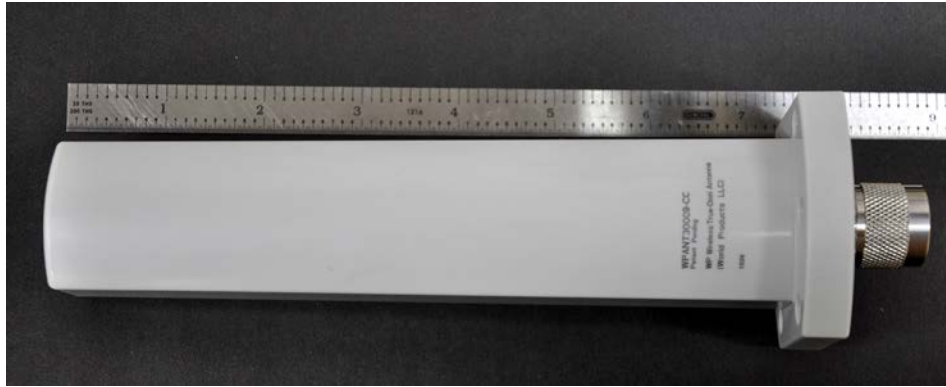


## WPANT30009-CC

### 915 MHz & 2.4 GHz ISM Dual-band TRUE-OMNI Antenna



#### Description / Application

This is a Highly Efficient, 2 dBi True-Omni Directional Antenna that can be used by any repeater system in the ISM bands in order to maximize the Coverage Radius. The Antenna Radiation Pattern is Symmetric along the axis & has a perfect donut shaped 3D pattern at the main frequency. It comes with a Type-N Male connector.

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>                                 | 902 – 928 MHz         | 2.4 – 2.5 GHz         |
| <b>Approximate Antenna Impedance [<math>\Omega</math>]</b> | 50 $\Omega$           | 50 $\Omega$           |
| <b>VSWR – Typical</b>                                      | < 2:1                 | < 2:1                 |
| <b>Peak Gain [dBi] (Typical)</b>                           | 2 dBi                 | 4 dBi                 |
| <b>Efficiency [%] (Typical)</b>                            | 90 %                  | 80 %                  |
| <b>Polarization</b>  | Linear                | Linear                |
| <b>Pattern</b>   | True Omni-directional | True Omni-directional |

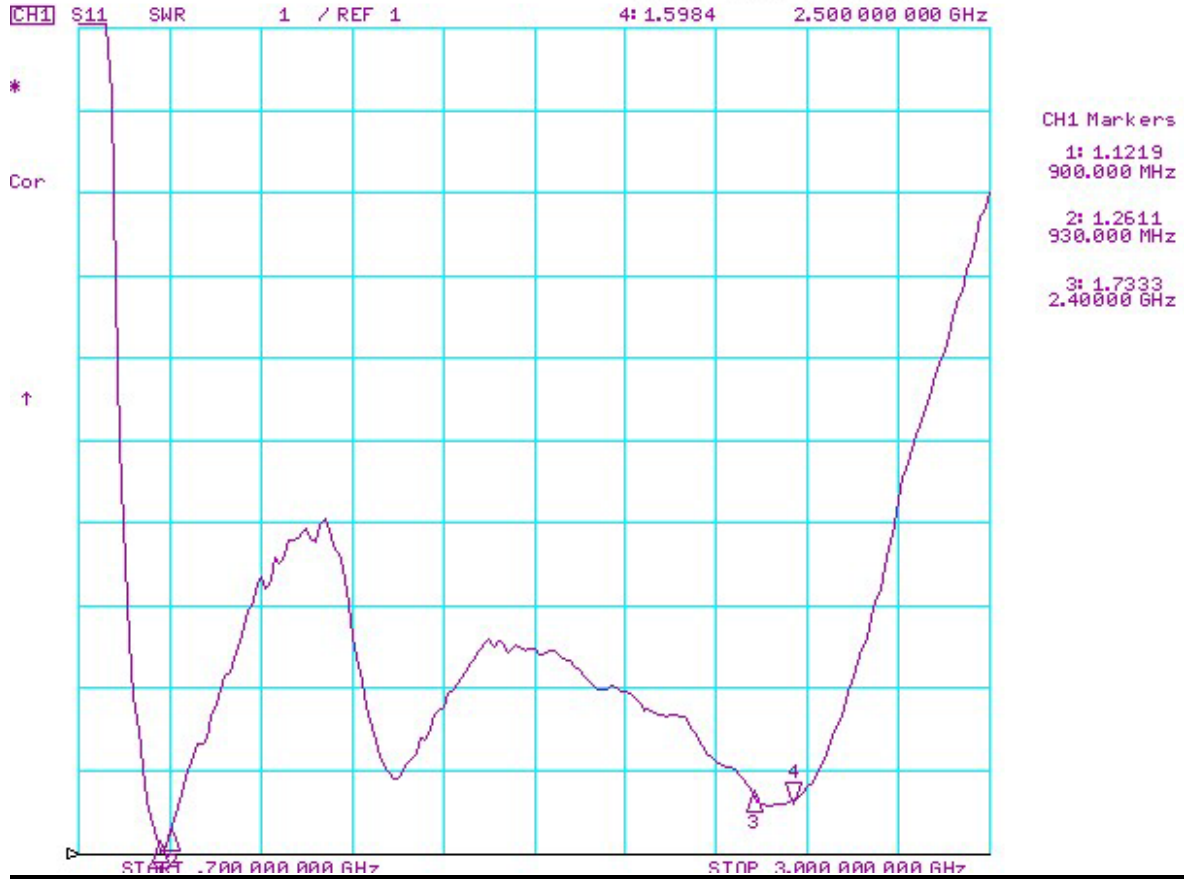
#### Mechanical / Environmental Properties

