

**Technical Specification**  
**380-512 MHz Unity Gain**

**BASE STATION ANTENNA**

**Reliable Performance:** Rated at 250 watts with unity 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 5 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:**

BS380U-A	375-400MHz
BS450U-A	406-430MHz
BS450U-B	430-450MHz
BS450U-BC	445-465MHz
BS450U-C	450-470MHz
BS450U-CD	460-480MHz
BS450U-D	470-490MHz
BS450U-DE	480-500MHz
BS450U-E	490-512MHz

<b>GAIN:</b>	Unity
<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>	75°

**MECHANICAL SPECIFICATIONS:**

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1"(2.5cm) dia. white UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	1.35" (3.4cm) dia. 10" (25.4cm) heavy wall epoxy coated
<b>TERMINATION:</b>	Female N standard, pigtail optional
<b>LENGTH:</b>	36" (91.4cm) at lowest frequency
<b>WEIGHT:</b>	5 lbs. (2.2kg)
<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**

