

Picture of the Part



Application

The WPANT30026-SE antenna is a high performance Omni directional, body mount Industrial grade antenna that operates at both 915 MHz and 2.4 GHz Bands. It can be configured with different Cable / Connector styles & lengths. This antenna works well on any mounting surface, metal or non-metal. The antenna is at DC ground to ensure protection against lightning.

WP Wireless can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. WP Wireless specializes in developing customized Antenna solutions. Please contact sales@wp-wireless.com with your specific application requirements.

Electrical Properties

Parameter	Antenna Performance	
Operating Frequency	902 – 928 MHz	2.4 – 2.5 GHz
Recommended Impedance of the customer Radio Module[Ω]	50Ω	50Ω
VSWR – Typical*	<2:1	<3:1
Peak Gain [dBi] (Typical)*	4 dBi	3.5 dBi
Efficiency [%] (Typical)*	80%	65%
Polarization	Linear	Linear
Pattern	Omni Directional	Omni Directional
Accepted Power [W] (Max)	2 Watts	2 Watts
Lightning Protection	DC ground	

*Note: These performance metrics were recorded with the antenna placed on top of a WP Test Fixture (Metal plate / metal box), which was developed keeping customer's application in perspective.

Mechanical / Environmental Properties

Item	Value
Antenna Height	1.32"
Antenna Base	5.5" Diameter
Antenna Color	Cool Grey (The prototype shown below is similar in color. Customer may provide specific color)
Cable	1 meter long RG58 (Black)
Connector	Right Angle SMA Male
Plastic Screw	M14x2.00 Hex Nut (Nylon material) 22.23mm Width
Antenna Plastic Radome	PC+ABS
Operating / Storage Temperature	-40°C to +90°C
Hazardous Materials	RoHS compliant

