

Dual Antenna Array

The Dual Antenna Arrays are available in many different configurations. Our VHF, UHF, or 700/800/900 MHz antennas can be combined onto one mast. These antennas can be mixed and matched from our 870, 770 and 790 series antennas. All our antennas can be completely customized to your particular applications. Our antennas can be configured for top or side mount. This antenna is also available in Low-PIM (-150 dBc; two 20W carriers).

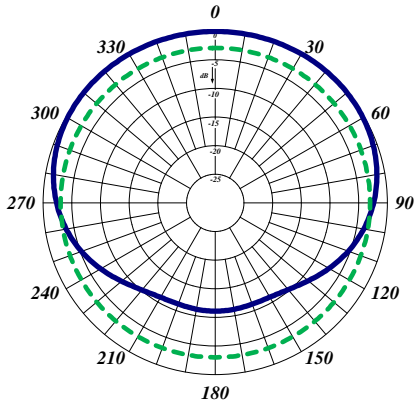
- A low VSWR version, with maximum gain over the specified frequencies.
- Ideal for applications where the costs are calculated per antenna.
- Heavy-duty versions are available.
- Multiple combinations are offered and customizable. Please contact our Technical Support team for consultation.

Electrical Specifications	F-3676		F-3661		F-3647	
Frequency Range, MHz	138-174	406-512	138-174	406-512	138-174	406-512
Nominal Gain, dBd	8.0-8.5	8.0-8.5	5.0-5.5	5.0-5.5	2.0-2.5	2.0-2.5
Number of Dipoles	4	4	2	2	1	1
Bandwidth 1.5:1 VSWR, MHz	36	106	36	106	36	106
Polarization	Vertical					
Pattern	Offset					
Power Rating, Watts	300		300		300	
Nominal Impedance, Ohms	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	F-3676		F-3661		F-3647	
Length, in (mm)	354 (8992)		186 (4724)		126 (3200)	
Width (1/2 Wave Spacing), in	41 (1041)		40 (1016)		40 (1016)	
Weight, lbs. (kg)	117 (53)		59 (26.8)		26 (11.9)	
Rated Wind Velocity, No Ice,	110 (177)		150 (241)		170 (272)	
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	85 (137)		110 (177)		140 (225)	
Lateral Thrust @ 100 mph,	315 (143)		154 (70)		67 (30.5)	
Bending Moment @ top clamp: 100 mph, ft.*lb	2469 (341)		720 (100)		110 (15)	
Projected Area, ft ² (m ²)	12 (1.12)		5.7 (0.53)		2.5 (0.23)	
Mounting Information Mast	3.5" (89)		2.9" (73)		1.9" (48)	

