



## Collinear Omnidirectional Antenna

The 928-70 Collinear Omni Antenna is available in three frequency splits: 746-806; 806-869 or 885-960 within the 746 to 960 MHz range.

The antennas have an 8.5 dBd gain, and offer 3 fixed Electrical Downtilt options, based on customer requirements.

The antenna is constructed with a high-quality fiberglass light-grey radome. The aluminum mounting hardware is included with the antenna.

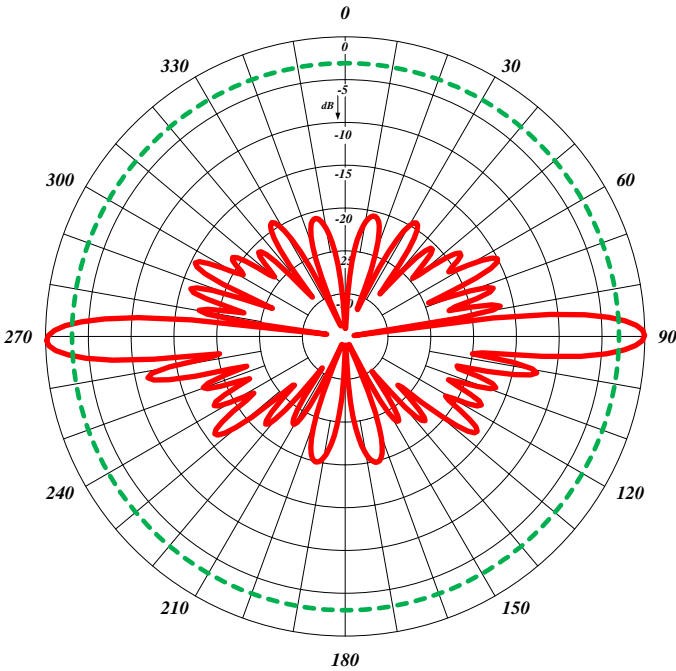
This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

Electrical Specifications	928-70
Frequency Range, MHz (in splits)	746-806; 806-869; 885-960
Nominal Gain, dBd	8.5
Bandwidth 1.4:1 VSWR, MHz	75
Polarization	Vertical
Horizontal Beamwidth (°)	360
Vertical Beamwidth (°)	6.5
Electrical Downtilt—Fixed (Options) (°)	0, 3, 6
Pattern	Omnidirectional
Passive Intermodulation (PIM @ 2 X 43 dBm), dBc	< -150
Power Rating, Watts	500
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	Type N Male for standard version – DIN 7/16 or 4.3/10 for Low-PIM
Mechanical Specifications	928-70
Max. Length, in (mm)	130 (3310)
Diameter, in (mm)	2 (52)
Weight, lbs. (kg) - with mounting kit	26 (11.8)
Rated Wind Velocity, mph (km/h)	124 (200)
Lateral Thrust @ 100 mph (161 km/h) – lbf (N)	
Radome Material	Fiberglass, light grey, RAL 7035
Radiating Element Material	Brass
Operational Temperature, °C	-55 to 70
Mounting Hardware Included	Pole mount included

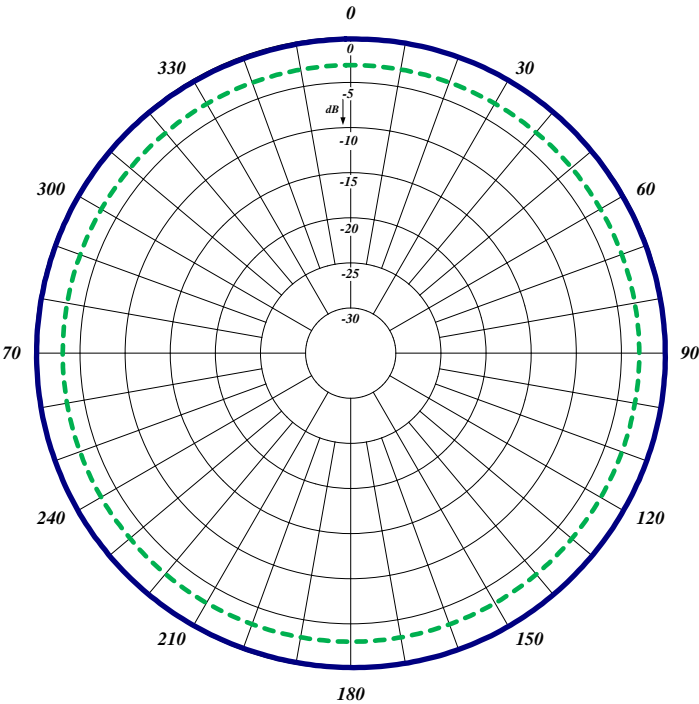




928-70



Vertical Pattern



Horizontal Pattern