

Technical Specification

144-174MHz, 200-225MHz 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:

ANTENNA TYPE:	FREQUENCY:
BS150U-A	144-150MHz
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
BANDWIDTH:	6MHz <1.5:1 VSWR
VERTICAL BEAMWIDTH:	75°
POWER RATING:	250 watts
IMPEDANCE:	50 ohms

MECHANICAL SPECIFICATIONS:

RADIATOR:	Internal copper alloy elements
RADOME:	1" (2.54cm) dia. white UV inhibited fiberglass
MOUNTING SLEEVE:	10" (25.4cm) Heavy wall epoxy coated
SLEEVE DIAMETER:	1.35" (3.4cm)
ANTENNA LENGTH:	64" (1.62cm) Maximum
WEIGHT:	<6 lbs. (15cm)
FLAT PLATE AREA:	.29 ft ²
WIND RATING:	125 MPH (201 kph)
ATERAL THRUST:	19.8 lbs. (8.9kg)



Vertical Pattern

