

PCS 1900 Planar Antennas (1850 – 1990 MHz) Vertical Linear Polarized Panel For Base Station Applications SPA 1900/85/17/2/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	85°
3 dB beamwidth vertical	5°
Standard downtilt	- 2°
Front-to-back ratio	25 dB
Permitted power on entrance	250 W (CW) at 25°C

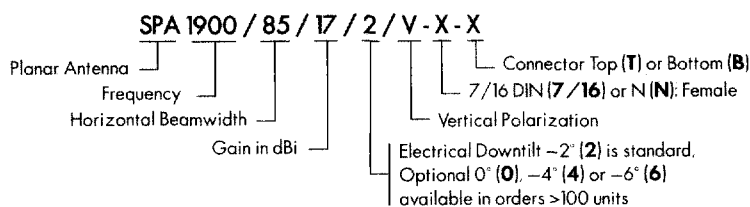
Mechanical properties

Antenna dimensions	7.48" x 4.6" x 1.5" (1900 x 116 x 38 mm)
Weight	9.5 lbs. (4.3 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)	685 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



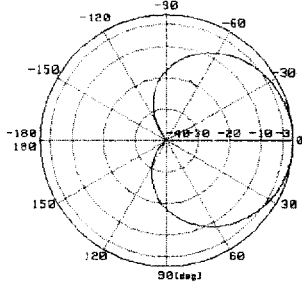
Mounting

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

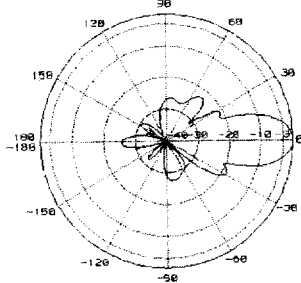
PCS 1900 Planar Antennas (1850 – 1990 MHz) Dual Slant Polarization Radiation Patterns

SPA 1900/65/15/0/DS

horizontal

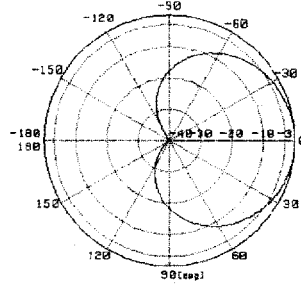


vertical

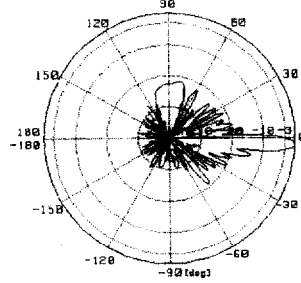


SPA 1900/65/19/2/DS

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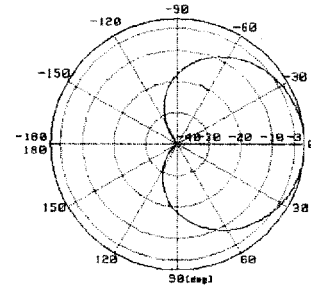


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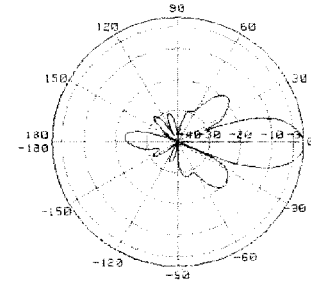


SPA 1900/85/13/0/DS

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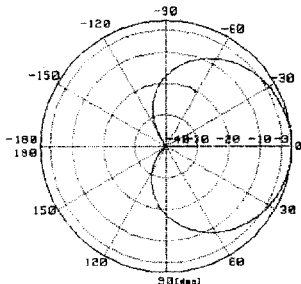


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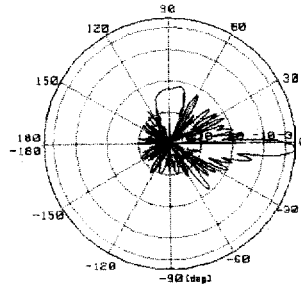


SPA 1900/85/17/2/DS

horizontal



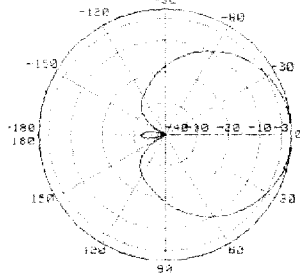
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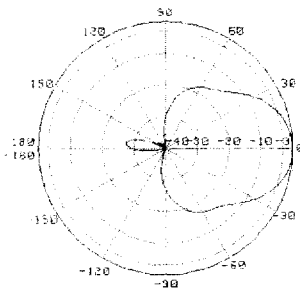
PCS 1900 Planar Antennas (1850 – 1990 MHz) Vertical Polarization Radiation Patterns

