



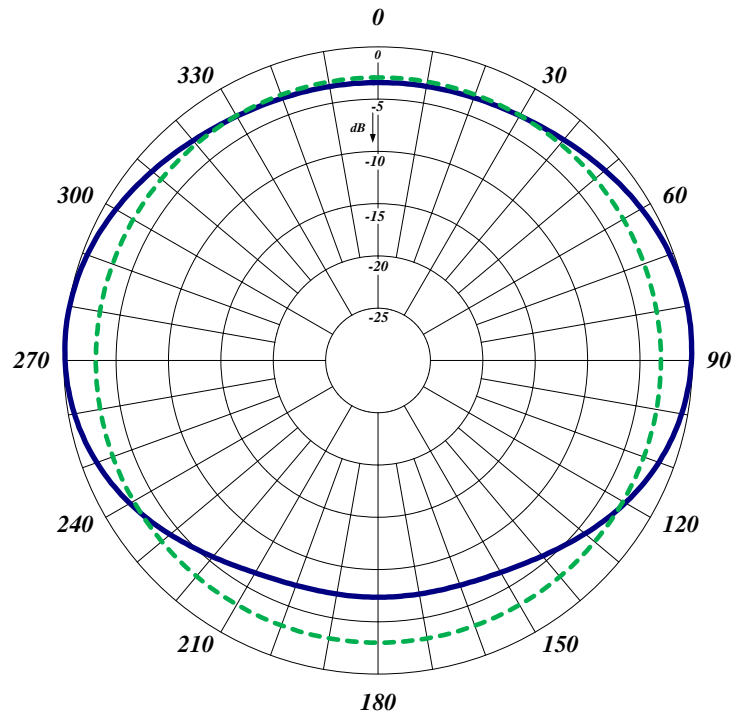
774-70-HDWSMP*1-1/2

The 774-70-HDWSMP*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. Our antennas can be configured for side mount or top mount. This antenna is configured for side mount. The 774-70-HDWSMP*1-1/2 antenna has internal cabling and fixed dipole-mast spacing.

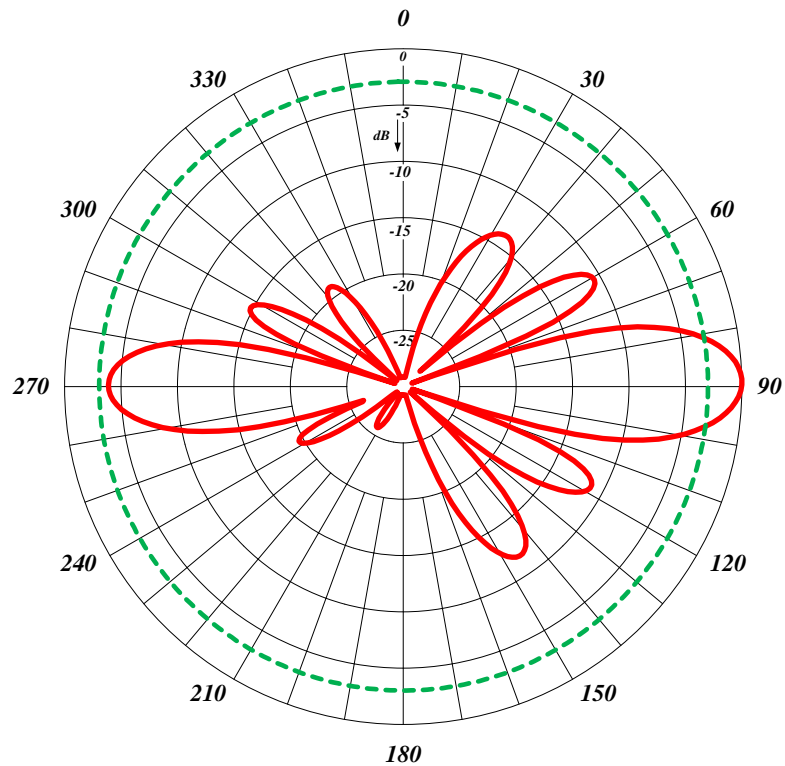
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/2 wave length spacing version offering bi-directional radiation pattern.
- Standard connector is 7/16 DIN-Male and optional 4.3-10 is also available.

Electrical Specifications	774-70-HDWSMP*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-HDWSMP*1-1/2
Length, in (mm)	120 (3048)
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