

DATASHEET

2.4 to 2.5 GHz & 4.94 to 5.925 GHz Omnidirectional Collinear Antenna A2505NJ-OC

The A2505NJ-OC omnidirectional collinear antenna is designed to work with ProSoft Technology radios. This IP67 antenna features a collinear design that is enclosed in white UV-resistant radome to protect the elements from environmental factor and is designed to cover frequencies from 2.4 to 2.4 GHz and 4.94 to 5.925 GHz. This antenna has an integral N-Female connector at the base.

An optional base station mount kit for masts up to 2.4 in is sold separately – RLX-MBAM1009.



Features

- ◆ Designed for use in outdoor environments – IP67 rated
- ◆ Supports 2.4 to 2.5 GHz and 4.94 to 5.925 GHz frequencies
- ◆ Custom UV protection coating
- ◆ Durable sleeve and cap with N-Female connector

Compatibility

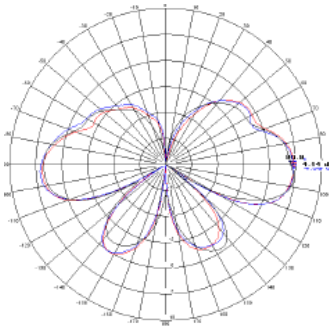
All antennas have been tested for compatibility with ProSoft Technology products. Please see the ProSoft Wireless Designer (PWD) configuration tool to assist you in choosing the best antenna for your application.

Specifications

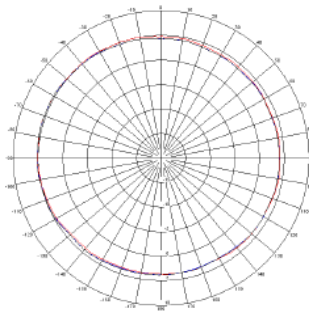
Specification	Description	
Frequency Range	2.4 to 2.5 GHz	4.94 to 5.925 GHz
Gain	5dBi	7dBi
Elevation Half-Power Beamwidth	25°	15°
Pattern	Omnidirectional	
VWSR	<2.0	
Nominal Impedance	50 Ohm	
Polarization	Vertical, linear	
Azimuth Half-Power Beamwidth	360°	
Average Power	25 W	
Connector	N-Female	
Temperature Range	-40° to 185°F (-40° to +85°C)	
Height	11 in (27.9 cm)	
Diameter	1.25 in OD (3.17 cm)	
Weight	0.3 lbs (136.1 g)	
Ingress Protection	IP67	
Rated Wind Velocity	125 mph (210 kph)	

Patterns

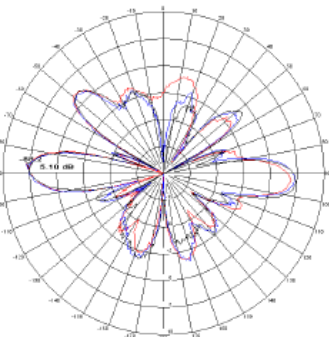
E Plane @ 2.4 GHz



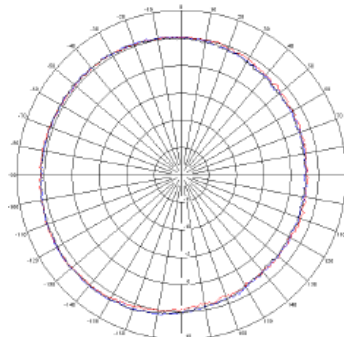
H Plane @ 2.4 GHz



E Plane @ 4.95 GHz:



H Plane @ 4.95 GHz:



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Connects™

Global Distribution

ProSoft Technology® products are distributed and supported worldwide through a network of over 500 distributors in over 50 countries. Our knowledgeable distributors are familiar with your application needs. For a complete list of distributors, go to: www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

**2.4 to 2.5 GHz &
4.94 to 5.925 GHz
Omnidirectional
Collinear Antenna**

A2505NJ-OC

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: www.prosoft-technology.com and select *Where to Buy* from the menu.

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Specifications subject to change without notice.