

# COMTELCO

## Technical Specification

BSAL5800-15-60

5.725-5.850 GHz 15dBi Gain 60° Sector

BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and 15dBi gain, you can expect years of continuous service. This antenna provides 60° coverage at full gain.

**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:

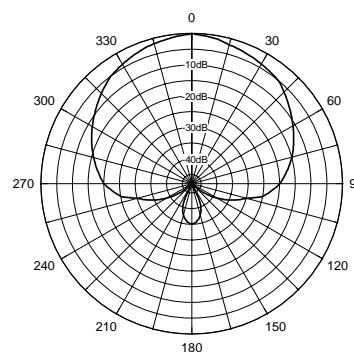
**FREQUENCY:** 5.725 – 5.850 GHz  
**GAIN:** 15dBi  
**VSWR:** <2:1  
**BANDWIDTH:** >100 MHz  
**FRONT TO BACK:** 24 dB  
**POWER RATING:** 250 watts  
**IMPEDANCE:** 50 ohms  
**VERT BEAMWIDTH:** 15°  
**HORIZ BEAMWIDTH:** 60°

### 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:** 3 lbs.  
**FLAT PLATE AREA:** .62 ft<sup>2</sup>  
**WIND RATING:** 125 MPH  
**LATERAL THRUST:** 69 lbs.  
**MOUNTING:** Stainless V Bolts, Aluminum V Block  
2 ½" Dia. Max.



**Horizontal Pattern**



**Vertical Pattern**

