

2-40M+440 HF VHF UHF Antenna + Tripod

This HF, VHF, and UHF antenna functions as both a resonant, legal-limit rigid dipole and vertical antenna. When used as a dipole, it covers 2 to 40 meters; deployed as a vertical, it operates on 10-20 meters as well as 220 MHz and 440 MHz. Included for mounting are the Survivor Tripod and a mount for 1.25-inch masts. **PATENT PENDING**

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Specifications

- Power: Full legal limit (1500W PEP)
- RF Connection: SO-239
- Frequency: 2 - 40 Meters, plus 220MHz, & 440MHz
- 80 ounces is the maximum weight when deployed as a dipole
- Packable at a size of 24 x 4 1/2 inches
- Environmental operating parameters: -15 to 150 degrees Fahrenheit and winds up to 35 Mph when guyed, otherwise 15 Mph.

Included

- 2 - 5.41 meter (17' 9") telescopic stainless-steel whips (with "Alpha Antenna" laser engraved)
- 1 - HexTenna hub

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- 2 - 30/40 meter wire clip-on 18' elements (one set)
- 1 - 31 foot counterpoise for use when deploying the Vertical on 12-20 meters
 - **Please note that Counterpoise are highly efficient tuned elements that are deployed at resonant lengths by rolling out the coil of wire.**
- 1 - Non-padded bag. NOTE - Everything except the tripod fits in the non-padded bag. purchase the optional Large Padded Field Bag that will hold everything.
- 1 - Survivor Tripod and Female 5/8 11 to Female 3/3 24 Adapter

Options

Delta Loop: Provides touch free matching from 6 through 80 meters and a power rating of 250W PEP SSB, 125W CW, and 25W Digital, which is most effective from 10.1 to 54.0 MHz (30-6M), while also providing short range Near-Vertical Incidence Skywave (NVIS) propagation on 3.5 to 7.0 MHz (80 - 40M).

Simply add BOTH the **Delta Loop Element** and the **MIL 2.0 Match** from the 'Options' on this page to your cart.

* An external antenna tuner should be used if the antenna system is deployed over a poor ground or not placed in a clear area.



Delta Loop Setup

Deployment

For temporary outdoor use, deployment can be achieved using the included Top of Mast Mount, which can be affixed to any sized pipe between 1 to 1 1/4 inch outside diameter. It is recommended that you ALWAYS guy this system. For guying options see the [Mast Guying Adapter to stabilizes deployments](#).

Two (2) DX/NVIS Tips and Tricks for the HexTenna are:

1. To transform the V-Dipole that enhanced NVIS into an Inverted V-Dipole to enhance DX, hang it from a tree or install it upside down on a mast or hang it from a tree. NOTE -DX and NVIS will still also work, but with less effectiveness, no matter how it is installed.
2. To improve performance, especially for DX and when deployed as a Vertical, then Multiple Raised **Resonant** Counterpoise Elements can be constructed in lieu of the single Counterpoise that is rolled out/in for resonance.

NOTE - There is no upgrade path to the [HexTenna Yagi](#), as it has a different design, and the hubs are physically mounted on the boom.

Analysis

Download the Scans for the AntScope application: [Download Scans here](#)

