

# COMTELCO

## Technical Specification

BS150U

144-174 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 4 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:

BS150U-A	144-148MHz
BS150U-B	150-156MHz
BS150U-C	156-162MHz
BS150U-D	162-168MHz
BS150U-E	168-174MHz

#### GAIN:

Unity

**VERTICAL BEAMWIDTH:** 75 degrees

**BANDWIDTH:** 6 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

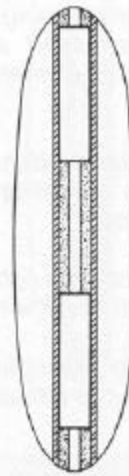
**MOUNTING SLEEVE:** Heavy wall epoxy coated aluminum

**SLEEVE DIAMETER:** 1.35"

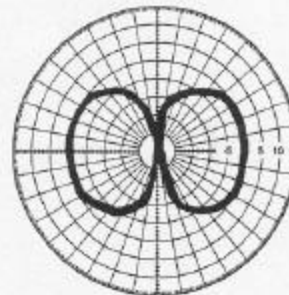
**ANTENNA LENGTH:** 64" Maximum

**ANTENNA WEIGHT:** 4 lbs.

**WIND SURVIVAL:** 100 mph



Vertical Pattern



VSWR vs. Frequency

