

# COMTELCO

## Technical Specification

## BSL800XL7

### 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:

|            |            |
|------------|------------|
| BSL800XL-A | 806-866MHz |
| BSL800XL-C | 824-896MHz |
| BSL800XL-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>            | 9 lbs.                             |
| <b>RADIATOR:</b>          | Internal copper alloy elements     |
| <b>RADOME:</b>            | 1.5" white UV inhibited fiberglass |
| <b>MOUNTING SLEEVE:</b>   | Heavy wall epoxy coated            |
| <b>SLEEVE DIMENSIONS:</b> | 1.95" X 10"                        |
| <b>FLAT PLATE AREA:</b>   | .44 ft <sup>2</sup>                |
| <b>WIND SURVIVAL:</b>     | 125 MPH                            |
| <b>LATERAL THRUST:</b>    | 29.7 lbs.                          |



Vertical Pattern

