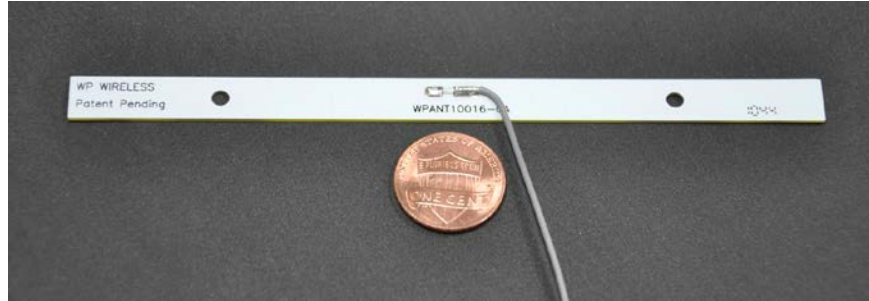


WPANT10016-CA

800 / 900 MHz ISM Band and GSM Embedded Antenna



Description / Application

This is an Omni-directional 824-960 MHz GSM band & 902-928 MHz ISM band antenna, which can be installed inside any wireless device. This antenna is designed especially for applications that require a highly Omni-directional radiation pattern along with Efficiency in excess of 80% across the band.

We 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. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	824 – 960 MHz & 902 – 928 MHz
Approximate Antenna Impedance [Ω]	50Ω
VSWR – Typical	< 2:1
Peak Gain [dBi] (Typical)	2 to 3 dBi
Efficiency [%] (Typical)	70 – 90 %
Polarization	Linear
Pattern	Omni-directional

