

Laird continues to develop and improve all land mobile radio antenna products. Years of refinement in the mechanical and electrical design of load coil products have resulted in the most technically advanced antennas on the market.

These mobile antennas are designed and built for demanding applications and typically outlast the cars they are mounted on. The antennas are manufactured in over 100 variations and each model is permanently marked for model and frequency. No ground plane antennas provide flexibility in any mounting application, while dual and wide band models attain full value out of today's advanced radios. Please contact Laird for availability on additional products and mobile applications.



## FEATURES

- Gold plated contact provides the most corrosion resistance and best power transfer over time
- ABS material is injection molded directly around the solid brass inserts for a virtually indestructible load coil housing that will not leak or disassemble.
- Stainless steel shock spring or elastomer spring options dampens vibration and will not rust.
- O-ring built into the base provides a weather-tight seal with gold push pin contact for best power transfer over time.

## APPLICATIONS

- Police Cruisers
- Municipal Vehicles
- Emergency Vehicles
- Industrial Vehicles

| Model                         | Description                       | Frequency Range | Center | Gain Freq | Overall Length | Whip Style             |
|-------------------------------|-----------------------------------|-----------------|--------|-----------|----------------|------------------------|
| Lowband DC Ground Base Models |                                   |                 |        |           |                |                        |
| C27                           | 1/4 Wave                          | 26.75-31        | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| C30                           | 1/4 Wave                          | Unity 30 - 35   | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| C34                           | 1/4 Wave                          | Unity 34 - 37   | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| C37                           | 1/4 Wave                          | Unity 37 - 40   | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| C40S                          | 1/4 Wave w/Spring                 | Unity 40 - 47   | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| C40                           | 1/4 Wave                          | Unity 40 - 47   | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| C47                           | 1/4 Wave                          | Unity 47 - 50   | MHz    | Tunable   | 52.5"          | 49" Tapered            |
| VHF Models                    |                                   | Unity           |        |           |                |                        |
| B66                           | 1/4 Wave Broadband                | 66 - 174        | MHz    | Tunable   | Unity          | 51" 49" Tapered        |
| B132                          | 1/4 Wave Broadband                | 132 - 928       | MHz    | Tunable   | Unity          | 23" 21" Straight       |
| B132S                         | 1/4 Wave Broadband                | 132 - 525       | MHz    | Tunable   | Unity          | 23" 21" Straight       |
| B1322N                        | NGP Base Loaded 1/2 Wave          | 132 - 174       | MHz    | Tunable   | 2.4 dBi        | 57" 55" Tapered        |
| B1322W                        | 1/4 Wave Wideband                 | Variable*       |        | Tunable   | Unity          | 23" 21" Straight       |
| B1322WS                       | 1/4 Wave Wideband w/spring        | Variable*       |        | Tunable   | Unity          | 23" 21" Straight       |
| B1323S                        | 5/8 Wave w/Spring                 | 132 - 174       | MHz    | Tunable   | 3 dBi          | 59" 55" Tapered        |
| B1323                         | 5/8 Wave                          | 132 - 174       | MHz    | Tunable   | 3 dBi          | 57" 55" Tapered        |
| B1442NS                       | NGP Base Loaded 1/2 Wave w/Spring | 144 - 174       | MHz    | Tunable   | 2.4 dBi        | 53" 49" Tapered        |
| B1442N                        | NGP Base Loaded 1/2 Wave          | 144 - 174       | MHz    | Tunable   | 2.4 dBi        | 51" 49" Tapered        |
| B1443                         | 5/8 Wave                          | 144 - 174       | MHz    | Tunable   | 3 dBi          | 51-3/8" 49" Tapered    |
| B1443S                        | 5/8 Wave w/Spring                 | 144 - 174       | MHz    | Tunable   | 3 dBi          | 53-3/8" 49" Tapered    |
| B2003                         | 5/8 Wave                          | 200 - 225       | MHz    | Tunable   | 3 dBi          | 35" 33" Straight       |
| B2503                         | 5/8 Wave                          | 250 - 280       | MHz    | Tunable   | 3 dBi          | 26.5" 24-1/2" Straight |
| B2002N                        | NGP Base Loaded 1/2 Wave          | 200 - 225       | MHz    | Tunable   | 2.4 dBi        | 31.5" 29-1/2" Straight |

Americas: +1.847.839.6925  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: IAS-AsiaSales@lairdtech.com

