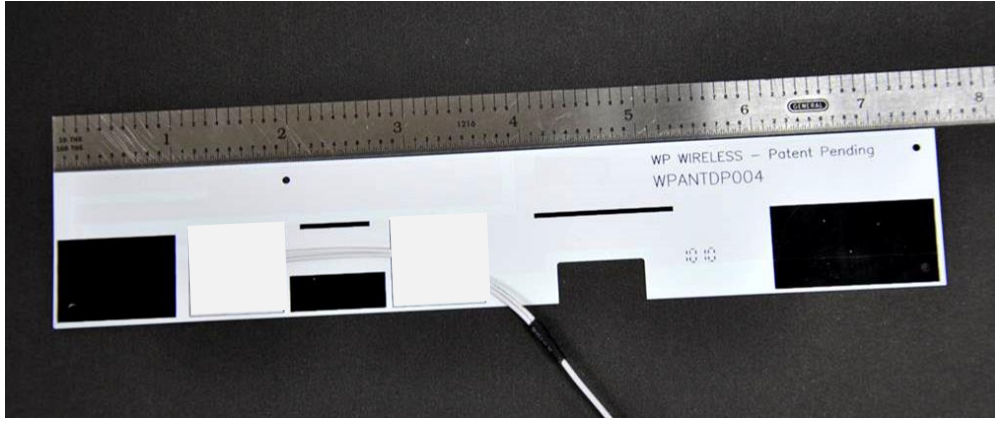


WPANT40005-SA

450 MHz Wrap-Around AMI Antenna



Description / Application

This is a wrap-around antenna for Electric Meters that operates from 450 – 470 MHz. This Antenna can work efficiently on any typical Electric Meter. Standard cable on this antenna is 1.32mm Dia Micro Coax and connector is IPX / Hirose equivalent.

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

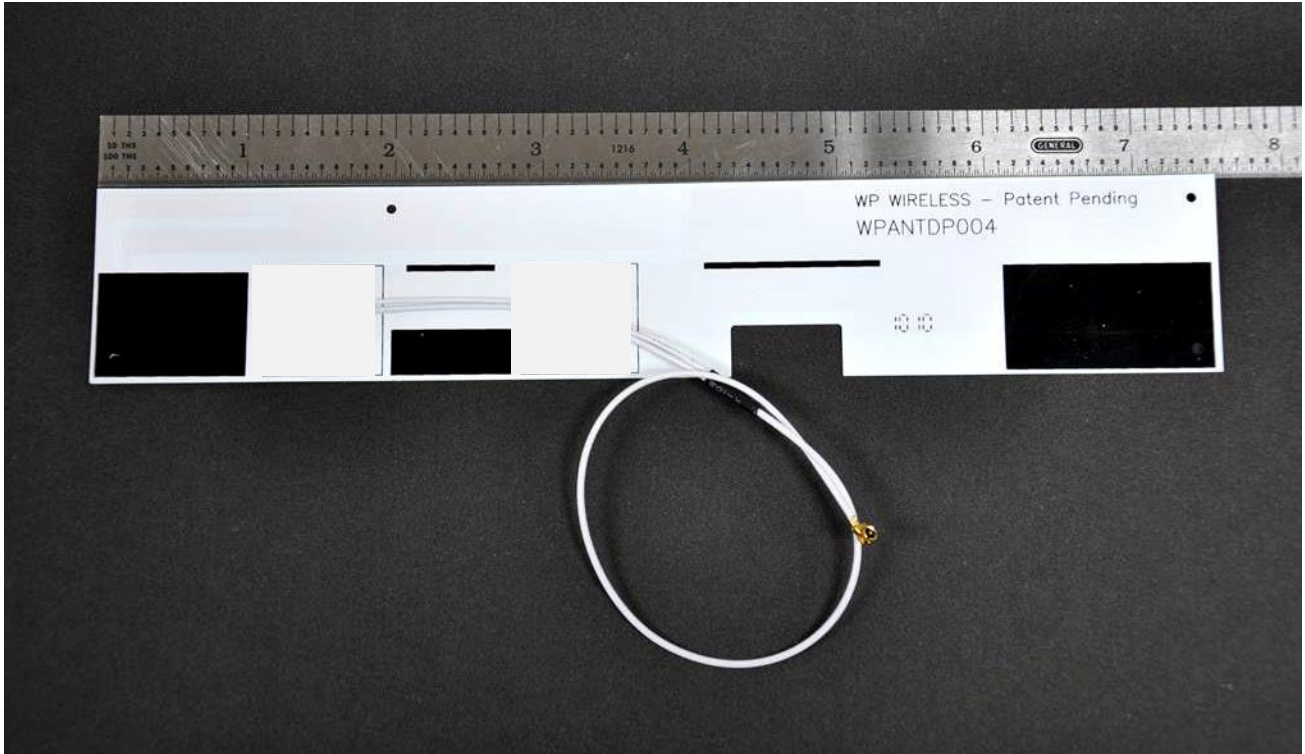
Operating Frequency	450 – 470 MHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR – Typical*	< 2:1
Peak Gain [dBi] (Typical)*	-2 to -1.5 dBi
Efficiency [%] (Typical)*	30 – 40 %
Polarization	Linear
Pattern	Near Omni-directional

