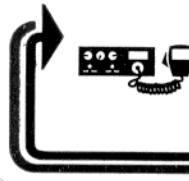


COMTELCO

Technical Specification



**ADVANTAGE
COMMUNICATIONS**

P.O. Box 282
WATERTOWN, MA 02471
1-800-294-RADIO

BS450U

406-512 MHz Unity Gain

BASE STATION ANTENNA

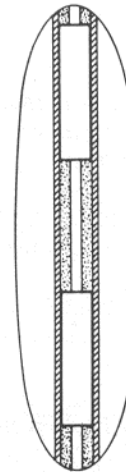
Reliable Performance: Rated at 250 watts and Unity gain, you can expect years of continuous service.

Rugged Construction: The radiating elements are constructed of copper alloy and are encased in a fiberglass radome for protection from moisture. The elements are internally supported to provide structural integrity.

Weatherproof: The fiberglass radome is ultraviolet inhibited and the heavy wall aluminum mounting sleeve is epoxy coated for superior weather protection.

Lightweight: These antennas are lightweight at less than 3 lbs. but are designed to easily withstand winds of over 100 MPH.

Simple Installation: Using the optional BSMNT2 mounting kit, installation time can be cut to minutes.



ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE:

| | |
|----------|------------|
| BS450U-A | 406-430MHz |
| BS450U-B | 430-450MHz |
| BS450U-C | 450-470MHz |
| BS450U-D | 470-490MHz |
| BS450U-E | 490-512MHz |

GAIN:

Unity

VERTICAL BEAMWIDTH: 75 degrees

BANDWIDTH: 20 MHz

IMPEDANCE: 50 ohms

POWER RATING: 250 watts

VSWR: <1.5:1

MECHANICAL SPECIFICATIONS:

RADIATOR: White UV inhibited fiberglass radome
sealed internal copper elements

TERMINATION: Type N female connector

MOUNTING SLEEVE: Heavy wall epoxy coated aluminum

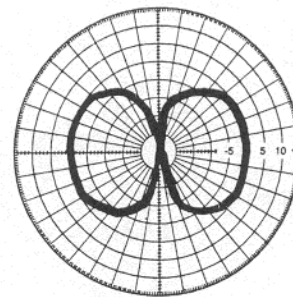
SLEEVE DIAMETER: 1.35"

ANTENNA LENGTH: 36" Maximum

ANTENNA WEIGHT: 3 lbs.

WIND SURVIVAL: 100 mph

Vertical Pattern



VSWR vs. Frequency

