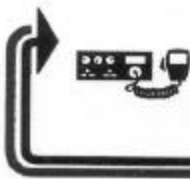


# COMTELCO

## Technical Specification



**ADVANTAGE  
COMMUNICATIONS**

P.O. Box 282  
WATERTOWN, MA 02471  
1-800-294-RADIO

### BS450XL4.5

## 406-512 MHz 4.5dBd Gain

## BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and 4.5dB gain, you can expect years of continuous service.

**Rugged Construction:** The radiating elements are constructed of copper & copper alloy. They are encased in a fiberglass radome for total environmental protection.

**Weatherproof:** The fiberglass radome is ultraviolet inhibited. The heavy wall aluminum mounting sleeve is epoxy coated for superior weather protection.

**Lightweight:** These antennas are lightweight at less than 6 lbs. but are designed to easily withstand winds of over 100 MPH.

**Simple installation:** Using the optional BSMNT2 mounting kit, installation takes only minutes.

### ELECTRICAL SPECIFICATIONS:

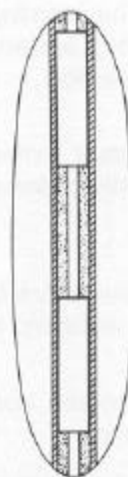
#### FREQUENCY RANGE:

BS450XL4.5-A	406-430MHz
BS450XL4.5-B	430-450MHz
BS450XL4.5-BCD	445-480MHz
BS450XL3-D	470-490MHz
BS450XL3-E	490-512MHz

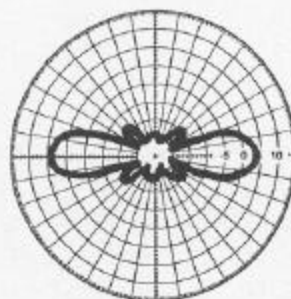
<b>GAIN:</b>	4.5dBd
<b>VSWR:</b>	<1.5:1
<b>BANDWIDTH:</b>	>20 MHz
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERT BEAMWIDTH:</b>	30 degrees

### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	White UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	1.35" dia. heavy wall epoxy coated
<b>TERMINATION:</b>	Female N standard, pigtail optional
<b>LENGTH:</b>	60"
<b>WEIGHT:</b>	6 lbs.
<b>WIND SURVIVAL</b>	100 MPH +



Vertical Pattern



VSWR vs. Frequency

