

## WPANT10144-S2A

### 915 MHz FPC Antenna



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

### Application

915 MHz ISM band FPC antenna for internal embedded applications.

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>	<b>902 - 928 MHz</b>
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$
<b>VSWR (Typical)*</b>	< 2:1
<b>Peak Gain [dBi] (Typical)*</b>	-1 dBi
<b>Efficiency [%] (Typical)*</b>	60%
<b>Polarization</b>	Linear
<b>Pattern</b>	Omni-directional

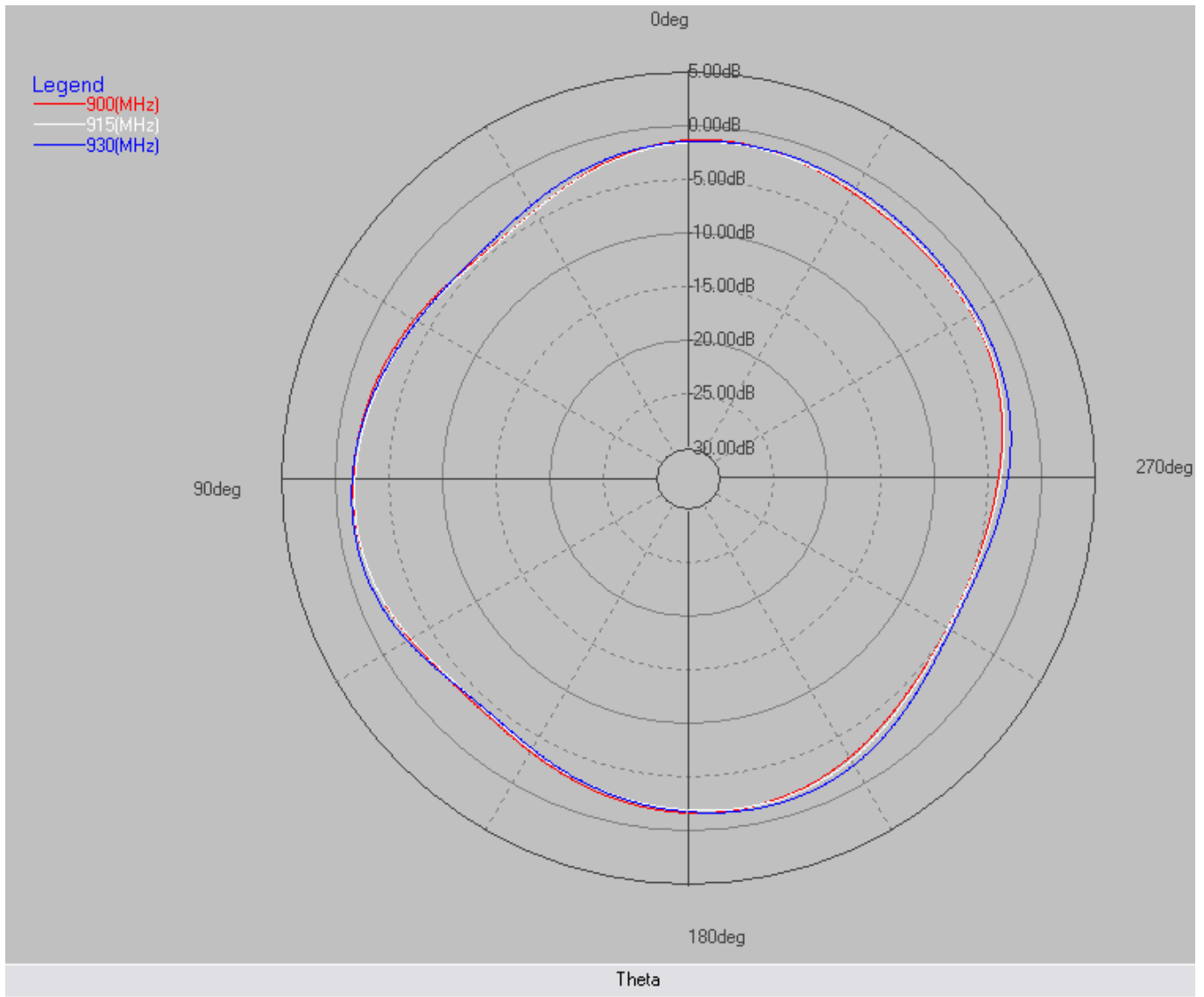
**\*Note:** These performance metrics will vary depending on the position of the antenna within a given wireless device, and the antenna integration optimization.

