

UHF EXPOSED DIPOLES

770 Series UHF Exposed Dipoles

The 770 Series UHF Exposed Dipoles are available in 1, 2, 4, 8 and dual dipole configurations. All of 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 an internal cabling and fixed dipole-mast spacing.
- Heavy-duty Versions are available. Please contact a Comprod Inc. Technical support technician for consultation.

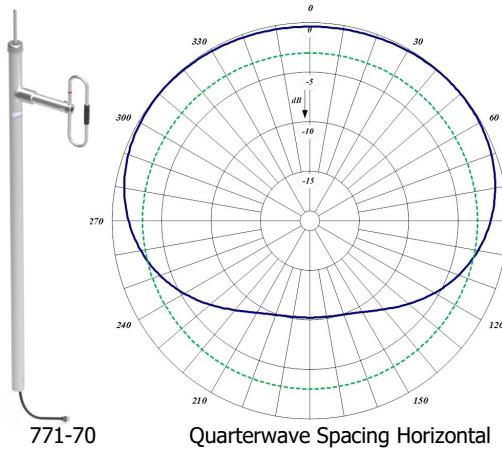


Electrical Specifications	771-70	772-70	774-70	778-70	
Frequency Range, MHz	406-512	406-512	406-512	406-512	
Nominal Gain, dBd	2.0-2.5	5.0-5.5	8.0-8.5	11.0-11.5	
Number of Dipoles	1	2	4	8	
Bandwidth 1.5:1 VSWR, MHz	106	106	106	64	
Polarization	Vertical	Vertical	Vertical	Vertical	
Pattern	Offset / Bi	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.	1.9" (48mm)	1.9" (48mm)	1.9" (48mm)	2.4" (61mm)	
Order Information	Side Mount	Top Mount	Heavy Duty	Welded	Black Anodized
771-70	771-70SM	771-70TM	771-70HD	771-70HDW	771-70HDB
772-70	772-70SM	772-70TM	772-70HD	772-70HDW	772-70HDB
774-70	774-70SM	774-70TM	774-70HD	774-70HDW	774-70HDB
778-70	778-70SM	778-70TM	778-70HD	778-70HDW	778-70HDB

