



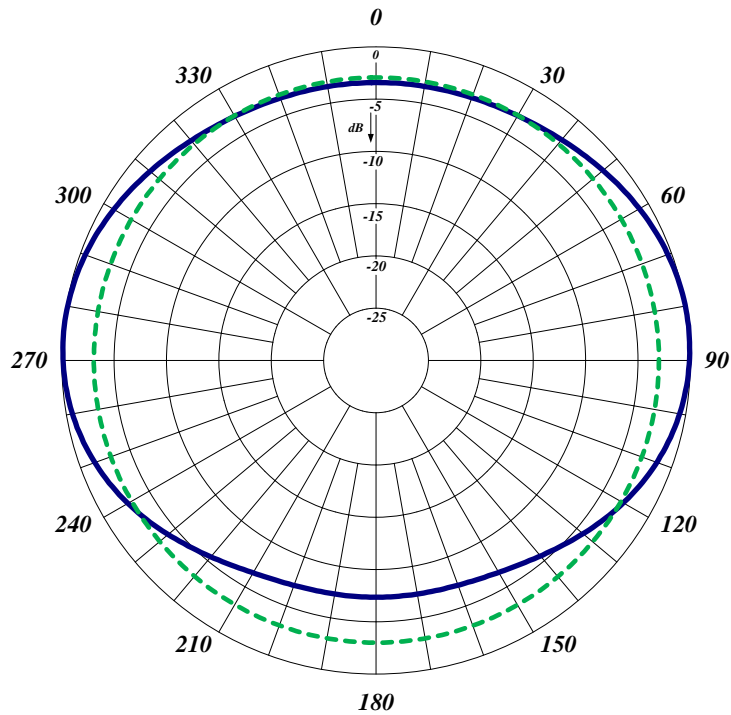
### 774-70-HDWBTMP\*1-1/2

The 774-70-HDWBTMP\*1-1/2 is a Wide Band, Black Anodized, 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 top mount. The 774-70-HDWBTMP\*1-1/2 antenna has internal cabling and fixed dipole-mast spacing.

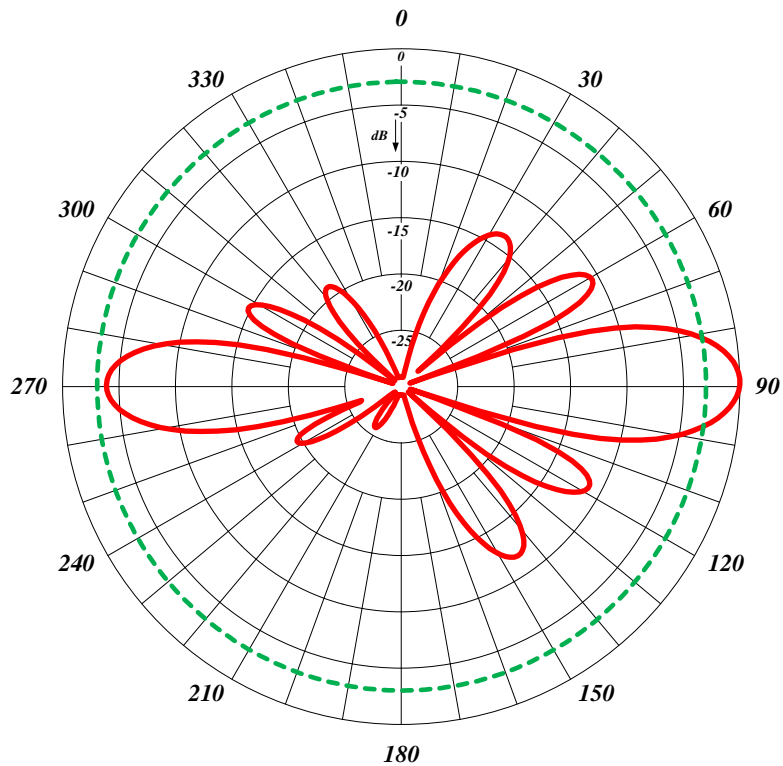
- Low VSWR version with maximum gain over specified frequency.
- This antenna is 1/2 wave length spacing version offering bi-directional radiation pattern.
- Standard connector is 7/16 DIN-Male and optional 4.3-10 is also available.

| Electrical Specifications                        | 774-70-HDWBTMP*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-HDWBTMP*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      | 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