

## Technical Specification

### 450-512 MHz Unity Gain

## BS450UWB BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and unity gain from 450-512MHz. This antenna will provide years of continuous service.

**Rugged Construction:** The radiating elements are supported internally and constructed of copper alloy. They are then 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 light weight at less than 6 lbs. but are designed to withstand winds in excess of 125 MPH.

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



### ELECTRICAL SPECIFICATIONS:

<b>FREQUENCY:</b>	450-512MHz
<b>GAIN:</b>	Unity
<b>VSWR:</b>	<2.0:1
<b>VERTICAL BEAMWIDTH:</b>	70°
<b>BANDWIDTH:</b>	>60MHz
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms

### MECHANICAL SPECIFICATIONS:

<b>ANTENNA LENGTH:</b>	32" (81cm)
<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	White UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	Heavy wall epoxy coated alum.
<b>SLEEVE LENGTH:</b>	10" (25.4cm)
<b>SLEEVE DIAMETER:</b>	1.35" (41cm)
<b>WEIGHT:</b>	5 lbs. (2.3kg)
<b>FLAT PLATE AREA:</b>	.165 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH (201kph)
<b>LATERAL THRUST:</b>	11.1 lbs. (5kg)

### Vertical Pattern

