Alpha Antenna

Field Guide

34' 6" Telescopic Element

Deployment: Deploy the guyed element with counterpoise on the staked or tripod mount

Vertical Antenna Formulas for 1/4, 1/2, & 5/8 Wave variants

1/4 Wave Vertical: For the approximate deployed element length in feet for a 1/4 vertical, divide 234 by frequency in MHz.

1/2 Wave Vertical: For the approximate deployed element length in feet for a 1/2 vertical, divide 468 by frequency in MHz. This option has 2.14db more gain than a 1/4 wave vertical.

5/8 Wave Vertical: For the approximate deployed element length in feet for a 5/8 vertical, divide 585 by frequency in MHz. This option has 3db more gain than a 1/4 wave vertical.

Warnings: Watch for Power Lines, Use a sturdy mounting solution, Secure Guy Ropes to Guy Ring and Anchors.

Not for use on the Alpha Match or Hex Hub.

USER CONFIGURED LENGTH CHART

*Vertical Element Length will vary based upon ground conditions. Tune to resonance by extending or retracting the telescopic whip.

Band	*Vertical Element Length	Radials No. & Length ***Standard Rules Below Apply*
40 Meters		
30 Meters		
20 Meters		
17 Meters		
15 Meters		
12 Meters		
10 Meters		
6 Meters		
2 Meters		

*** A minimum of 4 radials and for optimum performance 16 or more, each at least a 1/4 wavelength at the lowest operating frequency.*

How to attach all the options