

## WPANT30026-S5A

### Dual-band ISM Omni-directional Body-mount Disc Antenna



### Description / Application

This is a high performance Omni directional, body mount Industrial grade antenna that operates at 865 MHz, 915 MHz and 2.4 GHz bands. This comes with a 1 meters long RG58 Cable and Straight RP-SMA Male connector. This antenna works well on any mounting surface, metal or non-metal. The antenna is at DC ground to ensure protection against lightning.

We 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. We specialize in developing customized Antenna solutions. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

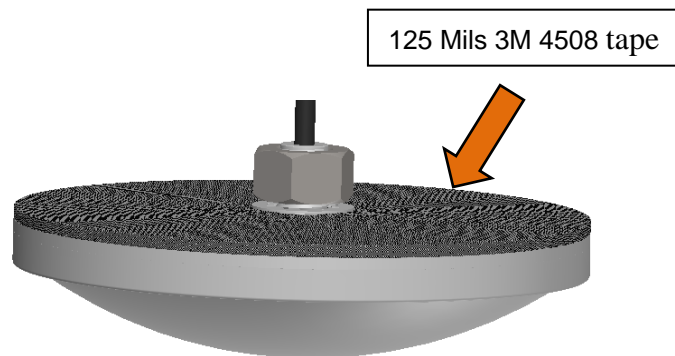
<b>Operating Frequency</b>	860 – 960 MHz	2.4 – 2.5 GHz
<b>Approximate Antenna Impedance [Ω]</b>	50Ω	50Ω
<b>VSWR – Typical*</b>	< 2:1	< 3:1
<b>Peak Gain [dBi] (Typical)*</b>	3 to 4 dBi	~ 3 dBi
<b>Efficiency [%] (Typical)*</b>	~ 80 %	~ 65 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Omni-directional	Omni-directional
<b>Lightning Protection</b>	DC ground	DC ground

\*Note: These performance metrics were recorded with the antenna placed on top of a WP Test Fixture (Metal plate / metal box), which was developed keeping customer's application in perspective

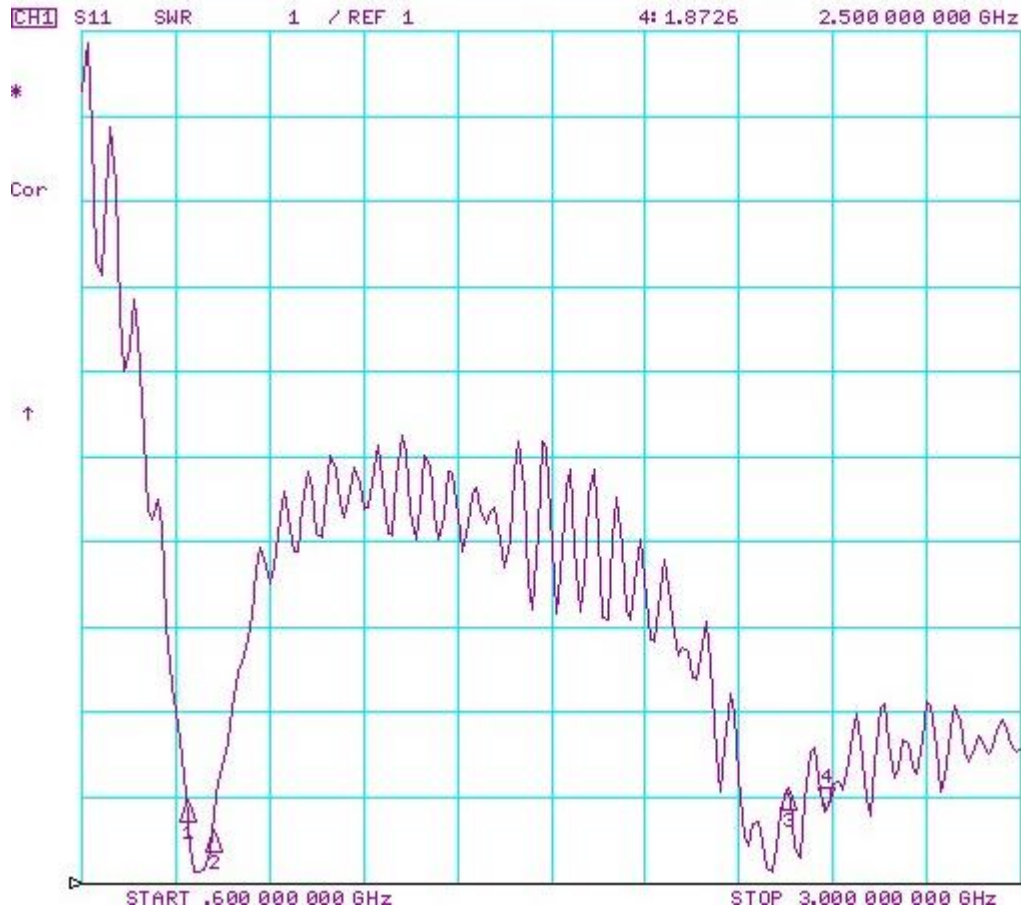
### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	5.5" (Diameter) X 1.32" (Height)
<b>Antenna Color</b>	Cool Grey
<b>Cable</b>	1 meters long RG58 (Black)
<b>Connector</b>	Straight RP-SMA Male
<b>Antenna Radome</b>	ABS + Polycarbonate
<b>Plastic Nut</b>	M14x2.00 Hex Nut (Nylon material) 22.23mm Width
<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



## VSWR of the Antenna



CH1 Markers  
1: 1.9594  
865.000 MHz  
2: 1.6087  
930.000 MHz  
3: 2.0912  
2.40000 GHz