



Laird Connectivity's ongoing commitment to refinement in mechanical and electrical design results 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 Connectivity 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 with NMO mountable
- 100% tested on a network analyzer

APPLICATIONS

- Public safety
- Transportation
- Utility
- Military mobile

ELECTRICAL SPECIFICATIONS

Model Name	B4505CN/BB4505CN/B4505CNS/BB4505CNS
Operating Frequency (MHz)	450-470
VSWR – Avg	≤ 2.0:1
Gain (dBi)	5
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Pattern	Omni-directional
Polarization	Vertical
Vertical Plane 3 dB Beamwidth (°)	28
Horizontal Plane 3 dB Beamwidth (°)	360

MECHANICAL SPECIFICATIONS

Dimensions – height x diameter – mm (inches)	820 x 36.57 (32.25 x 1.44)
Weight – g (oz.)	205.5 (7.25)

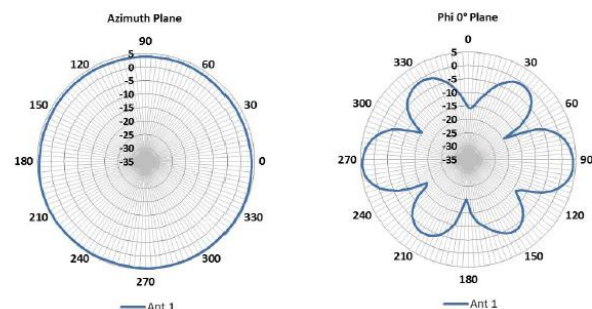
ENVIRONMENTAL SPECIFICATIONS

Indoor or Outdoor	Outdoor
Storage Temperature – °C (°F)	-35 to +85°C (-31 to +185°F)
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CONNECTOR
B4505CN	NMO
BB4505CN	NMO
B4505CNS(R)	NMO
BB4505CNS(R)	NMO

RADIATION PATTERNS



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