

**144-174MHz, 220-225MHz Unity Gain**

**BASE STATION ANTENNA**

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

**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.

**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:**

<b>ANTENNA TYPE:</b>	<b>FREQUENCY:</b>
BS150U-A	144-148MHz
BS150U-B	150-156MHz
BS150U-BC	153-159MHz
BS150U-C	156-162MHz
BS150U-D	162-168MHz
BS150U-E	168-174MHz
BS220U-A	200-210MHz
BS220U-B	210-220MHz
BS220U-C	215-225MHz
<b>BANDWIDTH:</b>	6MHz < 1.5:1 VSWR
<b>VERTICAL BEAMWIDTH:</b>	75 degrees
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms

**MECHANICAL SPECIFICATIONS:**

<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	1" dia. white UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	10" Heavy wall epoxy coated
<b>SLEEVE DIAMETER:</b>	1.35"
<b>ANTENNA LENGTH:</b>	64" Maximum
<b>WEIGHT:</b>	<6 lbs.
<b>FLAT PLATE AREA:</b>	.29 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	19.8 lbs.



**Vertical Pattern**

