



## Picture of the Antenna



## Application

The WPANTDP017-S1A is a multi-polarized 3X3 MIMO antenna that operates in the 4.9 – 5.9 GHz band. It comes with a stainless steel mount and three RG-174 cables with SMA female connectors. The Multi-polarization with Pattern diversity ensures that multipath effects are combated very effectively. The antenna is at DC ground to ensure protection against lightning.

WP Wireless can assist your engineers to optimize mounting positions for these antennas in your specific application and can further customize the antennas for your specific needs. Please contact [sales@wp-wireless.com](mailto:sales@wp-wireless.com) with your specific application requirements.

## Electrical Properties

Parameter	Antenna Performance
Operating Frequency	4.9 – 5.9 GHz
Recommended Impedance of the customer Radio Module[Ω]	50Ω
VSWR - Typical	<2.5:1
Efficiency [%] (Typical)	~ 65 %
Peak Gain [dBi] (Typical)	2 – 4 dBi
Polarization	Vertical or Horizontal
Pattern	True Omni-directional
Accepted Power [W] (Max)	50 Watts
Lightning Protection	DC ground



**Mechanical / Environmental Properties**

Item	Value
Antenna Dimensions	96.2 mm X 46.2 mm X 47 mm (L X W X H)
Antenna Color	White
Cable	12 inches RG-174 (Three count)
Connector	SMA female (Three count)
Antenna Radome	ABS
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS compliant

**Pictures of the Antenna**

