



## Mobile Load Coil Antennas

### B, C, and CW Series

TE Connectivity 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.

### FEATURES AND BENEFITS

- 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 FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
<b>Low-band DC Ground Base Models</b>						
C27	1/4 Wave Broadband	26.75-31 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered
C30	1/4 Wave Broadband	30-35 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered
C34	1/4 Wave Broadband	34-37 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered
C37	1/4 Wave Broadband	37-40 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered
C40S	1/4 Wave w/ Spring	40-47 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered
C40-L	1/4 Wave Broadband	40-47 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered
C47	1/4 Wave Broadband	47-50 MHz	Tunable	Unity	133.4 cm (52.5 in.)	49" Tapered

MODEL	DESCRIPTION	FREQUENCY RANGE	CENTER FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
<b>VHF Models</b>						
B132S-L	1/4 Wave Broadband	132-525 MHz	Tunable	Unity	58.4 cm (23.0 in.)	21" Straight
B1322N	NGP Base Loaded 1/2 Wave	132-174 MHz	Tunable	2.4 dBi	144.8 cm (57.0 in.)	55" Tapered
B1322W	1/2 Wave Broadband	Variable*	Tunable	Unity	58.4 cm (23.0 in.)	21" Straight
B1322WS	1/2 Wave Broadband w/ Spring	Variable*	Tunable	Unity	58.4 cm (23.0 in.)	21" Straight
WPB137S2.4CN-001	1/2 Wave Broadband	137 MHz	Center Tuned	2.4 dBi	114.6 cm (45.12 in.)	43" Tapered
WPB137S OCS-001	1/4 Wave w/ Spring	137 MHz	Center Tuned	Unity	54 cm (21.25 in.)	17.625" Straight
B1323S	5/8 Wave w/ Spring	132-174 MHz	Tunable	3 dBi	149.9 cm (59.0 in.)	55" Tapered
B1323-L	5/8 Wave	132-174 MHz	Tunable	3 dBi	144.8 cm (57.0 in.)	55" Tapered
B1442NS	NGP Base Loaded 1/2 Wave w/ Spring	144-174 MHz	Tunable	2.4 dBi	134.6 cm (53.0 in.)	49" Tapered
B1442N	NGP Base Loaded 1/2 Wave	144-174 MHz	Tunable	2.4 dBi	129.5 cm (51.0 in.)	49" Tapered
B1443-L	5/8 Wave	144-174 MHz	Tunable	3 dBi	130.5 cm (51-3/8 in.)	49" Tapered
B1443S	5/8 Wave w/ Spring	144-174 MHz	Tunable	3 dBi	135.6 cm (53-3/8 in.)	49" Tapered
B2503	5/8 Wave	250-280 MHz	Tunable	3 dBi	67.3 cm (26.5 in.)	24-1/2" Straight
B2002N	NGP Base Loaded 1/2 Wave	200-225 MHz	Tunable	2.4 dBi	80.0 (31.5 in.)	24-1/2" Straight
<b>UHF Models</b>						
B4063	5/8 Wave	406-430 MHz	Tunable	3 dBi	38.1 cm (15.0 in.)	13" Straight
B4503-L	5/8 Wave	450-470 MHz	Tunable	3 dBi	33.0 cm (13.0 in.)	11" Straight
B4503S	5/8 Wave w/Spring	450-470 MHz	Tunable	3 dBi	33.0 cm (13.0 in.)	11" Straight
B4065C	Closed Coil Collinear	406-430 MHz	Tunable	5 dBi	100.3 cm (39.5 in.)	37-3/8" Collinear

MODEL	DESCRIPTION	FREQUENCY RANGE	CENTER FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
<b>UHF Models</b>						
B4063	5/8 Wave	406-430 MHz	Tunable	3 dBi	38.1 cm (15.0 in.)	13" Straight
B4903	5/8 Wave	490-512 MHz	Tunable	3 dBi	31.8 cm (12.5 in.)	10-1/2" Straight
B4065C	Closed Coil Collinear	406-430 MHz	Tunable	5 dBi	100.3 cm (39.5 in.)	37-3/8" Collinear
B4505CS	Closed Coil Collinear w/ Spring	450-470 MHz	Tunable	5 dBi	94.0 cm (37.0 in.)	32-3/4" Collinear
B4505C	Closed Coil Collinear	450-470 MHz	Tunable	5 dBi	89.0 cm (35.0 in.)	32-3/4" Collinear
B4062N	NGP 1/2 Wave	406-430 MHz	Tunable	2.4 dBi	36.3 cm (14.31 in.)	10-5/8" Straight
B4302N	NGP 1/2 Wave	430-450 MHz	Tunable	2.4 dBi	31.8 cm (12.5 in.)	10-5/16" Straight
B4502NS	NGP 1/2 Wave w/Spring	450-470 MHz	Tunable	2.4 dBi	31.8 cm (12.5 in.)	34-1/8" Straight
B4502N	NGP 1/2 Wave	450-470 MHz	Tunable	2.4 dBi	31.8 cm (12.5 in.)	34-1/8" Straight
B4305CN	NGP Closed Coil Collinear	430-450 MHz	Tunable	5 dBi	89.0 cm (35.0 in.)	32-7/8" Collinear
B4505CN	NGP Closed Coil Collinear	450-470 MHz	Tunable	5 dBi	82.6 cm (32.5 in.)	30-1/2" Collinear
B4905CN	NGP Closed Coil Collinear	490-512 MHz	Tunable	5 dBi	73.7 cm (29.0 in.)	27-1/8" Collinear

MODEL	DESCRIPTION	FREQUENCY RANGE	CENTER FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
<b>Wideband - VHF Models</b>						
CW1443	Base Loaded 5/8 Wave	144-156 MHz	150 MHz	3 dBi	128.2 cm (50.5 in.)	
CW1503	Base Loaded 5/8 Wave	150-162 MHz	156 MHz	3 dBi	123.1 cm (48.5 in.)	
CW1533	Base Loaded 5/8 Wave	153-169 MHz	161 MHz	3 dBi	125.7 cm (49.5 in.)	
CW1623	Base Loaded 5/8 Wave	162-174 MHz	168 MHz	3 dBi	110.5 cm (43.5 in.)	
<b>Wideband - UHF Models</b>						
CW4065C	Closed Coil Collinear	406-430 MHz	418 MHz	5 dBi	95.3 cm (37.5 in.)	

---

## TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

## te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity 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 TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

08/22 Original