



Picture of the Part



Application

WPANT10028-C1A is a 2.4 GHz Wi-Fi on board Stamped Metal Antenna. Broad bandwidth, excellent efficiency and ease of integration make this an ideal choice for applications where performance is very important.

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	2.4 – 2.5 GHz
Recommended Impedance of the customer Radio Module[Ω]	50Ω
VSWR - Typical*	<2:1
Peak Gain [dBi] (Typical) *	2 – 2.5 dBi
Efficiency [%] (Typical) *	65 – 70%
Polarization	Linear
Pattern	Near Omni Directional
Accepted Power [W] (Max) *	2 Watts
Minimum Ground plane size required	40 – 50mm

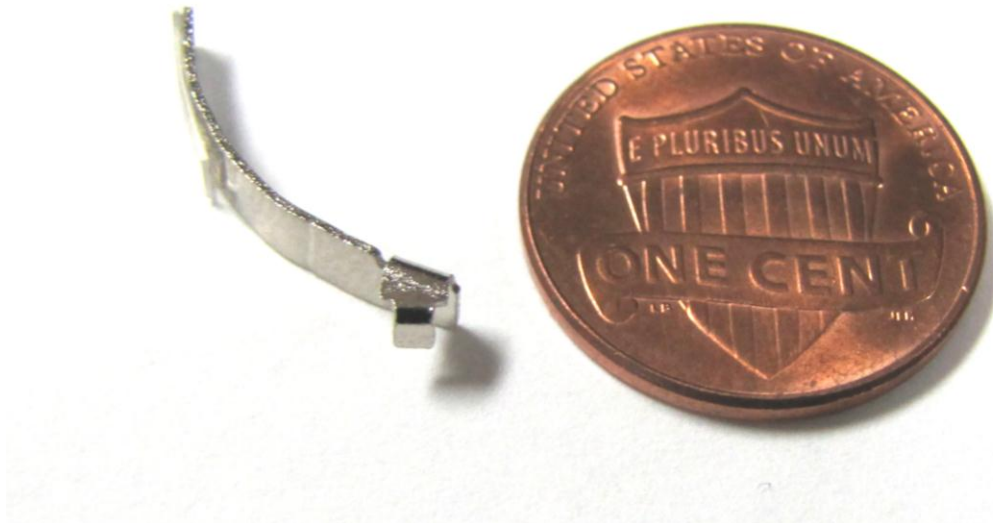
***Note:** These performance metrics were recorded with the Antenna installed on the client’s device.



Mechanical / Environmental Properties

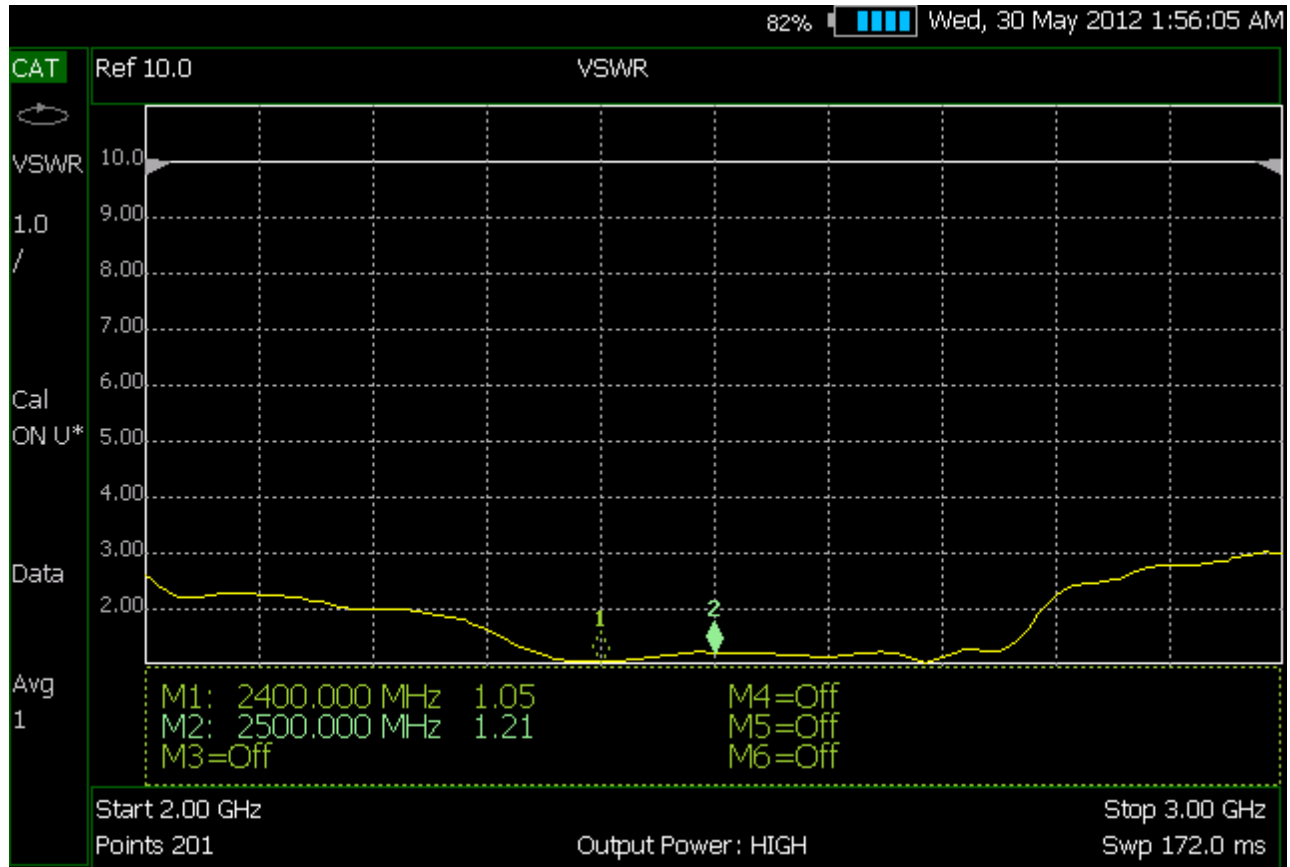
Item	Value
Antenna Dimensions	18mm X 3mm X 0.38mm (L X H X T)
Antenna Color	Metallic Silver
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS compliant

