

BASE STATION ANTENNAS

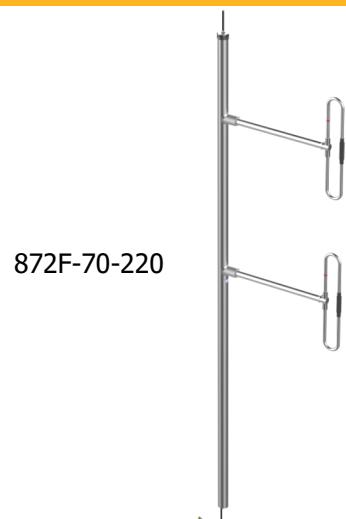
215-225MHz

220MHz EXPOSED DIPOLES

870 Series 220MHz Exposed Dipoles

The 870 Series 220MHz Exposed Dipoles are available in 1, 2, 4, 8 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.

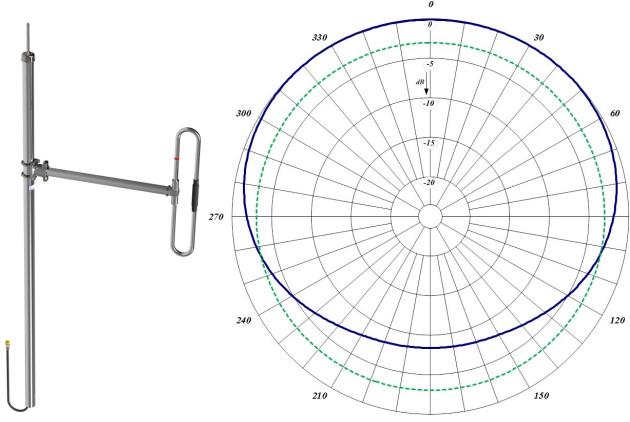
- Each antenna is offered in a 1/4, 3/8 or 1/2 wave spacing versions.
- The 87XA-70 has external cabling and a field-adjustable pattern.
- The 87XF-70 has internal cabling and fixed dipole-mast spacing.
- Heavy duty versions are available. Please contact Comprod Inc. Technical support technician for consultation.



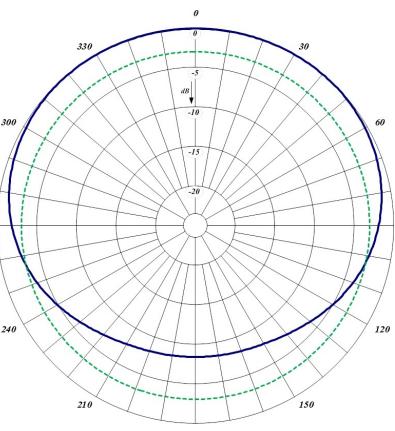
Electrical Specifications	871F-70-220	872F-70-220	874F-70-220	
Frequency Range, MHz	215-225	215-225	215-225	
Nominal Gain, dBd	2.0-2.5	5.0-5.5	8.0-8.5	
Number of Dipoles	1	2	4	
Bandwidth 1.5:1 VSWR, MHz	10	10	10	
Polarization	Vertical	Vertical	Vertical	
Pattern	Offset / bi	Offset / bi	Offset / bi	
Power Rating, Watts	200	300	500	
Nominal Impedance, Ohms	50	50	50	
Lightning Protection	DC Ground	DC Ground	DC Ground	
Standard Termination	Type N Male	Type N Male	Type N Male	
Mechanical Specifications	871F-70-220	872F-70-220	874F-70-220	
Length, in (mm)	66 (1676)	112 (2845)	200 (5080)	
Width(1/2 Wave Spacing), in (mm)	31 (787)	31 (787)	32 (813)	
Weight, lbs. (kg)	12.5 (5.7)	21 (9.5)	51 (23)	
Rated Wind Velocity, No Ice, mph (km/h)	165 (266)	150 (241)	145 (233)	
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	140 (225)	130 (209)	105 (177)	
Lateral Thrust @ 100 mph, wind, lbs. (kg)	40 (18)	66 (30)	143 (65)	
Bending Moment @ top clamp: 100 mph, ft*lb (kg*m)	58 (8)	150 (21)	610 (84)	
Projected Area, ft ² (m ²)	1.5 (0.14)	2.6 (0.24)	5.5 (0.51)	
Mounting Information Mast O.D.	1.9" (48mm)	1.9" (48mm)	2.4" (60mm)	
Order Information	Heavy Duty	Side Mount	Top Mount	Black Anodized
871-70-220	871F-70-220HD	871F-70-220SM	871F-70-220TM	871F-70-220HDB
872-70-220	872F-70-220HD	872F-70-220SM	872F-70-220TM	872F-70-220HDB
874-70-220	874F-70-220HD	874F-70-220SM	874F-70-220TM	874F-70-220HDB

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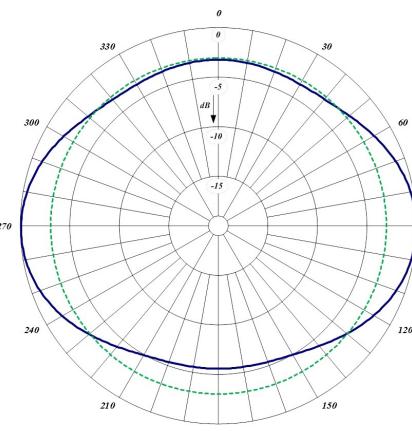
220MHz EXPOSED DIPOLES