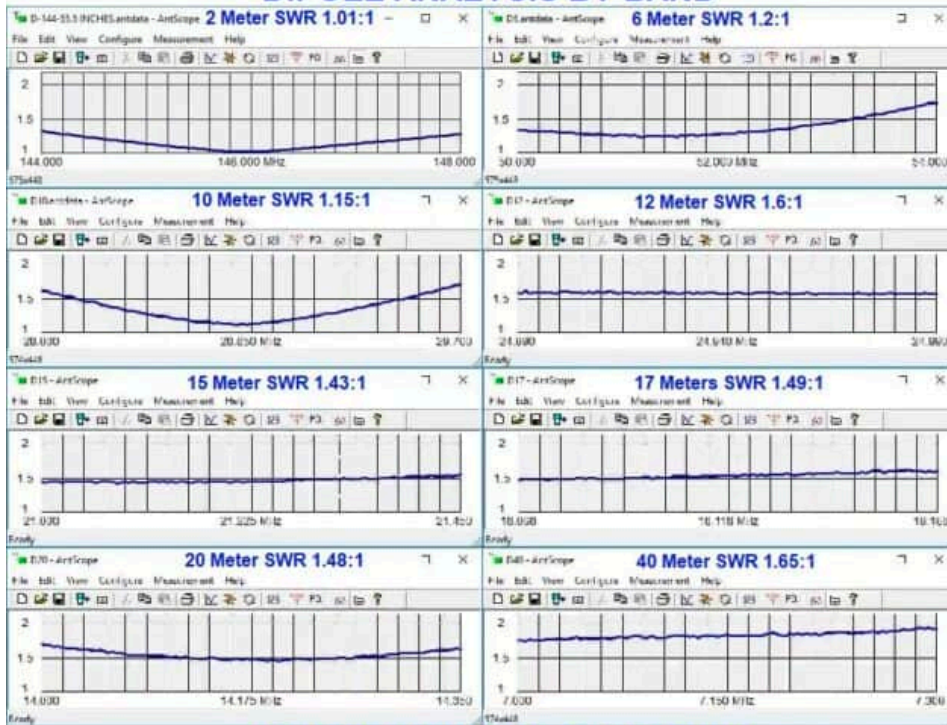
DIPOLE CONFIGURATION		VERTICAL CONFIGURATION	
Band	SWR	Band	SWR
2 Meters	1.01:1	440 MHz	1.39:1
6 Meters	1.2:1	220 MHz	1.1:1
10 Meters	1.15:1	10 Meters	1.65:1
12 Meters	1.6:1	12 Meters	1.23:1
15 Meters	1.43:1	15 Meters	1.29:1
17 Meters	1.49:1	17 Meters	1.49:1
20 Meters	1.48:1	20 Meters	1.38:1
40 Meters	1.65:1	-	-

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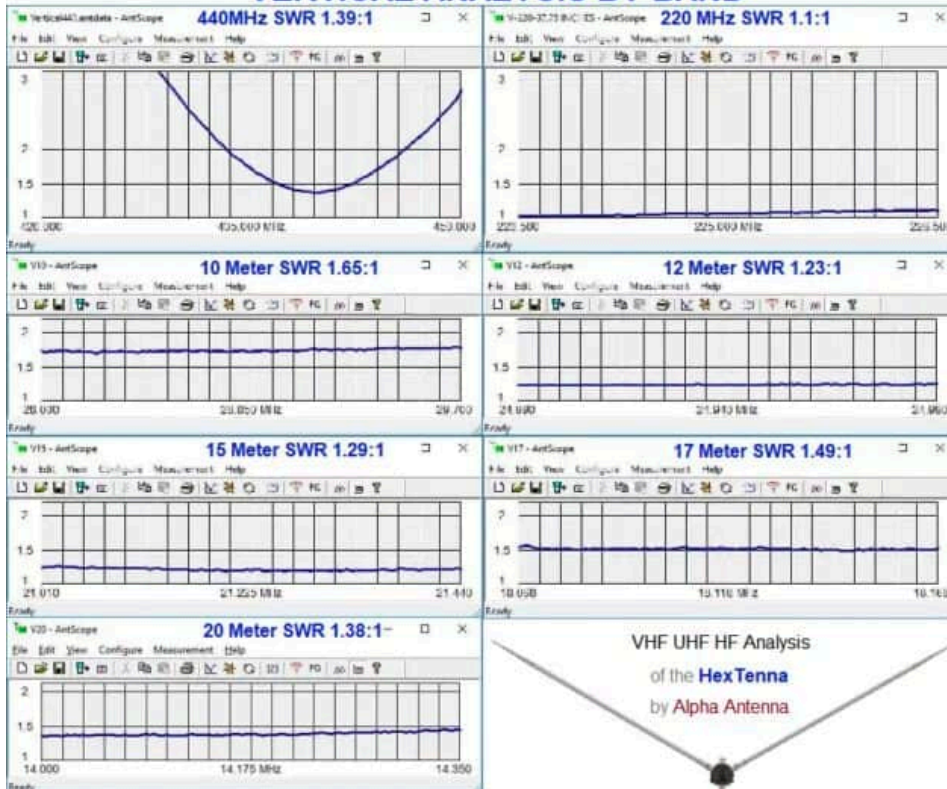
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VHF UHF HF 440MHz to 7.0MHz - Dipole & Vertical Analysis

