

6-80M MIL EmComm Stealth Antenna

This portable 6-80M HF MIL EmComm system is a tactical wide-band antenna for Directional DX and NVIS. Rapid deployments from the small pack makes using the robust building blocks of this system easy and efficient to deploy.

Options for deployment:

1. Mount between 5 to 6 feet on your own 1" O.D. Tripod Mast for enhanced DX, or
2. Mount on the included stake for enhance NVIS patterns, which lowers the threat of DF signal detection and also the risk of being seen.

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

Make An Offer (Without Options)

Included

1 - A non-padded bag with the following in it:

1 - Auto Match, with:

- SO239 connector
- M to F UHF L-Adapter
- Top Mount; Female 3/8 24
- Side Ground bolt; Male 3/8 24
- Bottom Mounting Hardware: Female 5/8 11

1 - Seven section MilStick element is 9' 4" long (When storing, fold the whip starting from the top section.)

1 - For raised deployments, a Mount is included that will fit up to a 1" (25mm) O.D. mast on your own tripod.

1 - Ground mount Spike

1 - 25 ft. NVIS element wire

1 - 8 ft. ground wire

Videos



Warning

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

Specifications

Supported 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: 80 ounces

Stowed Size: 19 x 10 x 5 inches

Environmental operating parameters: -15 to 199 degrees Fahrenheit and winds up to 35 Mph

Antenna Type: Standing L

Physical Mounting Hardware on Match: 3/8 24 bolt

RF Connection: SO-239

Impedance: 50 ohms

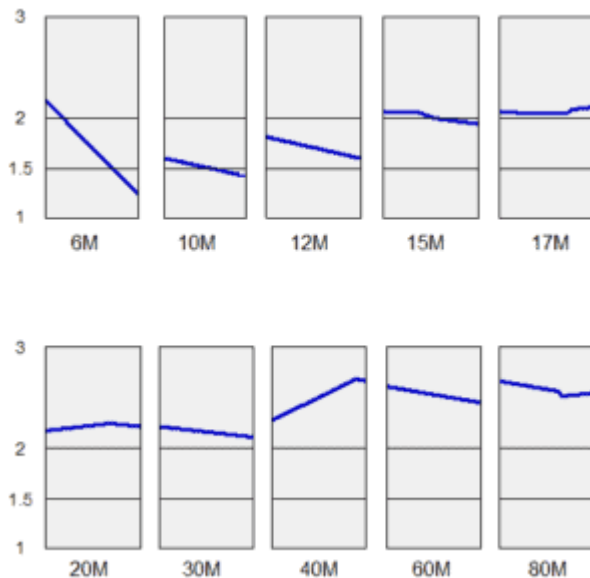
IP Rating: IP-53 - Protected against dust limited ingress, no harmful deposits.

Protected against direct sprays of water up to 60 degrees from the vertical.

Analysis

Analysis at the 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.

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SWR Analysis using Whip & NVIS

More Information

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

Touch free operations: This updated version of the FMJ 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.

Let's go deeper

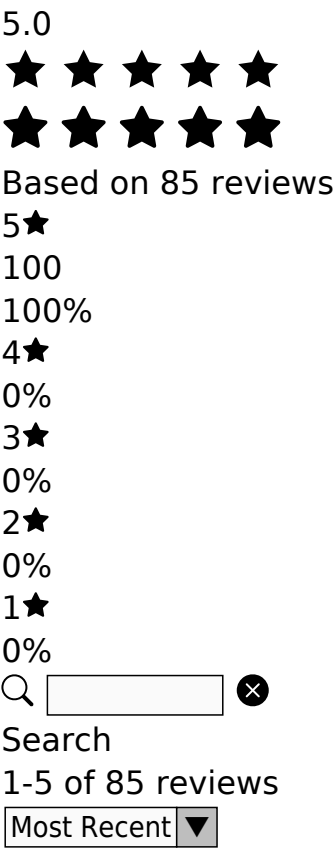
[What antenna does the military use?](#)

Assistance

[FAQs: MIL 2.0 FMJ HF antenna + Tripod - 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.



1.

P
- Protected_User_0c00f19b
- Reviewer
- August 25, 2026
- ★★★★★
- ★★★★★

6-80M MIL EmComm Stealth Antenna



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

 Verified review - [view original](#) 

Exerlent antenna and well built easy to deploy

CG

2.

Protected_User_4cdc5efc

Verified owner

September 17, 2025



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

 Verified review - [view original](#) 

BG

3.

Protected_User_fa86ebd2

Verified owner

August 4, 2025



6-80M MIL EmComm Stealth Antenna



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

It works well enough if switching bands frequently is needed. To improve the SWR on the 40 meter band, I used the 17' adjustable whip and things improved quite a bit across all bands.

For use on the 20 meter band the POTA Performer is hard to beat but the Alpha Mil 2.0 is better if band hopping is needed.

TR

4.

Protected_User_5cb6037e

Verified owner

May 15, 2025



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

This antenna system meets all of my desires for portable operation. It is easy to deploy. It is compact. I am able to blend it with non Alpha components for flexibility and experimentation without any problems. Most importantly I am having fun with it.

DC

5.

Protected_User_36575b3c

6-80M MIL EmComm Stealth Antenna

Verified owner

February 11, 2025



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

 Verified review - [view original](#) 

Your xompany always goes the Extra Mile in Quality, Customer Service and Selection! That's why I have so many. Plan to add your new EmComm Mag Loop with the small legs when I can save up some extra cash.

Do you know if that one be on sale before summer? Regular price is listed as \$399.

Thanks.

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