

WPANT10009

3G Cellular & ISM band Miniature Antenna



<u>WPANT10009-S1C</u>	8" micro co-ax with IPX MHF connector
<u>WPANT10009-S2B</u>	10" micro co-ax with RA MMCX male
<u>WPANT10009-S3A</u>	6.7" micro co-ax with IPX MHF connector
<u>WPANT10009-S4A</u>	5" micro co-ax with IPX MHF connector
<u>WPANT10009-S5A</u>	5" micro co-ax with RA MMCX male

Note: Different cable and connector style requests can be accommodated.

Application

This plug and play compact antenna is a very convenient solution to transmit or receive cellular / ISM signals. This antenna can also be mounted on metallic surfaces with little sacrifice in performance.

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	1710 – 2170 MHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR (Typical)	< 2:1	< 2.5:1
Peak Gain [dBi] (Typical)	2 dBi	3 dBi
Efficiency [%] (Typical)	65%	60%
Polarization	Linear	Linear
Pattern	Near Omni Directional	Near Omni Directional

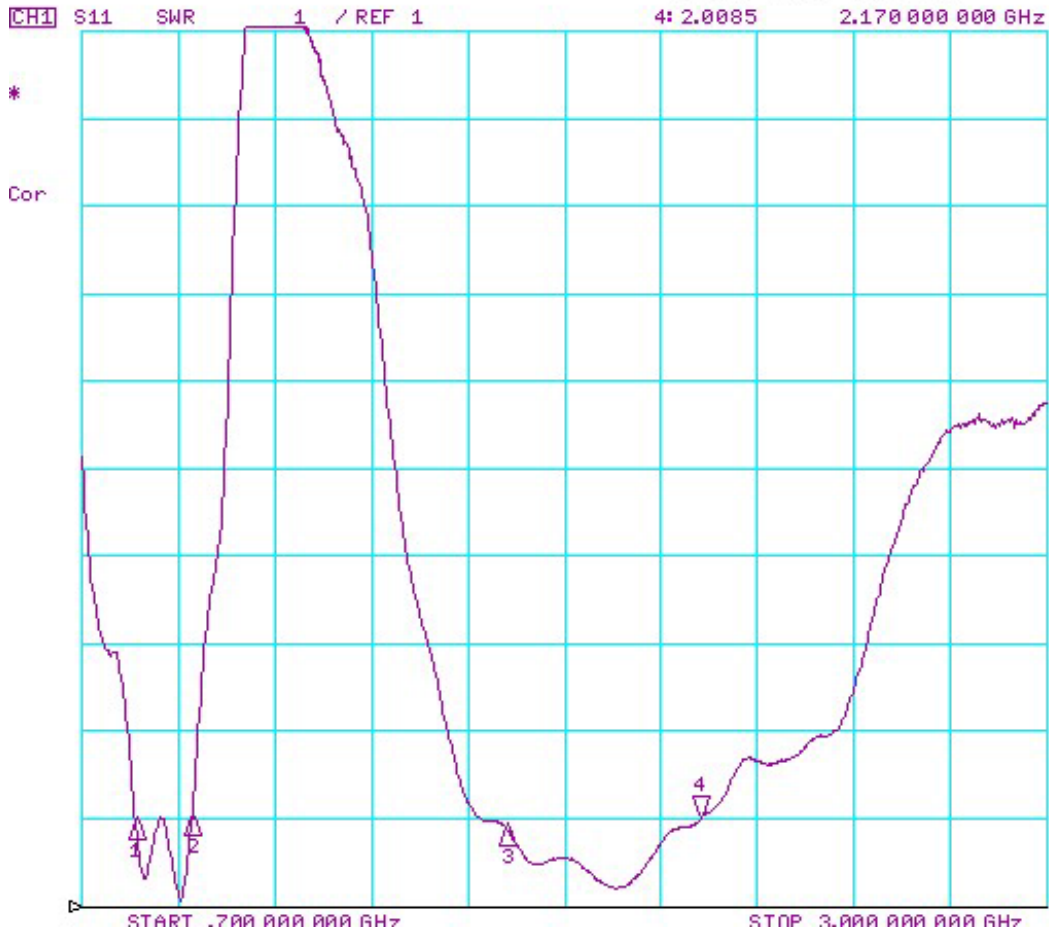
Mechanical / Environmental Properties

Antenna Dimensions	1.7" x 0.8" x 0.25" (Including 3M tape thickness)
Antenna Color	Black
Tape	30 mils 3M VHB double stick
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures



VSWR



CH1 Markers

- 1: 2.0221
824.000 MHz
- 2: 2.0703
960.000 MHz
- 3: 1.8847
1.71000 GHz