

# PCS 1900 Planar Antennas (1850 – 1990 MHz) Vertical Linear Polarized Panel For Base Station Applications SPA 1900/65/17/2/V

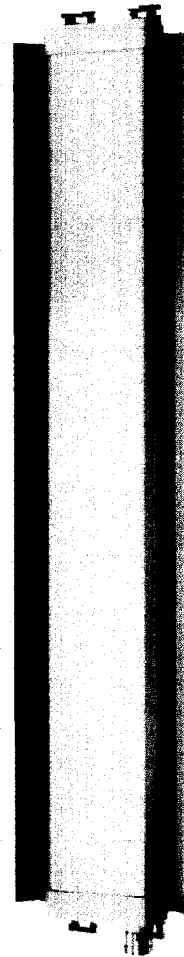
## Electrical properties

Frequency range	1850 – 1990 MHz
Impedance	50 Ω
VSWR	1.3:1
Polarization	linear, vertical
Gain	17.0 dBi
3 dB beamwidth horizontal	65°
3 dB beamwidth vertical	7°
Standard downtilt	-2°
Front-to-back ratio	25 dB
Permitted power on entrance	250 W (CW) at 25°C

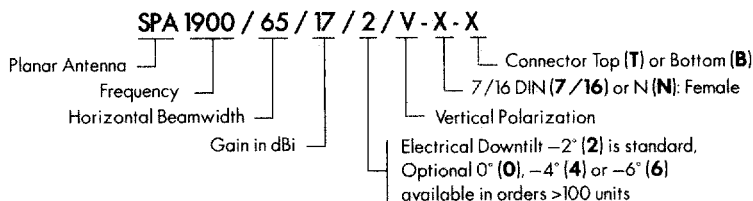
## Mechanical properties

Antenna dimensions	50.8" x 6.7" x 1.5" (1290 x 170 x 38 mm)
Weight	8.38 lbs. (3.8 kg)
Housing material	Aluminum painted grey
Radome material	ASA Plastic
Standard radome color*	RAL 9002 (grey-white)
Operating temperature range	-40°C to +80°C
Storage temperature range	-40°C to +80°C
Windload (frontal)	682 N @ 125 mph
Wind survivability (wind tunnel tested)	125 mph

\* Antennas may be painted with Imron 5000 or equivalent 2-part enamel on a polyurethane-acrylic base. Do not use metallic-based paints.



## Model number legend



## Mounting

Standard Wall Mount and Pole Mount hardware supplied.  
Other mounting options available.