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	3.2" L x 0.4" W x 0.005" T* (81mm x 10 mm x 0.127 mm)
<b>Antenna Color</b>	Black
<b>Cable</b>	1.13 coax
<b>Cable length</b>	95 mm
<b>Connector</b>	IPX MHF
<b>Material</b>	5 mils FPC
<b>Adhesive</b>	3M 300 LSE tape
<b>Operating / Storage Temperature</b>	-40°C to +125°C
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

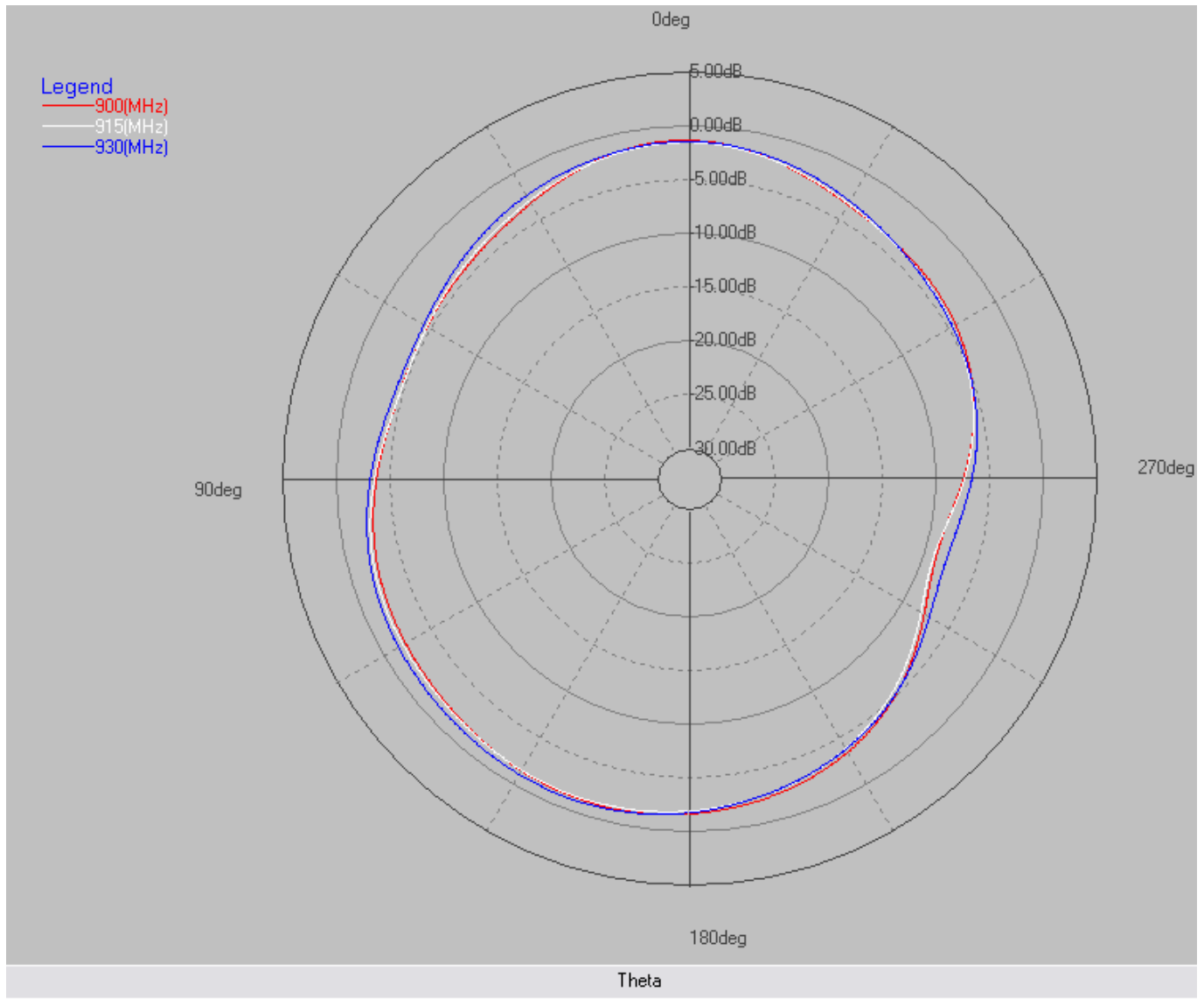
## Patterns

### Elevation 1



## Patterns

### Elevation 2



## Patterns

### Azimuth

