

6-80M MIL EmComm Deluxe Antenna

A tuner free system for 6-80M that delivers efficient and effective NVIS, DX, and Ground Wave signal patterns.

1. **Saves Time:** Sets up in less than 5 minutes ✂
2. **Clear Choice:** Provides touch free and tuner free operations from 6-80M ☐
3. **Superior Design:** Provides low noise receive and high output from a balanced design ☐
4. **Assurances:** Free Lifetime support PLUS Limited Lifetime Warranty ☐
5. **Community:** Over 10,000 worldwide users ☐

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

Make An Offer (Without Options)

Specifications

- Antenna Type: OCF Vertical L-Dipole
- Bands: 6m, 10m, 12m, 15m, 17m, 20m, 30m, 40m, 60m, 80m
- Max Power (Watts): 250 PEP SSB, 125 CW, or 25 watts for digital modes. NOTE
– The MIL-STD-188 M110a digital communications mode is rated at bursts of 100 watts digital for up to 1 minute using the MIL-STD Data Modem Terminal (MS-DMT) and Automated Message Terminal (AMT) software applications.
- Weight – Stowed Size: 212 ounces & 41 x 7.5 x 7.5 inches
- RF Connection: SO-239
- Impedance: 50 ohms
- IP Rating: IP-53 – Protected against dust limited ingress, no harmful deposits. Protected against direct sprays of water up to 60 degrees from the vertical.
- Environmental operating parameters: -15 to 150 degrees Fahrenheit and winds up to 35 Mph

Included

- 1 – Telescopic heavy duty aluminum tripod in a non-padded equipment bag
- 1 – 5/8-11in. Male & 3/8-24in. Female with the Survivor Tripod Adapter
- 1 – A second non-padded bag with the following in it:
 - 1 – Auto Match with SO239 connector
 - 1 – Seven section MilStick element is 9' 4" long (When storing, fold the whip starting from the top section.)

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1 - 25 ft. NVIS element wire

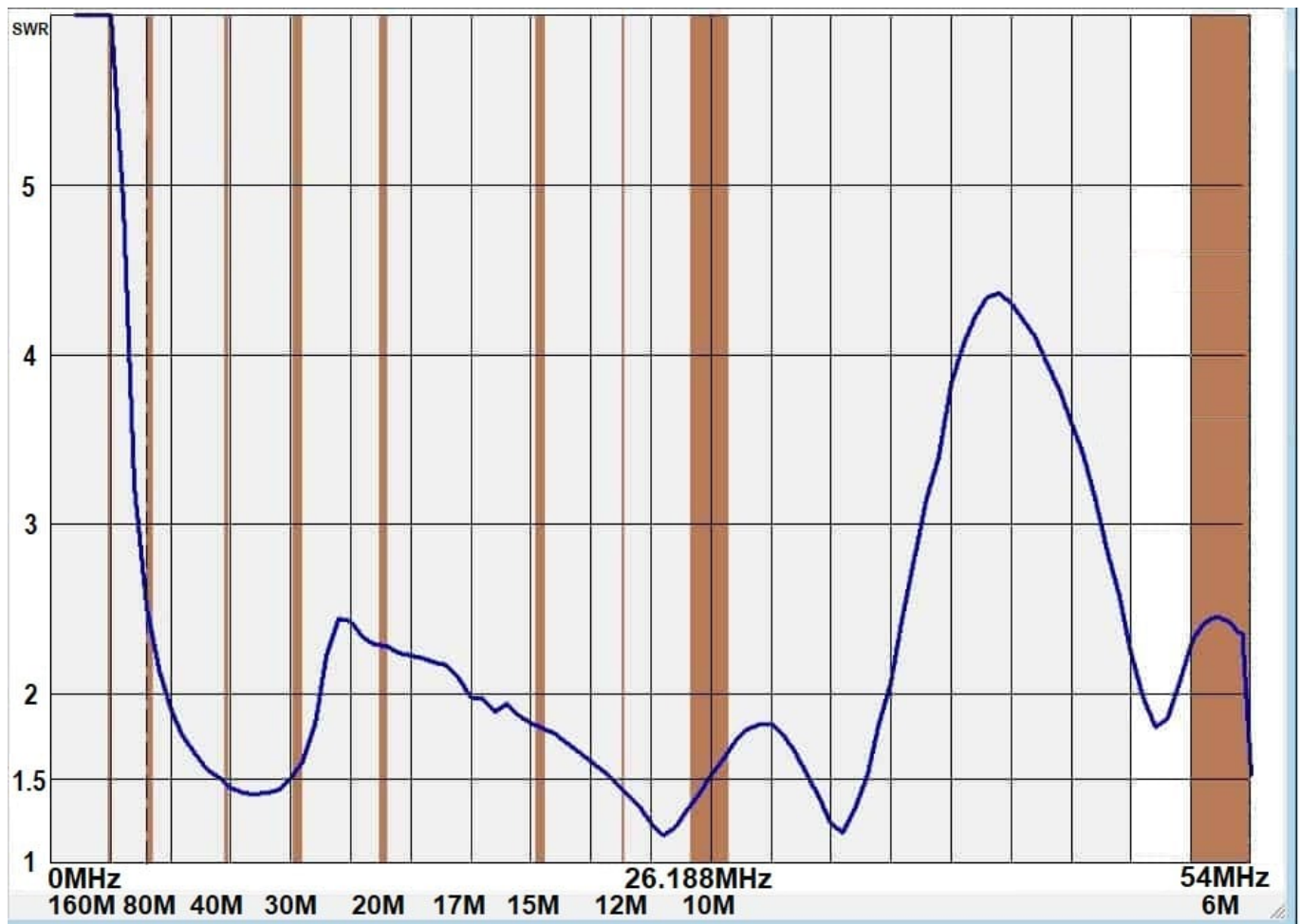
1 - 8 ft. Grounded counterpoise wire with ground stake

