

**Technical Specification**  
**200-225MHz Unity Gain**

**BSL220U**  
**BASE STATION ANTENNA**

**Reliable Performance:** Rated at 250 watts and unity gain, you can expect years of continuous service from this heavy duty antenna.

**Rugged Construction:** The radiating elements are supported internally and constructed of copper alloy. They are welded and/or soldered to prevent any intermodulation. 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. Full moisture drain system.

**Lightweight:** These antennas are lightweight at less than 10 lbs. but are designed to easily withstand winds of 125 MPH.

**Simple Installation:** Using the optional BSLMNT2 mounting kit, installation takes only minutes.

**ELECTRICAL SPECIFICATIONS:**

<b>ANTENNA TYPE:</b>	<b>FREQUENCY:</b>
BSL220U-A	200-210MHz
BSL220U-B	210-220MHz
BSL220U-C	215-225MHz

BSL220U-XXX                      Specify c/f 200-230MHz

<b>BANDWIDTH:</b>	6MHz <2.0:1 VSWR
<b>VERTICAL BEAMWIDTH:</b>	75°
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms

**MECHANICAL SPECIFICATIONS:**

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1.5" (4cm) dia. UV inhibited fiberglass

**MOUNTING SLEEVE:** 10" (25.4cm) heavy wall epoxy coated

<b>SLEEVE DIAMETER:</b>	1.95" 94.91cm)
<b>ANTENNA LENGTH:</b>	64" (1.62m) Maximum
<b>WEIGHT:</b>	10 lbs. (4.5kg)
<b>FLAT PLATE AREA:</b>	.44 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH (201kph)
<b>LATERAL THRUST:</b>	29.7 lbs. (13.4kg)



**Vertical Pattern**

