



Smart Technology. Delivered.



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
B4505CN	32 ¹ / ₄ in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F
BB4505CN	32 ¹ / ₄ in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F
B4505CNS(R)	32 ¹ / ₄ in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F
BB4505CNS(R)	32 ¹ / ₄ in 82 cm	.453 lbs 205.5 gm	1.44 in 36.57 mm	-31°F to +185°F

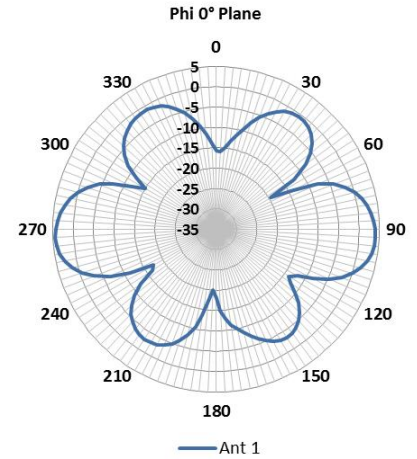
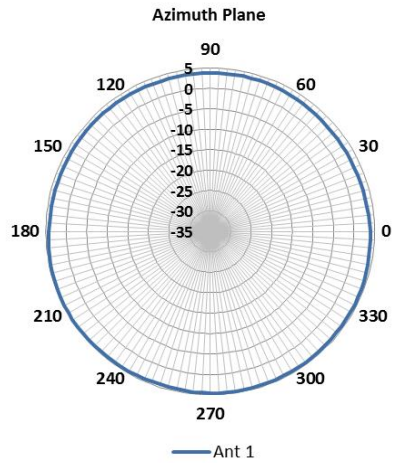
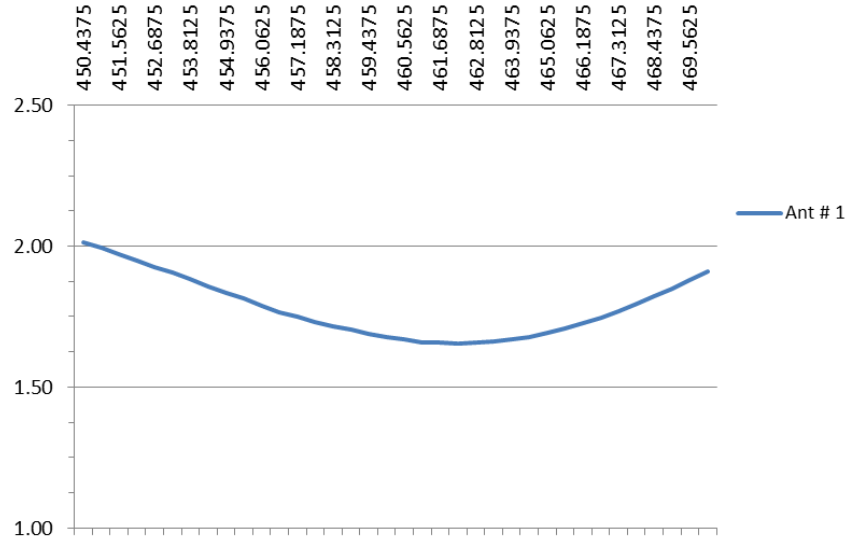
Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

B4505CN VSWR



IAS-DS-B4505CN 072914

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CERTIFICATE OF COMPLIANCE RoHS

To the best of the knowledge of Laird Technologies, this is to certify that all parts/products listed below meet the requirements of the RoHS Directive 2011/65/EU issued on July 1, 2011 with the listed below exemption, except on the ones that marked as “No” in the RoHS Compliance Status. (Note: when the Exemption Ref Number is left blank, it means the part is in full compliance without using any exemption)

Part Number Information:

Laird Part Number	RoHS Compliance Status (Yes, Yes with Exemption, No)	Exemption Ref Number
B4505CNS	Yes with Exemption	6C

Signature:  Date: 18-Mar-2014
(Authorized representative of Laird Technologies)

Name: Hiroe Bolinger

Title: Supply Chain & Logistics Consultant