

**Technical Specification**  
**144-174 MHz 3dBd Gain**

**BS150XL3**  
**BASE STATION ANTENNA**

**Reliable Performance:** Rated at 250 watts and 3 dB 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 8 lbs. but are designed to easily withstand winds of over 100 MPH.

**Simple installation:** Using the optional BSMNT2 mounting kit, installation takes only minutes.



**ELECTRICAL SPECIFICATIONS**

Part No.	Frequency
BS150XL3-A	144-150MHz
BS150XL3-B	150-156MHz
BS150XL3-BC	153-159MHz
BS150XL3-C	156-162MHz
BS150XL3-D	162-168MHz
BS150XL3-E	168-174MHz

Electrical Specifications	
Gain:	3dBd
VSWR:	6 MHz <2.0:1
Power Rating:	250 watts
Impedance:	50 ohms
Vert. Beamwidth:	40°

Mechanical Specifications	
Radiator:	Internal Copper alloy elements
Radome:	1" dia. White UV inhibited fiberglass. (2.5cm)
Mounting Sleeve:	10" heavy wall epoxy coated (25.4mm)
Sleeve Diameter:	1.35" (3.5cm)
Termination:	Female "N" standard, Pigtail optional
Antenna Length	98" Maximum (248cm)
Weight:	6lbs (2.7kg)
Flat Plate Area:	.44ft <sup>2</sup>
Wind Rating:	125 MPH (55.88mps)
Lateral Thrust:	29.7lbs (13.kg)

**Vertical Pattern**

