

Technical Specification

406-512 MHz 4.5dBd Gain

BS450XL4.5

BASE STATION ANTENNA

Reliable Performance: Rated at 250 watts and 4.5dB gain, you can expect years of continuous service.

Rugged Construction: The radiating elements are constructed of copper & copper alloy. They are 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:

FREQUENCY RANGE:

BS450XL4.5-A	406-430MHz
BS450XL4.5-B	430-450MHz
BS450XL4.5-C	450-480MHz
BS450XL4.5-D	470-490MHz
BS450XL4.5-E	490-512MHz

GAIN: 4.5dBd

VSWR: <2.0:1

BANDWIDTH: >20 MHz

POWER RATING: 250 watts

IMPEDANCE: 50 ohms

VERT BEAMWIDTH: 30°

MECHANICAL SPECIFICATIONS:

RADIATOR: Internal copper alloy elements

RADOME: 1" (2.54cm) dia. white UV inhibited fiberglass

MOUNTING SLEEVE: 1.35" (3.4 cm) dia. 10" (25.4cm) heavy wall epoxy coated

TERMINATION: Female N standard, pigtail optional

LENGTH: 67" (170cm)

WEIGHT: 6 lbs. (2.9kg)

FLAT PLATE AREA: .275 ft²

WIND RATING: 125 MPH (201 kph)

LATERAL THRUST: 18.6 lbs. (8.4kg)



Vertical Pattern

