

# Mobile Load Coil Antennas - Lowband, VHF, UHF, 800MHz & 900MHz

Our mobile antennas are designed and built for demanding applications. They have proven themselves to outlast the cars they are mounted on. Each model is permanently marked for model and frequency. **ANTENEX**® mobiles are used extensively on municipal vehicles, in off road racing, on industrial vehicles, taxi cabs and other high endurance applications such as police cruisers, emergency vehicles, and forestry service vehicles. The detailed attention given to the manufacture and design of our coils and coil housings ensure that they will last for years. We manufacture over 100 variations. Our no ground plane antennas give you the flexibility you need in any mounting application, while our dual band and wide band models allow you to get full value out of today's advanced radios. If you cannot find the right **ANTENEX**® product for your mobile application, please contact us for pricing and availability.



Model Frequency Gain Whip Style MSRP

Model	Frequency	Gain	Whip Style	MSRP
C27	26-28 MHz	Unity	49" Tapered	39.54
C30	30-35 MHz	Unity	49" Tapered	39.54
C34	34-37 MHz	Unity	49" Tapered	39.54
C37	37-40 MHz	Unity	49" Tapered	39.54
C40	40-47 MHz	Unity	49" Tapered	39.54
C47	47-50 MHz	Unity	49" Tapered	39.54

## VHF 1/4 WAVE MODELS

B66	66-174 MHz	Unity	49" Tapered	33.30
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## VHF 1/4 WAVE BROADBAND MODELS

B132	132-928 MHz	Unity	21" Straight	26.00
B132S	132-525 MHz	Unity	21" Straight	36.17

## VHF 5/8 WAVE BROADBAND MODELS

B1323	132-174 MHz	3 dB	55" Tapered	37.61
B1443	144-174 MHz	3 dB	49" Tapered	36.30
B2003	200-250 MHz	3 dB	33" Straight	36.30
B2503	250-280 MHz	3 dB	24½" Straight	36.30

## VHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS

B1322N	132-174 MHz	2.4 dB	55" Tapered	36.30
B1442N	144-174 MHz	2.4 dB	49" Tapered	36.30
B2002N	200-225 MHz	2.4 dB	29½" Straight	36.30

## UHF 5/8 WAVE MODELS

B4063	406-430 MHz	3 dB	13" Straight	31.50
B4303	430-450 MHz	3 dB	11 13/16" Straight	31.50
B4503	450-470 MHz	3 dB	11" Straight	31.50
B4703	470-490 MHz	3 dB	10 11/16" Straight	31.50
B4903	490-512 MHz	3 dB	10½" Straight	31.50

## Ordering Guide - Clear, Easy & Sensible!

**B4505CNS** = Medium Black Base, 450-470 MHz, 5 dB, Closed Phasing Coil, No Ground Plane Design, with Shock Spring.

<b>B</b>	<b>Antenna Style</b>	<b>B</b> = Medium Base <b>C</b> = Tall Base																								
<b>B</b>	<b>Finish</b>	<b>Blank</b> = Chrome <b>B</b> = Black Finish <b>W</b> = White Housing																								
<b>450</b>	<b>Frequency</b>	Frequency component of part number in bold below: <table border="1"> <tbody> <tr> <td>26-28</td> <td>30-35</td> <td>34-37</td> <td>37-40</td> </tr> <tr> <td>40-47</td> <td>47-50</td> <td>66-174</td> <td>132-525</td> </tr> <tr> <td>132-174</td> <td>132-928</td> <td>144-174</td> <td>200-225</td> </tr> <tr> <td>200-250</td> <td>250-280</td> <td>406-430</td> <td>430-450</td> </tr> <tr> <td>450-470</td> <td>470-490</td> <td>490-512</td> <td>806-866</td> </tr> <tr> <td>896-970</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	26-28	30-35	34-37	37-40	40-47	47-50	66-174	132-525	132-174	132-928	144-174	200-225	200-250	250-280	406-430	430-450	450-470	470-490	490-512	806-866	896-970			
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896-970																										
<b>5</b>	<b>Gain</b>	<b>Blank</b> = Unity <b>3</b> = 3 dB <b>2</b> = 2.4 dB <b>5</b> = 5 dB																								
<b>C</b>	<b>Phasing Coil</b>	<b>Blank</b> = Straight or Tapered Rod <b>C</b> = Closed Phasing Coil (collinear radiator only)																								
<b>N</b>	<b>Ground Plane</b>	<b>Blank</b> = Ground Plane required <b>N</b> = No Ground Plane required																								
<b>S</b>	<b>Spring Option</b>	<b>S</b> = Spring Option																								

All coils are tuned on a network analyzer before packaging to assure proper performance.

