

## DB540K OMNI ANTENNA 10 dBd GAIN, 406-512 MHz

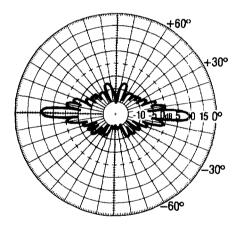


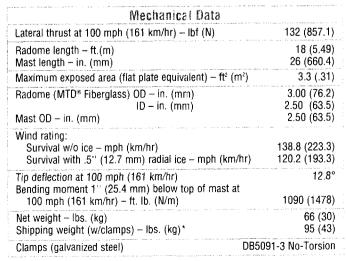
DB540K is a UHF omnidirectional antenna enclosed in a Horizon Blue™ radome made of Minimum-Tip-Deflection® (MTD®) fiberglass, Decibel's heavy duty radome material that resists extremely high winds with very little tip deflection.

- Full UHF Coverage Six models fulfill spectrum needs for UHF conventional, paging and radiotelephone communications.
- Sturdy Construction In addition to the Minimum-Tip-Deflection fiberglass radome, the antenna has a weather-resistant extension pipe made of strong 6061-T6 aluminum alloy.
- Very Rugged The antenna resists winds to 120 mph (190 kph) with .5" (12.7 mm) of icing.
- Engineered to Last All metals used in radiator, feed and matching systems are copper or brass, which minimizes galvanic reaction and reduces intermodulation.
- Reliable Each antenna is tested for 500 watts power rating compliance and the absence of intermodualtion generators.
- Lightning Resistant A large diameter conductor extends from top to bottom to provide ground to the tower.
- Moisture Resistant A removable drain plug is located at each end of the antenna.
- Ready to Install DB5091-3 No-Torsion Clamp and Vapor-Wrap® are provided.

Ordering Information - Use model number for correct frequency. **Example:** DB540K-G for 450-460 MHz; DB540K-E for 406-413 MHz. Clamps are included. Order jumper cable separately, if desired.

## **DB540K Typical Vertical Radiation Pattern**





Electrical Data	
Frequency Ranges – MHz	E = 406-413, F = 412-420, G = 450-460, J = 460-470
Bandwidth — MHz	See above
Gain — dBd	10
Beamwidth "E" Plane (half power)	7°
Beamwidth "H" Plane (half power)	Omni
Maximum power input – watts	500
VSWR	1:5 to 1 or better
Lightning protection	Direct ground
Termination	Type N-Female (fixed)



<sup>\*</sup>Mounting clamps shipped separately