



PSTN2-2200



PSTN2-3200



PSTN2-4500



PSTN2-2400/5600

## 1/2 wave Device Antennas 2.4/5.5 GHz, 2.2 GHz, 3.2 GHz & 4.5 GHz

- Up to 2.3 dBi gain styles with semi-flexible radome
- Halfwave design requires no groundplane
- Models for popular Govt/military bands, as well as a dual band WiFi (802.11a/b/g)
- Connectors vary, based on model & band

These 1/2 wave antennas require no ground plane for operation. This makes them ideal for use with portable or small remote devices with little or no groundplane. They can even be used with products that consist of all plastic chassis or case.

These PSTN Series antennas use full length center fed dipole configuration. Radiated energy is most pronounced along the horizon, with maximum peak of 2.5 dBi, free space. When mounted with the whip close to metal, the energy pattern can become shaped, and result in higher peak gain.

VSWR is typically 2:1 or better over the desired frequency range. These antenna generally operate at specialized frequencies, some bands typically restricted to government or military applications. The dual band model PSTN2-2400/5600 can additionally be used on commercial WiFi systems.

PCB based designs, the antennas are encased in UV resistant black PVC. The antenna radomes are water-

proof, however additional sealing of connectors would be required if mounting permanently in an outdoor environment.

Connectors vary dependent on the model. Different configurations may be available in this regard, please consult the factory for possible options.

Minimum orders apply to these specialized models, please consult factory for latest details and availability.

<u>Model</u>	<u>Frequency</u>	<u>Connector</u>
PSTN2-2200	2.1 - 2.3 GHz	BNC Male
PSTN2-3200	3.1 - 3.3 GHz	SMA Male
PSTN2-4500	4.4 - 4.7 GHz	SMA Male
PSTN2-2400/5600	2.4 - 2.485 GHz & 5 - 6 GHz	N Male

Note: Other connector configurations may be available, please consult factory for your requirements.

### Specifications

<b>Frequency:</b>	See above
<b>Gain:</b>	2.3 dBi max
<b>VSWR:</b>	2:1 over band
<b>Impedance:</b>	50 Ohm nominal
<b>Maximum Power:</b>	10 Watts
<b>Connector:</b>	See models above
<b>Case Material:</b>	Black Polyvinyl chloride, UV resistant
<b>Temperature Range:</b>	-40° to +85° C
<b>RF Connectors:</b>	See model chart above

### Antenna Dimensions:

PSTN2-2200	4 3/4" Length x 1/2" Diameter (121 mm x 13 mm)
PSTN2-3200	3 1/2" length x 7/16" Diameter (89 mm x 11 mm)
PSTN2-4500	3 1/2" Length x 7/16" Diameter (89 mm x 11 mm)
PSTN2-2400/5600	4 7/8" Length x 3/4" Diameter (124 mm x 19 mm)

Please consult factory for special configurations & frequency bands.

# PSTN2-2200 Series Antenna

Single Band Rubber Duck Antenna

2 dBi, (2100-2300 MHz)

PSTN2-2200 Series – Elevation Plot

