DUAL EXPOSED DIPOLE ARRAY

HEAVY DUTY available | BLACK ANODIZED available | LOW PIM available

138-512 MHz

Dual Feed Exposed Dipole Array

The Dual Feed Exposed Dipole Arrays are available in many different configurations. Our VHF, UHF or 700/800/900 MHz antennas can be combined into one mast. These antennas can be mixed and matched with our 840, 870, 880, 770 and 790 series antennas. All our antennas can be completely customized to your particular applications. Our antennas can be configured for side mount or top mount.

- Low VSWR version with maximum gain over specified frequency.
- Ideal for applications where costs are calculated per antenna.
- Heavy-duty and Black anodized versions are available.
- Typical antenna to antenna isolation is 30dB, 40 dB of isolation is also available.
- This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

Electrical Specifications	776-70	876-70
Frequency Range, MHz (in splits)	406-512	138-174
Nominal Gain, dBd	5.0-5.5	5.0-5.5
Number of Dipoles	2 sets of 2	
Bandwidth VSWR, MHz	1.5:1 (106)	1.5:1 (36)
Polarization	Vertical	
Pattern	Offset	
Power Rating, Watts	300	300
Nominal Impedance, Ohms	50	50
Lightning Protection	DC Ground	
Standard Termination	Type N Male for standard version –DIN 7/16 or 4.3/10 for Low-PIM	

Mechanical Specifications	776-70	876-70
Length, in (mm)	126 (3200)	246 (6248)
Width (1/2 Wave Spacing), in (mm)	16 (406)	40 (1016)
Weight, lbs. (kg)	19 (8.6)	67 (30)
Rated Wind Velocity, No Ice, mph (km/h)	150 (241)	145 (233)
Rated Wind Velocity, 0.5” (13mm) ice, mph (km/h)	150 (241)	95 (153)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	44 (20)	160 (72.6)
Bending Moment @ top clamp: 100 mph, ft.*lb (kg*m)	193 (26.7)	1364 (188.7)
Projected Area, ft² (m²)	1.38 (0.128)	7 (0.65)
Mounting Information Mast O.D. (mm)	1.9" (48)	2.9" (73)

776-70

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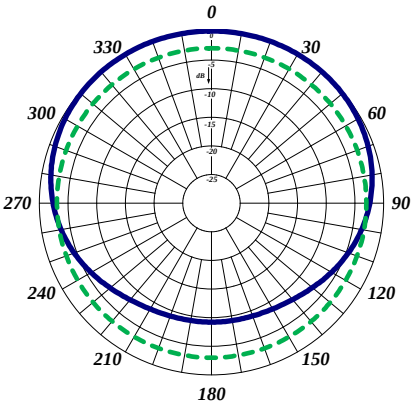
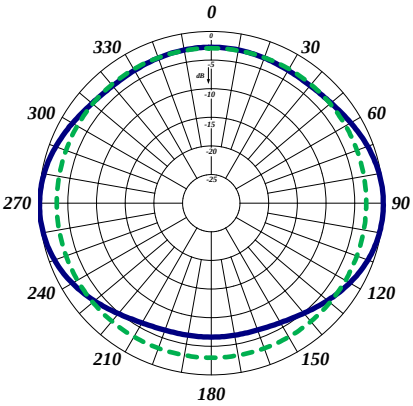
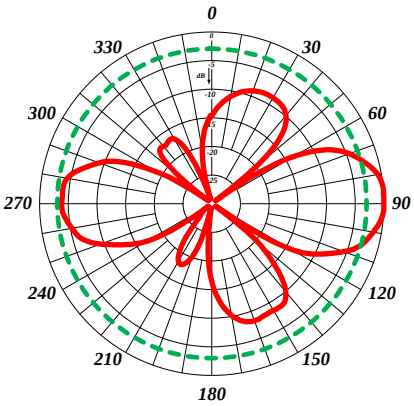
776-70



Quarter-wave Spacing Horizontal

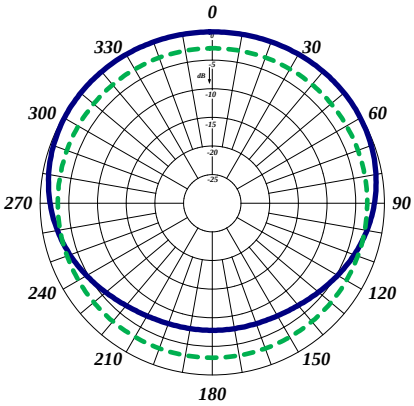


Half-wave Spacing Horizontal

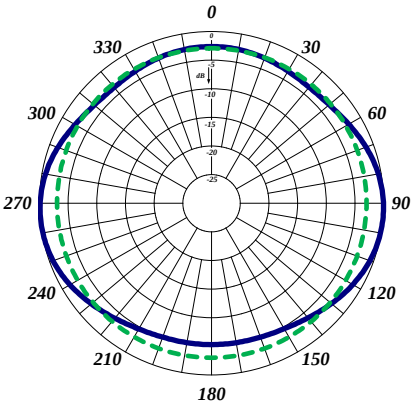


Half-wave Spacing Vertical

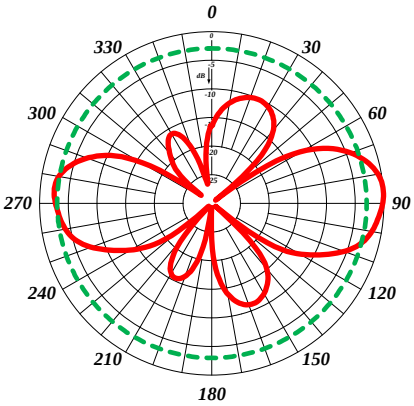
876F-70



Quarter-wave Spacing Horizontal



Half-wave Spacing Horizontal



Half-wave Spacing Vertical

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