A.R.A.
Antenna Research

# BICONICAL ANTENNAS
# 20 - 1000 MHz
# TRANSMIT AND RECEIVE

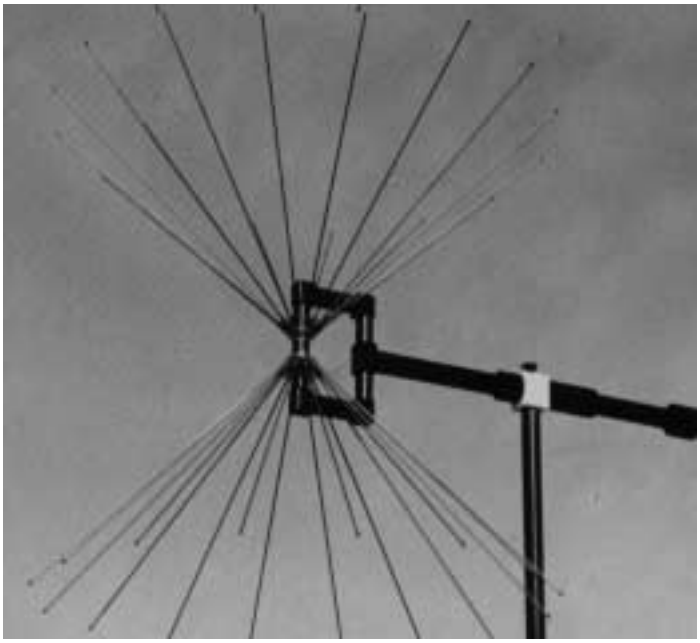
Our **BCD** and **BCH series** of passive, biconical-dipole antennas are an excellent choice for measurements of electric field strengths. Their compact size and broadband characteristics make them ideal for use in shielded rooms and anechoic chambers. The **BCD-235** is suitable for measuring radiated emissions as per FCC, EN/CISPR, SAE, MIL-STD and Tempest requirements. The **BCH series** antennas offer broadband capability for radiated susceptibility testing as per SAE and MIL-STD requirements.

Each biconical contains a broadband balun to match the characteristic impedance of the antenna to an unbalanced 50-ohm output. **BCH series** antennas can handle input power levels up to 1 kW.

The **BCD-235** may be supplied with collapsible elements for ease of transport and storage. The elements and the pedestal are made of aluminum to provide a durable, light-weight, corrosion-resistant antenna. These antennas are designed primarily for indoor use and can be used outdoors in favorable weather. US Patent No: 5, 367, 312.

**BCD-235/B**

The **VBC series** Vertical Biconical antennas are intended for all-weather applications. When used for receive only, it is preferable to include the optional low noise amplifier. The **VBC-210** is offered as a transmit antenna for susceptibility testing. It has significantly better antenna factors than our **BCH-2030** for use below 50 MHz. The **VBC** antennas are well isolated from the base, resulting in a predictable elevation pattern and reduction in common mode interference. The **VBC series** antennas are designed to withstand laminar wind flow velocities in excess of 100 miles per hour. Antenna elements are removable for ease of transport and storage. An optional cross arm mounting adaptor allows the **VBC-210** to be mounted from the center to manually adjust polarization.



**VBC-210/C**