



## VHF Collinear Omni Antenna

Electrical Specifications		
Frequency Range	-0	150-160 MHz
	-1	156-160 MHz
	-2	162-174 MHz
Gain	5.2 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	500 W	
Vertical Beamwidth	16°	
Horizontal Beamwidth	Omni +/-0.5 dB	
Input	7-16 DIN Female	D7
	4.3-10 DIN Female	D4

Mechanical Specifications		
Configuration	Collinear 4 dipoles Series fed	
Length	256"	
Radome Diameter	3.0"	
Weight	46 lbs	
Shipping Weight	76 lbs	
Shipping Dimensions	L	265"
	W	4"
	H	4"
Projected Area	3.73 ft <sup>2</sup> (no ice)	
	4.0 ft <sup>2</sup> (with ice)	
Lateral Thrust @ 100mph	149 lbs	
Mounting Area	30.0" x 3.5" diam. aluminum	
Suggested Clamps (not included)	PLMTKIT-1	
Wind Gust Rating	150 mph	

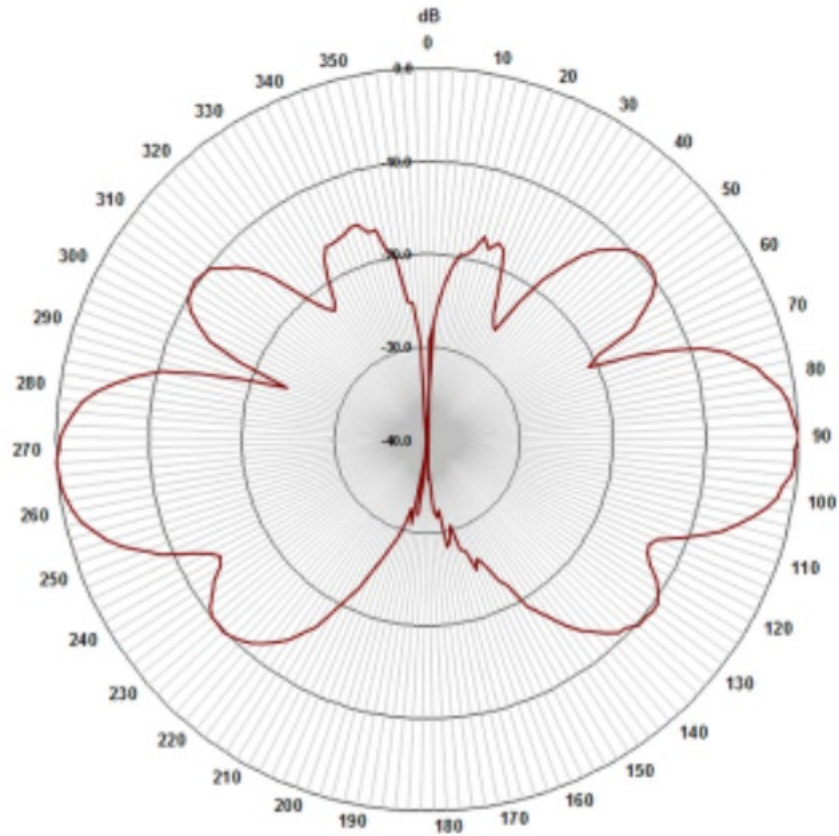


### ATC-GC1V40-**X**-**Y**

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

**Y** = Frequency Detail [0-2]

**Standard Elevation Pattern**



**Null Fill**