

# α ALPHA ANTENNA®

## 10-80 Meter V43 OCF Vertical Antenna

### Operation

This is a multiband system that allows the use of an external antenna tuner if it is installed over poor ground or not placed in a clear area. Please feel free to email us at [alphaantenna@gmail.com](mailto:alphaantenna@gmail.com) if you have any questions.

NOTE – Signals will launch away from the 25' 3" element.

### Deployment

<p>17' 9" Vertical Element</p> <p>25' 3" Element</p> <p>Coax</p> <p>8' Ground Wire</p>	<p><b>NOTE - Never loosen any permanently affixed bolts, washers, or nuts on the match.</b></p> <p>Step 1 – Install your 1.25" mast* (*Requires optional mast mount) or your 6-inch or wider board for mounting the antenna away from power lines.</p> <p>Step 2 – Place the ground wire connector on the bottom bolt of the match.</p> <p>* OPTIONAL Step 3 – Install the Mast Mount to the Match with 4 included bolts and slide the Mast Mount over your 1.25" mast.</p> <p>Step 4 – Push the stake on the ground wire into the earth ground.</p> <p>Step 5 – Screw the Vertical Element onto the top bolt on the match while fully extending it.</p> <p>Step 6 – Place the 25' 3" element's connector on the top bolt of the match.</p> <p>Step 7 – Attach your coax from your tuner to the SO-239 on the match.</p>
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### Specifications

ITEM	LEADING PARTICULARS
Operating Parameters	MAX POWER: 250W SSB, 125W CW, 25W Digital FREQUENCY COVERAGE: 10-80 meters (29.7-3.5 MHz)
Polarization	Horizontal and Vertical polarization
Input impedance	50 ohms
Azimuth	Semi-Directional
Elevation	NVIS & DX
Wind and ice	Guyed 50 MPH & non-guyed 40MPH wind with no ice.
Maximum/Minimum height	Stored 23 ½ inches deployed 18 feet 3 inches.