

EFHW-8010-1K

End Fed Half Wave - EFHW
Antenna for
80/40/30/20/17/15/12/10m



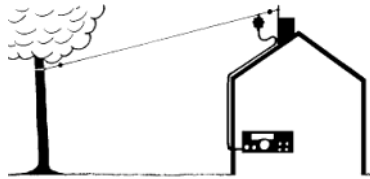
Specifications

- Frequency coverage: 3-30MHz
- Wire length: 130 feet (39.6m)
- Power Handling: 1kW I.C.A.S max.
- Weight: 2.25lbs. (1.02kg)
- Hardware: Stainless Steel
- Connector: Silver/Teflon SO-239

EFHW-8010-1K EFHW ANTENNA

The perfect antenna for DXing, EMCOM, ALE HF-link stations, NVIS, MARS, ARES, RACES ...

Various installations such as horizontal, vertical, an inverted V, as well as inverted L, zigzag etc. are possible. Measured VSWRs are taken with the antenna in an inverted V shape with the center of the wire at 20 feet elevation and ends a few feet above ground, your values could vary with method and height of installation.



Assembly

Fasten the box on to any surface such as a wall, wooden post, tower or hang it from tree or any other structure. Remove all wire ties and String the wire in any way you have room for and attach the coaxial line and grounding. *Avoid longer grounding wires and ground the coaxial cable instead at the station.*

Always make sure that wire is at least 20 feet high above ground at the middle portion of a 130 foot long wire. Extra feet of wire is left on the end insulator of the antenna for fine tuning if needed. If the resonant point at 80m (should be 3.55-3.6MHz) is too low for you, the wire may be cut to be shortened slightly to move that point upward in frequency. Note that the resonant points on other bands will move too. This antenna will not need radials and in most cases require NO Tuner at all.

Grounding at the lug next to the SO239 connector is recommended!

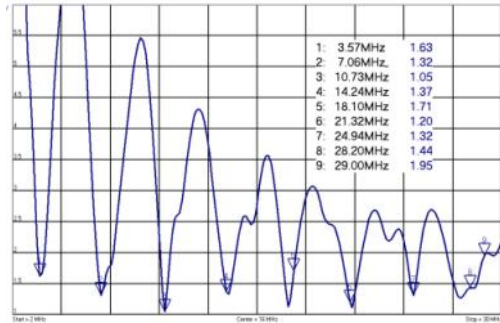
If the transformer box is installed more than 20ft from the ground, do not run ground wire but ground the end of the coaxial cable at the radio side. Long wires tend to collect electrostatic charge (usually during stormy weather) which can produce ESD (electrostatic discharge) at the end of your cable and damage your equipment. **The MEF-330-1K transformer box is sealed to avoid tempering with tuned circuit inside.**



Typical installation of an EFHW antenna at about 6ft above ground or higher. You can use inexpensive flag poles as support at the end or in the middle of the wire. Tall trees and other structures of 20 feet or higher as support are even better.

Typical VSWR reading across the bands with 100ft of RG8X cable:

- 3.60MHz 1.5:1
- 7.05MHz 1.2:1
- 10.1MHz 1.8:1
- 14.2MHz 1.1:1
- 18.1MHz 1.5:1
- 21.2MHz 1.3:1
- 24.9MHz 1.2:1
- 28.5MHz 1.4:1



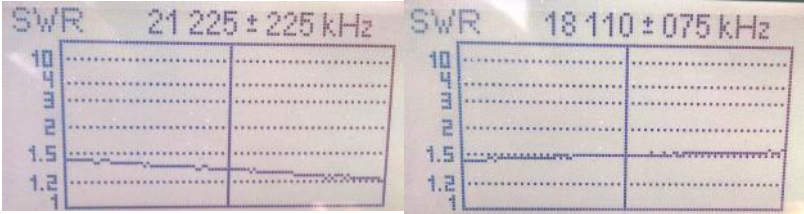
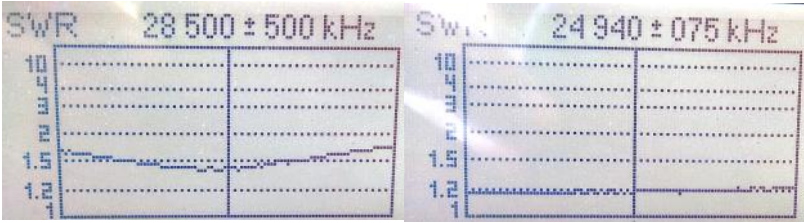
Power rating of 1kW I.C.A.S. maximum

ICAS = Intermittent Commercial and Amateur Service

- **Adjust your power to style of operation, make sure that the transmit period is followed by the same or longer receive period in order to meet ICAS power rating.**

NOTE: VSWR might vary with above ground height, type of soil, nearby structures or objects such as buildings, towers etc.

No guarantee or liability is either expressed or implied pertaining to damages to persons, buildings, or equipment in the installation or use of our antennas. You must use extreme caution when working around power lines. If the antenna were to come into contact with a voltage carrying line it could be fatal.



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