

# COMTELCO

## Technical Specification

BSA2400-14-190

### 2.4-2.5 GHz 14dBi Gain 190° Sector

### BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and 14dBi gain, you can expect years of continuous service. This antenna provides 190° coverage at full gain.

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

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

**Installation:** All hardware for installation on an existing 2 ½" diameter mast or tower leg is supplied. The supplied mount kit consists of heavy duty galvanized steel assembly that is downtilt adjustable from 0°-5°.



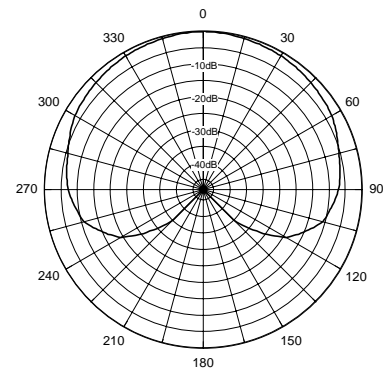
#### ELECTRICAL SPECIFICATIONS:

<b>FREQUENCY:</b>	2.4 - 2.5 GHz
<b>GAIN:</b>	14dBi
<b>VSWR:</b>	<2:1
<b>BANDWIDTH:</b>	>100 MHz
<b>FRONT TO BACK:</b>	24 dB
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERT BEAMWIDTH:</b>	15°
<b>HORIZ BEAMWIDTH:</b>	190°

#### MECHANICAL SPECIFICATIONS:

<b>RADIATOR:</b>	Internal copper alloy elements
<b>REFLECTOR ASSY:</b>	Powder coated aluminum 30" H x 9" W
<b>RADOME:</b>	White UV inhibited fiberglass
<b>TERMINATION:</b>	Female N
<b>LENGTH:</b>	30"
<b>WIDTH:</b>	9"
<b>WEIGHT:</b>	10.5 lbs.
<b>FLAT PLATE AREA:</b>	1.5 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	101 lbs.
<b>MOUNTING:</b>	Heavy duty galvanized steel

Horizontal Pattern



Vertical Pattern

