

WPANT30217-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	~ 4 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

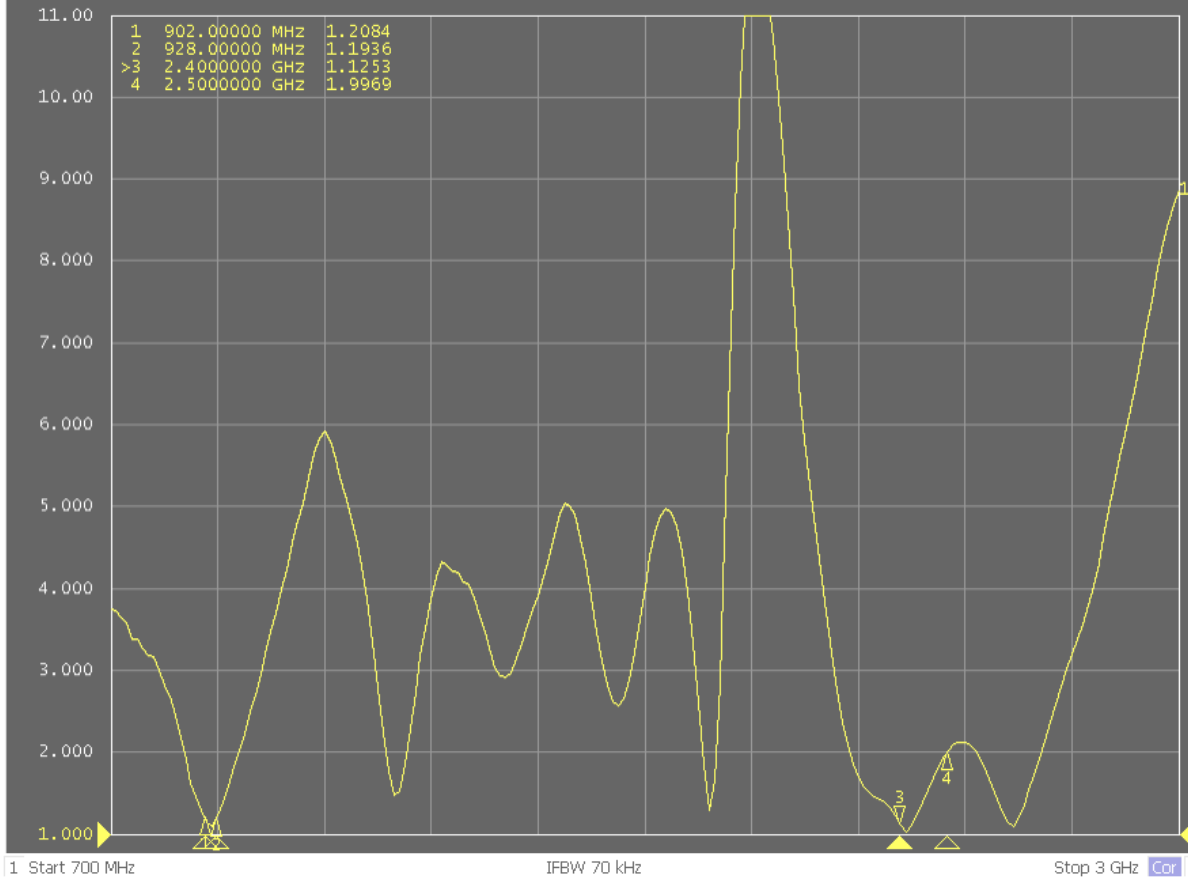
Mechanical / Environmental Properties

Antenna Height	15.35" (from the bottom of the Connector to the top of the Radome)
Antenna Base	1.486" max dimension
Antenna Color	White
Metal Base	Stainless Steel
Connector	Type-N Male
Antenna Radome	Fiberglass
Antenna Circuitry	UL 94-V Compliant
Operating / Storage Temperature	-40°C to +90°C
Hazardous Materials	RoHS Compliant
Packaging	Meets ISTA 2A Standards

VSWR of the Antenna

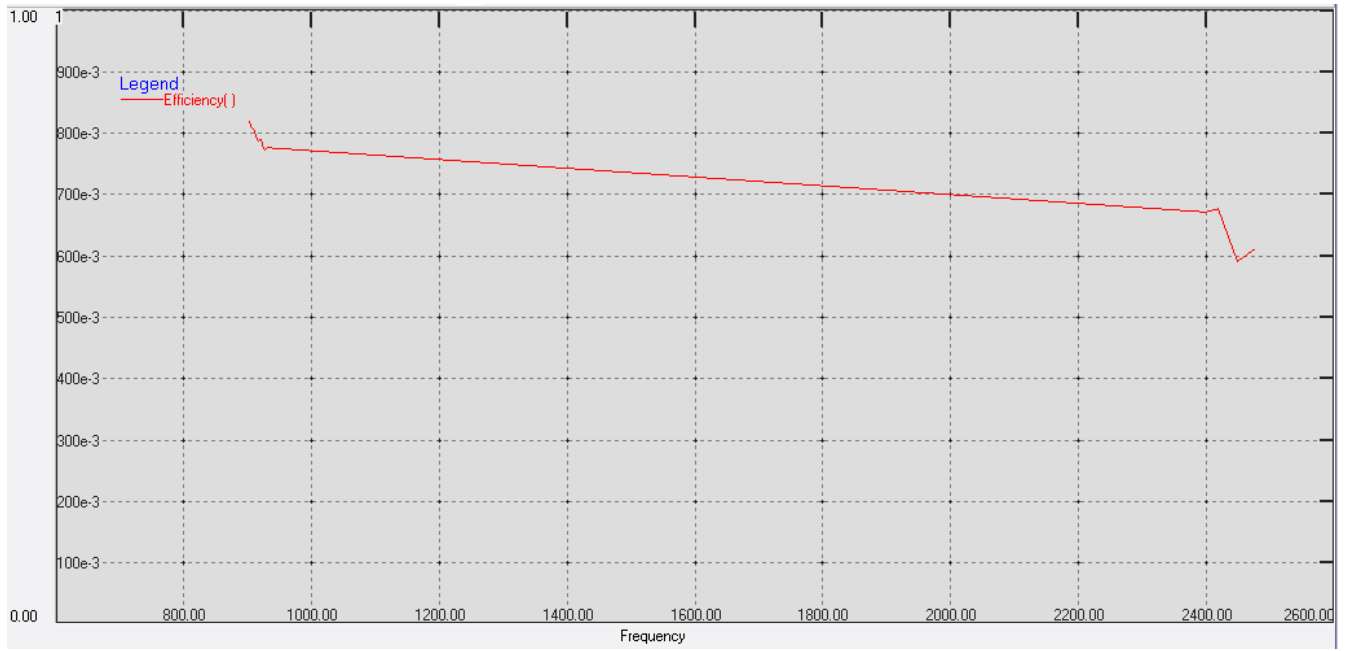
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

▶ **Tr1** 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	

Total Radiation Efficiency of the Antenna in % (including VSWR losses)



Peak Gain of the Antenna in dBi

