

**Technical Specification**

**1850-1990MHz, 3dBd / 5dBi Gain**

**BASE STATION ANTENNA**

**Reliable Performance:** Rated at 100 watts, you can expect years of continuous service.

**Construction:** The radiating elements are collinear stacked and phased copper alloy tubes. They are encased in an ABS radome for total environmental protection.

**Weatherproof:** The ABS radome is ultraviolet inhibited. The mounting sleeve is ABS plastic with an extruded drain system to allow for any condensation dissipation.

**Lightweight:** These antennas are lightweight at less than 2 lbs. but are designed to easily withstand winds of over 125 MPH.

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

**Termination:** This antenna is available with either an "N" female or "N" male termination. Optional reverse polarity connectors for female "N" are available as special order.



**ELECTRICAL SPECIFICATIONS:**

**FREQUENCY:** 1850-1990MHz  
**GAIN:** 3dBd / 5dBi  
**VERTICAL BEAMWIDTH:** 35°  
**BANDWIDTH:** 140MHz@ <2:1  
**POWER RATING:** 100 watts  
**IMPEDANCE:** 50 ohms

**MECHANICAL SPECIFICATIONS:**

**ANTENNA LENGTH:** 20" (50.8cm)  
**WEIGHT:** 2 lbs (5cm)  
**RADIATOR:** Copper alloy elements  
**RADOME:** White UV inhibited ABS  
**MOUNTING SLEEVE:** White UV inhibited ABS  
**SLEEVE DIAMETER:** 1.35" (3.4cm)  
**FLAT PLATE AREA:** .07 ft<sup>2</sup>  
**WIND RATING:** 125 MPH (201 kph)  
**WIND LOAD:** 4.8 lbs (2kg)  
**TERMINATION:** BNF1905S "N" FEMALE  
 BNM1905S "N" MALE  
 BNT1905S 12" (30cm) PIGTAIL

**Vertical Pattern**

