

COMTELCO

Technical Specification

BS450XL4.5

406-512 MHz 4.5dBd Gain

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 degrees

MECHANICAL SPECIFICATIONS:

RADIATOR:	Internal copper alloy elements
RADOME:	1" dia. white UV inhibited fiberglass
MOUNTING SLEEVE:	1.35" dia. 10" heavy wall epoxy coated
TERMINATION:	Female N standard, pigtail optional
LENGTH:	60"
WEIGHT:	6 lbs.
FLAT PLATE AREA:	.275 ft ²
WIND RATING:	125 MPH
LATERAL THRUST:	18.6 lbs.



Vertical Pattern