SPA 1900/65/11/0/V

horizontal

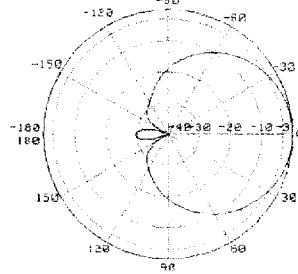


vertical

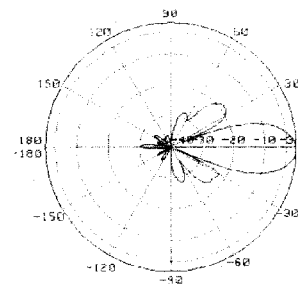


SPA 1900/65/14/0/V

horizontal

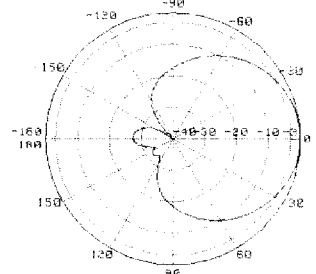


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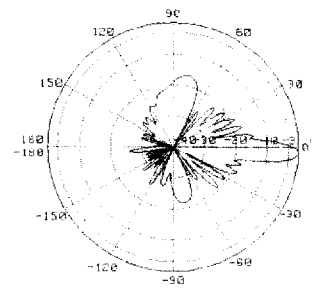


SPA 1900/65/17/2/V

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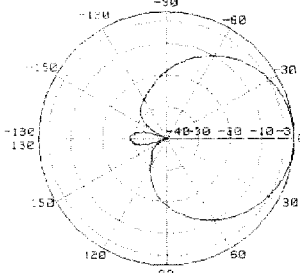


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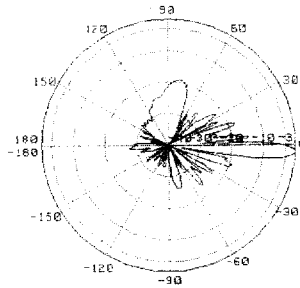


SPA 1900/65/18/2/V

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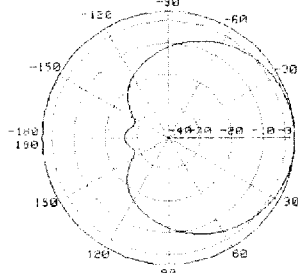


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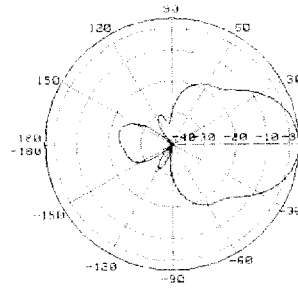


SPA 1900/85/10/0/V

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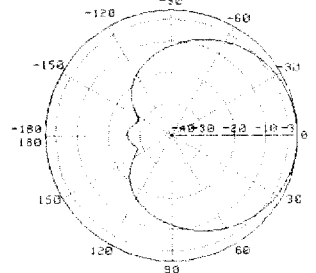


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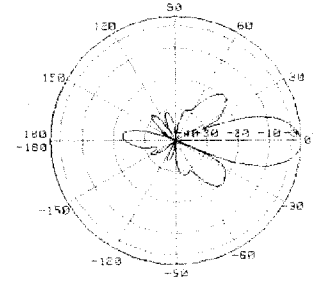


SPA 1900/85/13/0/V

horizontal



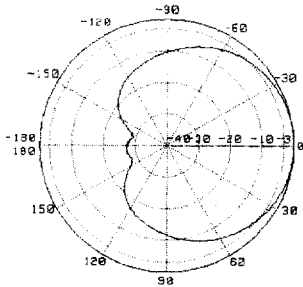
vertical



PCS 1900 Planar Antennas (1850 – 1990 MHz) Vertical Polarization Radiation Patterns

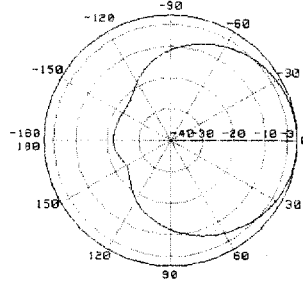
SPA 1900/85/16/2/V

horizontal

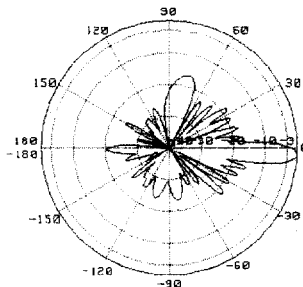


SPA 1900/85/17/X/V

horizontal



vertical



vertical