Model	Frequency	Gain	Whip Style	MSRP
<b>UHF CLOSED COIL COLLINEAR MODELS</b>				
B4065C	406-430 MHz	5 dB	37 3/8" Collinear	39.24
B4305C	430-450 MHz	5 dB	34 1/8" Collinear	39.24
B4505C	450-470 MHz	5 dB	32¾" Collinear	39.24
B4705C	470-490 MHz	5 dB	31¼" Collinear	39.24
B4905C	490-512 MHz	5 dB	29 1/8" Collinear	39.24

Model	Frequency	Gain	Whip Style	MSRP
<b>UHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS</b>				
B4302N	430-450 MHz	2.4 dB	10 5/8" Straight	32.46
B4502N	450-470 MHz	2.4 dB	10 5/16" Straight	32.46

Model	Frequency	Gain	Whip Style	MSRP
<b>UHF NO GROUND PLANE CLOSED COIL COLLINEAR MODELS</b>				
B4065CN	406-430 MHz	5 dB	34 1/8" Collinear	46.87
B4305CN	430-450 MHz	5 dB	32 7/8" Collinear	46.87
B4505CN	450-470 MHz	5 dB	30½" Collinear	46.87
B4705CN	470-490 MHz	5 dB	28 7/16" Collinear	46.87
B4905CN	490-512 MHz	5 dB	27 1/8" Collinear	46.87

Model	Frequency	Gain	Whip Style	MSRP
<b>800 MHz BASE LOADED 5/8 WAVE MODELS</b>				
B8063	806-866 MHz	3 dB	4 7/8" Straight	26.88

Model	Frequency	Gain	Whip Style	MSRP
<b>800/900 MHz BASE LOADED CLOSED COLLINEAR MODELS</b>				
B8065C	806-866 MHz	5 dB	16" Collinear	42.51
B8965C	896-970 MHz	5 dB	13¾" Collinear	42.51

Model	Frequency	Gain	Whip Style	MSRP
<b>800 MHz NO GROUND PLANE BASE LOADED ½ WAVE MODELS</b>				
B8062N	806-866 MHz	2.4 dB	4 7/8" Straight	30.08

Model	Frequency	Gain	Whip Style	MSRP
<b>800/900 MHz NO GROUND PLANE CLOSED COLLINEAR MODELS</b>				
B8065CN	806-866 MHz	5 dB	16" Collinear	49.28
B8965CN	896-970 MHz	5 dB	13¾" Collinear	49.28

Model	Description	MSRP
<b>SPRING OPTION ACCESSORY</b>		
S	Shock Spring for B and C Coils	10.36
SB	Black Chrome Shock Spring for B & C Coils	16.90

Model	Description	MSRP
<b>BLACK CHROME FINISH OPTION</b>		
B	Black LowBand, VHF, UHF or 800/900 MHz	12.50

Model	Description	MSRP
<b>MOBILE TO BASE CONVERTERS</b>		
MBC	Mobile-to-Base Conv. for VHF, UHF w/ SO239	30.90
MBCN	Mobile-to-Base Conv. for VHF, UHF w/ N Term.	30.90
MBC800	Mobile-to-Base Conv. for 800/900 MHz w/ N	30.90

Add "S" to the end of the part number to receive a coil with spring.

Add a "B" to the part number to indicate black finish.

See the Ordering Guide above for details.

800/900 MHz models are not available with a spring.

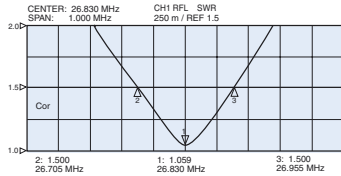
Models with whips >49" are not available in black but may be painted upon installation.

## Features & Benefits

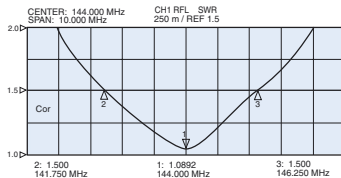
- Triple Chrome Plated Rod Ferrules & Bushings
- Three Dimensional Coil Form
- Silver Soldered Contacts
- 17-7 ph Stainless Whip
- Gold Push Pin Contact
- O-ring in the Base

Custom  
Tuning  
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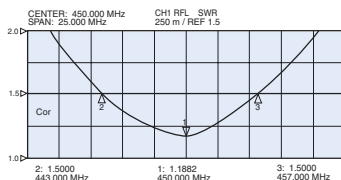
### VSWR



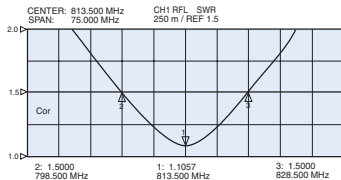
C27



B1443



B4505C



B8065C



Removable Rod



Gold Contact  
Lifetime Product Identification



CB27

BW1443

BB1443S

BB4505C

BB8063



B1443

B4505C

C27

## Technical Data - Product Features & Information

- **Gain:** See model.
- **Frequency Range:** See model.
- **VSWR:** <1.5:1 unless otherwise noted, <2:1 for Lowband.
- **Maximum Power:** All models - 200 watts.
- **Bandwidth:** See representative VSWR plot.
- **Impedance:** 50 ohms.
- **Tuning:** Models are shipped at the lowest frequency in the range. Custom factory tuning is available.
- **Mounting Base:** Molded high heat ABS with copper, nickel, brite or black chrome solid brass inserts.
- **Radiator:** 17-7ph tapered stainless steel whip or 17-7ph straight stainless steel collinear with a centerless ground finish or black chrome plate.
- **Coil Form:** 3 dimensional precision machined delrin.<sup>®</sup>
- **Phasing Coils:** Silver plated tempered brass.
- **Contacts:** Gold plated push pin.
- **Mounts to:** 3/4", 3/8", Magnetic and Mini-Trunk mounts.
- **Quality Assurance:** 100% tested on a network analyzer.