

Control Station Antennas – UHF band, Omni, Unity gain or 2.9 dBd

Models DS3X00CS36UN, DS3X03CS36UN, DS3A00CS36UN, DS3A03CS36UN, DS4x00CS36UN, and DS4x03CS36UN

Specifications	
Design Type	2" Fiberglass radome
Frequency Range	380-470 MHz (wideband)
DS3X00CS36UN, DS3X03CS36UN	380-410 MHz
DS3A00CS36UN, DS3A03CS36UN	406-436 MHz
DS4A00CS36UN, DS4A03CS36UN	450-482 MHz
DS4C00CS36UN, DS4C03CS36UN	480-512 MHz
DS4D00CS36UN, DS4D03CS36UN	
Gain - dBd (average over BW)	Unity gain (0 dBd)
DS3X00, DS3A00 and DS4x00 models	2.9 dBd
DS3X03, DS3A03 and DS4x03 models	
Beam Tilt (electrical down tilt)	None (0°)
Vertical Beam width (E-Plane), nom.	60°
DS3X00, DS3A00 and DS4x00 models	30°
DS3X03, DS3A03 and DS4x03 models	
Impedance – Ohms	50
VSWR / Return Loss -- dB	1.5: 1 / 14 dB (min.)
Average Power Rating	300 W (each antenna)
Polarization	Vertical
Lightning Protection	Direct Ground
Connector	N-type female
Equivalent Flat-Plate Area:	
0 dBd Gain models range	0.27 – 0.30 sq. ft.
3 dBd Gain models range	0.40 – 0.55 sq. ft.
Lateral Wind load Thrust @100mph:	
0 dBd Gain models range	11 – 13 lbf.
3 dBd Gain models range	17 – 23 lbf.
Rated Wind Speed	200 mph (without ice)
Total Length:	
DS3X00CS36UN/DS3A00CS36UN	2.4 ft.
DS4A00CS36UN	2.8 ft.
DS4C00CS36UN/DS4D00CS36UN	2.7 ft.
DS3X03CS36UN/DS3A03CS36UN	4.8 ft.
DS4A03CS36UN	5.0 ft.
DS4C03CS36UN	3.9 ft.
DS4D03CS36UN	3.7 ft.
Mounting Hardware (included)	YES
Mast O.D.	2.5 inches
Radome color	Horizon Blue
Weight, antenna and hardware	5-9 lbs.
Shipping Weight	9-13 lbs.
Invertibility	Yes, invertible



Features and Benefits

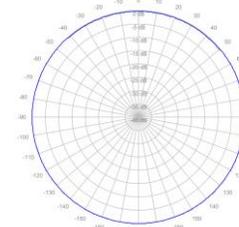
Control Station Antennas are optimized for control station and other applications where medium-duty, lower-gain models are preferred.

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

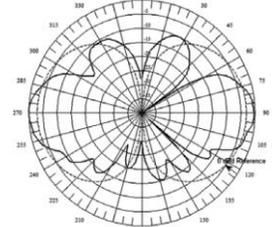
Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns:

Horizontal, all



Vertical, 2.9 dBd model



Vertical, Unity gain models