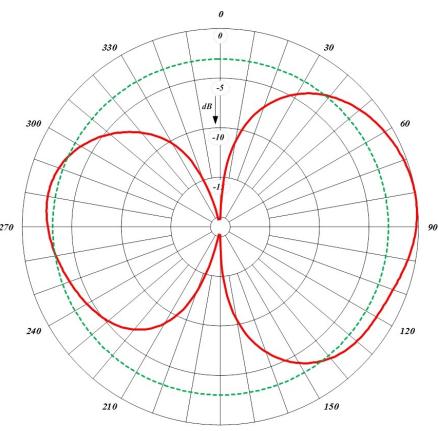
871F-70-220



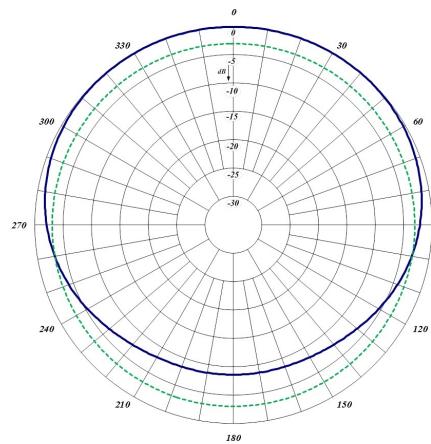
Quarterwave Spacing Horizontal



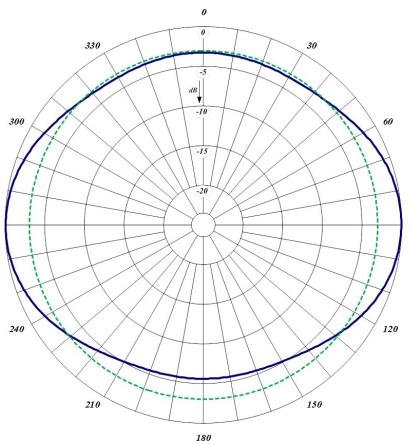
Halfwave Spacing Horizontal



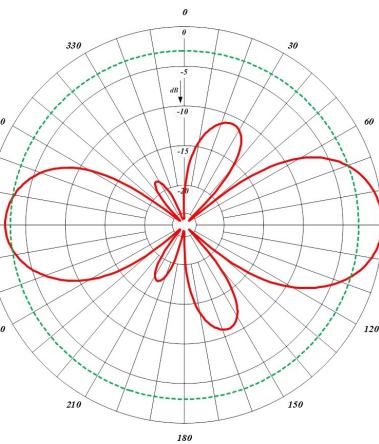
Halfwave Spacing Vertical



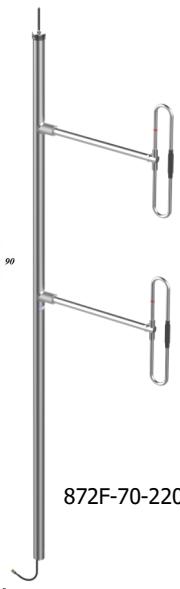
Quarterwave Spacing Horizontal



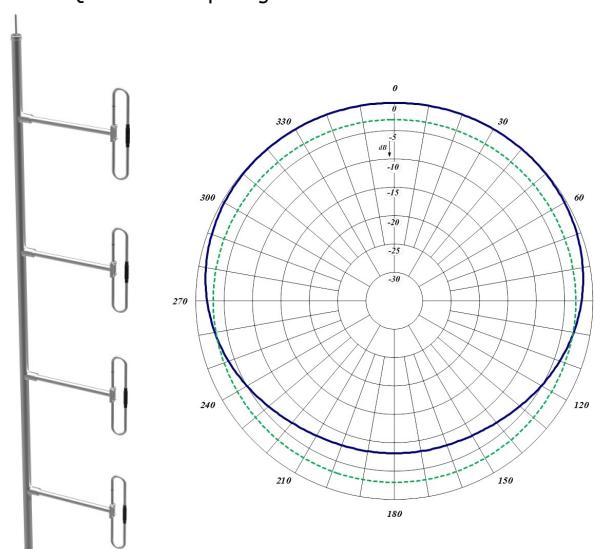
Halfwave Spacing Horizontal



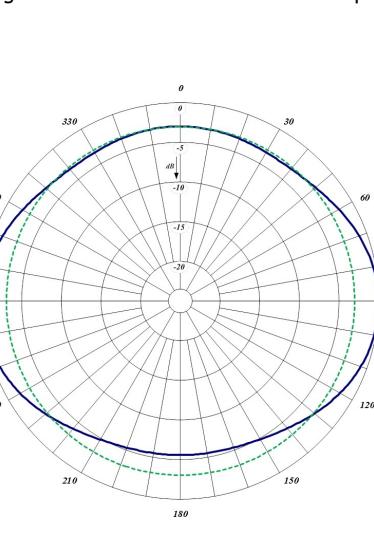
Halfwave Spacing Vertical



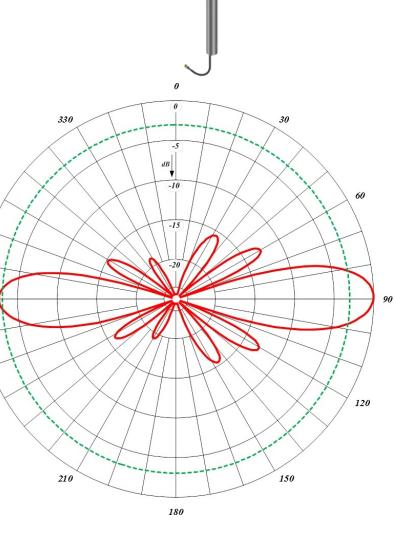
872F-70-220



874F-70-220



Halfwave Spacing Horizontal



Halfwave Spacing Vertical



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