



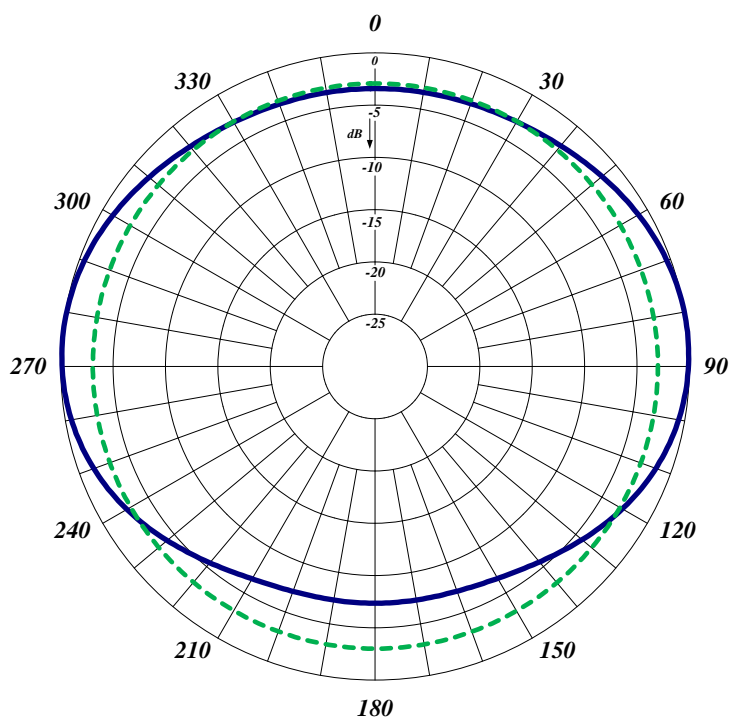
774-70-HDWTMP*1-1/2

The 774-70-HDWTMP*1-1/2 is a Wide Band, Low PIM, and Heavy Duty Welded UHF Antenna. It is an extremely rugged 4 dipole Antenna designed for multicoupled systems. All our antennas can be customized to your particular applications. This antenna is configured for top mount. The 774-70-HDWTMP*1-1/2 antenna has internal cabling and fixed dipole-mast spacing.

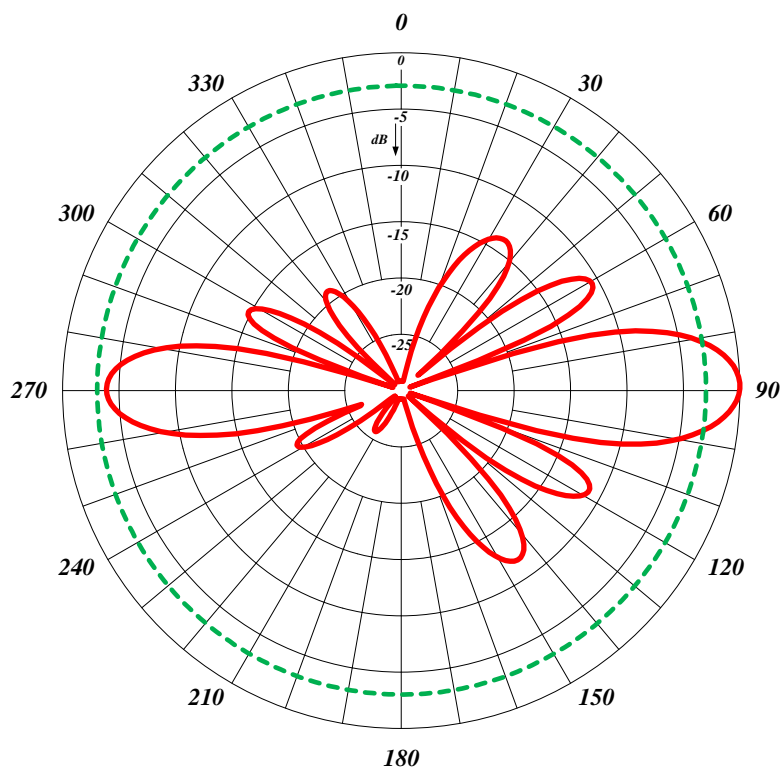
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/2 wave length spacing version offering bi-directional radiation pattern.
- Standard connector is 7/16 DIN-Male and optional 4.3-10 is also available.

Electrical Specifications	774-70-HDWTMP*1-1/2
Frequency Range, MHz	380-430
Nominal Gain, dBd	8.0-8.5
Number of Dipoles	4
Bandwidth 1.5:1 VSWR, MHz	50
Polarization	Vertical
Pattern	Bi-directional
Power Rating, Watts	300
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Temperature Range	-40 to +60 C°
Connector	7/16 DIN, 4.3/10 connector available upon request
PIM	150 dBc (2 x 20W carriers)
Mechanical Specifications	774-70-HDWTMP*1-1/2
Length, in (mm)	126 (3200)
Width (1/2 Wave Spacing), in (mm)	16 (406)
Weight, lbs. (kg)	24 (11)
Rated Wind Velocity, No Ice, mph (km/h)	175 (282)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	150 (241)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	75 (34)
Bending Moment @ top clamp: 100 mph, ft.*lb (kg*m)	193 (26.7)
Projected Area, ft² (m²)	2.88 (0.128)
Mounting Information Mast O.D. (mm)	2.38" (60)





Horizontal Radiation pattern



Vertical Radiation pattern