

# COMTELCO

## Technical Specification

## BS800XL7

### 806-970MHz, 6.5dBd, 8.5dBi Gain

### BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts, you can expect years of continuous service from these heavy duty antennas.

**Rugged Construction:** The radiating elements are supported internally and constructed of copper alloy. 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 10 lbs. but are designed to easily withstand winds of over 125 MPH.

**Simple Installation:** Using the optional BSLMNT2 mounting kit, installation takes only minutes.

#### ELECTRICAL SPECIFICATIONS:

##### FREQUENCY:

BS800XL-A	806-866MHz
BS800XL-C	824-896MHz
BS800XL-E	890-970MHz

**GAIN:** 6.5dBd

**VERTICAL BEAMWIDTH** 15°

**BANDWIDTH:** 70MHz@ <2.0:1

**POWER RATING:** 250 watts

**IMPEDANCE:** 50 ohms

#### MECHANICAL SPECIFICATIONS:

**ANTENNA LENGTH:** 64"

**WEIGHT:** 9 lbs.

**RADIATOR:** Internal copper alloy elements

**RADOME:** 1.5" white UV inhibited fiberglass

**MOUNTING SLEEVE:** Heavy wall epoxy coated

**SLEEVE DIMENSIONS:** 1.95" X 10"

**FLAT PLATE AREA:** .44 ft<sup>2</sup>

**WIND SURVIVAL:** 125 MPH

**LATERAL THRUST:** 29.7 lbs.



Vertical Pattern