DIPOLE ANALYSIS BY BAND



VERTICAL ANALYSIS BY BAND



Differences

[2-20M HexTenna Yagi antenna vs a Vertical Dipole VHF HF HF HexTenna](#)

More Information

The whips for the HexTenna Deluxe are telescopic, so as to enable you to adjust them for the band you are using. These whips are angled to change the naturally occurring 72-ohm dipole component to 50 ohms. This is not a 'no tune all-band antenna'. For example, when deployed for 20 meters, it has two self-supporting telescopic whips that have a total deployed length of about 34 feet. The resonance is naturally occurring as you adjust the whips for the band you would like to operate on. Furthermore, when deployed on 40 meters, then this antenna becomes an M-Dipole that is 35 feet 9 inches on each side. The HexTenna can also be configured as a Delta Loop when the Alpha Antenna option for that configuration is purchased.

[FAQs: HexTenna antenna - 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.

5.0



Based on 41 reviews

5★

100

100%

4★

0%

3★

0%

2★

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0%

1★

0%



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1.



Protected_User_ce1912d8

Verified owner

Featured Review

July 19, 2026



[2-40M+440 HF VHF UHF Antenna + Tripod](#)

Verified review - [view original](#)

This antenna works so well I thought my radio was broken!

I have now taken it on 3 POTA deployments. I really wanted to put it through its paces before I did a review.

It did so well on 20m, with such a low noise floor, I thought my radio settings were wrong and my attenuator was on max. Nope, just an excellent antenna.

Consistently able to get this antenna deployed and tuned to below 1.1:1 in less than 5 minutes. That's incredibly hard to beat. Obviously audio reports are

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subject to the propagation gods, but I have been getting great reports as far as California and across the Caribbean from Central Florida. The tripod has 100 different uses and configurations as well.

10/10 recommend!

TB

2.

Protected_User_4b6f7f17

Verified owner

Featured Review

June 30, 2026



[2-40M+440 HF VHF UHF Antenna + Tripod](#)

 Verified review - [view original](#) 

I've really enjoyed using the HexTenna. It's easy to set up, packs down well, and has worked great with my G90. One thing I also appreciate is that Alpha Antenna cares about making amateur radio accessible to everyone. As a veteran with a hearing-impaired wife, I especially appreciate the company's commitment to accessibility and ADA-focused design. I respect companies that support service members and work to make this hobby available to as many people as possible. Thanks for making a great product.

A

3.

Protected_User_147c06b4

2-40M+440 HF VHF UHF Antenna + Tripod

Verified owner

June 30, 2026



[2-40M+440 HF VHF UHF Antenna + Tripod](#)

 Verified review - [view original](#) 

Love this antenna! Easy and portable! Looking forward to many years of use.
Thank you, Alpha!



4.

Protected_User_330bc3d3

Verified owner

May 25, 2026



[2-40M+440 HF VHF UHF Antenna + Tripod](#)

 Verified review - [view original](#) 

Had a ripped antenna whip bag during shipment. Sent an e-mail and received a quick response and received replacement. Great customer service!

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R

5.

Protected_User_5a5a4cf2

Verified owner

April 15, 2026



[2-40M+440 HF VHF UHF Antenna + Tripod](#)

 Verified review - [view original](#) 

I haven't had the chance to use the Hextenna. However, the Hextenna is built with quality materials, also they are friendly and professional. Can't wait to use it with better weather. The customer service is EXCELLENT! Products were shipped quickly. I'd highly recommend getting the Tripod bag and alpha loop bag as both are high quality bags for storing your investment.

Show more reviews (36)