SHAKESPEARE®

SKP-NVIS

180" (4.5M) HF NVIS ANTENNA KIT | 1.8-54 MHZ

Shakespeare® SKP-NVIS is a lightweight, portable HF Near Vertical Incidence Skywave (NVIS) antenna kit engineered for reliable communications in demanding field environments. Based on the proven design of the U.S. Army's AS-2259/GR antenna, SKP-NVIS offers enhanced portability, reduced weight, and expanded frequency coverage without compromising rugged durability. Operating across a broad 1.8–54 MHz frequency range, this antenna kit is designed for versatile field deployment and dependable performance in challenging conditions.

SPECIFICATIONS:

ELECTRICAL

FREQUENCY RANGE:	1.8 – 54 MHz
DIPOLE / RADIATION PATTERN:	Omnidirectional
INSTANTANEOUS BANDWIDTH:	52.2 MHz
POLARIZATION:	Near Vertical
INPUT IMPEDANCE:	50 OHMS Nominal
POWER:	250 W CW
CONNECTOR:	Type - BNC
VSWR:	2.5:1

MECHANICAL

HEIGHT:	180" (4.5m)
WEIGHT:	< 3 lbs. (< 1.36 kg)

INCLUDES:

- 2 x 25' (7.6 m) 16
- 1 x 73' (22.2 m) Wire on Winder
- 1 x 25' (7.6 m) Wire on Winder
- 1 x 50' (15.2 m) Mini Paracord on Winder
- 1 x Throw Bag
- 1 x SKP MIL 2.0
- 1 x Spike Mount
- 1 x 50' (15.2 m) coax/RFI Choke (BNC Connectors)
- 1 x Carrying Bag
- 1 x Oxidation-resistant Tube Stainless Steel Hardware

RELATED ACCESSORIES:

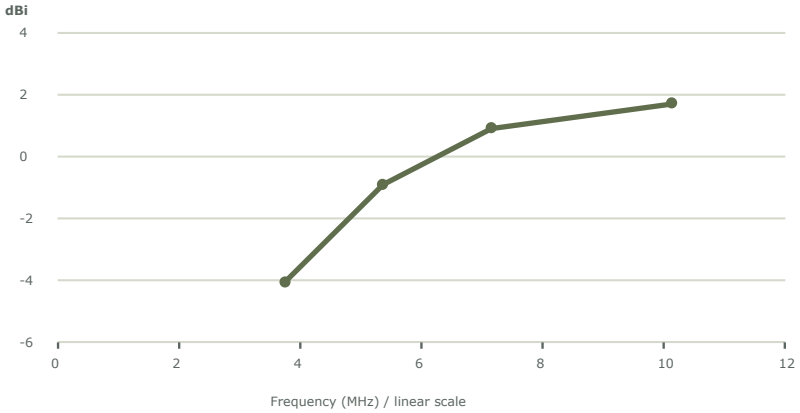
- Porta Mast 15 HD
- 50' (15.2 m) Coax Cable
- D-Pack



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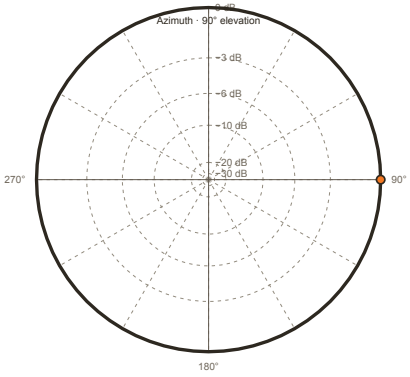
STYLE#
SKP-NVIS

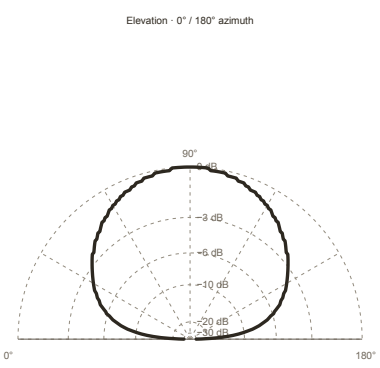
180” (4.5M) HF NVIS ANTENNA | 1.8-54 MHZ



CHA NVIS crossed sloping dipoles at 15 feet · 80m

Principal elevation 90° · principal azimuth 0°0 normalized to modeled peak





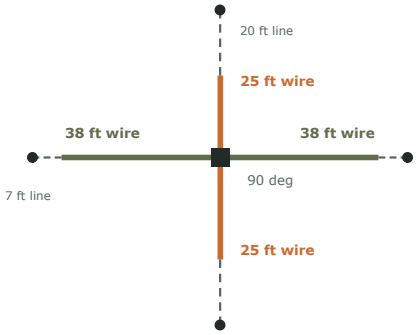
Frequency: 3.750 MHz Peak NEC gain: -4.05 dBi F/S: 0.0 dB Field: Total

GOVERNED NEC-4.2 ANGULAR DATA · normalized relative pattern · −30 to 0 dB

SIMULATION — NORMALIZED PATTERN ONLY · UNCORRELATED

CHAMELEON ANTENNA · ENGINEERING EDUCATION

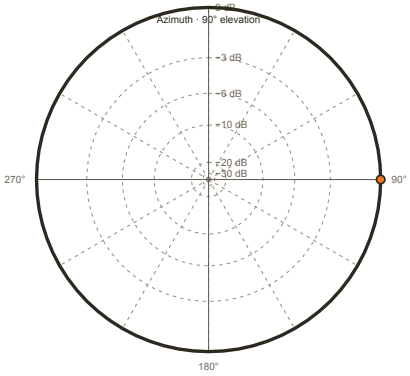
PLAN VIEW

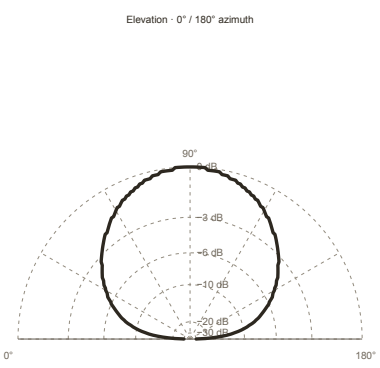


Solid: radiator. Dashed: support line.

CHA NVIS crossed sloping dipoles at 15 feet · 40m

Principal elevation 90° · principal azimuth 0°0 normalized to modeled peak





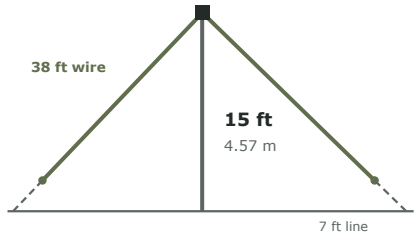
Frequency: 7.150 MHz Peak NEC gain: 0.93 dBi F/S: 0.0 dB Field: Total

GOVERNED NEC-4.2 ANGULAR DATA · normalized relative pattern · −30 to 0 dB

SIMULATION — NORMALIZED PATTERN ONLY · UNCORRELATED

CHAMELEON ANTENNA · ENGINEERING EDUCATION

SIDE VIEW / LONG DIPOLE



Mast or suitable tree support.
Retain the self-guying crossed layout.
Schematic only; not to scale.