

HEAVY DUTY EXPOSED DIPOLE

380-430 MHz

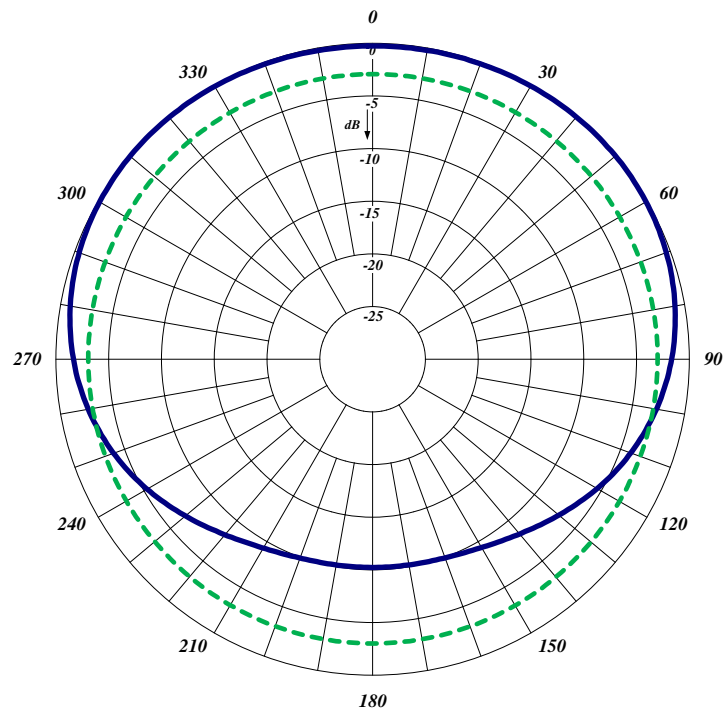
**771-70-HDWTMP*1-1/4**

The 771-70-HDWTMP*1-1/4 is a Wide Band, Low PIM, and Heavy Duty Welded UHF Antenna. All our antennas can be customized to your particular applications. This antenna is configured for top mount. It is an extremely rugged 1 dipole Antenna designed for multicoupled systems. The 771-70-HDWTMP*1-1/4 antenna has internal cabling and fixed dipole-mast spacing.

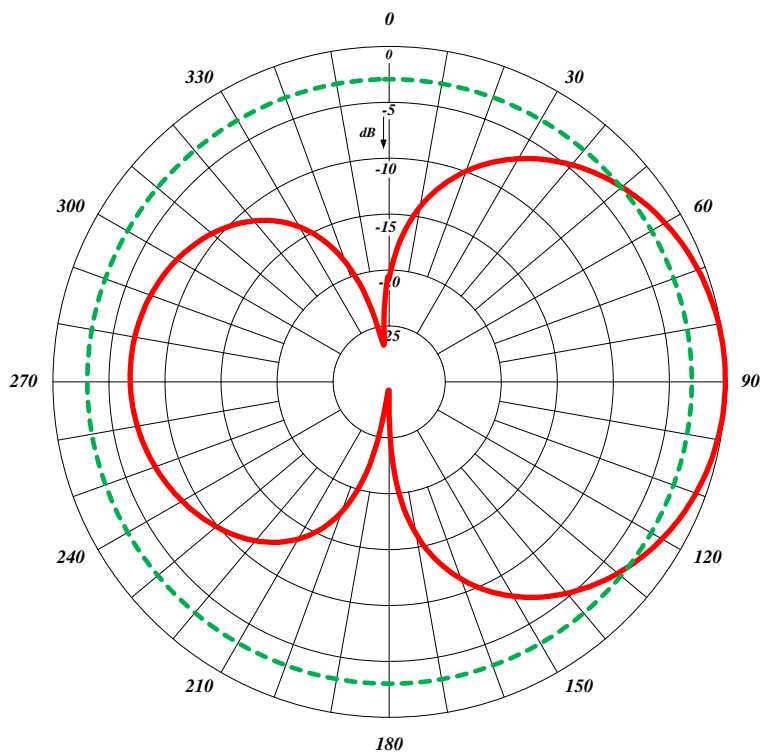
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/4 wave length spacing offering offset radiation pattern.
- Standard connector for Low PIM version is 7/16 DIN-Male. Optional 4.3-10 is also available.

Electrical Specifications	771-70-HDWTMP*1 -1/4
Frequency Range, MHz	380-430
Nominal Gain, dBd	2.5
Number of Dipoles	1
Bandwidth 1.5:1 VSWR, MHz	50
Polarization	Vertical
Pattern	Offset
Power Rating, Watts	75
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Temperature Range	-40 to +60 C°
PIM	150 dBc (2 x 20W carriers)
Connector	7/16 DIN-Male, 4.3-10 available upon request
Mechanical Specifications	771-70-HDWTMP*1 -1/4
Length, in (mm)	66 (1676)
Width (1/4 Wave Spacing), in (mm)	10 (254)
Weight, lbs. (kg)	11 (5)
Rated Wind Velocity, No Ice, mph (km/h)	180 (290)
Rated Wind Velocity, 0.5" (13mm) ice, mph	150 (241)
Lateral Thrust @ 100 mph, wind, lbs. (N)	27 (119)
Bending Moment @ top clamp: 100 mph, ft.*lb	34 (46)
Projected Area, ft ² (m ²)	1 (0.09)
Mounting Information Mast O.D. (mm)	1.9 (48)





Horizontal radiation pattern



Vertical radiation pattern

