

Whiskey HF NVIS Broadband Antenna Series

The Whiskey ("W") antenna is a 2–30 MHz broadband HF system with omnidirectional NVIS+ performance, designed for tactical or permanent communications over distances from roughly 1 to 2,500 miles depending on frequency and propagation.

It uses a single 9.1 m mast, weighs 18.6 kg, and has a 26 m × 8.5 m footprint. Deployment takes 30–45 minutes with one or two operators, requires no ground plane, and is suitable for rooftops, hangars, or hard-standing sites.

It provides full-band omnidirectional coverage with no dead zones, combining strong NVIS performance at lower HF with multi-lobe propagation for longer ranges. The antenna typically achieves ~1.5:1 SWR (max 1.8:1 at 4 MHz), requires no tuner, and supports ALE and up to 24 kHz wideband operation. It is compatible with all HF radios, supports up to 1 kW (optional 5 kW upgrade), uses 20 m URM67 coax with N-type connectors, and is rated for winds up to 90 mph. It also offers strong receive performance and can be deployed at lower heights for enhanced NVIS or reduced visibility use.

Key Benefits:

- Versatile
- Multi-mode
- Balun transformers
- Ground anchors
- Complimentary support masts



Antennas	WHISKEY-1K-ANT	WHISKEY-1K-ANT/C	WHISKEY-1K-ANT/EXT/A	WHISKEY-1K-ANT/EXT/A	WHISKEY-1K-ANT/SS
Antenna Materials	PVC Coated Kevlar	PVC Coated Kevlar	Stainless steel	PVC Coated Kevlar	Stainless steel
Bandwidth	Broadband	Broadband	Broadband	Broadband	Broadband
Cable length	URM67 20m	URM67 20m	URM67 20m	URM67 20m	URM67 20m
Frequency range (MHz)	2-30Mhz	2-30Mhz	2-30Mhz	2-30Mhz	2-30Mhz
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Input connector	N Type	N Type	N Type	N Type	N Type
Packed Dimensions	1020mm x 300mm x 230mm	800mm x 300mm x 230 mm	1020mm x 300mm x 230mm	1020mm x 300mm x 230mm	1020mm x 300mm x 230mm
Packed Weight	18.6kg	-	-	-	-
Polarisation	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Power Rating	1kW	1kW	1kW	1kW	1kW
Site Requirements (Inc. Masts)	9.1m mast	9.1m mast	9.1m mast	9.1m mast	9.1m mast