Videos



Analysis

Analysis at the portable HF antenna when properly deployed on the tripod with Vertical, NVIS, & Grounded Counterpoise elements without a tuner. An external antenna tuner can be used if the antenna system is deployed over a poor ground or not placed in a clear area.

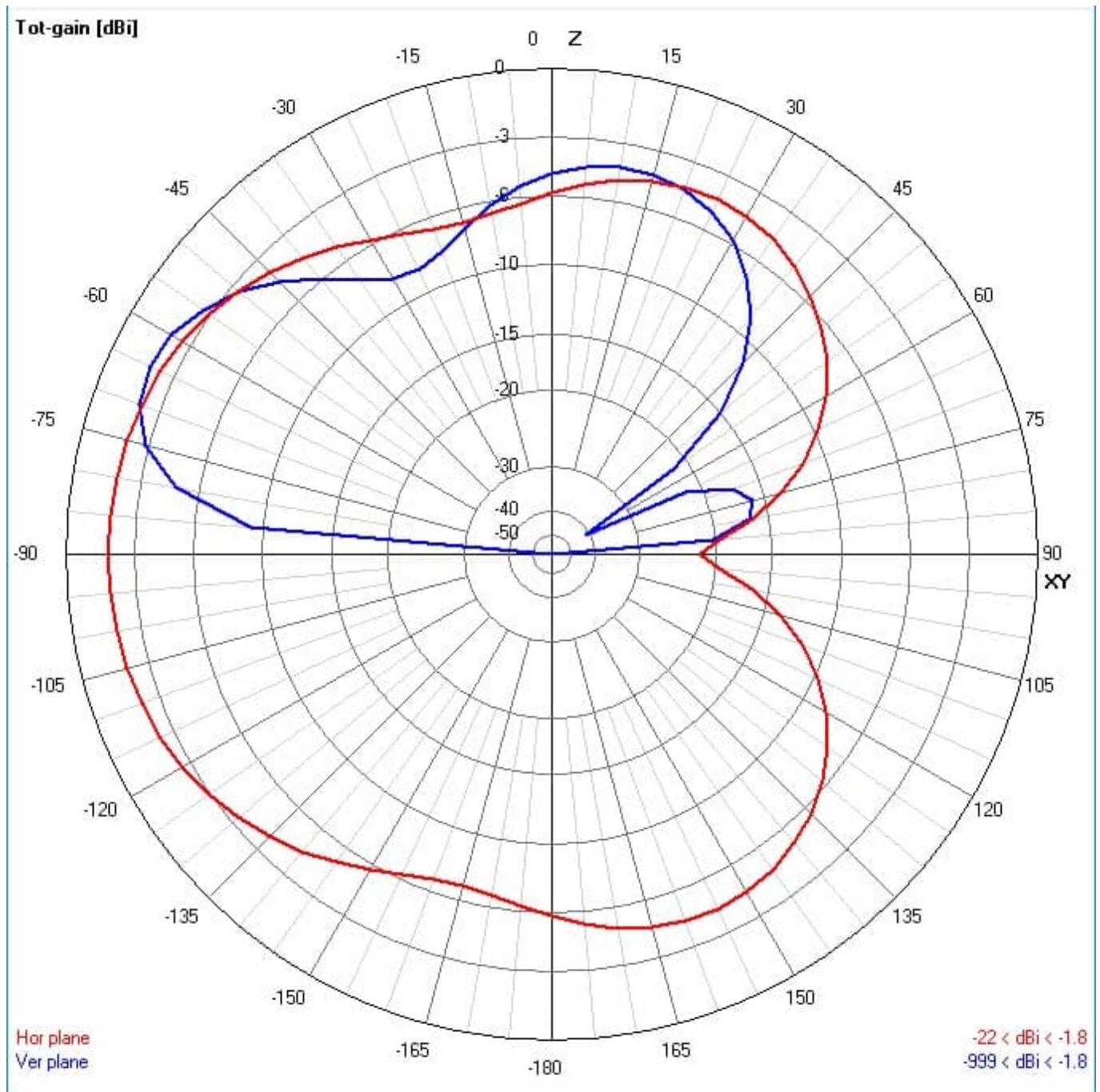


Signal Pattern

Elevation/Azimuth signal patterns with default configuration.