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

# Mobile Load Coil Antennas



| Model      | Description                    | Frequency Range | Center Freq | Gain  | Overall Length | Whip Style         |
|------------|--------------------------------|-----------------|-------------|-------|----------------|--------------------|
| UHF Models |                                |                 |             |       |                |                    |
| B4063      | 5/8 Wave                       | 406 - 430 MHz   | Tunable     | 3 dBi | 15"            | 13" Straight       |
| B4303      | 5/8 Wave                       | 430 - 450 MHz   | Tunable     | 3 dBi | 14"            | 11-13/16" Straight |
| B4503      | 5/8 Wave                       | 450 - 470 MHz   | Tunable     | 3 dBi | 13"            | 11" Straight       |
| B4703      | 5/8 Wave                       | 470 - 490 MHz   | Tunable     | 3 dBi | 12.5"          | 10-11/16" Straight |
| B4903      | 5/8 Wave                       | 490 - 512 MHz   | Tunable     | 3 dBi | 12.5"          | 10-1/2" Straight   |
| B4065C     | Closed Coil Collinear          | 406 - 430 MHz   | Tunable     | 5 dBi | 39.5"          | 37-3/8" Collinear  |
| B4305C     | Closed Coil Collinear          |                 |             |       |                | 34-1/8" Collinear  |
| B4505CS    | Closed Coil Collinear w/Spring |                 |             |       |                | 32-3/4" Collinear  |
| B4505C     | Closed Coil Collinear          |                 |             |       |                | 32-3/4" Collinear  |

| Model      | Description               | Frequency Range | Center Freq | Gain    | Overall Length | Whip Style         |
|------------|---------------------------|-----------------|-------------|---------|----------------|--------------------|
| UHF Models |                           |                 |             |         |                |                    |
| B4705C     | Closed Coil Collinear     | 470 - 490 MHz   | Tunable     | 5 dBi   | 33"            | 31-1/4" Collinear  |
| B4905C     | Closed Coil Collinear     | 490 - 512 MHz   | Tunable     | 5 dBi   | 31"            | 29-1/8" Collinear  |
| B4062N     | NGP 1/2 Wave              | 406 - 430 MHz   | Tunable     | 2.4 dBi | 14.31"         | 11-9/16" Straight  |
| B4302N     | NGP 1/2 Wave              | 430 - 450 MHz   | Tunable     | 2.4 dBi | 12.5"          | 10-5/8" Straight   |
| B4502N     | NGP 1/2 Wave              | 450 - 470 MHz   | Tunable     | 2.4 dBi | 12.5"          | 10-5/16" Straight  |
| B4065CN    | NGP Closed Coil Collinear | 406 - 430 MHz   | Tunable     | 5 dBi   | 36"            | 34-1/8" Collinear  |
| B4305CN    | NGP Closed Coil Collinear | 430 - 450 MHz   | Tunable     | 5 dBi   | 35"            | 32-7/8" Collinear  |
| B4505CN    | NGP Closed Coil Collinear | 450 - 470 MHz   | Tunable     | 5 dBi   | 32.5"          | 30-1/2" Collinear  |
| B4705CN    | NGP Closed Coil Collinear | 470 - 490 MHz   | Tunable     | 5 dBi   | 30.5"          | 28-7/16" Collinear |
| B4905CN    | NGP Closed Coil Collinear | 490 - 512 MHz   | Tunable     | 5 dBi   | 29"            | 27-1/8" Collinear  |

| Model                     | Description                | Frequency Range | Center Freq | Gain  | Overall Length |
|---------------------------|----------------------------|-----------------|-------------|-------|----------------|
| Wideband - Lowband        |                            |                 |             |       |                |
| WPC39S0B-001              | Omnidirectional Heavy Duty | 39 - 46         | 42.5 MHz    | 2 dBi | 63-7/8"        |
| MHz Wideband - VHF Models |                            |                 |             |       |                |
| CW1320                    | End Fed 1/4 Wave           | 132 - 174 MHz   | Tunable     | Unity | 18-3/4"        |
| CW1443                    | Base Loaded 5/8 Wave       | 144 - 156 MHz   | 150 MHz     | 3 dBi | 50-1/2"        |
| CW1503                    | Base Loaded 5/8 Wave       | 150 - 162 MHz   | 156 MHz     | 3 dBi | 48-1/2"        |
| CW1533                    | Base Loaded 5/8 Wave       | 153 - 169 MHz   | 161 MHz     | 3 dBi | 49-1/2"        |
| CW1623                    | Base Loaded 5/8 Wave       | 162 - 174 MHz   | 168 MHz     | 3 dBi | 43-1/2"        |
| Wideband - UHF Models     |                            |                 |             |       |                |
| CW4065C                   | Closed Coil Collinear      | 406 - 430 MHz   | 418 MHz     | 5 dBi | 37-1/2"        |
| CW4405C                   | Closed Coil Collinear      | 440 - 470 MHz   | 455 MHz     | 5 dBi | 35-1/2"        |

Americas: +1.847.839.6925  
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**

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.



## ANT-DS-Mobile-Load-Coil 0816

Any information furnished by Laird Inc. 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 materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird 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 or any third party intellectual property rights.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)