

## WPANT10123-S1B-01A

### 915 MHz ISM Flex Antenna



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

### Application

Flexible tape mounted 915 MHz antenna with an integrated cable/connector assembly. Designed to be mounted on a non-metallic surface.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist in troubleshooting system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	902 - 928 MHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$
<b>VSWR (Typical)*</b>	< 2:1
<b>Peak Gain [dBi] (Typical)*</b>	+2.1 dBi
<b>Efficiency [%] (Typical)*</b>	65 %
<b>Polarization</b>	Linear
<b>Pattern</b>	Omni-directional

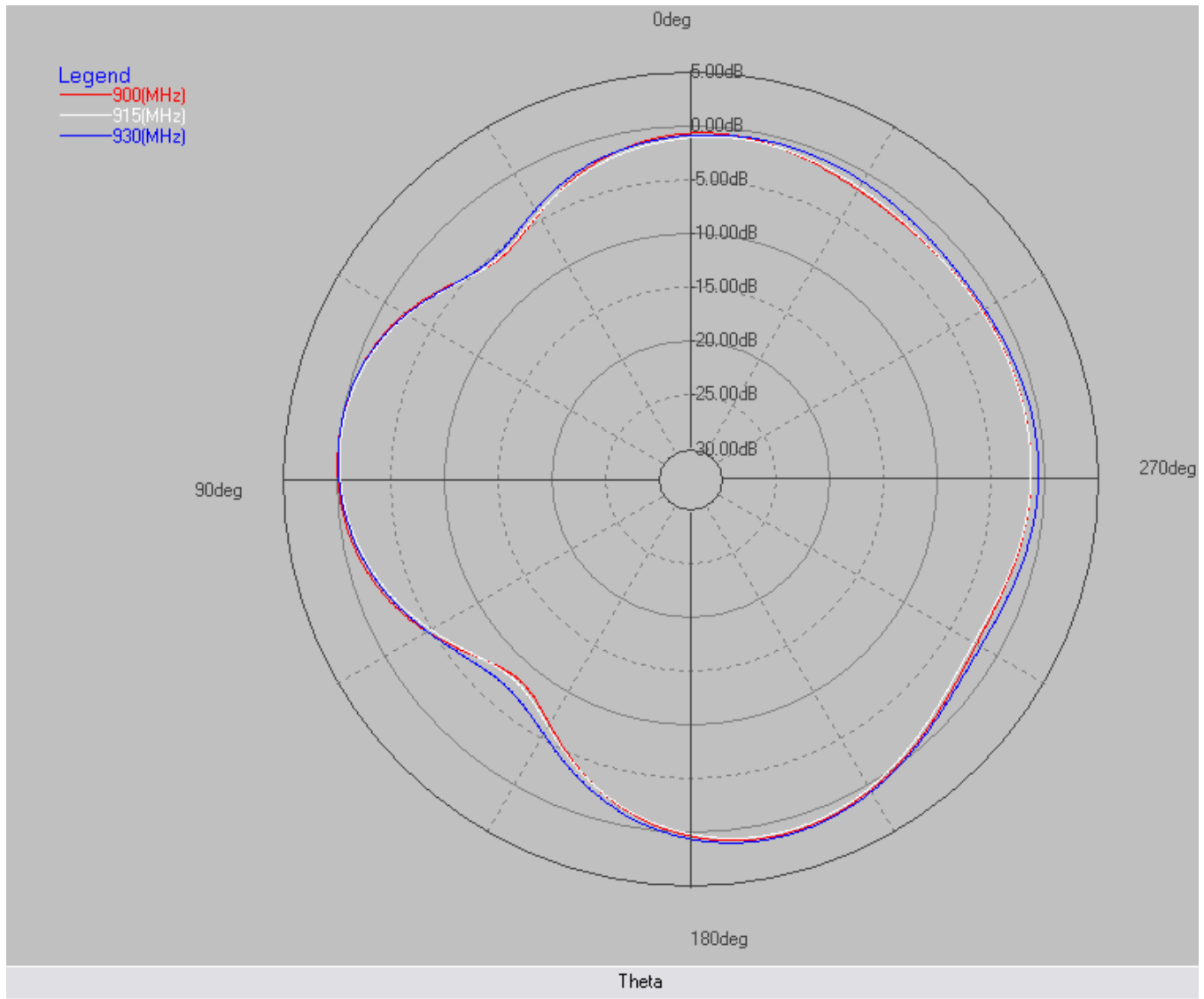
**\*Note:** These performance metrics will vary depending on the position of the antenna within a given wireless device, and the antenna integration optimization.

