

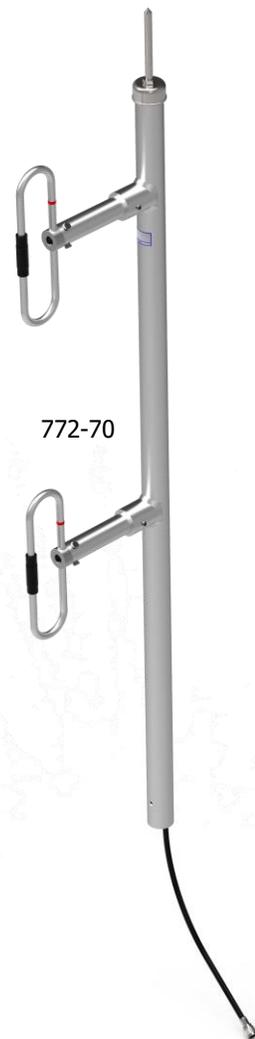


770 Series UHF Exposed Dipoles

The 770 Series UHF Exposed Dipoles are available in 1, 2, 4, 8 and dual dipole configurations. All our antennas can be completely customized to your particular applications. Our antennas can be black anodized, adjustable or fixed, side mount or top mount, and heavy-duty versions are available.

- Each antenna is offered in a 1/4, 3/8, or 1/2 wave versions.
- The 77X-70 has internal cabling and fixed dipole-mast spacing.
- Heavy-duty Versions are available. Please contact our Technical Support team for consultation.
- This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

Electrical Specifications	771-70	772-70	774-70	778-70
Frequency Range, MHz (in splits)	406-512	406-512	406-512	406-512
Nominal Gain, dBd	2.0-2.5	5.0-5.5	8.0-8.5	11.0-11.5
Number of Dipoles	1	2	4	8
Bandwidth 1.5:1 VSWR, MHz	106	106	106	64
Polarization	Vertical			
Pattern	Offset / Bi			
Power Rating, Watts	75	150	300	300
Nominal Impedance, Ohms	50	50	50	50
Lightning Protection	DC Ground			
Standard Termination	Type N Male for standard version – DIN 7/16 or 4.3/10 for Low-PIM version			
Mechanical Specifications	771-70	772-70	774-70	778-70
Length, in (mm)	66 (1676)	86 (2184)	126 (3200)	210 (5334)
Width, in (mm)	16 (406)	16 (406)	16 (406)	17 (432)
Weight, lbs. (kg)	8.6 (3.9)	12.6 (5.7)	21 (9.5)	52 (23.6)
Rated Wind Velocity, No Ice, mph (km/h)	170 (274)	160 (257)	150 (241)	140 (225)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	145 (233)	135 (217)	120 (193)	105 (169)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	27 (12.3)	39 (17.8)	64 (29)	134 (61)
Bending Moment @ top clamp: 100 mph, ft.*lb (kg*m)	33.5 (4.6)	72 (91)	177 (24.5)	655 (91)
Projected Area, ft ² (m ²)	1 (0.09)	1.5 (0.14)	2.4 (0.23)	5.1 (0.472)
Mounting Information: Mast O.D. (mm)	1.9" (48)	1.9" (48)	1.9" (48)	2.4" (61)