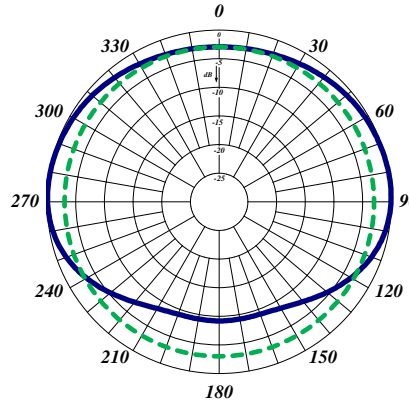




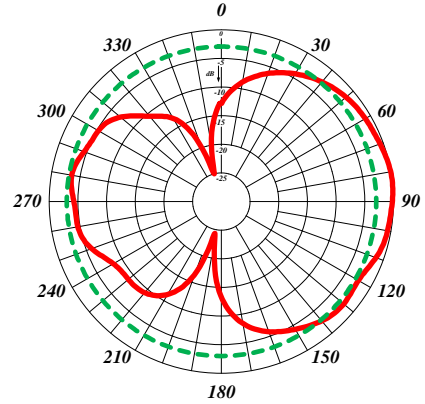
F-3647



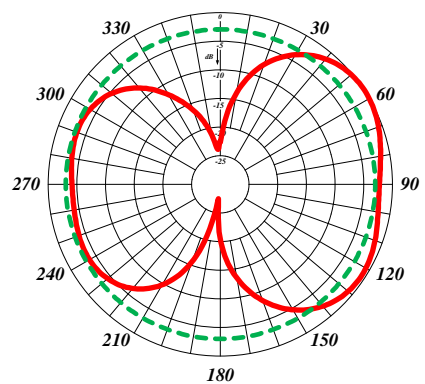
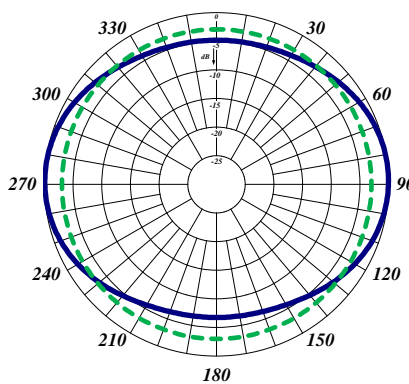
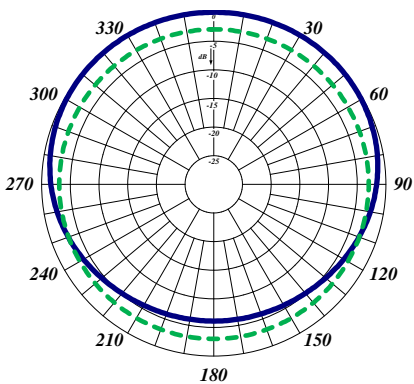
Quarter-wave Spacing Horizontal



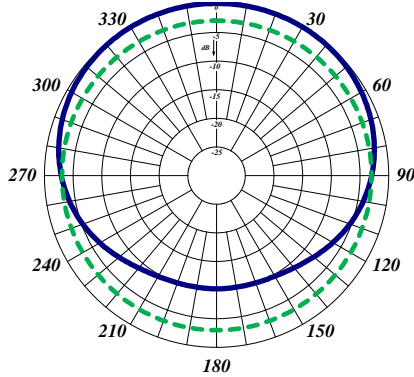
Half-wave Spacing Horizontal



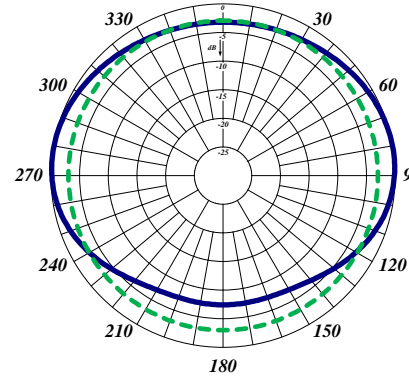
Half-wave Spacing Vertical



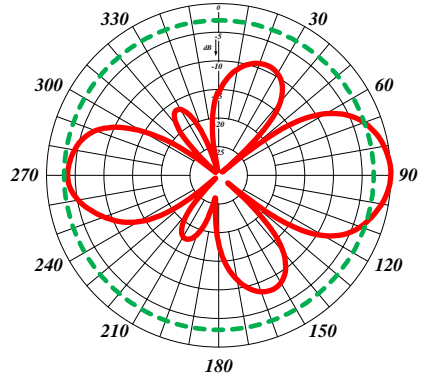
F-3661



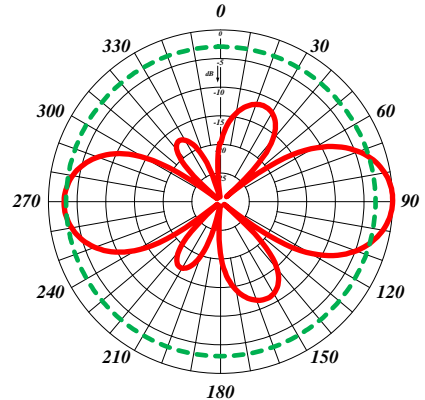
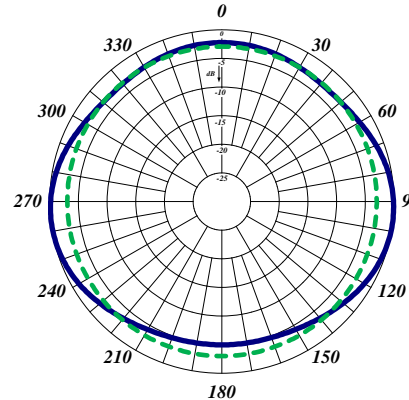
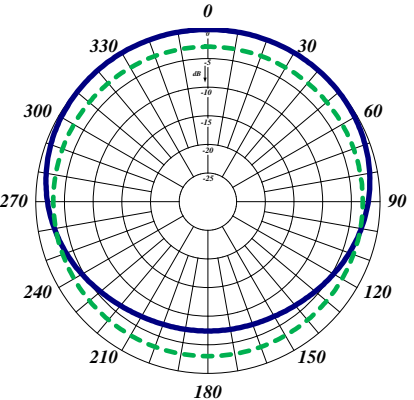
Quarter-wave Spacing Horizontal

