

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR HIGH FREQUENCY

NVIS Antenna Near Vertical Incidence Skywave VD-97-00592-1

NSN 5985-00-116-6130

THE VALCOM NVIS ANTENNA IS SPECIFICALLY DESIGNED FOR MILITARY APPLICATIONS IN OPEN GROUND AREAS, REMOTE FROM THE VEHICLE OR ATTACHED TO A STATIONARY VEHICLE BY MEANS OF A VEHICLE MOUNT.

THE ANTENNA IS MADE UP OF EIGHT RIGID ALUMINUM SECTIONS WHICH STACK TOGETHER TO FORM THE MAST AND FEED LINE TO THE ELEMENTS. THE ELEMENTS OF THE ANTENNA CONSISTS OF FOUR WIRES SLOPED TOWARDS THE GROUND WITH INSULATED ENDS EXTENDING OUT TO SERVE AS GUY LINES FOR THE MAST.

DUE TO THE LIGHTWEIGHT, SECTIONAL DESIGN, ASSEMBLY OF THIS ANTENNA IS FAST AND EASY; ABOUT 10 MINUTES FOR TWO PEOPLE. WHEN NOT IN USE, THE ANTENNA CAN BE PACKED AND STORED IN A COMPACT CANVAS CARRYING BAG.

AN EXPANSION KIT IS AVAILABLE FOR USE IN AREAS OF POOR RADIATION. THE KIT HAS SEVEN ADDITIONAL MAST SECTIONS AND ADDITIONAL GUY ROPES. IT ALSO COMES IN A COMPACT CANVAS CARRYING BAG.

FEATURES :

- LIGHTWEIGHT AND EASY TO CARRY
- QUICK AND EASY TO ERECT
- VEHICULAR OR MANPACK USAGE
- RUGGED FIELD-PROVEN DESIGN
- OPTIONAL EXPANSION KIT



QUICK REFERENCE DATA NVIS ANTENNA

ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE	2 - 30 MHz
POWER RATING	400 W
POLARIZATION	HORIZONTAL AND VERTICAL SIMULTANEOUSLY
RADIATION PATTERN, AZIMUTH	OMNIDIRECTIONAL
RADIATION PATTERN, ELEVATION	NEAR VERTICAL INCIDENT SKYWAVE
IMPEDANCE	50 OHMS (NOMINALLY)

MECHANICAL CHARACTERISTICS

BASIC ANTENNA

ASSEMBLED HEIGHT	15 FT (4.6 M)
ASSEMBLED DIMENSIONS	61 FT X 61 FT (18.6 M X 18.6 M)
WEIGHT	15 LBS (6.8 KG)
ERECTION TIME	10 MINUTES, 2 PEOPLE
VOLUME (DISASSEMBLED)	6 IN X 6 IN X 26 IN (15.2 CM X 15.2 CM X 66 CM)
WIND LOAD	59 MPH (95 KM/H, WITHOUT ICE)

WITH EXPANSION KIT

ASSEMBLED HEIGHT	30 FT (9.8 M)
ASSEMBLED DIMENSIONS	88 FT X 88 FT (26.9 M X 26.9 M)
WEIGHT	30 LBS (13.6 KG)
ERECTION TIME	20 MINUTES, 2 PEOPLE
VOLUME (DISASSEMBLED)	6 IN X 12 IN X 26 IN (15.2 CM X 30.4 CM X 66 CM)
WIND LOAD	59 MPH(95 KM/H), WITHOUT ICE

THEORETICAL ELEVATION PLANE PATTERN

