

Technical Specification
144-174MHz, 200-225MHz Unity Gain

BS220U
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



Electrical Specifications

VSWR:	6 MHz <2.0:1
Power Rating:	250 watts
Impedance:	50 ohms
Vert. Beamwidth:	75 °

Mechanical Specifications

Radiator:	Internal Copper alloy elements
Radome:	1" dia. White UV inhibited fiberglass. (25.4mm)
Mounting Sleeve:	10" heavy wall epoxy coated (254mm)
Sleeve Diameter:	1.35" (34.29mm)
Termination:	Female "N" standard, Pigtail optional
Antenna Length	64" Maximum (1625.6mm)
Weight:	6lbs (2.7kg)
Flat Plate Area:	.29ft ²
Wind Rating:	125 MPH (55.88 mps)
Lateral Thrust:	19.8 lbs (8.98kg)

Vertical Pattern