BASE STATION ANTENNAS

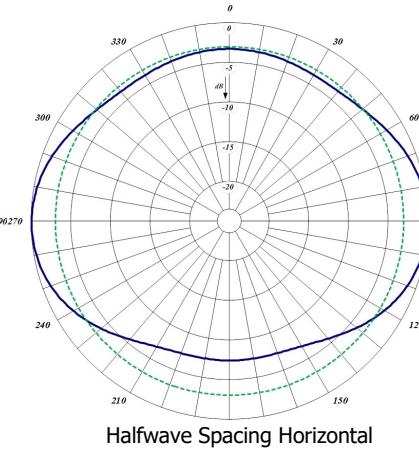
406-512 MHz

UHF EXPOSED DIPOLES



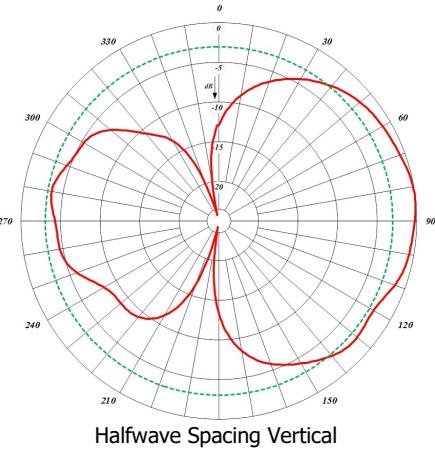
771-70

Quarterwave Spacing Horizontal



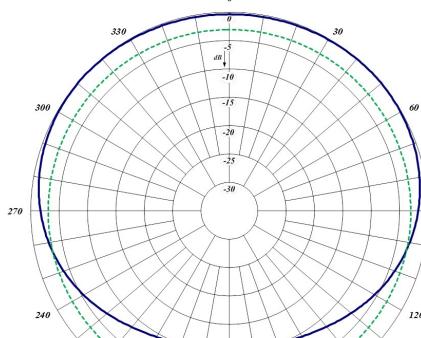
90270

Halfwave Spacing Horizontal

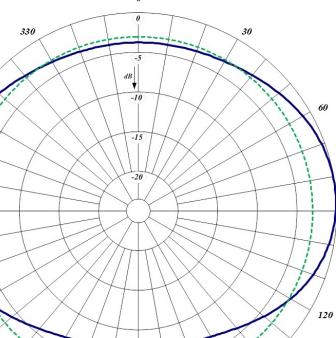


90

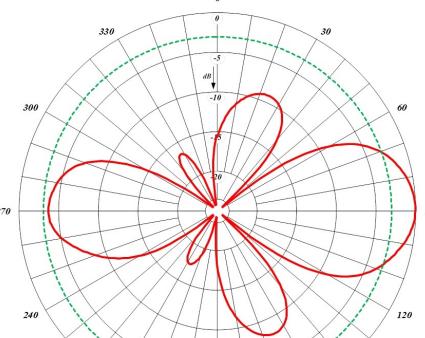
Halfwave Spacing Vertical



Quarterwave Spacing Horizontal

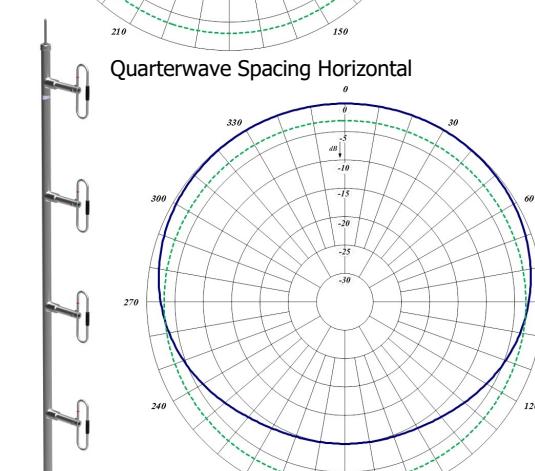


Halfwave Spacing Horizontal



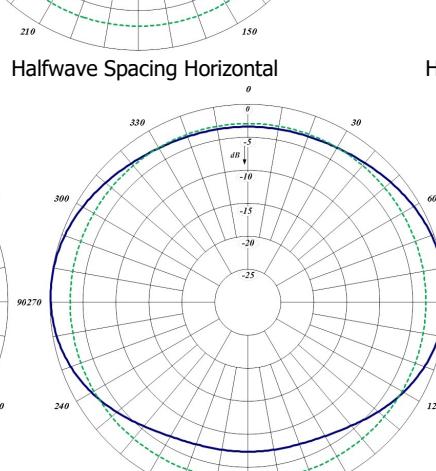
772-70

Halfwave Spacing Vertical

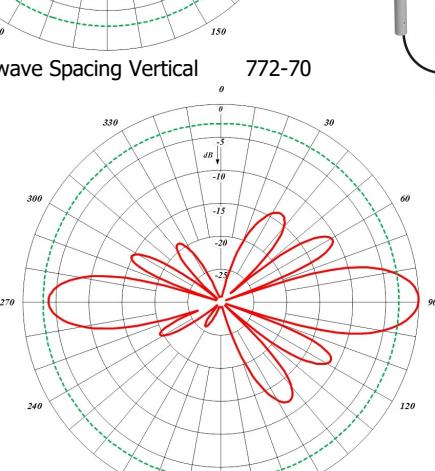


774-70

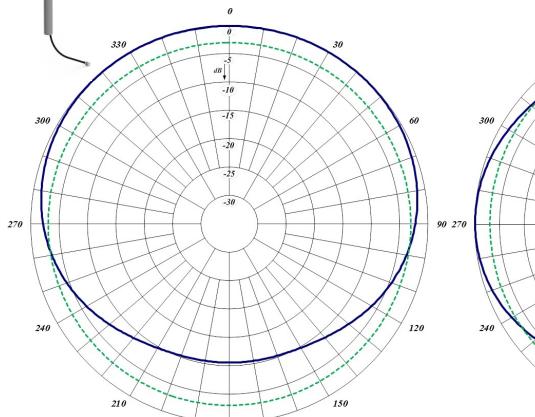
Quarterwave Spacing Horizontal



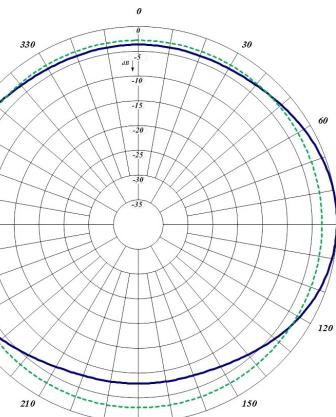
Halfwave Spacing Horizontal



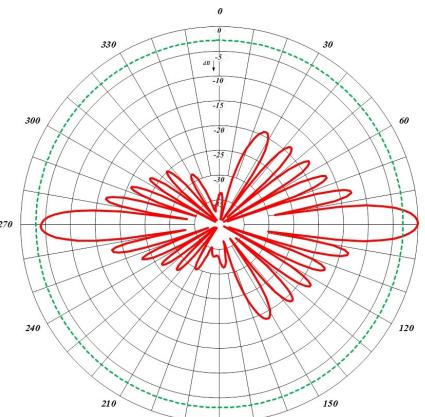
Halfwave Spacing Vertical



Quarterwave Spacing Horizontal



Halfwave Spacing Horizontal



Halfwave Spacing Vertical

778-70