

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.

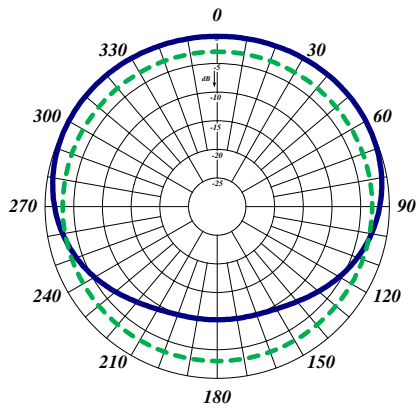
- Each antenna is offered in a 1/4, 3/8, or 1/2 wave versions.
- The 77X-70 has internal cabling and fixed dipole-mast spacing.
- Heavy-duty Versions are available. Please contact our Technical Support team for consultation.

Electrical Specifications	771-70	772-70	774-70	778-70
Frequency Range, MHz	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	Vertical	Vertical	Vertical
Pattern	Offset / Bi	Offset / Bi	Offset / Bi	Offset / Bi
Power Rating, Watts	75	150	300	300
Nominal Impedance, Ohms	50	50	50	50
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground
Standard Termination	Type N Male	Type N Male	Type N Male	Type N Male
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)	72 910)	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)
* See next page for ordering information (page 4) *				

