

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 and also functions in the 2.4 GHz 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 with your specific application requirements.

Electrical Properties

Operating Frequency	900 – 960 MHz (optimized for 900 – 930 MHz operation)	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50 Ω	
VSWR – Typical	< 2:1	< 5:1
Peak Gain [dBi] (Typical)	4 to 6 dBi	0 dBi
Polarization	Vertical	Vertical
Pattern	Omni-Directional	Near Omni
Lightning Protection	DC ground	DC ground

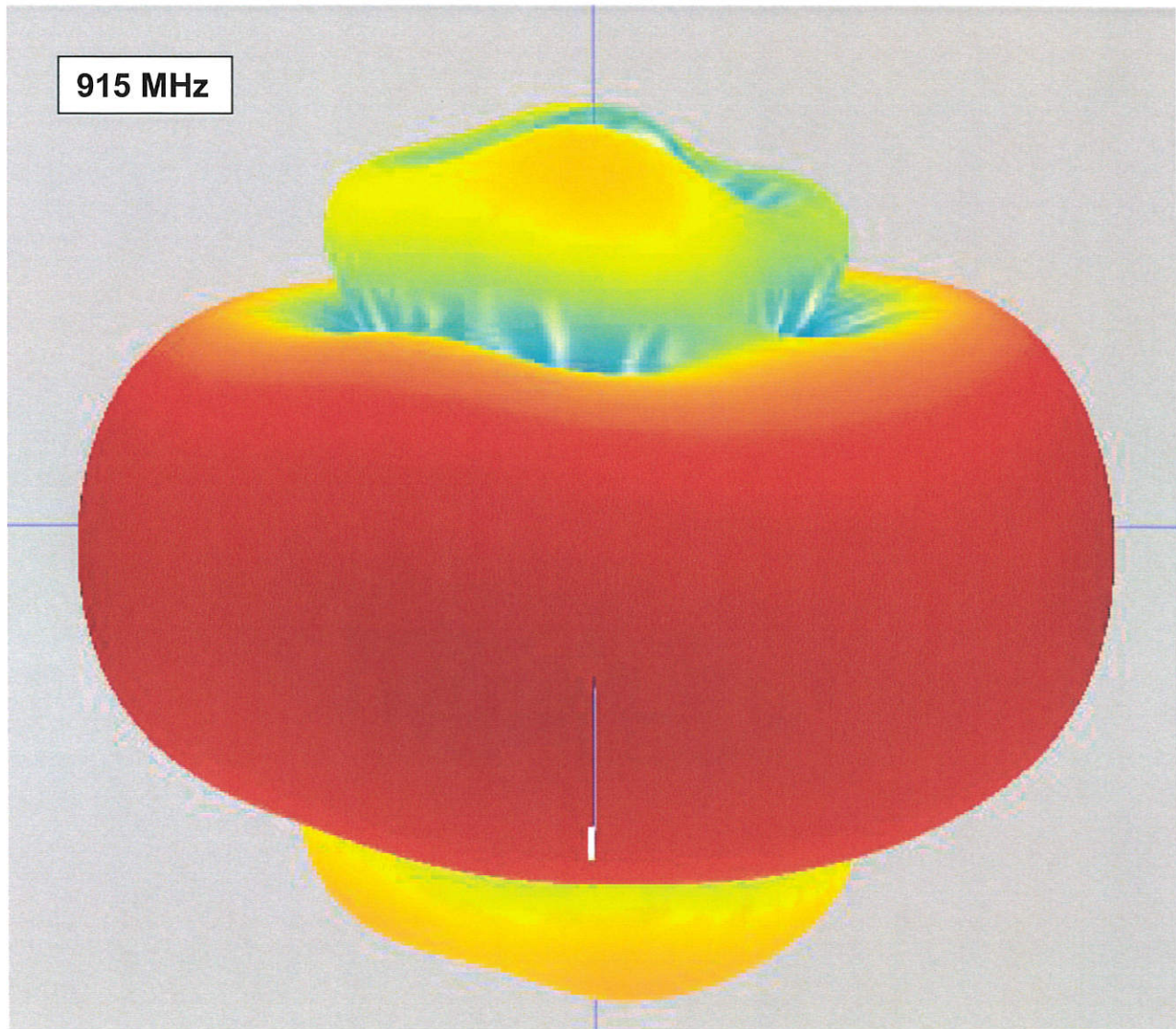
Mechanical / Environmental Properties

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

Pictures of the Antenna



3D Radiation Pattern of the Antenna



Client: Silverspring Networks

Client P/N: 201 – 000022

WPI P/N: WPANT30104-S1C

Note: Any future changes (minor / major) that World Products Inc. intends to make to this antenna will be first submitted to Silver Spring Networks for verification and approval.

Customer Approval Signature: LED Madden Jr.
Customer Name: LED Madden Jr.
Title: Sr. Comp ENGR.
Approval Date: 6/20/14

WPI Wireless Engineering Approval: Brad Podduturi
Date Approved: 06/09/2014