Pictures of the Antenna

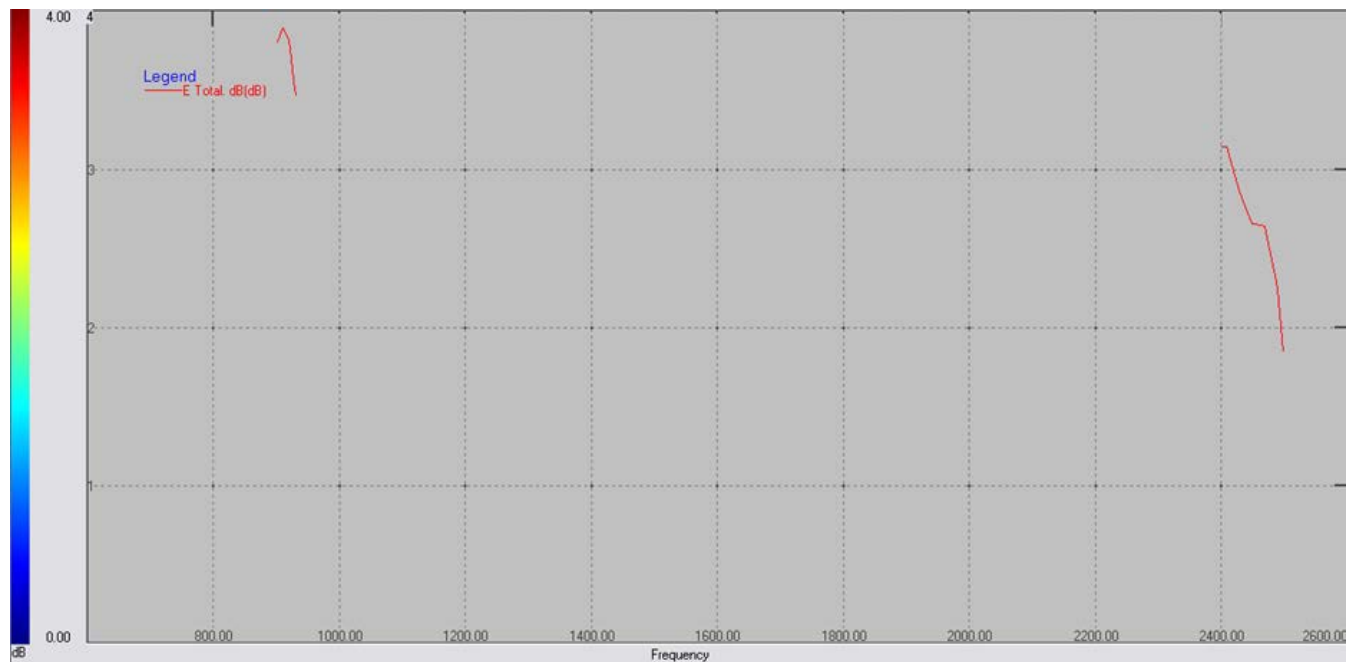




VSWR of the Antenna

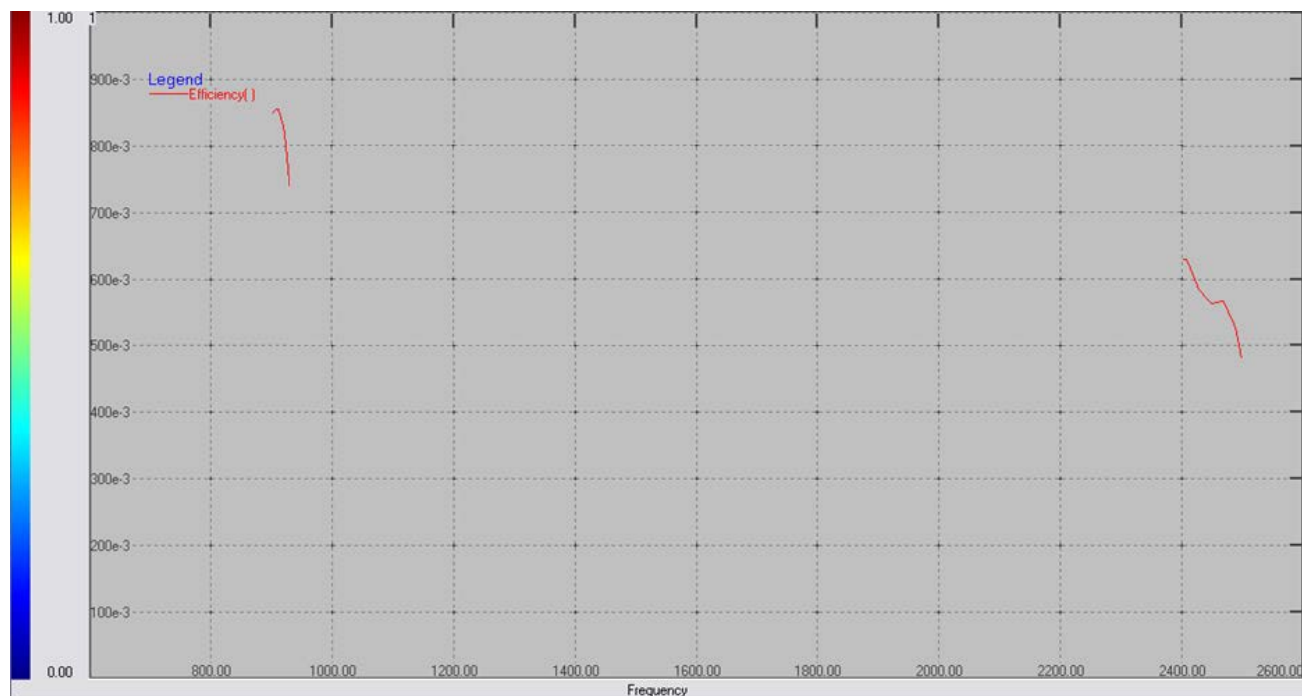


Peak Gain in dBi





Antenna Total Radiation Efficiency in % (including VSWR losses)





3D Radiation Pattern (Antenna installed on top of a metal plate)