|  |   |
|--|---|
| <b>Antenna Height</b>                  | 8.6" (from the bottom of the Connector to the top of the Radome)  |
| <b>Antenna Base</b>                    | 2.72" max dimension   |
| <b>Antenna Color</b>                   | Cool Grey   |
| <b>Metal Base</b>                      | Anodized Aluminium, Black color   |
| <b>Connector</b>                       | Type-N Male   |
| <b>Antenna Radome</b>                  | Polycarbonate + ABS, Grey color   |
| <b>Operating / Storage Temperature</b> | -40°C to +90°C  |
| <b>Environmental</b>                   | Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0 |
| <b>Hazardous Materials</b>             | RoHS Compliant  |
| <b>Packaging</b>                       | Meets ISTA2A Standards  |

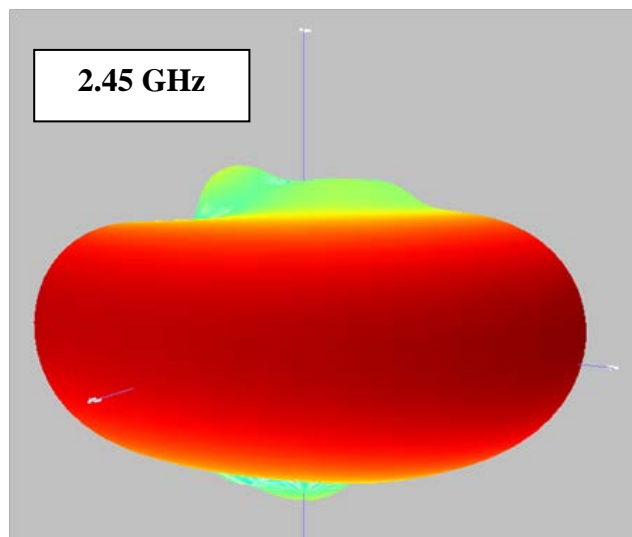
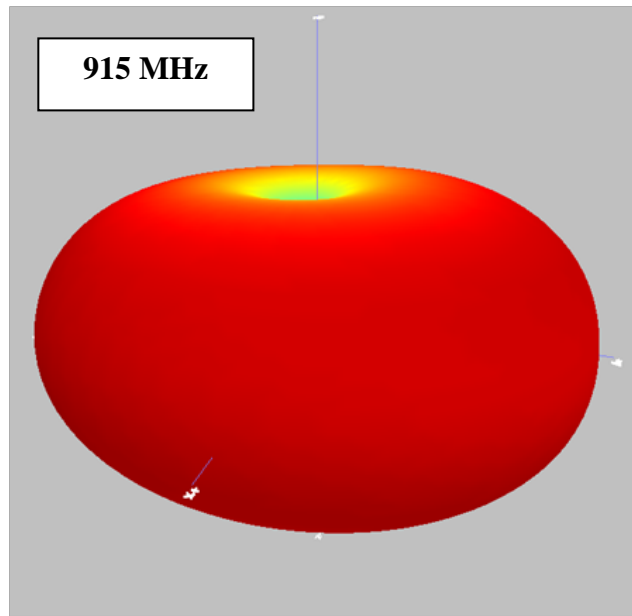
Pictures of the Antenna



**VSWR of the Antenna**



### 3D Radiation Pattern of the Antenna



**Note:** The Radiation Patterns might appear little tilted. However, this is not because of the Antenna. This is due to the tolerance in positioning of the Antenna in the 3D Anechoic Chamber.