

# WPANTDP087-R1A

## 5.8 GHz Wi-Fi / WLAN Directional Panel Antenna

### Picture of the Antenna



### Description / Application

This is a high gain Directional Panel antenna that operates in the 5.8 GHz Wi-Fi / WLAN band. It can be configured with different connector styles. This antenna is at DC ground for lightning protection.

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](mailto:sales@wp-wireless.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	5.725 – 5.850 GHz
<b>Approximate Antenna Impedance [Ω]</b>	50Ω
<b>VSWR - Typical</b>	< 2:1
<b>Peak Gain [dBi] (Typical)</b>	~ 16 dBi
<b>Polarization</b>	Right Hand Circular Polarization (RHCP)
<b>Pattern</b>	Directional (> 20 dB F/B Ratio)
<b>Accepted Power [W] (Max)</b>	100 Watts
<b>Lightning Protection</b>	DC ground

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	7.9" X 7.9" X 0.60" (L X W X H)
<b>Antenna Color</b>	White
<b>Radome Material</b>	Polyamide
<b>Connector</b>	N-type Female
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant



**Pictures of the Antenna**

