



## 870 SERIES DUAL EXPOSED DIPOLE

138-174 MHz

### 876F-70-TM-1/2

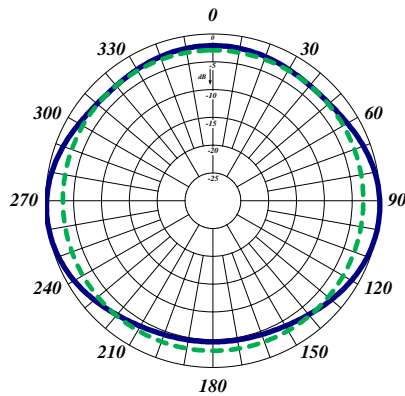
The 876F-70-TM-1/2 Dual Exposed Dipole is a Wide Band Antenna. The antenna is designed to be mounted on the top of the tower. The antenna is well suited for multicoupled systems due to its wide bandwidth. It has a rugged design for use in severe environmental conditions. The 876F-70-TM-1/2 has internal cabling and a fix dipole-to-mast spacing.

Electrical Specifications	876F-70-TM-1/2
Frequency Range, MHz	138-174
Nominal Gain, dBd	5.0-5.5
Number of Dipoles	2 sets of 2
Bandwidth 1.5:1 VSWR, MHz	1.5:1 (106)
Polarization	Vertical
Pattern	Bi-directional
Power Rating, Watts	300
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	N-Male
Mechanical Specifications	876F-70-TM-1/2
Length, in (mm)	246 (6248)
Width (1/2 Wave Spacing), in (mm)	43 (1092)
Weight, lbs. (kg)	90 (41)
Rated Wind Velocity, No Ice, mph (km/h)	130 (209)
Rated Wind Velocity, 0.5" (25 mm) ice, mph (km/h)	105 (169)
Lateral Thrust @ 100 mph, wind, lbs. (N)	222 (988)
Bending Moment @ top clamp: 200 mph, ft.*lb (N*m)	1176 (1595)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	8.5 (0.78)
Mounting Information Mast O.D. (mm)	2.9 (74)

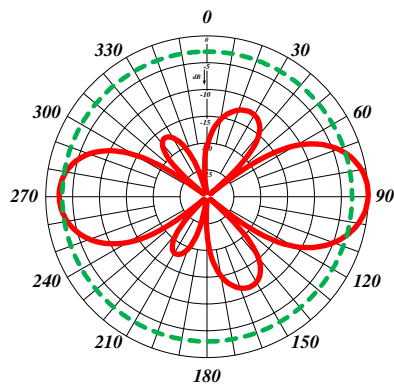


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# BASE STATION ANTENNAS



Half-wave Spacing Horizontal



Half-wave Spacing Vertical

876F-70-TM-1/2