



eXpeditionary HF (X_{HF}^{TM})

Patent Pending

© Sabre Systems, LLC 2025

Enhanced NVIS 2-Wire (ENV-2) Antenna

Making HF Tactically Relevant

Expeditionary...without Sacrificing Performance

- + **Significantly smaller, simpler, and more user-friendly than other HF antennas**
- + **Easy transport:** packs into three cases transportable as checked luggage
- + **Easy setup:** 30 minutes or less
- + **Minimum personnel:** 1-2 persons required for setup
- + **Small footprint:** Fraction of required real-estate compared to other antennas

- + **Unmatched Performance - Global Communications Capability across entire HF band**
- + **Wide, 3-30 MHz, Instantaneous bandwidth**
- + **Consistent high performance across entire HF frequency band:**
 - Consistent VSWR
 - Consistent Gain
 - Consistent Radiation Patterns

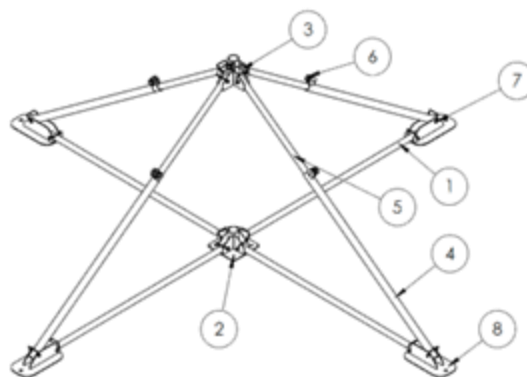
Three X_{HF} System Components

(shown below and to the left)

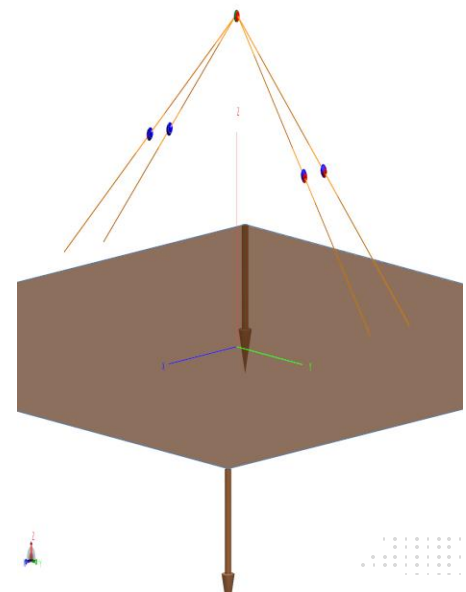
- 1 **Quick Setup Quad-leg Base**
- 2 **Telescoping Mast**
- 3 **Antenna Kit**



X_{HF} Transport Case



X_{HF} Quick Setup Quad-leg Base



Sabre
SABRE SYSTEMS

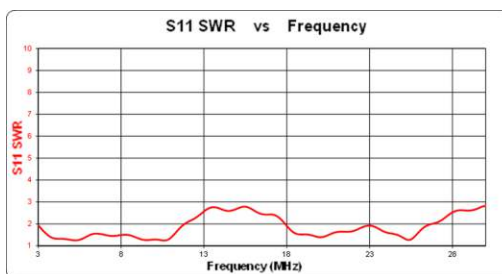
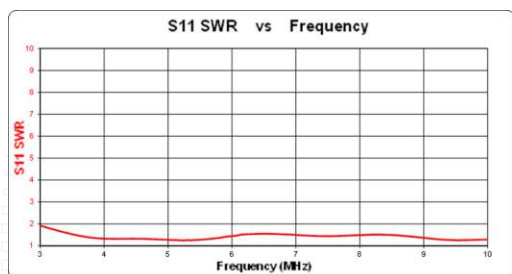


The Revolutionary HF Antenna
Enhanced NVIS 2-Wire (ENV-2) Antenna



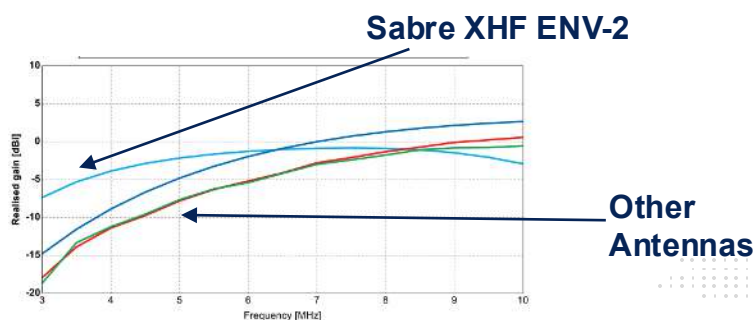
XHF ENV-2 – Providing unprecedented reliable HF performance at transmit powers of over 1 kW

Optimized for NVIS Operations – Optimized for <10 MHz NVIS operations, but still provides good performance through entire HF band



Significantly better VSWR in NVIS bands

5-10 dB better gain in NVIS bands



Wideband HF... Large instantaneous bandwidths supports advanced waveforms and enables wideband operations – no external tuner required!

Contact Sabre Systems for more information...

Sabre
SABRE SYSTEMS

www.sabresystems.com | 877.722.7379



Jack L. Burbank
jburbank@sabresystems.com
267.410.3078