



Picture of the Part



Application

WPANT30004-SB2 Antenna is a **Surface independent, High Performance** Penta-band Cellular / 3G & ISM band Antenna, which is very compact in shape. The Antenna can be configured with different Connector styles. This configuration has 1.5 meters RG58 Cable with SMA Male Connector.

The Antenna can be mounted to any surface, metal, concrete or wood and it will have the same characteristics, without any change in the antenna tuning.

WP Wireless can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. WP Wireless specializes in developing customized Antenna solutions. Please contact sales@wp-wireless.com with your specific application requirements.

Electrical Properties

Parameter	Antenna Performance	
Operating Frequency [MHz]	824 – 960 MHz	1.71 – 2.17 GHz
Recommended Impedance of the customer Radio Module[Ω]	50Ω	50Ω
VSWR – Typical	<3:1	<2.5:1
Peak Gain [dBi] (Typical)	0.5 – 2.5 dBi	1.5 – 3 dBi
Efficiency [%] (Typical)	70 - 90%	65 - 90%
Polarization	Linear	Linear
Pattern	Near Omni Directional; Also depends on installation	Near Omni Directional; Also depends on installation
Accepted Power [W] (Max)	2 Watts	2 Watts

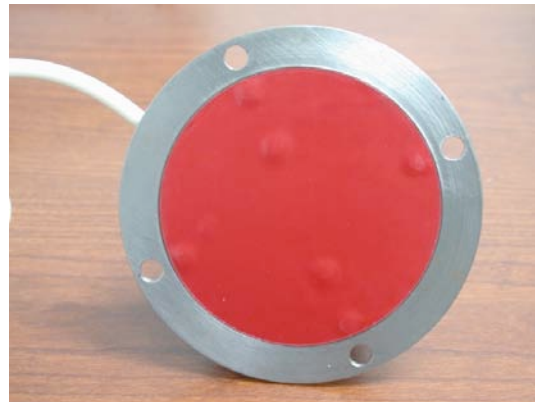


Mechanical / Environmental Properties

Item	Value
Dimensions	96mm Height X 100mm Diameter on the Metal Plate
Antenna Color	Cool Grey
Cable	1.5 meters RG-58
Connector	SMA Male
Antenna Plastic Radome	ABS + Polycarbonate
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS compliant

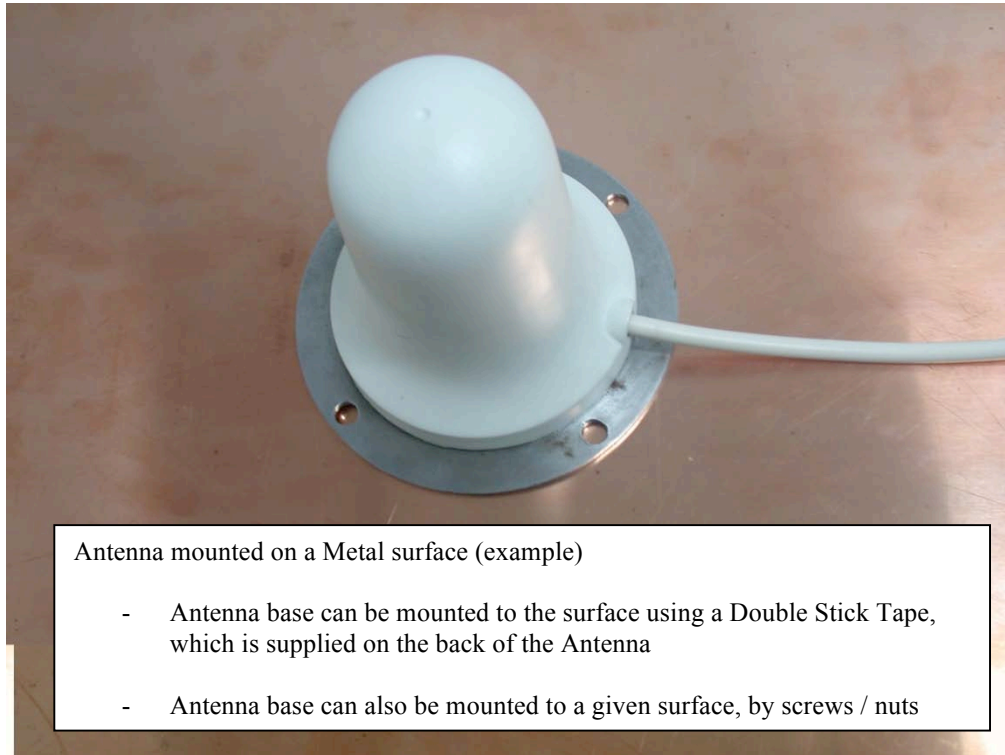
Pictures of the Antenna





Antenna mounted on a Wood surface (example)

- Antenna base can be mounted to the surface using a Double Stick Tape, which is supplied on the back of the Antenna
- Antenna base can also be mounted to a given surface, by screws / nuts



SMA Male Connector & RG58 Cable



VSWR of the Antenna