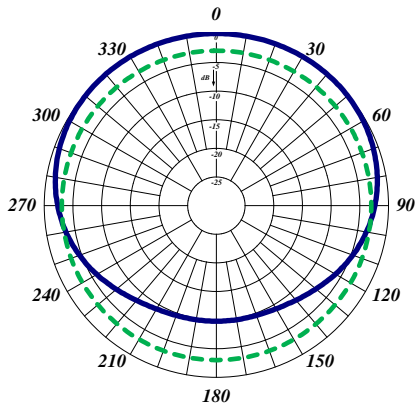


Half-wave Spacing Horizontal

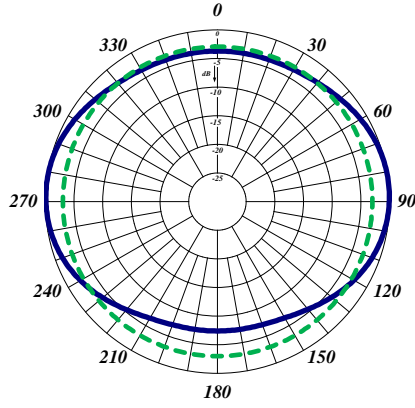


Half-wave Spacing Vertical

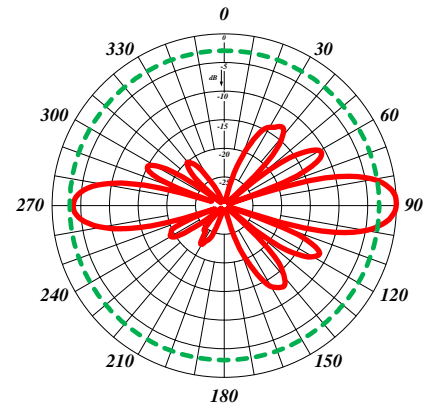




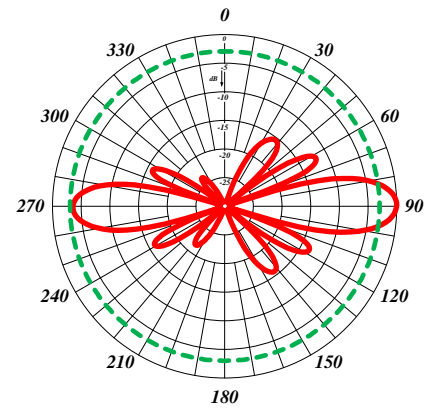
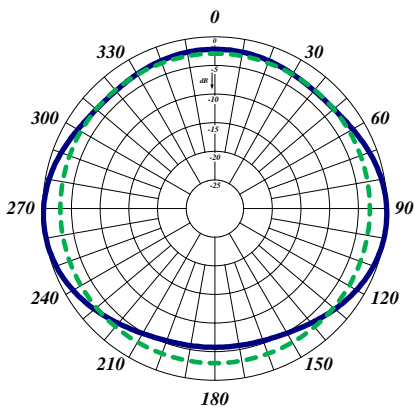
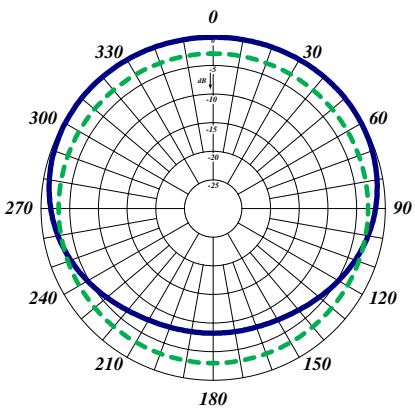
Quarter-wave Spacing Horizontal



Half-wave Spacing Horizontal



Half-wave Spacing Vertical



F-3676