Control Station Antennas – 700, 800, or 900 MHz band Omni, Unity or 3 dBd

Models-DS7B03CS36UN, DS8A00CS36UN, DS8A03CS36UN, DS9A00CS36UN, DS9A03CS36UN, SP7C00CS36UN, SP7C03CS36UN

Specifications	
Design Type	2” diameter Fiberglass radome, corporate-fed
Frequency Range, models	
DS7B03CS36UN, 700 band - “3dBd”	764-806 MHz
DS8A00CS36UN, 800 band – Unity	806-869 MHz
DS8A03CS36UN, 800 band - “3dBd”	806-869 MHz
DS9A00CS36UN, 900 band - Unity	890-960 MHz
DS9A03CS36UN, 900 band - “3dBd”	890-960 MHz
SP7C00CS36UN, 700/800 band - Unity	764-869 MHz
SP7C03CS36UN, 700/800 band - “3dBd”	764-869 MHz
Gain specs - dBd (average over BW)	
All DSxx00- and SP7C00-models	Unity gain (0 dBd)
All DSxx03-models	2.9 dBd
Model SP7C03CS36UN	2.7 dBd
Beam Tilt (electrical down tilt)	None (0°)
Vertical Beam width (E-Plane)	
All Unity-gain models	60°
All 2.7 and 2.9 dBd models	30°
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:	
All 3 dBd Models	0.33 sq. ft.
All Unity Models	0.24 sq. ft.
Lateral Wind load Thrust @100mph:	
All 3dBd Models	14 lbf.
All Unity Models	10 lbf.
Rated Wind Speed (All models)	325 mph (without ice)
Total Length	
All 3 dBd models	36 inches max.
All Unity models	26 inches max.
Mounting Hardware (included)	YES
Mast O.D.	2.5 inches
Radome color	Horizon Blue
Weight, antenna and hardware	5-7 lbs. (approx.)
Shipping Weight	9-11 lbs. (approx.)
Invertibility	The antennas are invertible, but patterns are optimized for upright mounting.



Features and Benefits

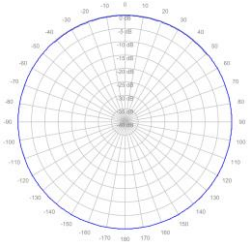
Control Station Antennas are optimized for control station or similar applications where medium-duty, lower-gain models are preferred.

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

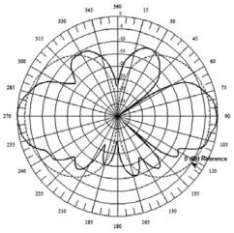
Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns:

Horizontal, all



Vertical, 2.7/2.9 dBd models



Vertical, Unity gain models

