



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
Low-band DC Ground Base Models						
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
VHF Models - Chrome						
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
WPB137S OCS-001	1/4 Wave w/ Spring	137 MHz	Center Tuned	Unity	54 cm (21.25 in)	17.625" Straight
B1323S-L	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
B2002N	NGP Base Loaded 1/2 Wave	200-225 MHz	Tunable	2.4 dBi	80.0 (31.5 in.)	24-1/2" Straight
VHF Models - Black						
BB132-L	1/4 Wave Broadband	132-928 MHz	Tunable	Unity	58.4 cm (23.0 in.)	21" Straight
BB1442NS	NGP Base Loaded 1/2 Wave w/ Spring	144-174 MHz	Tunable	2.4 dBi	134.6 cm (53.0 in.)	49" Tapered
UHF Models - Chrome						
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
UHF Models - Black						
BB4502N-L	NGP 1/2 Wave	450-470 MHz	Tunable	2.4 dBi	31.75 cm (12.5 in.)	10-5/16" Straight
BB4502NS	NGP Base Loaded 1/2 Wave w/ Spring	450-470 MHz	Tunable	2.4 dBi	38.1 cm (15.0 in.)	13" Straight

MODEL	DESCRIPTION	FREQUENCY RANGE	CENTER FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
UHF Models - Chrome						
B4063	5/8 Wave	406-430 MHz	Tunable	3 dBi	38.1 cm (15.0 in.)	13" 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

MODEL	DESCRIPTION	FREQUENCY RANGE	CENTER FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
Wideband - VHF Models - Chrome						
CW1503	Base Loaded 5/8 Wave	150-162 MHz	156 MHz	3 dBi	123.1 cm (48.5 in.)	

MODEL	DESCRIPTION	FREQUENCY RANGE	CENTER FREQUENCY	GAIN FREQUENCY	OVERALL LENGTH	WHIP STYLE
Dual-Band VHF & UHF - Chrome						
C144-440C	Closed Coil Collinear	144-156 MHz	144 - 148 MHz 440 - 450 MHz	5 dB 2 dB	95.6 cm (37.625 in.)	35-1/2" Collinear
C144-440CS	Closed Coil Collinear w/ spring	150-162 MHz	150 - 174 MHz 450 - 470 MHz	5 dB 2 dB	85.7 cm (37.3 in.)	33-3/4" Collinear
C150-450C	Closed Coil Collinear	153-169 MHz	144 - 148 MHz 440 - 450 MHz	5 dB 2 dB	80 cm (31.5 in.)	29-3/8" Collinear
C150-450CS	Closed Coil Collinear w/ spring	162-174 MHz	150 - 174 MHz 450 - 470 MHz	5 dB 2 dB	80.3 cm (31.6 in.)	28-1/8" Collinear
Dual-Band VHF & UHF - Black						
CB144-440C	Closed Coil Collinear	144-156 MHz	144 - 148 MHz 440 - 450 MHz	5 dB 2 dB	95.6 cm (37.625 in.)	35-1/2" Collinear

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