



## THIRD PARTY ANTENNAS

### VALCOM

#### AS-3771 B/U 14 FOOT BROADBAND RX WHIP (LCS)

The AS-3771B/U 14-foot aluminum whip receiving antenna is designed and built to meet the U.S. Navy requirements for shipboard antennas, such as MIL-S-901 Grade A for shock and MIL-STD-167 for vibration. The antenna is used with general HF communications equipment and provides vertically polarized, omni-directional azimuth reception from VLF to 30 MHz. [www.valcom-guelph.com/products/AS-3771\\_BU.html](http://www.valcom-guelph.com/products/AS-3771_BU.html)



AS-3771-B/U



AS-2537C/SR

#### AS-2537C/SR 35 FOOT NARROWBAND TX WHIP (U.S.NAVY)

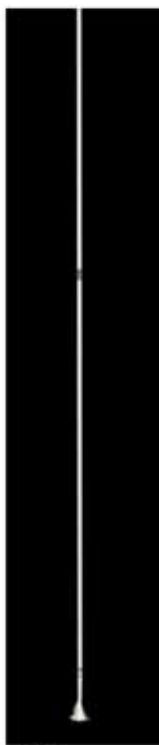
Valcom's AS-2537C/SR 35-foot whip transmitting antenna was designed and built to meet the U.S. Navy requirements for shipboard antennas. The mechanical strength is achieved with a patented process using high strength filament fiberglass and epoxy resin. The base section acts as an insulator as the feed-point is 12" from the bottom. The base section is an integral part of the antenna thus giving maximum strength. Electrical stability is obtained by employing multiple beryllium copper conductors embedded in the epoxy fiberglass. A specially designed bronze ferrule is used to join the two sections together. The antenna is used with general HF communications equipment and provides vertically polarized, omnidirectional azimuth reception from 1.6 to 30 MHz. [www.valcom-guelph.com/products/AS-2537C\\_SR.html](http://www.valcom-guelph.com/products/AS-2537C_SR.html)

#### VBBA2-30 35 FOOT BROADBAND TX WHIP (LCS, TYPE-45)

The Valcom model VBB A2-30 is a 35-foot, broadband HF tactical whip antenna intended for use in high-power electronic counter measures (ECM) and HF transmit systems. The VBB A2-30 exhibits a nominal input impedance of 50 ohms over the HF frequency band of 2 MHz to 30 MHz providing a maximum VSWR of 2:1 and a maximum average power of 3000W, all without the use of an external tuner. Lightning protection is provided by a DC short at the input of the antenna. The antenna is used with HF broadband power combining equipment and provides vertically polarized, omni-directional azimuth transmission from 2 to 30 MHz. [www.valcom-guelph.com/products/VBBA2-30.html](http://www.valcom-guelph.com/products/VBBA2-30.html)



VBBA2-30



4328

### Shakespeare

#### 4328 28 FOOT NARROWBAND TX WHIP (FRC-B)

For HF/SSB communications, the 28-foot Model 4328 is a whip antenna with conductors running full length and no loading coil. It is designed for large vessels requiring the highest HF band performance. The two-piece antenna easily accommodates input up to 1 kilowatt. It is Shakespeare white and has a built-in anodized aluminum flange base for mounting as a self-supporting antenna. The center fittings are chrome-plated brass, and it has a side feed termination band. The antenna is used with general HF communications equipment and provides vertically polarized, omni-directional azimuth reception from 2 to 30 MHz. [www.shakespeare-military.com/milantennashow.asp?product=4328](http://www.shakespeare-military.com/milantennashow.asp?product=4328)



## THIRD PARTY ANTENNAS

### Shakespeare

#### 229-B 35 FOOT NARROWBAND TX WHIP (USCG CUTTERS)

The 35-foot Model 229-B antenna is constructed entirely of corrosion resistant, non-ferrous materials, ideally suited to shipboard and fixed station applications requiring non-magnetic antennas. The top section is made with parallel beryllium copper ribbon, embedded in Shakespeare fiberglass for maximum tip capacitance. The lower half of the antenna employs tubular copper conductors secured in the center of tapered fiberglass with polyurethane foam and terminating in a fiberglass mounting flange. The bottom-fed Model 229-B needs no costly porcelain insulators, and its base protects all electrical connections from exposure to weather. It can be bolted directly to the deck or platform, eliminating vulnerable insulators. The antenna is used with general HF communications equipment and provides vertically polarized, omni-directional azimuth reception from 2 to 30 MHz.

[www.shakespeare-military.com/milantennashow.asp?product=229-b](http://www.shakespeare-military.com/milantennashow.asp?product=229-b)

#### 120-60 32 FOOT NARROWBAND TX WHIP (SPAWAR TSC)

The Model 120-60 Transportable Ground Stake Antenna Kit is a vertically erected ground station antenna developed with the highly versatile Model 120 Antenna System. The Model 120-60 utilizes the eight section AT-1011/U whip, adding a ground stake base assembly, guy rope assembly, and ground plane wires. It comes with a canvas carrying case for safe transport of the antenna kit. The antenna is used with general HF communications equipment and provides vertically polarized, omni-directional azimuth reception from 2 to 30 MHz.

[www.shakespeare-military.com/milantennashow.asp?product=120-60](http://www.shakespeare-military.com/milantennashow.asp?product=120-60)



229-B

### Barker & Williamson

#### BWDS-90N 90 FOOT BROADBAND FOLDED DIPOLE ANTENNA (SPAWAR TSC)

The BWDS series of patented broadband folded dipole antennas gives rear tactical and base units the full HF communications capability they need. A wide variety of missions can be handled with this one antenna. They offer fully automatic, low SWR operation over the entire HF band without need for an antenna tuner/coupler. They are frequency agile and will operate continuous ALE or secure frequency hopping. They will propagate excellent NVIS, medium or long distance.

[www.bwantennas.com/pro/fdipole.pro.htm](http://www.bwantennas.com/pro/fdipole.pro.htm)



120-60



BWDS-90N

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**Thales Communications, Inc.**

[www.thalescomminc.com](http://www.thalescomminc.com) | [naval.maritime@thalescomminc.com](mailto:naval.maritime@thalescomminc.com)

Toll-Free: 1-800-258-4420 | Phone: 240-864-7000