

## UHF EXPOSED DIPOLE

380-430 MHz

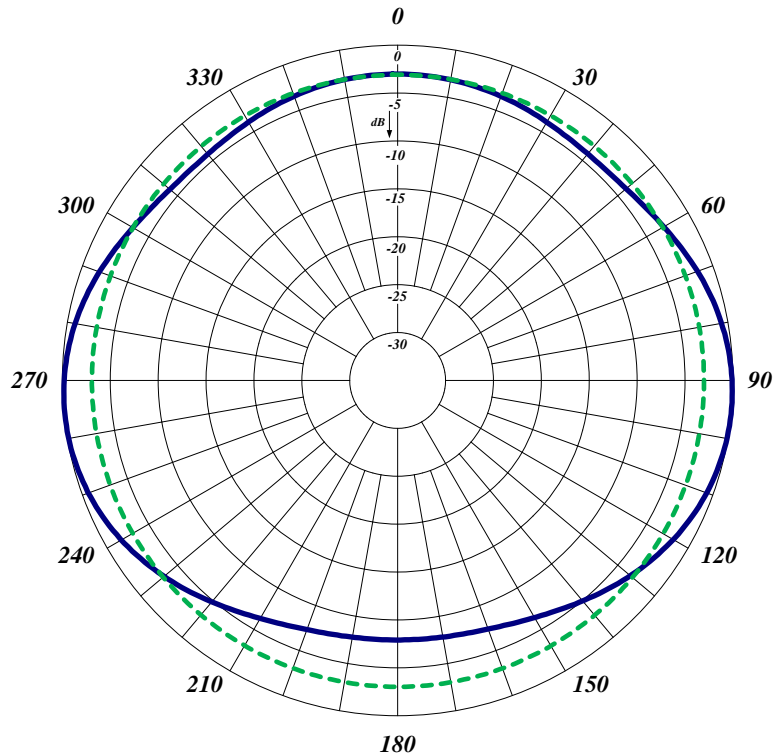
### (3)771-70HBSP4\*1-1/2

The (3) 771-70HBSP4\*1-1/2 is a Wide Band, Low PIM, Black Anodized and Heavy Duty Welded UHF Antenna. It is a broadband three dipole array antenna designed for multicoupled systems. Our antennas can be configured for side mount or top mount. This antenna is configured for side mount. The (3) 771-70HBSP4\*1-1/2 antenna has internal cabling and fixed dipole-mast spacing.

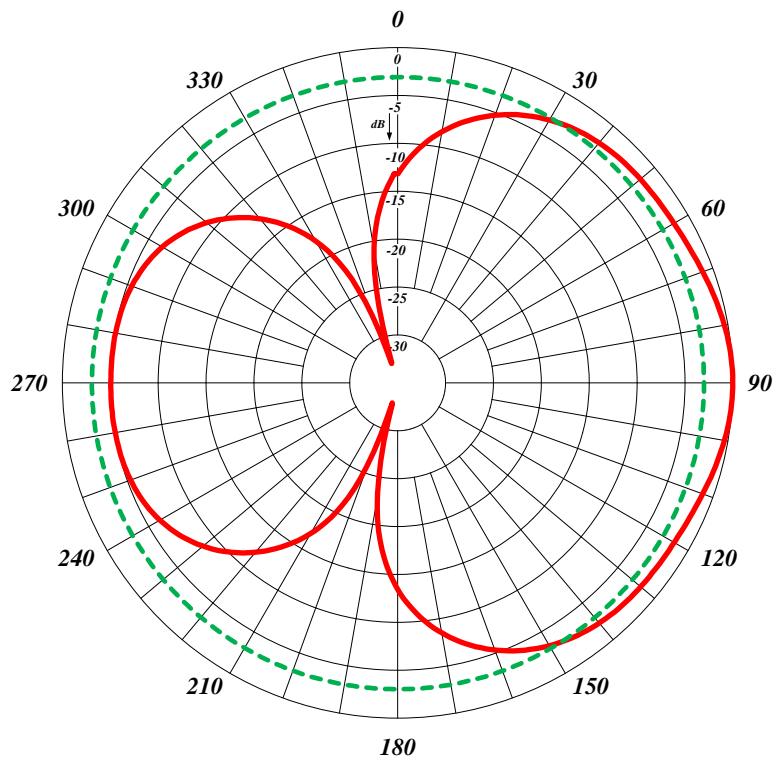
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/2 wave length spacing offering bi-directional radiation pattern.
- Standard connector for Low PIM version is 7/16 DIN-Male. Optional 4.3-10 is also available.

Electrical Specifications	(3)771 -70HBSP4*1-1/2
Frequency Range, MHz	380-430
Nominal Gain, dBd	2.5
Number of Dipoles	(3) 1
Bandwidth 1.5:1 VSWR, MHz	50
Isolation, dB	40
Polarization	Vertical
Pattern	Bi-directional
Power Rating, Watts	75
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	DIN 7/16
PIM	150 dBc; two 20W carriers
Mechanical Specifications	(3)771 -70HBSP4*1-1/2
Length, in (mm)	134 (3400)
Width, in (mm)	16 (406)
Weight, lbs. (kg)	32 (14.5)
Rated Wind Velocity, No Ice, mph (km/h)	160 (257)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	160 (257)
Lateral Thrust @ 100 mph, wind, lbs. (N)	75.6 (336.5)
Bending Moment @ top clamp: 100 mph, ft.*lb	279 (378)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	2.8 (0.261)
Mounting Information Mast O.D. (mm)	2.38 (60)





Horizontal Radiation Pattern



Vertical Radiation Pattern