

Specialized Dual-band Antenna – UHF/900 MHz Omni

Model: SP4F9S06D3-series

Specifications

| | |
|---|---|
| Design Type | Dual-band/internally-diplexed, w/ Fiberglass radome |
| Frequency Range(s) | 450-470 MHz, and 901-941 MHz |
| Gain (dBd/dBi) UHF* 900 MHz <i>*provided as gain reference, see comparative data</i> | 3 dBd / 5.1 dBi* 6 dBd / 8.1 dBi |
| Beam Tilt (electrical down tilt) UHF 900 MHz | 10° 6° |
| Vertical Beam width (E-Plane), nom. UHF 900 MHz | 25° 11° |
| Impedance | 50 Ohms |
| VSWR / Return Loss | 1.8:1 or better |
| Average Power Rating | 200 W |
| Polarization | Vertical |
| Lightning Protection | Direct Ground w/ spike |
| Connector (1 each) | N (F) |
| Equivalent Flat-Plate Area | 0.64 sq. ft. |
| Lateral Wind load Thrust @100mph | 17 lbf. |
| Rated Wind Speeds | 150 mph (no ice) |
| Total Length | 6 feet |
| Mounting Hardware (included) | Designed for easy mounting to vertical pipe, includes galvanized steel clamps (2) |
| Radome O.D. | 2.0 inches |
| Mast O.D. | 2.5 inches |
| Mast Length | 9 inches |
| Radome color | dbSpectra Horizon Blue |
| Weight, antenna and clamp set Antenna only | 14 lbs. 7 lbs. |
| Shipping Weight, individual antenna* (*bulk-pack would be lighter per antenna) | 20 lbs. est., antenna and clamps |
| Invertibility | The Antenna is physically invertible, but the patterns are optimized for upright mount. |
| Ordering Information: Antenna with clamp set Antenna only (no clamps) Clamp set only | Order Model: SP4F9S06D3DN SP4F9S06D3DX DSH2V3R |



shown with clamps

Features and Benefits:

dbSpectra control station-series antennas are optimized for LMR and other specialized applications where medium-duty, mid-gain, field-proven designs are preferred.

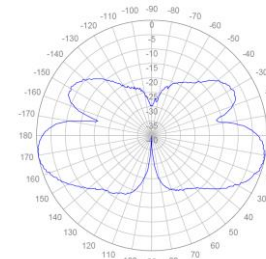
Dual-band, single connector design simplifies installation for rapid deployment.

Sturdy Construction – Heavy-wall 2-inch diameter fiberglass radome minimizes tip deflection yet manages weight and wind-loading properties.

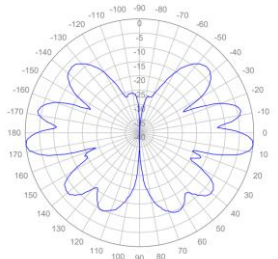
Excellent Lightning Protection – equipped with lightning spike and internal conductor to DC-ground.

Radiation Patterns:

Vertical (UHF)



Vertical (900 MHz)



Horizontal (both)