*Note: The above mentioned relevant performance metrics are recorded with the Antenna placed on a particular L&G meter. Any modifications with regards to the application/use of this antenna (as defined in this specification) may change antenna performance characteristics. Performance will also vary based on the placement positions of the Antenna in the meter.

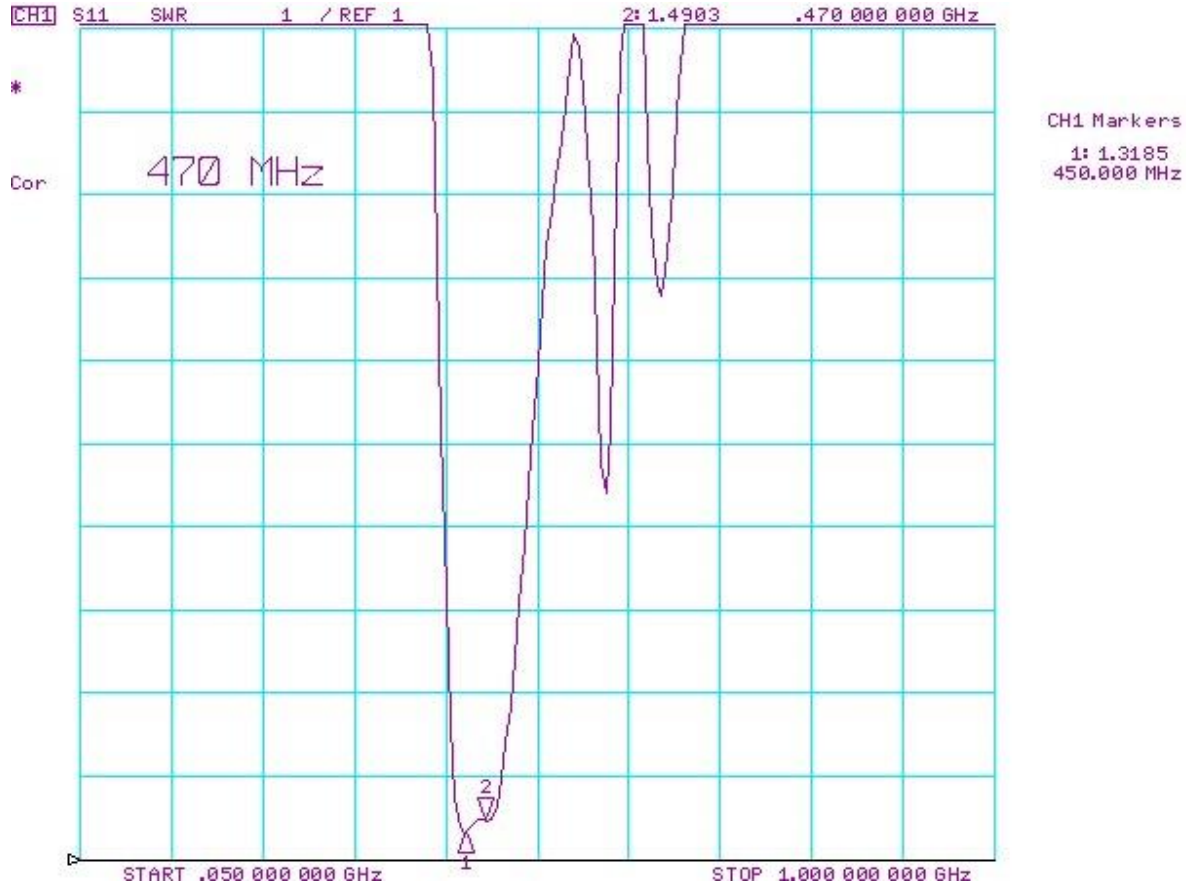
Mechanical / Environmental Properties

Antenna Dimensions	7.5" X 1.3" X 10mils (191mm X 34mm X 0.25mm)
Antenna Color	White
Cable	7.2" long (from the edge of the PCB) 1.32mm dia Micro Co-ax
Connector	IPX / Hirose equivalent
Operating / Storage Temperature	-40°C to +90°C
UV Tolerance	100% UV Resistant
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna (by itself and as installed on a typical Electric Utility Meter)



VSWR of the Antenna



3D Radiation Pattern of the Antenna (as installed on a L&G meter)

