

The SS34+ Vertical VHF HF Antenna is a 2-40 Meter 304 stainless steel telescopic whip with 17-sections that extends to 34.5 feet and collapses to approximately 29 inches.

Use our [Make an Offer Program](#) and Click this button if you can't afford full price.

Make An Offer (Without Options)

Vertical VHF HF Antenna Variants

1/4 Wave Vertical: For the approximate deployed element length in feet for a 1/4 vertical, divide 234 by frequency in MHz for deployment from 2-40M.

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 and can be configured from 2-20 Meters.

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 and can be configured from 2-17M.

SS34 Performance and Radiation Pattern Chart

3 Configurable Options

	Deployed Option	Bands	Gain
Performance	1/4 Wave Vertical	2-40 Meters	Gain 3 dB
	1/2 Wave Vertical	2-20 Meters	Gain 5.14 dB
	5/8 Wave Vertical	2-17 Meters	Gain 6 dB
Pattern	Omnidirectional		

Tuning

Tune by extending or retracting the SS-34+ telescopic whip for resonance for use as an omni-directional vertical on 40 through 2 meters when radials are installed on

the ground side of a sturdy mounting solution.

Specifications

PEP Rating: 1000W

Materials: Stainless Steel

Band Coverage: 2M to 40M with radials

Dimensions

Base Diameter: ~ 1.00"

Largest Element Diameter: ~ 0.90"

Length (Collapsed): ~ 29"

Length (Extended): ~ 34.5'

Weight: ~ 2.3 lb.

Included

- 34' 6" telescopic element, which is 29 inches long when all 17 segments are collapsed.
- A zippered non-padded gear bag with carrying strap that perfectly stores the SS34+ element and the following items:
- 4 x 35' Radial Kit that provides a ground plan to increase performance when attached to the bolts on the mount.
- A Guying Kit for even more stability.
- The SS34+ Mount for secure deployment with SO239.

Videos

✂ 11 Band 2-40M Portable Vertical Antenna



“This antenna is a 40-meter band POWERHOUSE” KB9VBR

✂ 11 Band 2-40M Portable Vertical Antenna



Deployment Video

WARNINGS

Electrical precautions should always be taken when deploying antennas

The SS34+ Vertical VHF HF Antenna should only be used with a sturdy mounting solution.

It is necessary to Guy this system with ropes and anchors to the included Guying Adapter when deployed for 30/40 meters or the element will bend and sway, or perhaps even break. Guying may also be required on other bands if wind conditions require it.

Features

Usage: Perfect for EmComm, POTA, SOTA, DXpeditions, and other portable deployments.

Durability: Laser engraved with Alpha Antenna on the base adapter, which is milled and fitted to the telescopic elements (not crimped) for ruggedness and stability.

[CLICK HERE FOR THE USER GUIDE](#)

Options

To deploy this on a tripod with elevated user supplied 'tuned' counterpoise', then purchase the [Survivor Tripod Mount](#) and the [SS34+ Bolt - Alpha Antenna](#).

We listen!

We are dedicated to improving all of our [Portable VHF UHF HF Antennas](#). Specifications and descriptions are subject to change without notice.

4.8



Based on 16 reviews

5★

81

81%

✂ 11 Band 2-40M Portable Vertical Antenna

4★

19

19%

3★

0%

2★

0%

1★

0%

Q ✕

Search

1-5 of 16 reviews

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1.



Protected_User_29b2c81c

Verified owner

Featured Review

July 19, 2026



[✂ 11 Band 2-40M Portable Vertical Antenna](#)

☒ Verified review - [view original](#) ☒

I purchased the SS-34+ Deluxe 11band vertical 2m - 40m \$325:00 (on special offer at \$295 when I purchased), direct from alpha antennas. Due to public holidays it took about 3 weeks to ship to MI.

Absolutely amazed at the construction quality of the antenna, simple to erect and only needs height adjustment for bands or to adjust centre of operation

✂ 11 Band 2-40M Portable Vertical Antenna

frequency (no coils or banana plugs), no atu required.

It is rated at 1KW and depending on band has a 3 – 6 db gain omnidirectional. Guy ropes, ground radials and carry bag included. Total cost in GBP was £240:00 delivered.

One antenna for portable use that covers all the bands that you will need. I've set it up in the garden to test and be objective, if you do any portable work this is the antenna for you. The only small criticism I could find and it's so small, insignificant really is if the carry bag was a little larger and possibly compartmentalised (even as an optional purchase extra).

This is a perfect antenna for portable work, period.

Alpha antenna followed up with a personal email to check how the purchase, shipping and overall satisfaction went. I have no hesitation in recommending Alpha Antennas.

Kind regards

James MI5AHG

TQ

2.

Protected_User_24884d62

Verified owner

May 11, 2026



✂ 11 Band 2-40M Portable Vertical Antenna

✖ Verified review - [view original](#) ✖

R

3.

Protected_User_2a3ac256

✂ 11 Band 2-40M Portable Vertical Antenna

Verified owner

November 22, 2025



✂ 11 Band 2-40M Portable Vertical Antenna

✖ Verified review - [view original](#) ✖

Great

KK

4.

Protected_User_99643cec

Verified owner

November 16, 2025



✂ 11 Band 2-40M Portable Vertical Antenna

✖ Verified review - [view original](#) ✖

Hi Steve and team, I have just got this from the USA to India. Haven't field tested it yet but impressed with the build quality. will be doing so coming weekend. will keep you posted.

✂ 11 Band 2-40M Portable Vertical Antenna

AL

5.

Protected_User_1806ab9a

Verified owner

November 11, 2025



✂ 11 Band 2-40M Portable Vertical Antenna

❌ Verified review - [view original](#) ❌

This antenna is spot on. The extendable antenna is heavy duty, and very well built. The rest of the components are equally well built. I just wish the storage bag was larger to more easily accomodate with wires and tent stakes.

Show more reviews (11)