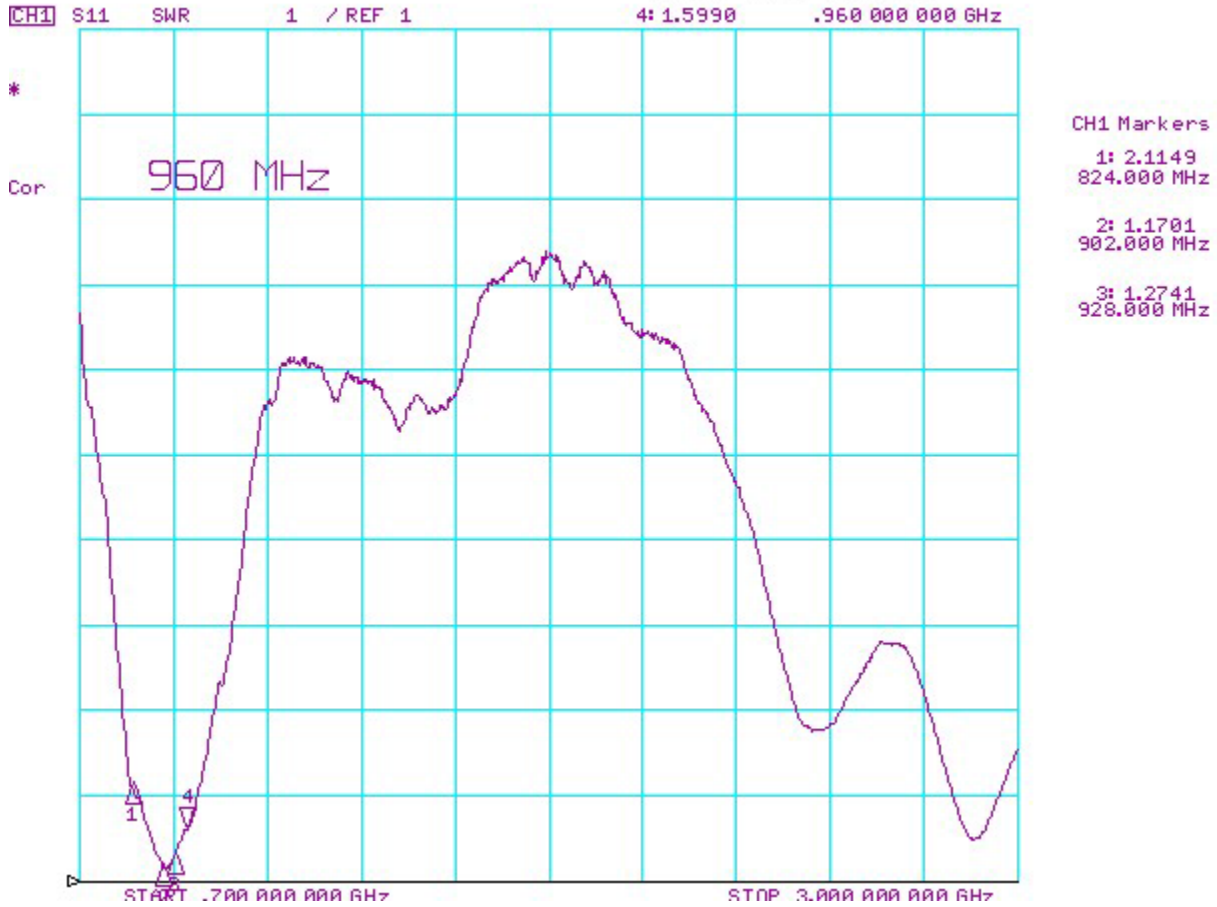
Mechanical / Environmental Properties

Antenna Dimensions	5.1" X 0.3" X 31mils (128.5mm X 8mm X 0.8mm)
Antenna Color	White
Cable	7.9" long 1.32mm OD Micro Co-ax
Connector	IPX / Hirose equivalent
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

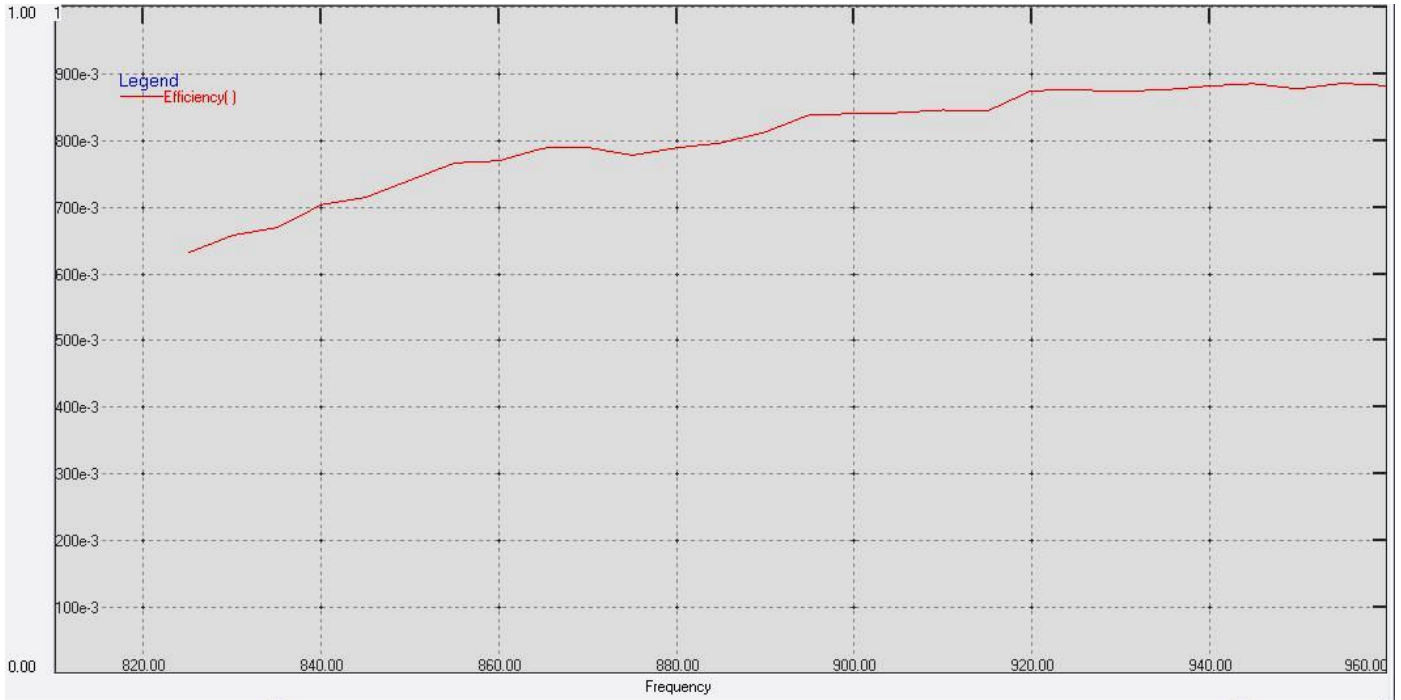
Pictures of the Antenna



VSWR of the Antenna



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



Peak Gain of the Antenna in dBi

