

The **ANTENEX**® patented **Genesis**™ wide-band antenna models are truly a solid state technological breakthrough. **Genesis**™ wide-band models have a unique network that compensates for the change in impedance with frequency, which increases its useful operating bandwidth to double that of other gain antennas.

There are many advantages to this design including no tuning, which translates into ease of installation and reduced cost. There is no need to trim the whip! Just install "out of the box." The unique matching network in these antennas adjusts itself to different mounting conditions. Just imagine the potential labor savings in large fleet installations and simplicity in user installed upgrades.

Genesis™ wide-bands allow radios to operate on two near but nonadjacent bands. Bands that are near each other in the spectrum, but far enough apart, usually require more than one antenna.

Ordering Guide - Clear, Easy & Sensible!

CWB4405CS = **GENESIS**™ Wide-Band Mobile Model, Black Chrome Finish, 440-470 MHz, 5 dB, Closed Phasing Coil, with Shock Spring.

CW	Antenna Style	CW = GENESIS Wide-Band™ Model
B	Finish	Blank = Chrome B = Black
440	Frequency	Frequency component of part number in bold below: 27-28 30-34 32-36 34-40 37-46 39-45 42-48 47-54 50-54 132-144 132-174 144-156 150-162 153-169 162-174 406-430 420-450 440-470 470-512
5	Gain	Blank = Unity (Lowband Models) 0 = Unity 3 = 3 dB 5 = 5 dB
C	Phasing Coil	Blank = Open Phasing Coil (collinear radiator only) C = Closed Phasing Coil (collinear radiator only)
S	Spring Option	S = Spring Option

U.S. Patent #5604507.
International patents pending.



A Solid State Miracle.
The only one of its kind in the World.

Easy Installation
NO ROD TRIMMING!!!

Gold Contact

Cutaways of Models: CW4405C, CW27, CW1503

Model	Frequency	Radiator	Whip Length
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LOWBAND WIDEBAND UNITY MODELS

CW27	26.8-29.7 MHz	Base Loaded 1/4 Wave	64"
CW30	30-34 MHz	Base Loaded 1/4 Wave	60"
CW32	32-36 MHz	Base Loaded 1/4 Wave	61 1/4"
CW34	34-40 MHz	Base Loaded 1/4 Wave	62 1/2"
CW37	37-46 MHz	Base Loaded 1/4 Wave	57 1/2"
CW39	39-45 MHz	Base Loaded 1/4 Wave	54 1/2"
CW42	42-48 MHz	Base Loaded 1/4 Wave	51 1/2"
CW47	47-54 MHz	Base Loaded 1/4 Wave	45"
CW50	50-54 MHz	Base Loaded 1/4 Wave	45"

"The new wide band coils for my mobiles have enhanced the radio's performance and distance." -- Alan, West Yellowstone Emergency Services

VHF WIDEBAND UNITY MODEL

CW1320	132-174 MHz	End Fed 1/4 Wave	15 1/4"
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VHF WIDEBAND 3 dB MODELS

CW1323	132-144 MHz	Base Loaded 5/8 Wave	52"
CW1443	144-156 MHz	Base Loaded 5/8 Wave	47"
CW1503	150-162 MHz	Base Loaded 5/8 Wave	45"
CW1533	153-169 MHz	Base Loaded 5/8 Wave	46"
CW1623	162-174 MHz	Base Loaded 5/8 Wave	41"

UHF WIDEBAND 5 dB MODELS

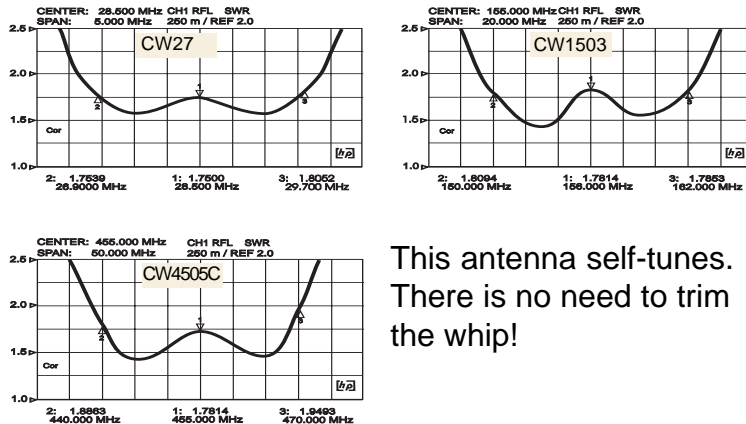
CW4065C	406-430 MHz	Closed Coil Collinear	34 1/8"
CW4205C	420-450 MHz	Closed Coil Collinear	31 3/4"
CW4405C	440-470 MHz	Closed Coil Collinear	32 1/8"
CW4705C	470-512 MHz	Closed Coil Collinear	29 7/8"

Note: All whip lengths are valid for models without spring option.

Models with whips longer than 49" are not available in black.

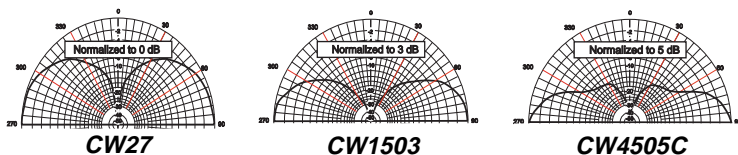
See pages 32-35 for mounting options!

Whip length may vary slightly depending on manufacturing process.



This antenna self-tunes.
There is no need to trim the whip!

Vertical Field Pattern



Technical Data - Product Features & Information

	LOWBAND	VHF	UHF
● Gain:	Unity	3 dB	5 dB
● VSWR (across band):	2.0:1 or better	2.0:1 or better	2.0:1 or better
● Maximum Power:	200 watts	200 watts	200 watts
● Bandwidth:	Exceeds 10% @1.8:1 VSWR	Exceeds 10% @1.8:1 VSWR	Exceeds 10% @1.8:1 VSWR
● Impedance:	50 ohms DC Continuity	50 ohms DC Continuity	50 ohms DC Continuity
● Mounts to:	3/4" hole, 3/8" hole, Magnetic & Mini-Trunk Mounts		