

# COMTELCO

## Technical Specification

## 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 125 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-C	450-480MHz
BS450XL4.5-D	470-490MHz
BS450XL4.5-E	490-512MHz

<b>GAIN:</b>	4.5dBd
<b>VSWR:</b>	<2.0:1
<b>BANDWIDTH:</b>	>20 MHz
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERT BEAMWIDTH:</b>	30°

#### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1" dia. white UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	1.35" dia. 10" heavy wall epoxy coated
<b>TERMINATION:</b>	Female N standard, pigtail optional
<b>LENGTH:</b>	67"
<b>WEIGHT:</b>	6 lbs.
<b>FLAT PLATE AREA:</b>	.275 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	18.6 lbs.



**Vertical Pattern**

