



HEAVY DUTY EXPOSED DIPOLE

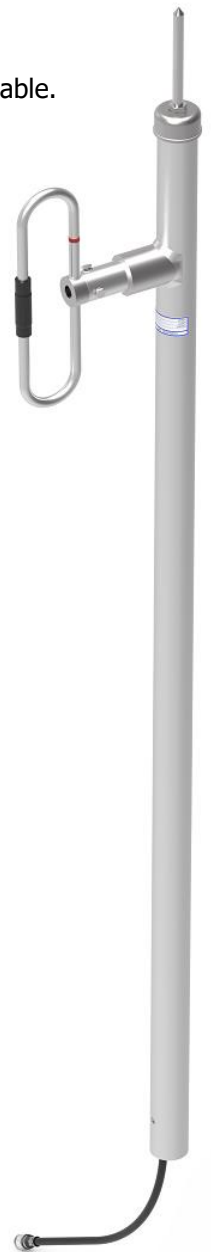
380-430 MHz

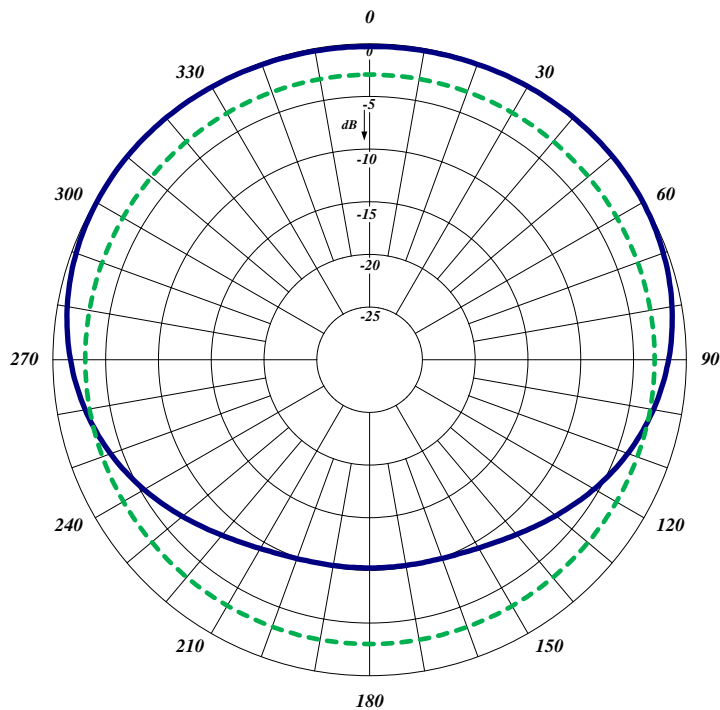
771-70-HDWTMP*1-1/4

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

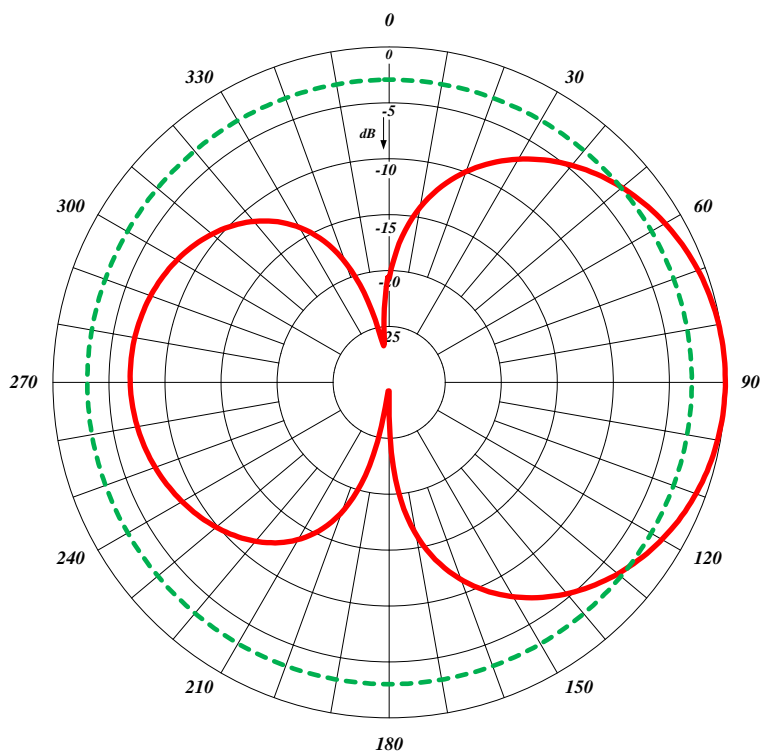
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/4 wave length spacing offering offset radiation pattern.
- Standard connector for Low PIM version is 7/16 DIN-Male. Optional 4.3-10 is also available.

| 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 |
| PIM | 150 dBc (2 x 20W carriers) |
| Mechanical Specifications | 771-70-HDWTMP*1 -1/4 |
| Length, in (mm) | 66 (1676) |
| Width (1/4 Wave Spacing), in (mm) | 16 (406) |
| 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