

## WPANT30104-S1C

### 900 MHz ISM band Omni-Directional Antenna



### Description / Application

This is a high gain Omni-directional antenna that operates in the 900 MHz ISM band. It comes with a Type-N female connector. 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 customize the antennas for your specific needs. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

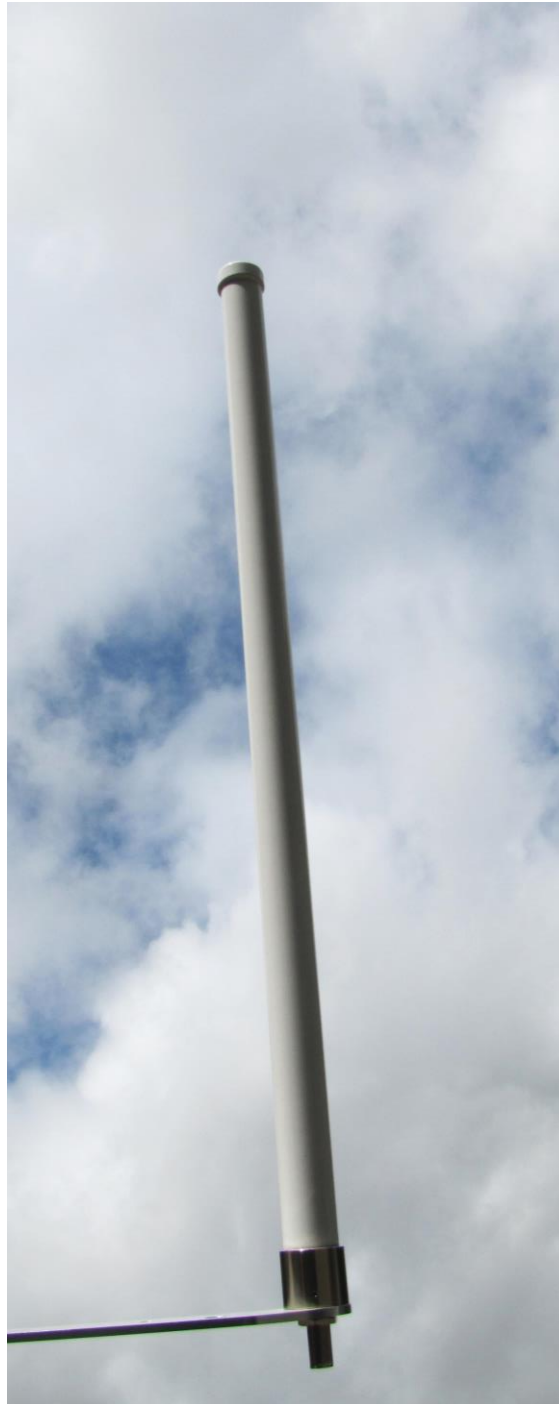
### Electrical Properties

|                                                            |                                                       |
|------------------------------------------------------------|-------------------------------------------------------|
| <b>Operating Frequency</b>                                 | 900 – 960 MHz (optimized for 900 – 930 MHz operation) |
| <b>Approximate Antenna Impedance [<math>\Omega</math>]</b> | 50 $\Omega$                                           |
| <b>VSWR – Typical</b>                                      | < 2:1                                                 |
| <b>Peak Gain [dBi] (Typical)</b>                           | 6 dBi                                                 |
| <b>Polarization</b>                                        | Vertical                                              |
| <b>Pattern</b>                                             | Omni-Directional                                      |
| <b>Lightning Protection</b>                                | DC ground                                             |

### Mechanical / Environmental Properties

|                                        |                                                                                                 |
|----------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Antenna Dimensions</b>              | 28.75" (730 mm)                                                                                 |
| <b>Antenna Color</b>                   | White                                                                                           |
| <b>Connector</b>                       | Type-N Female with 2 flat edges                                                                 |
| <b>Antenna Radome</b>                  | Fiberglass                                                                                      |
| <b>Operating / Storage Temperature</b> | -40°C to +90°C                                                                                  |
| <b>Environmental</b>                   | Meets standards for UL 94V-0; Outdoor rated: Salt spray resistant, Wind and vibration resistant |
| <b>Hazardous Materials</b>             | RoHS Compliant                                                                                  |

## Pictures of the Antenna



### 3D Radiation Pattern of the Antenna

915 MHz