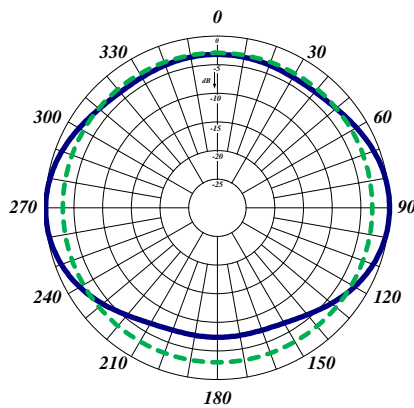




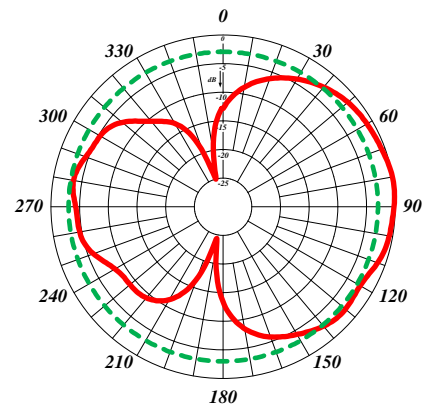
771-70



Quarter-wave Spacing Horizontal



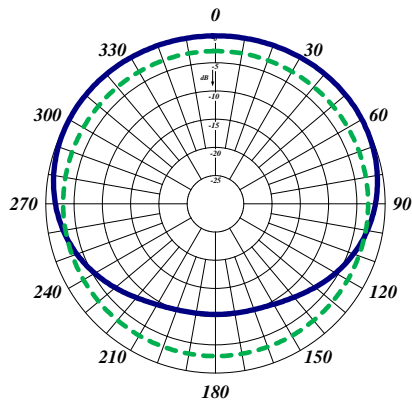
Half-wave Spacing Horizontal



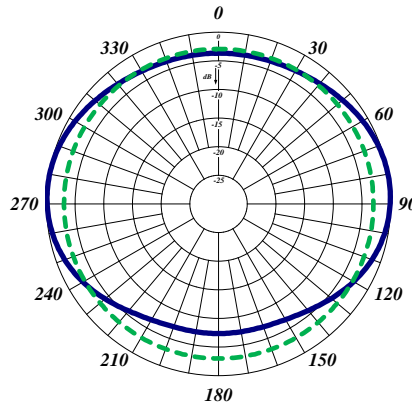
Half-wave Spacing Vertical



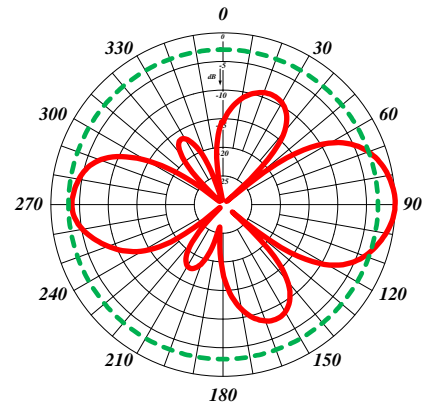
772-70



Quarter-wave Spacing Horizontal



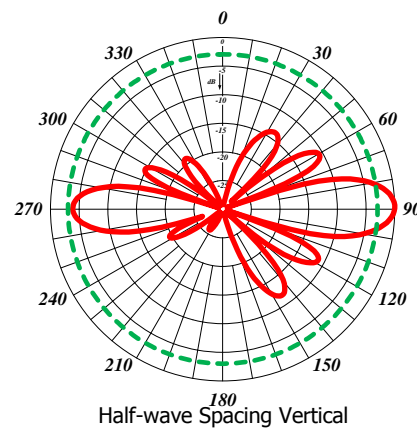
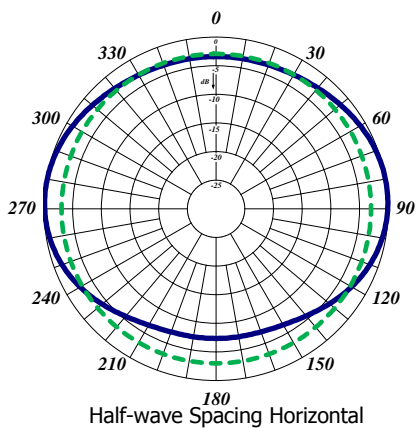
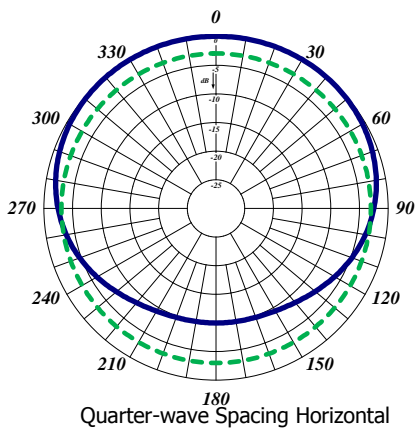
Half-wave Spacing Horizontal



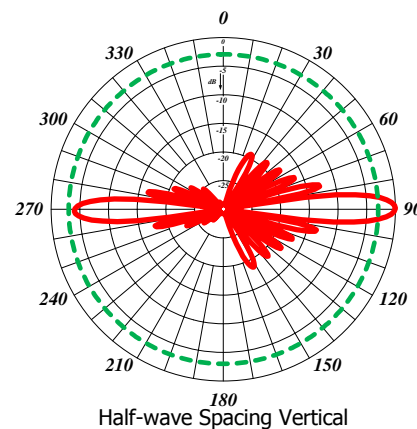
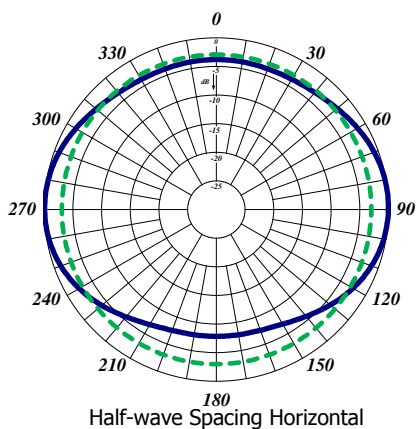
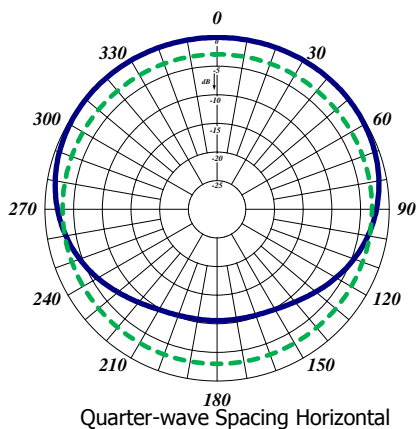
Half-wave Spacing Vertical



774-70



778-70



Order Information	406-470 MHz	450-512 MHz	Side Mount	Top Mount	Heavy Duty	Welded	Black Anodized
771-70	771-70 (406-512 MHz)		771-70-SM	771-70-TM	771-70-HD	771-70-HDW	771-70-HDB
772-70	772-70 (406-512 MHz)		772-70-SM	772-70-TM	772-70-HD	772-70-HDW	772-70-HDB
774-70	774-70 (406-512 MHz)		774-70-SM	774-70-TM	N/A (Available as HD and Welded)	774-70-HDW	774-70-HDB
778-70	778-70*1	778-70*2	778-70-SM	778-70-TM		778-70-HDW	778-70-HDB