

# COMTELCO

## Technical Specification

BSAX2400-13-190

### 2.4-2.5GHz 13dBi Gain 190° Sector

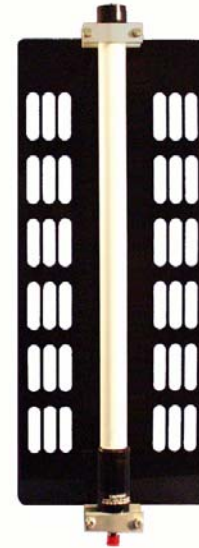
### BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and 13dBi gain, you can expect years of continuous service. This antenna provides 190° coverage.

**Rugged Construction:** The radiating elements are constructed of copper & copper alloy. They are encased in a radome for total environmental protection. The assembly is designed to withstand winds of over 125 MPH.

**Weatherproof:** The ABS radome is ultraviolet inhibited. The reflector assembly is epoxy powder coated aluminum for superior weather protection.

**Installation:** All hardware for installation on an existing 2½" diameter mast or tower leg is supplied. The supplied mount kit consists of downtilt adjustable heavy duty aluminum V block and stainless steel V bolts.



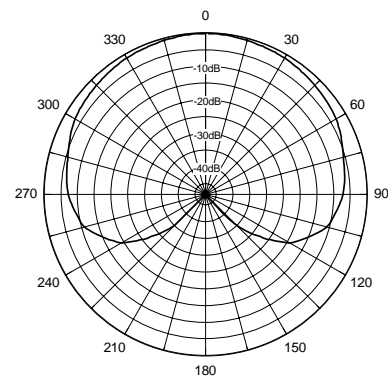
#### ELECTRICAL SPECIFICATIONS:

**FREQUENCY:** 2.4 – 2.5 GHz  
**GAIN:** 13dBi  
**VSWR:** <2:1  
**BANDWIDTH:** >100 MHz  
**FRONT TO BACK:** 32 dB  
**POWER RATING:** 250 watts  
**IMPEDANCE:** 50 ohms  
**VERT BEAMWIDTH:** 20°  
**HORIZ BEAMWIDTH:** 190°

#### MECHANICAL SPECIFICATIONS:

**RADIATOR:** Internal copper alloy elements  
**REFLECTOR ASSY:** Powder coated Aluminum 25" H x 10" W  
**RADOME:** White UV inhibited ABS  
**TERMINATION:** Female N  
**HEIGHT:** 25"  
**WIDTH:** 10"  
**WEIGHT:** 6 lbs.  
**FLAT PLATE AREA:** 1.32 ft<sup>2</sup>  
**WIND RATING:** 125 MPH  
**LATERAL THRUST:** 89 lbs.  
**MOUNTING:** Stainless V Bolts, Aluminum V Block  
2 ½" Dia. Max.

#### Horizontal Pattern



#### Vertical Pattern