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	4.64" x 0.51" x 0.005" (118mm x 13mm x 0.127mm)
<b>Antenna Color</b>	Black
<b>Cable</b>	1.13mm coax cable
<b>Cable length</b>	95 mm
<b>Connector</b>	IPX/MHF
<b>Adhesive Backing</b>	3M 300LSE or equivalent
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

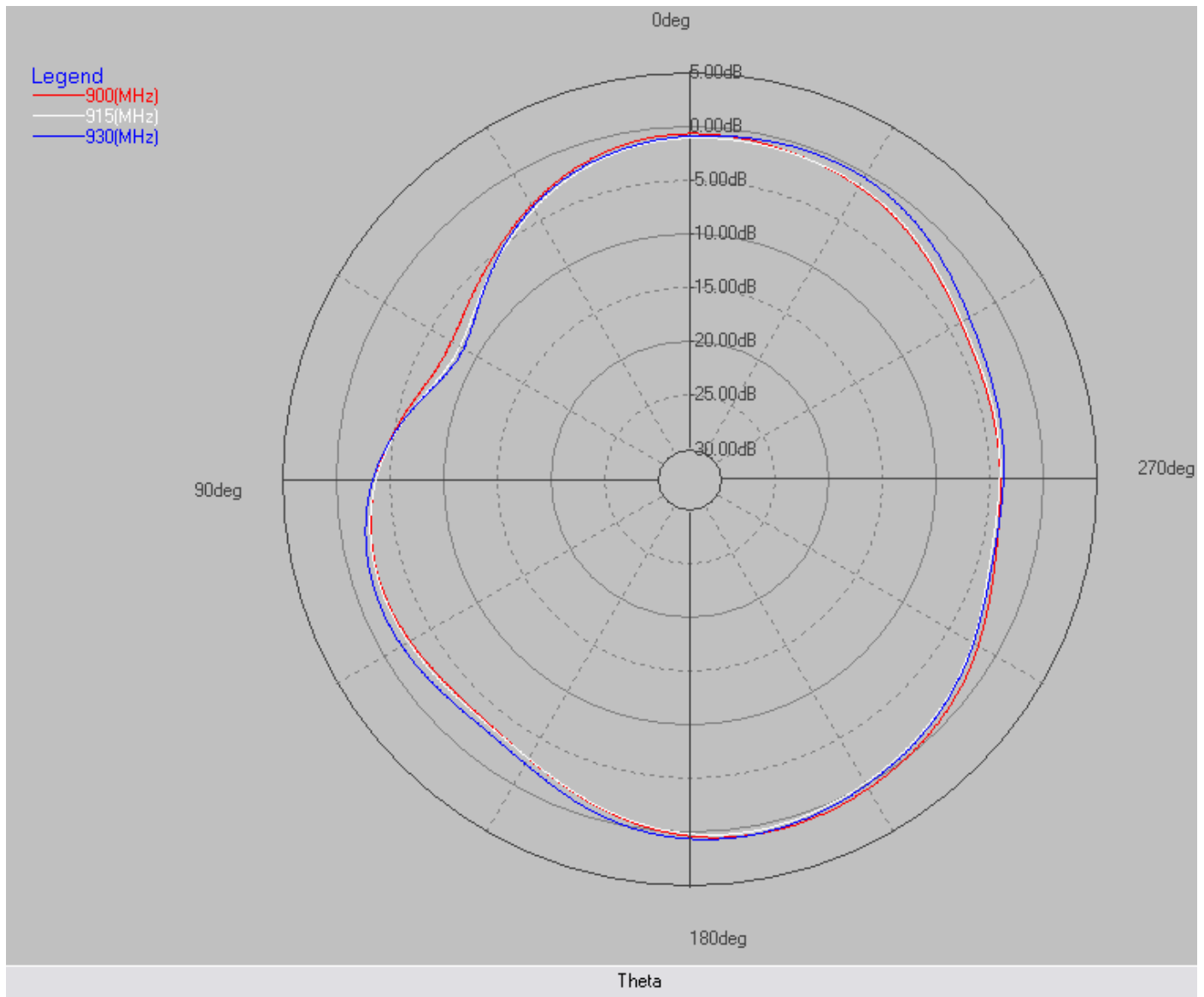
## Patterns

### Elevation 1



## Patterns

### Elevation 2



## Patterns

### Azimuth

