



PSTG Series Antennas
for single & dual band



PSTG-915 Series
for ISM 915

1/4 wave Device Antennas

Dual Band for GSM/CDMA/EV-DO
Single Band for ISM 915 & RFID

- Sleek profile with small SMA connectors
- Compact helical design with high performance
- Perfect for wireless handsets, data modems, and RFID scanners
- Tough polyurethane radome resists impact damage

These quarterwave antennas offer high performance with the minimum of size. The helical design of the antennas results in a compact length that is only 1.75" (45 mm). The sleek profile pairs well with a wide variety of devices.

Different single and dual band combinations are offered, providing maximum flexibility. Typical popular dual band combinations include US AMPS Cellular with PCS (GPRS), or International GSM with DCS-1800. Other cross continent combinations are available, please consult factory for details. Single band models are offered for US AMPS Cellular, or 902-928 ISM/Mobitex (also usable for EU 900 Band GSM).

The antennas are available with an SMA Male connector. The connector is lightly knurled for easy tightening.

The antenna radomes are made from polyurethane, which provided a protective, waterproof covering. It is a solid material, which provides some flexibility. This makes these antennas suitable for devices such as access points, or hand-held portable units.

As 1/4 wave antennas, the ground plane in the device influences the performance of these antennas. The specific

radiation characteristics depends on the total configuration of the unit when interfaced with the antenna. How the wireless device is mounted or handled can also influence the radiation characteristics.

Model Numbers - Dual Band Antennas

| Model | Frequency Band |
|--------------------|-------------------------------|
| PSTG0-900/1900HKS | 824-894 MHz & 1850-1990 MHz |
| PSTG0-925/1800HKS | 890-960 MHz & 1710-1880 MHz |
| PSTG0-925/1900HKS | 890-960 MHz & 1850-1990 MHz |
| PSTG0-1950/2140HKS | 1920-1980 MHz & 2110-2170 MHz |

Model Numbers - Single Band Antennas

| Model | Frequency Band |
|--------------|---------------------------|
| PSTG0-900HKS | 824-894 MHz |
| PSTG0-925HKS | 870-960 MHz |
| PSTG-915S | 902-928 MHz |
| PSTG-915RS | 902-928 MHz & Rev Pol SMA |

Frequency Guide

| | |
|-------------|-------------------------------------|
| -900 Models | For US Cellular (Analog), 850 GSM |
| -925 Models | For EU Cellular, ISM, Mobitex & RAM |
| /1800 | For EU GSM/DCS-1800 |
| /1900 | For US GSM/EV-DO |
| -1950/2140 | For 3G and UMTS applications |

Specifications

| | | | |
|--------------------------|----------------------|-------------------------|--|
| Frequency: | See above | Connector: | SMA Male (plug) PSTG-915RS - Rev Polarity SMA |
| Gain: | 0 dBi max | Whip Length: | |
| Bandwidth@3:1SWR: | See freq range above | PSTG0 Series | 1.75 inches (45 mm) |
| Impedance: | 50 Ohm nominal | PSTG-915 Series | 3.2 inches (81 mm) |
| Maximum Power: | 5 Watts | Radome Material: | Polyurethane, with black matt finish |
| Operating Temp: | -40°C to +85°C | | |