

WPANT30063-S1A

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



Description / Application

This is a Highly Efficient Dual-Band, 3 dBi True-Omni Directional Antenna that can be used by any repeater system in the ISM band 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. The antenna is at DC ground to ensure protection against lightning.

Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	902 – 928 MHz	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical	< 1.5:1	< 2.5:1
Peak Gain [dBi] (Typical)	3 dBi	3.5 dBi
Efficiency [%] (Typical)	80 %	70 %
Polarization	Linear	Linear
Pattern	True Omni-directional	True Omni-directional
Accepted Power [W] (Max)	2 Watts	2 Watts
Lightning Protection	DC ground	DC ground

Mechanical / Environmental Properties

Antenna Height	13.72" (from the bottom of the Connector to the top of the Radome)
Antenna Base	2.72" max dimension
Antenna Color	Cool Grey
Metal Base	Black Anodized Aluminium
Connector	Type-N Male
Antenna Radome	ABS + Polycarbonate
Operating / Storage Temperature	-40°C to +90°C
Environmental	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant
Packaging	Meets ISTA 2A Standards

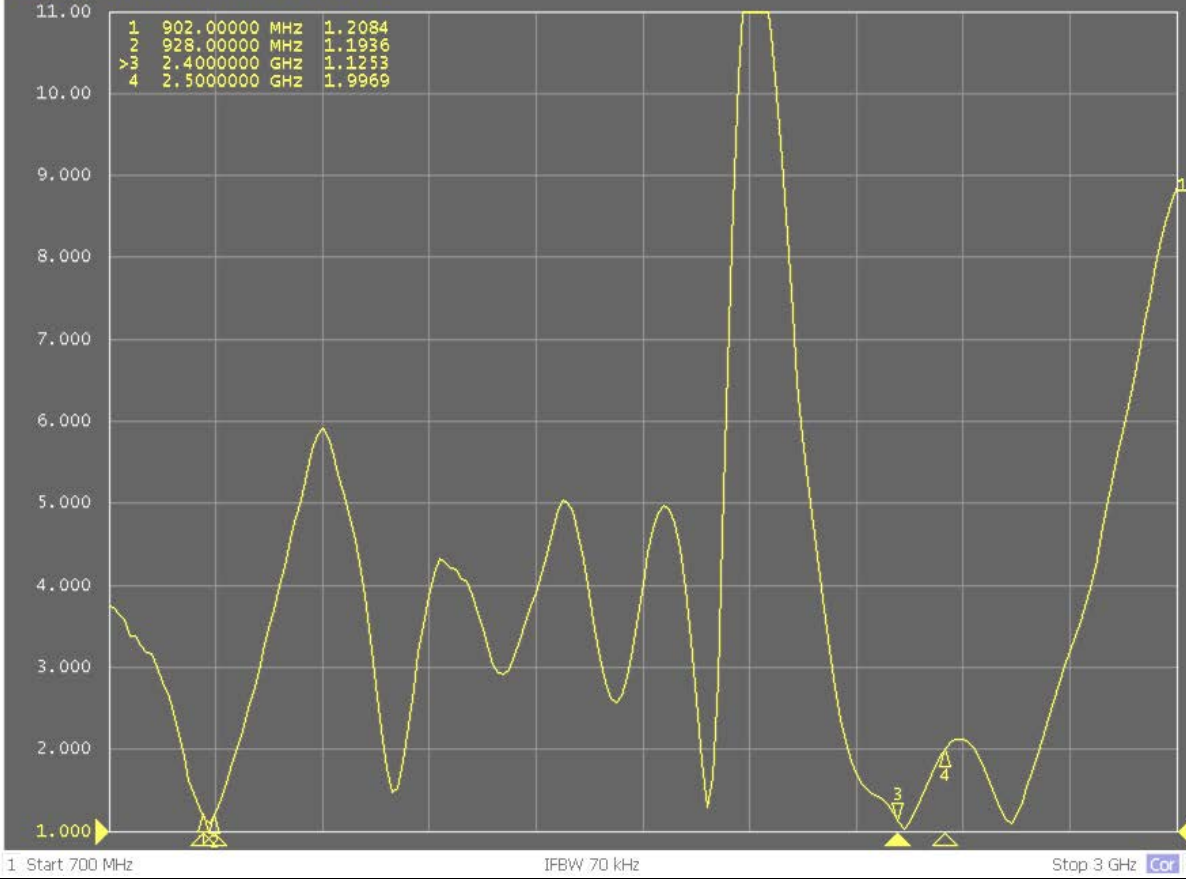
Pictures of the Antenna



VSWR of the Antenna

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

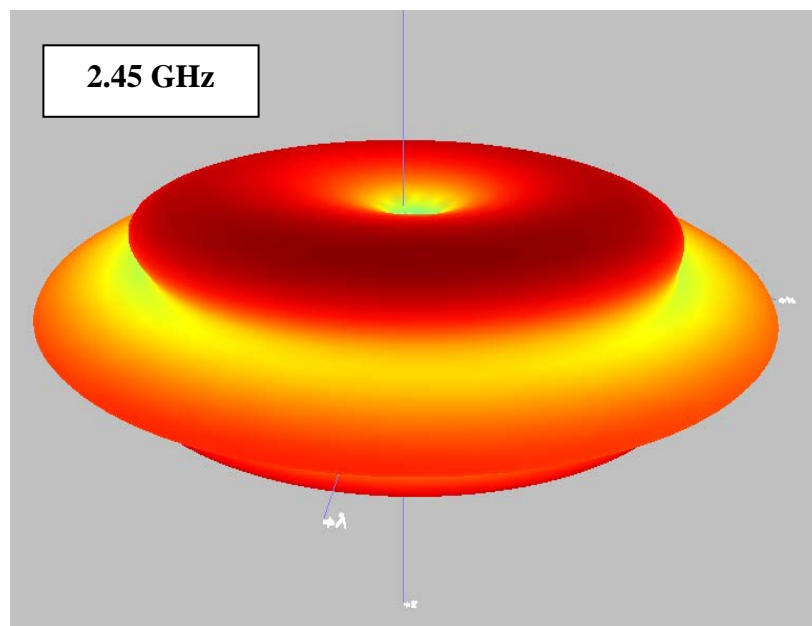
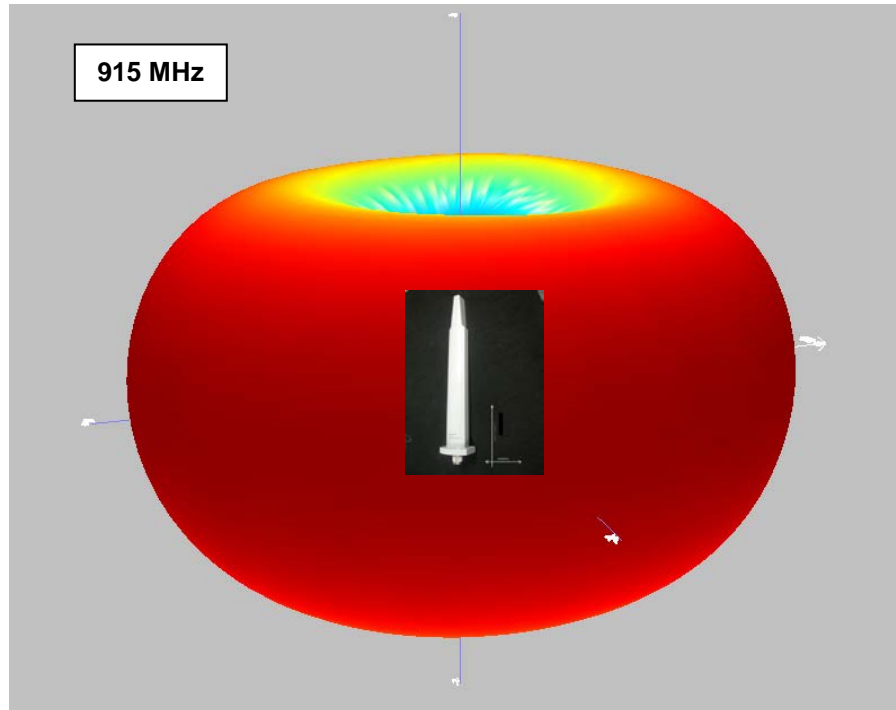
▶ [F1] S33 SWR 1.000/ Ref 1.000 [F1]



Marker

- ✓ Marker 1
- ✓ Marker 2
- ✓ Marker 3
- ✓ Marker 4
- More Markers
- Ref Marker
- Clear Marker Menu
- Marker -> Ref Marker
- Ref Marker Mode OFF
- Return

3D Radiation Patterns of the Antenna



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