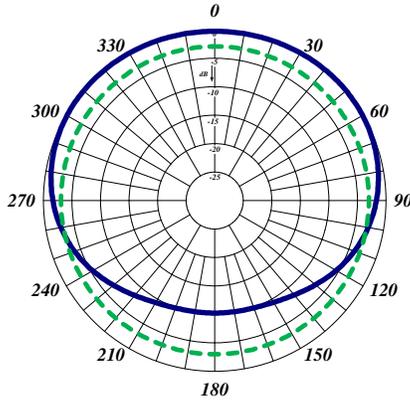


UHF EXPOSED DIPOLES

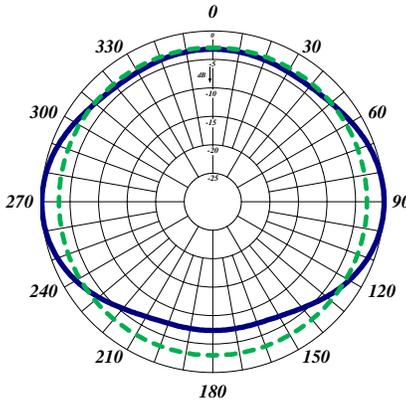
406-512 MHz



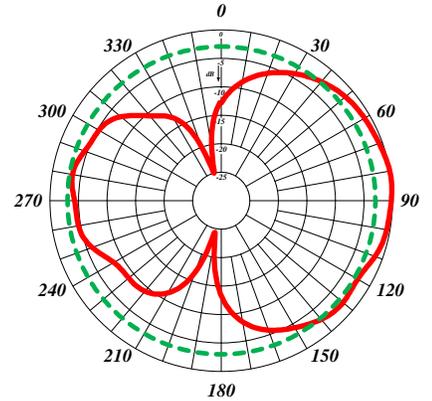
771-70



Quarter-wave Spacing Horizontal



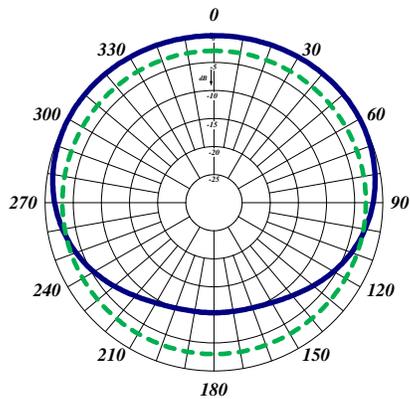
Half-wave Spacing Horizontal



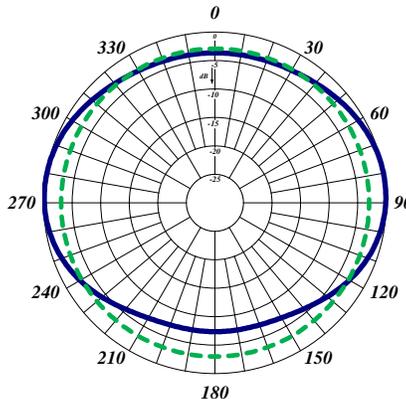
Half-wave Spacing Vertical



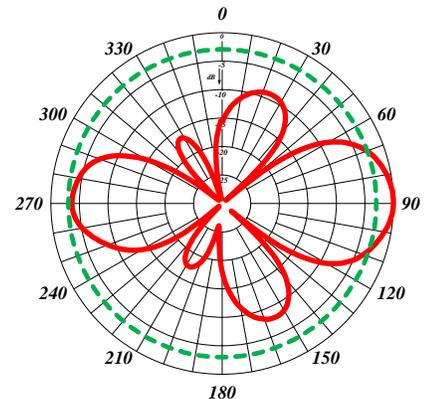
772-70



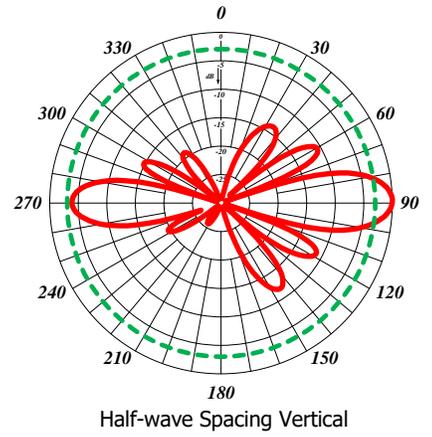
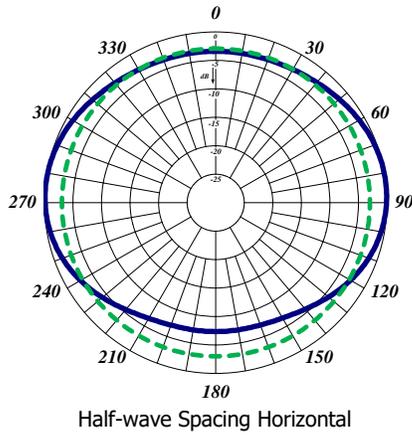
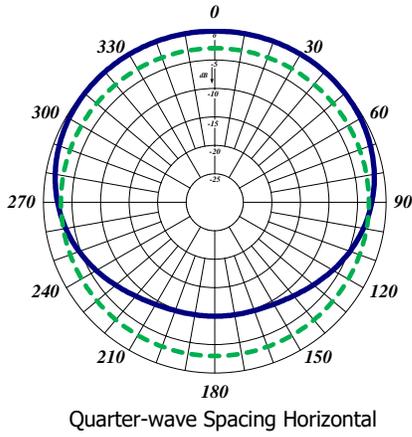
Quarter-wave Spacing Horizontal



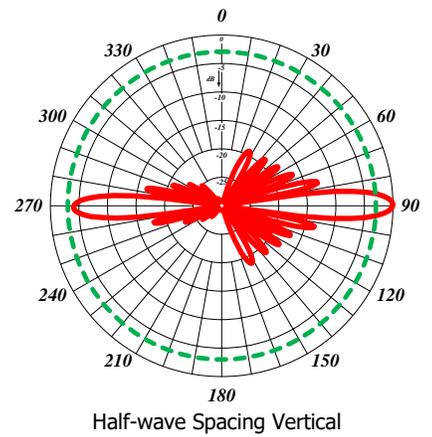
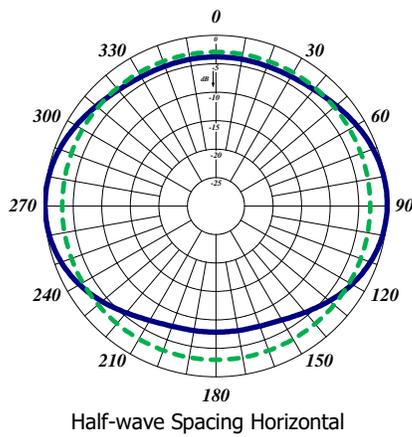
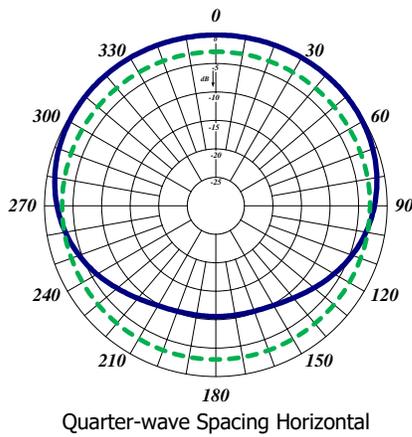
Half-wave Spacing Horizontal



Half-wave Spacing Vertical



774-70



778-70