



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

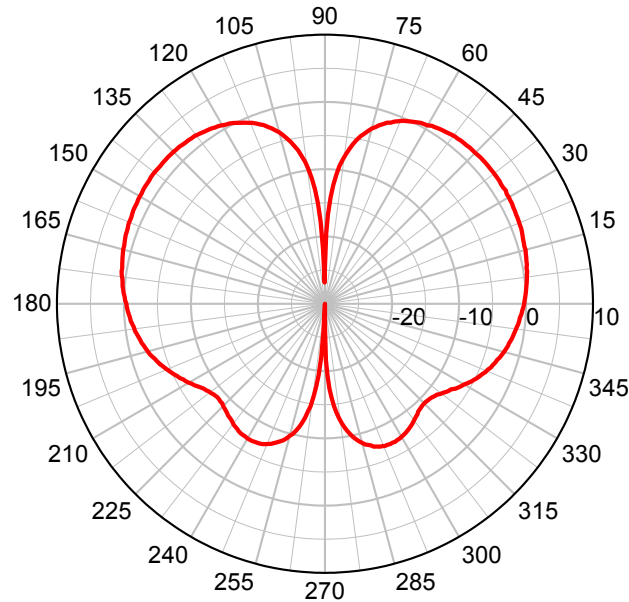
<b>Frequency:</b>	See above	<b>Connector:</b>	SMA Male (plug)
<b>Gain:</b>	0 dBi max		PSTG-915RS - Rev Polarity SMA
<b>Bandwidth@3:1SWR:</b>	See freq range above	<b>Whip Length:</b>	
<b>Impedance:</b>	50 Ohm nominal	PSTG0 Series	1.75 inches (45 mm)
<b>Maximum Power:</b>	5 Watts	PSTG-915 Series	3.2 inches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

## PSTG-915S Antenna

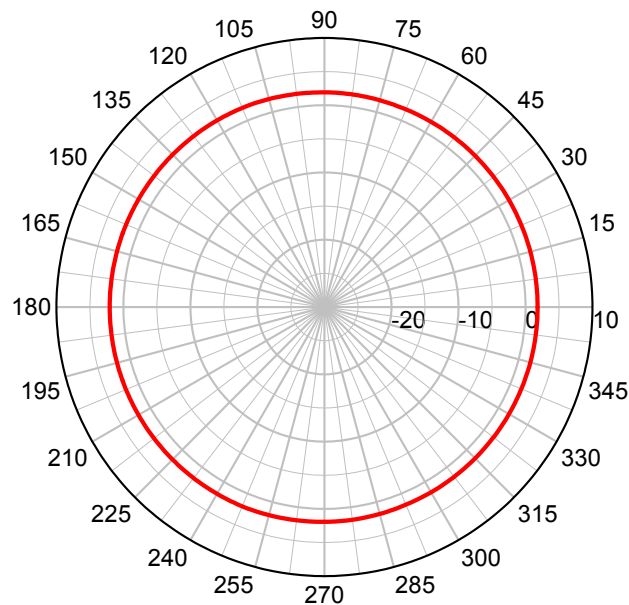
Single Band Quarterwave Rubber Duck w/SMA

ISM 900, RFID, Remote Data Capture (902-928 MHz)

PSTG- 915 Series – Elevation Plot



PSTG-915 Series – Azimuth Plot



Note: Azimuth Plot is at an elevation angle of 143° for the coordinate system shown above.