

### F-3980

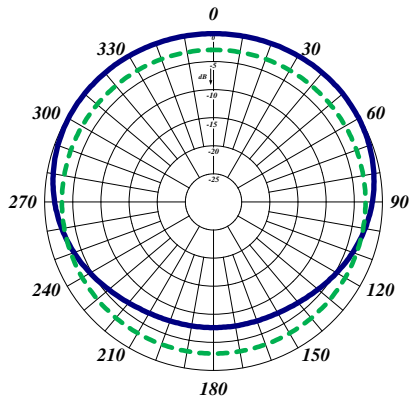
The F-3980 is a wide band dual antenna with an 871F-70 on the base and a 792-70 on the top. The antenna offers for the 871F-70 a choice of radiation patterns that are determined by the dipole-to-mast spacing. The F-3980 has an internal cabling and is not field adjustable.

The 871F-70 antenna is offered in a ¼, 3/8, or ½ wave pattern spacing versions.

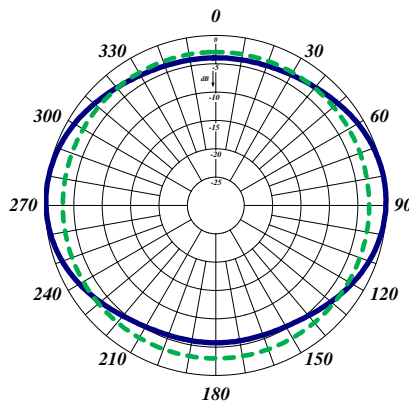
| Electrical Specifications                         | 871F-70     | 792-70      |
|---|-------------|-------------|
| Frequency Range, MHz                              | 138-174     | 746-960     |
| Nominal Gain, dBd                                 | 2.0-2.5     | 5.0         |
| Number of Dipoles                                 | 1           | 2           |
| Bandwidth 1.5:1 VSWR, MHz                         | 36          | 150         |
| Polarization                                      | Vertical    | Vertical    |
| Pattern   | Offset / bi | Offset      |
| Power Rating, Watts                               | 200         | 150         |
| Nominal Impedance, Ohms                           | 50          | 50          |
| Lightning Protection                              | DC Ground   | DC Ground   |
| Standard Termination                              | Type N Male | Type N Male |
| Mechanical Specifications                         | F-3980      |             |
| Length, in (mm)                                   | 126 (3200)  |             |
| Width (1/2 Wave Spacing), in. (mm)                | 41 (1041)   |             |
| Weight, lbs. (kg)                                 | 29 (13)     |             |
| Rated Wind Velocity, No Ice, mph (km/h)           | 140 (225)   |             |
| Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)  | 110 (177)   |             |
| Lateral Thrust @ 100 mph, wind, lbs. (N)          | 193 (859)   |             |
| Bending Moment @ top clamp: 100 mph, ft.*lb (N.M) | 489 (662)   |             |
| Projected Area, ft <sup>2</sup> (m <sup>2</sup> ) | 4.3 (0.4)   |             |
| Mounting Information Mast O.D., in. (mm)          | 2.38 (60)   |             |



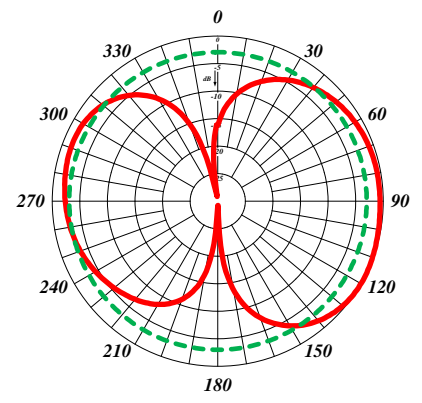
F-3980



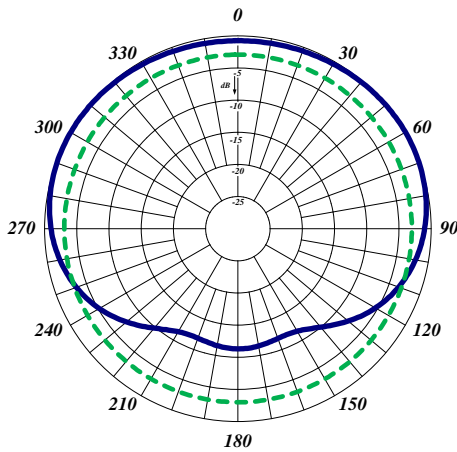
Quarter-wave Spacing Horizontal



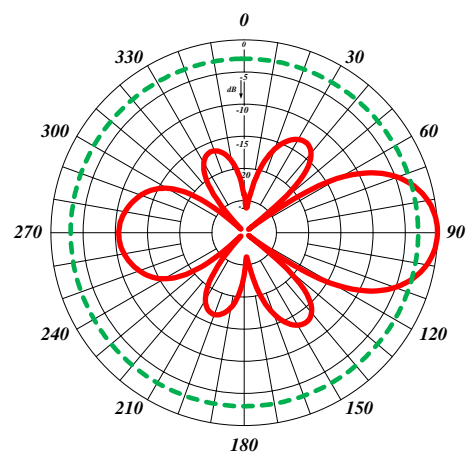
Half-wave Spacing Horizontal



Half-wave Spacing Vertical



Half-wave Spacing Horizontal



Half-wave Spacing Vertical