

# COMTELCO

## Technical Specification

## BS1350XL5WB

### 1200-1550MHz 4.5dBd

### 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 5 lbs. but are designed to easily withstand winds of over 100 MPH.

**Simple Installation:** Using the optional BSMNT1 mounting kit, installation takes only minutes.

#### ELECTRICAL SPECIFICATIONS:

|                            |               |
|----------------------------|---------------|
| <b>FREQUENCY:</b>          | 1200-1550MHz  |
| <b>GAIN:</b>               | 4.5dBd        |
| <b>VERTICAL BEAMWIDTH:</b> | 35°           |
| <b>BANDWIDTH:</b>          | 30MHz@ <1.5:1 |
| <b>POWER RATING:</b>       | 250 watts     |
| <b>IMPEDANCE:</b>          | 50 ohms       |
| <b>VSWR:</b>               | <2.0:1        |

#### MECHANICAL SPECIFICATIONS:

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>ANTENNA LENGTH:</b>  | 40"                                 |
| <b>WEIGHT:</b>          | 4 lbs.                              |
| <b>RADIATOR:</b>        | Internal copper alloy elements      |
| <b>RADOME:</b>          | White UV inhibited fiberglass       |
| <b>MOUNTING SLEEVE:</b> | 5" Heavy wall epoxy coated aluminum |
| <b>SLEEVE DIAMETER:</b> | 1.35"                               |
| <b>FLAT PLATE AREA:</b> | .275 ft <sup>2</sup>                |
| <b>WIND RATING:</b>     | 125 MPH                             |
| <b>LATERAL THRUST:</b>  | 18.6 lbs.                           |



**Vertical Pattern**

