

# Base Loaded Mobile Antenna

**B4505CN BB4505CN**  
**B4505CNS BB4505CNS**



## PREMIUM BASE LOAD MOBILE ANTENNA

Lairds' ongoing commitment to refinement in mechanical and electrical design has resulted in the most technically advanced mobile load coil antennas on the market. Exclusive features such as stainless steel whips, housings constructed with ABS material injected molded around a solid brass insert, and gold plated push pin contacts make Laird Technologies the obvious choice for quality and long lasting value for demanding mobile radio communications.

## FEATURES AND BENEFITS

- Long tuning ferrule allows for greater freedom in frequency adjustment without trimming
- High performance mobile antenna operates on a No Ground plane (NGP) requirement.
- Straight Stainless steel corona ball stays on the rod – no dissimilar metal interaction associated with competitor designs.
- Easy Installation /w NMO mountable.
- 100% tested on a network analyzer.

## MARKETS

- Public Safety.
- Transportation.
- Utility.
- Military mobile.

FEATURES	*B4505CN**
Frequency	450MHz – 470MHz
Pattern	Omni – Directional
Polarization	Vertical
Category	Feature
Maximum Power	100 Watts
Gain	5 dBi
Nominal Impedance	50Ω
VSWR	≤2.0:1
Elevation Beamwidth At Half-Power	28° deg
Azimuth Beamwidth At Half-Power	360° deg
Termination	NMO

MODEL	HEIGHT	WEIGHT	DIAMETER	STORAGE
<b>B4505CN</b>	32 <sup>1</sup> / <sub>4</sub> in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F
<b>BB4505CN</b>	32 <sup>1</sup> / <sub>4</sub> in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F
<b>B4505CNS(R)</b>	32 <sup>1</sup> / <sub>4</sub> in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F
<b>BB4505CNS(R)</b>	32 <sup>1</sup> / <sub>4</sub> in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F

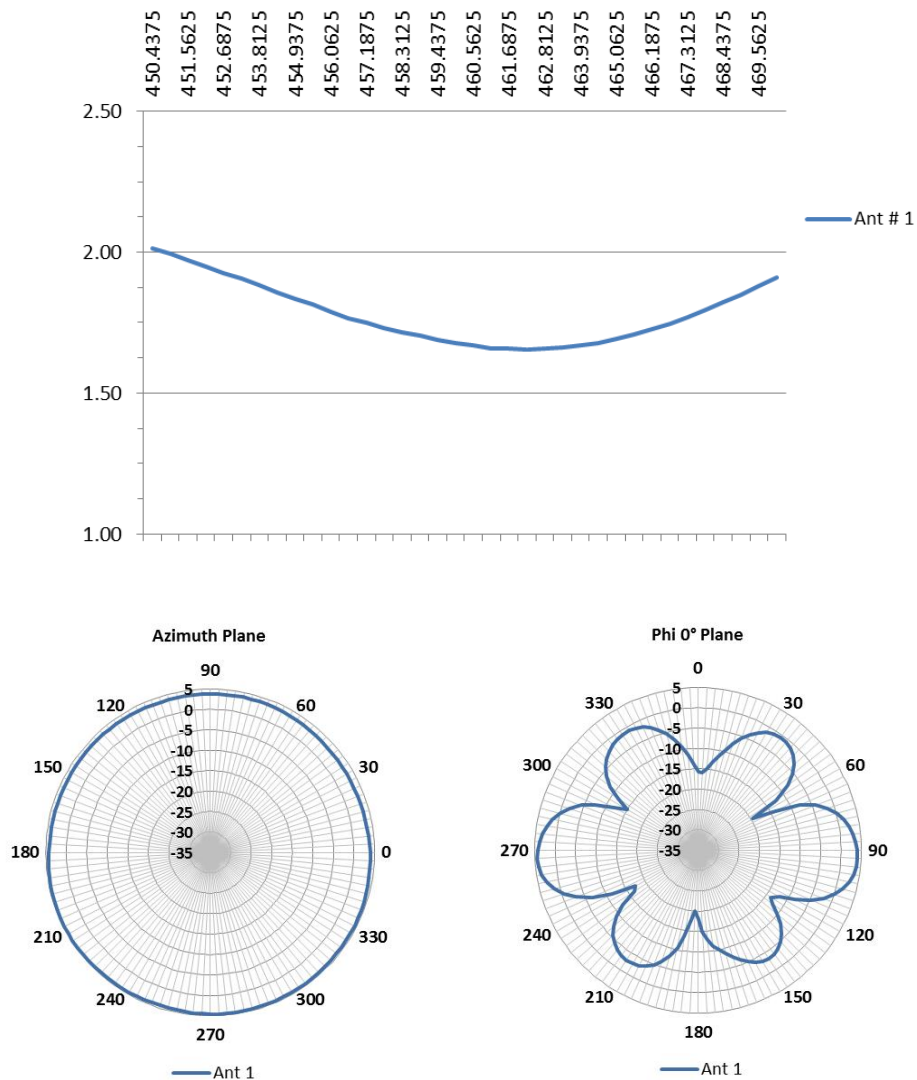
Americas: +1.847 839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

## B4505CN VSWR



IAS-DS-B4505CN 1015

Any information furnished by Laird and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[B4505CNSRO](#) [BB4505CNRO](#) [BB4505CN](#) [B4505CNRO](#) [BB4505CNS](#) [B4505CNCO](#)