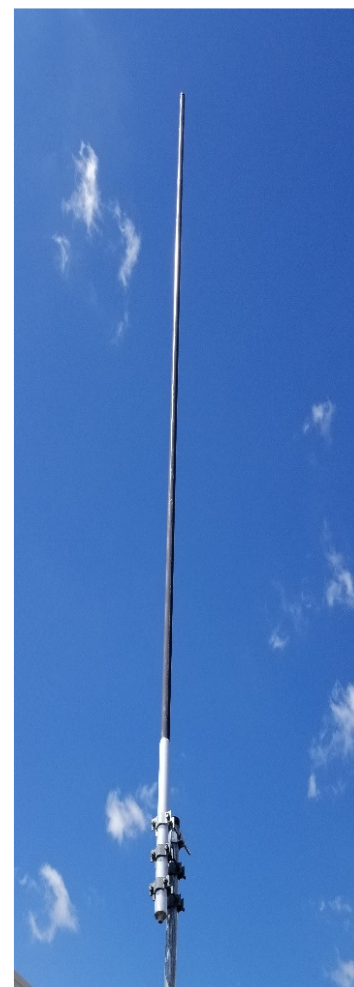
Operating Temperature	-40° to +140°F (-40°C to 60°C)
IP Rating	66
Projected Area	3.83 ft2 (no ice) 5.11 ft2 (with ice)
Lateral Thrust @ 100mph	153 lbs.
Wind Gust Rating	150 mph

ATC-GC7V110-**X-Y-Z**

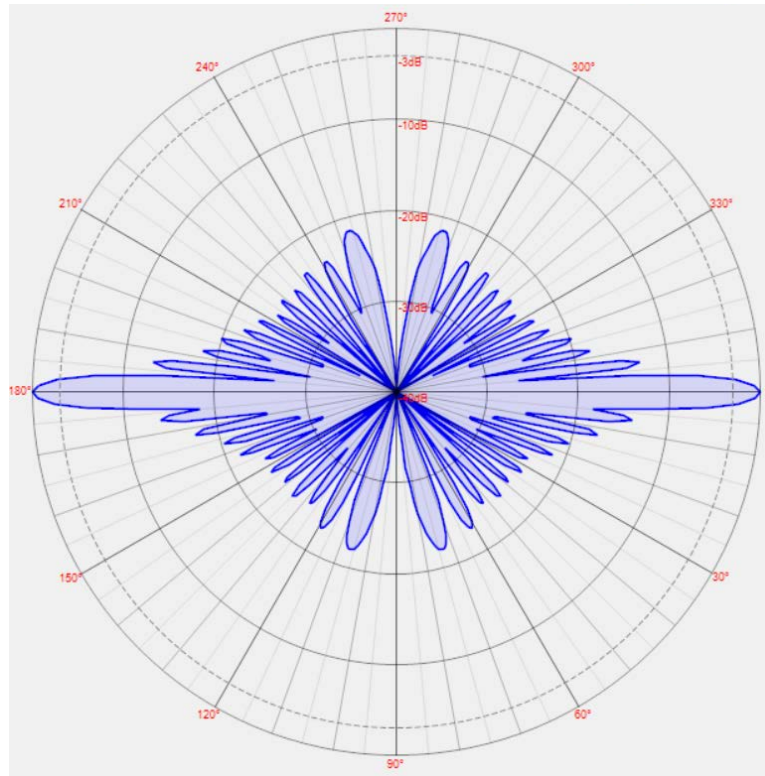
X = Input Connector [D7 for 7-16 DIN(f); D4 for 4.3-10 DIN(f)]

Y = Beam Tilt [1-10]

Z = Null Fill [NF]



Standard Elevation Pattern



Heavy Null Fill

