900 MHz Antenna - Omnidirectional, Low-PIM/Hi-PIP, 5.8 dBd

Model - DS9A06P36U-Series Antennas

Specifications	
Design Type	True Corporate Feed
Frequency Range	890-960 MHz
Passive Intermodulation – PIM (2 x 20W sources)	-150 dBc, 3rd Order
Bandwidth	70 MHz
Gain (average over BW)	5.8 dBd
Configuration	Single antenna
Beam Tilt	(x) = - , 3 , 6 or 10 (X) degrees
Vertical Beamwidth (E-Plane)	15°
Impedance	50 ohms
VSWR / Return Loss	1.5:1 / 14 dB (min.)
Average Power Rating	500 W
Peak Instantaneous Power	25 kW
Polarization	Vertical
Lightning Protection	Direct Ground
Connector DS9A06P36U(x)D DS9A06P36U(x)M	 7/16 DIN (F) 4.3-10 (F)
Equivalent Flat-Plate Area	1.27 sq. ft.
Lateral Windload Thrust @100mph	53 lbf.
Rated Wind Speed	250 mph (without ice) 213 mph (with ½" radial ice)
Total Length	7.67 feet
Mounting Mast Length	35 inches
Mounting Hardware (included)	DSH2V3R
Mast O.D.	2.5 inches
Radome O.D.	3.0 inches
Radome color	Horizon Blue
Weight, antenna and hardware	39 lbs.
Shipping Weight	47 lbs.
Invertibility	Antennas are not invertible. For invertible tilt options contact dbSpectra at *tech@dbspectra.com*
Ordering Information DS9A06P36U(x)D – 7/16 DIN Connector DS9A06P36U(x)M – 4.3-10 Connector	1. Replace (x) in model number with Beam Tilt options. 2. "-" in the beam-tilt options represents 0˚ down-tilt.



Features and Benefits

Tested to stringent Peak Instantaneous Power (PIP) levels of 25 KW using dbSpectra's multi-channel P25 PIP test bed. High PIP level is demanded by today's digital systems.

True Corporate Feed Array – provides for excellent gain and pattern consistency across a wider frequency range.

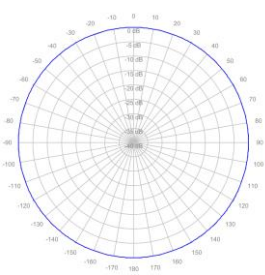
PIM Rated Design – better than -150 dBc.

Sturdy Construction – Heavy-wall fiberglass radome minimizes tip deflection.

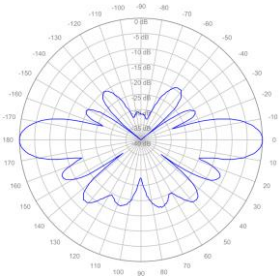
Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns:

Horizontal



Vertical (No Tilt)



Vertical (3 deg Tilt)