Picture of the Antenna

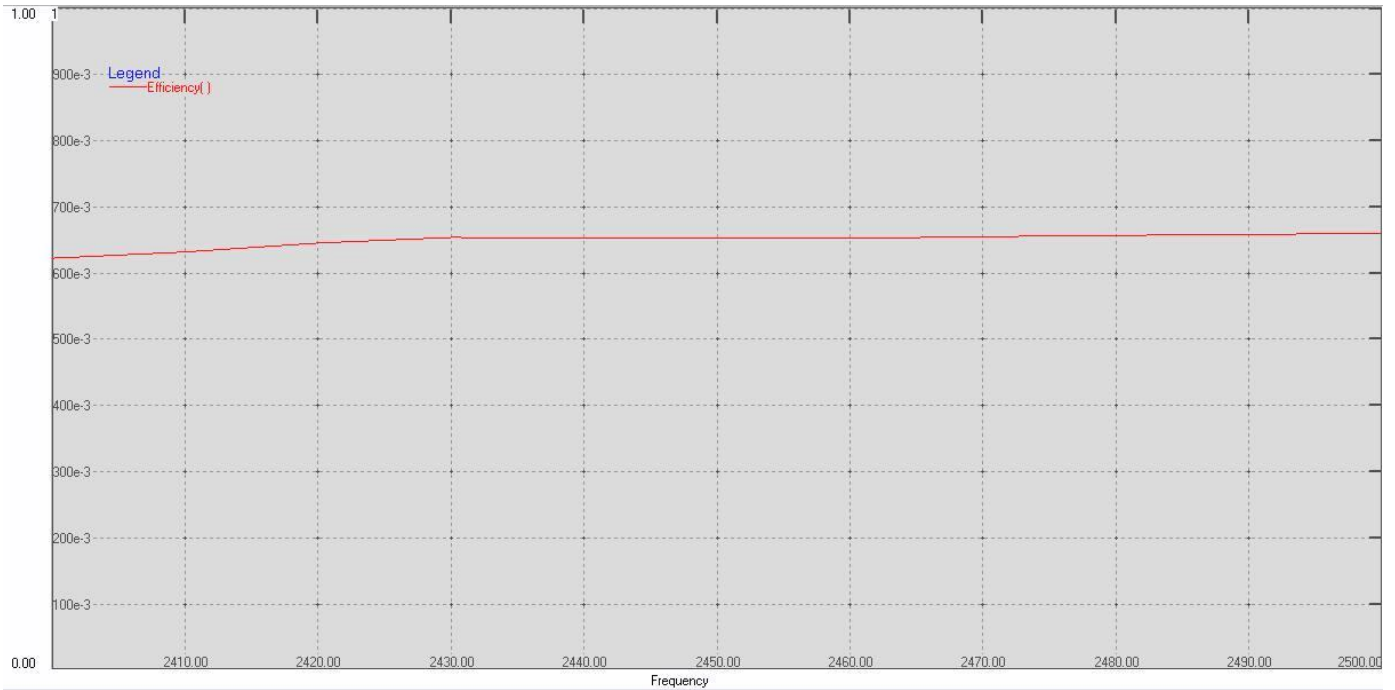




VSWR of the Antenna



Efficiency of the Antenna in %





Peak Gain in dBi

