



PSTG Series Antennas for single & dual band



PSTG0-925SE Series Antennas



PSTG-915 Series for ISM 915

## Device Antennas Quarterwave, 824-2170 MHz

- Sleek profile with small SMA connectors
- Compact design with high performance
- Models for GSM/CDMA modems including GPRS/EDGE/3G/1xRTT/EVDO/UMTS
- Tough polyurethane radome resists impact damage

These quarterwave antennas offer high performance with the minimum of size. 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 Cellular GSM/CDMA and European GSM. Other cross continent combinations are available, please consult your sales representative for details. Single band models are offered for US 850 band Cellular, or 902-928 ISM, or EU 925 Band GSM.

The antennas are available with an SMA Male connector or Reverse Polarity SMA (see table). 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	Connector
PSTG0-900HKS	824-894 MHz	SMA Male
PSTG0-925HKS	870-960 MHz	SMA Male
PSTG-915S	902-928 MHz	SMA Male
PSTG-915RS	902-928 MHz	Rev Pol SMA
PSTG0-925SE*	902-928 MHz	SMA Male

### Frequency Guide

-900 Models	For US Cellular, 850 GSM
-925 Models	For EU Cellular & ISM 915
/1800	For EU GSM/DCS-1800
/1900	For US GSM/EV-DO
-1950/2140	For select UMTS applications

\*MOQ (Min Order Quantity) 250 Units

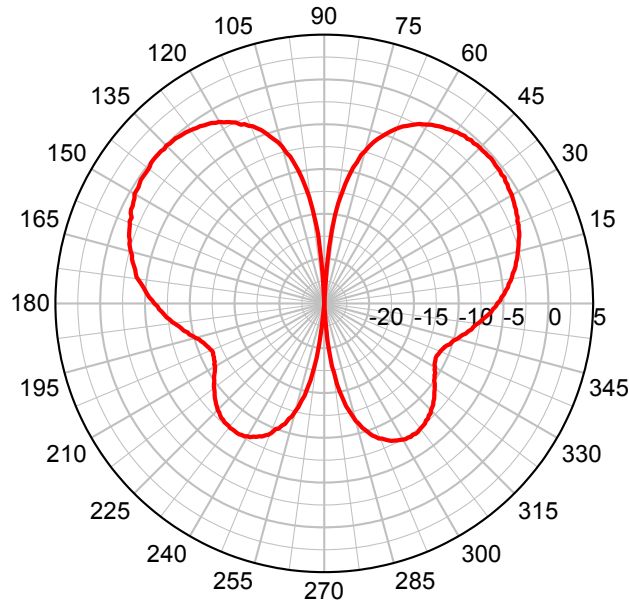
### Specifications

<b>Frequency:</b>	See above	<b>Connector:</b>	SMA Male (Plug) except PSTG-915RS - Rev Polarity SMA
<b>Gain:</b>	0 dBi max	<b>Whip Length:</b>	
<b>VSWR:</b>	2:1 max over range	PSTG0 Series	1.75 inches (45 mm)
<b>Impedance:</b>	50 Ohm nominal	PSTG-915 Series	3.2 inches (81 mm)
<b>Maximum Power:</b>	5 Watts	PSTG0-925SE	2.875 inches (73 mm)
<b>Operating Temp:</b>	-40°C to +85°C	<b>Radome Material:</b>	Polyurethane; black matt finish

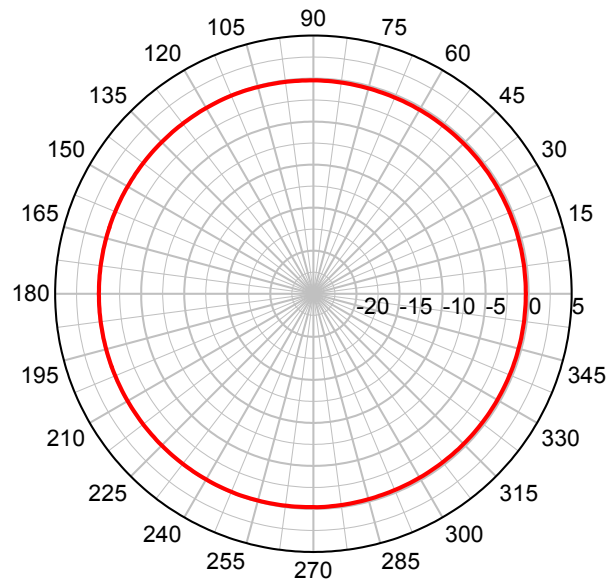
## PSTGO-900HKS Antenna

Single Band Rubber Duck “Green Dot” w/SMA  
Cellular (824-895 MHz)

PSTGO 900 Series – Elevation Plot



PSTGO 900 Series – Azimuth Plot



Note: Patterns measured on a 12" x 12" ground plane.