

**CARLSON**

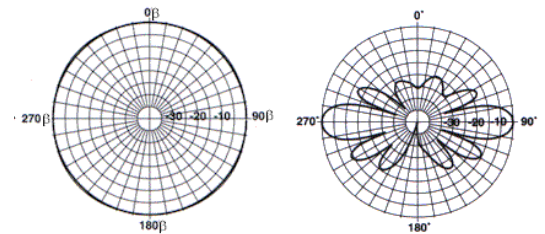
BROADBAND AND VOICE PRODUCTS

High-Gain Omnidirectional UHF Antenna for RuralConnect® Base Station

Frequency Range	470 MHz-786 MHz
VSWR	1:1.8
Active Elements	42 - 2 bays
Radiation Pattern	E plane 360 deg +/- 1dB H plane 29 deg +/- 1dB
Gain	5.2 dBi
Maximum Height	46"
Maximum Diameter	4.5"
Linear Polarization	Vertical
Shipping Weight	10 lbs.
Carton Dimensions	6" x 6" x 48"
Connector	"N" type female or "F" type female
Impedance	50 ohm or 75 ohm (respectively)
Enclosure Materials	UV Resistant PVC
Operating Temp.	-40 to 70 degrees Celsius
Wind Loading	Surface Area 100 mph 120 mph
with no ice	2.2 sq ft. 56 lbs 80 lbs
with 1/2 in. ice	2.7 sq ft 71 lbs 102 lbs



Vertical Mast Mount



Horizontal and Vertical Performance Plots

Enclosed in a UV-resistant radome, this wideband omnidirectional vertical dipole antenna does not require any field tuning or adjustments over the entire UHF TV band. Available in both 50 ohm and 75 ohm impedances.

The antenna uses stainless steel and aluminum alloy in its construction, and its compact size allows for easy handling and shipping.

The termination of the antenna is fixed at the bottom of the mounting pipe for complete weather protection. The cylindrical enclosure provides for minimal wind loading and ice formation as well as an aesthetically pleasing appearance.

Stainless steel mounting brackets are included.

Carlson Part Number

50 ohm: 053-470-786-5-2B-50

75 ohm: 053-470-786-5-2B-V

UPS Shippable!



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Made in U.S.A.

*Specs subject to change without notice
US patent pending*



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