

Portable vertical antenna from canopy poles

KE5HDF Ralph phillips Jan. 20, 2022

Why a Vertical

- I wanted something portable for
 - Field day
 - camping
 - POTA
 - Emergency set up with no tall trees or other structure for support of dipole
 - Easy set up

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Amazon.com: KOMCLUB Adjustable: X

https://www.amazon.com/dp/B094NL3FVX?ref=ppx_yo2_dt_b_product_detail_bth=1


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Last purchased Jan 11, 2022. Color: 12 Section-94.5Inch | View order Set reminder

 Removable rubber tip cap-- Non-conductive material it could eliminates tears and punctures.

KOMCLUB Adjustable Tarp Poles 94.5" Camping Poles Stainless Steel Lightweight Tent Pole for Camping Hiking Outdoor Sport Activities

Brand: KOMCLUB ★★★★★ 33 ratings

\$22.99 & FREE Returns

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Color: 12 Section-94.5Inch

Material Stainless Steel Size Tent poles only

\$22.99 \$22.99 \$26.99 \$31.99 \$26.99

Qtr: 1

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Results so far

- Tuned for 20m ($\frac{1}{4}$ wave)
 - Total length 15ft 8inches (calcs say 16ft 7inches)
 - Diameter $\frac{1}{2}$ inch
 - 12 sections of tubing plus 9inch stinger
 - 4 radials at 16ft 7inches
 - SWR 1.2 or less across the band
 - FT8 at 60W hitting Australia and Europe, plus across USA

Next steps

- Add a plastic ring at 10ft for guy lines
- Add radials for 10m to see if it will tune as a $\frac{1}{2}$ wave vertical
- Try 6m radials
- Adjust number of sections as needed to tune 10m and 6m
- Add all my sections to see if I can tune 40m (I may be a few sections short.)

Questions you may have

- What is the measured SWR?
 - 14.0 MHz 1.0
 - 14.2 1.1
 - 14.35 1.15
- How does it work on “harmonic” bands
 - 7.2 MHz SWR 5.5
 - 28.4 3.0
 - 52.0 2.5