

# COMTELCO

## Technical Specification

## BS800XL7

### 806-970MHz, 6.5dBd Gain

### BASE STATION ANTENNA

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

**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 8 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:

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

<b>GAIN:</b>	6.5dBd
<b>VERTICAL BEAMWIDTH:</b>	15°
<b>BANDWIDTH:</b>	70MHz @ <2.0:1
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms

#### MECHANICAL SPECIFICATIONS:

<b>ANTENNA LENGTH:</b>	64"
<b>WEIGHT:</b>	8 lbs.
<b>RADIATOR:</b>	Internal copper alloy elements
<b>RADOME:</b>	White UV inhibited fiberglass
<b>MOUNTING SLEEVE:</b>	Heavy wall epoxy coated
<b>SLEEVE DIMENSIONS:</b>	1.35" X 10"
<b>FLAT PLATE AREA:</b>	.29 ft <sup>2</sup>
<b>WIND SURVIVAL:</b>	125 MPH
<b>LATERAL THRUST:</b>	19.8 lbs.



Vertical Pattern