(BLUE is from the Side & RED is from Above of the antenna)

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Warning

Never Remove or Loosen any of the Bolts, Washers, Nuts, or Caps on the AutoMatch.

More Information

Signal Pattern: Using the NVIS, Vertical & Grounded Counterpoise elements, the balance of the system launches your signal at your target in the opposite direction the NVIS element is run. For an omnidirectional signal pattern, you may remove the NVIS element.

No Guying: The HD Tripod wraps around and protects the antenna system when stored. Talons and a built-in heel step are at the base of each tripod leg. This enables the tripod to be used in most environmental conditions without guy wires.

Touch free operations: The system enables you to switch bands or change frequencies without having to change switches, jumpers, or coils as it is an off-center fed dipole type vertical that is pre-tuned when deployed over real ground. Making this antenna especially useful if you have a disability such as being mobility or sight impaired.

Increased ERP (Effective Radiated Power): The electrically balanced OCF dipole circuit of the system has an increased ERP over the base fed vertical (end-fed) antennas that use lossy matches to force low SWRs.

DX and NVIS signal patterns: The combination of a Vertical element with the NVIS and Grounded Counterpoise elements provide for a directional portable HF antenna system that enhances lower take off angles for increased DX communications, while simultaneously enhancing NVIS (Near Vertical Incident Skywave) for stateside communications.

Stability: The AutoMatch is computer designed for proper balance. It contains a transformer that is enclosed in a rugged housing. The match and elements are what give the AutoMatch both the inductive and capacitive balance. Once the elements are installed, their capacitive characteristics also enables RF to radiate.

MilStick Whip: This antenna is our electrically conductive, industrial strength MilStick whip. The composite of the MilStick whip is a high strength alloy. The construction of each element has a scratch-resistant surface. The inserts are then electrically bonded, where full RF continuity is used to ensure that maximum efficiencies are achieved. This *Seven section MilStick vertical element that is 9' 4" long* is excellent for most deployments in environments that are not exposed daily to salt water or extreme physical abuse. An optional stainless-steel whip is available

for saltwater environments.

Industrial Wiring: Sheathed memory free wiring is used, which is rated for temperatures from -40°C to +175°C. This makes it far superior to wiring that is so light duty that it can be wrapped around a kite string holder.

Assistance

[FAQs: MIL 2.0 FMJ HF antenna + Tripod by 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

★ ★ ★ ★ ★

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1.

Protected_User_877f567f

Verified owner

Featured Review

July 9, 2026



6-80M MIL EmComm Deluxe Antenna



[6-80M MIL EmComm Deluxe Antenna](#)

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

This is my first Alpha Antenna. I found myself needing an easily deployable antenna that is ADA compliant. This antenna meets all my expectations and works well. I can easily operate wheelchair/rollator/patio portable now.

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I had a 1.1:1 match on 20m with my KX2 today using only the short ground wire. Great company with a great product. I would highly recommend. Thank you Steve.

AT

2.

Protected_User_a1b1bdfc

Verified owner

July 7, 2026



6-80M MIL EmComm Deluxe Antenna



[6-80M MIL EmComm Deluxe Antenna](#)

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

I am using this antenna on every outing now I just can't believe how well it works, fantastic product and will be ordering another in the future



3.

Protected_User_86311f9d

Verified owner

June 17, 2026



6-80M MIL EmComm Deluxe Antenna



[6-80M MIL EmComm Deluxe Antenna](#)

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

I'm very impressed with this antenna and it's quick and easy to deploy. It performs well on all bands. A great set-up for FD and POTA ops.



4.

Protected_User_3e1a2d9b

Verified owner

June 7, 2026



6-80M MIL EmComm Deluxe Antenna



[6-80M MIL EmComm Deluxe Antenna](#)

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

This antenna and tripod together are wonderful. It is easy to set up and take down, and the field flexibility is out of this world. It is phenomenal, and I just wish I could have obtained it sooner.

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5.

Protected_User_c11deb83

Verified owner

March 4, 2026



6-80M MIL EmComm Deluxe Antenna



[6-80M MIL EmComm Deluxe Antenna](#)

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

Very good product.

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