

## WPANT40144-S3A

### 450-470 MHz PCB Antenna

World Products Inc.  
WPANT40144-S3A

460 MHz

Date Code



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

### Application

This is a 450-470 MHz rigid PCB antenna.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further help to troubleshoot system integration issues such as TRP/TIS and FCC requirements.

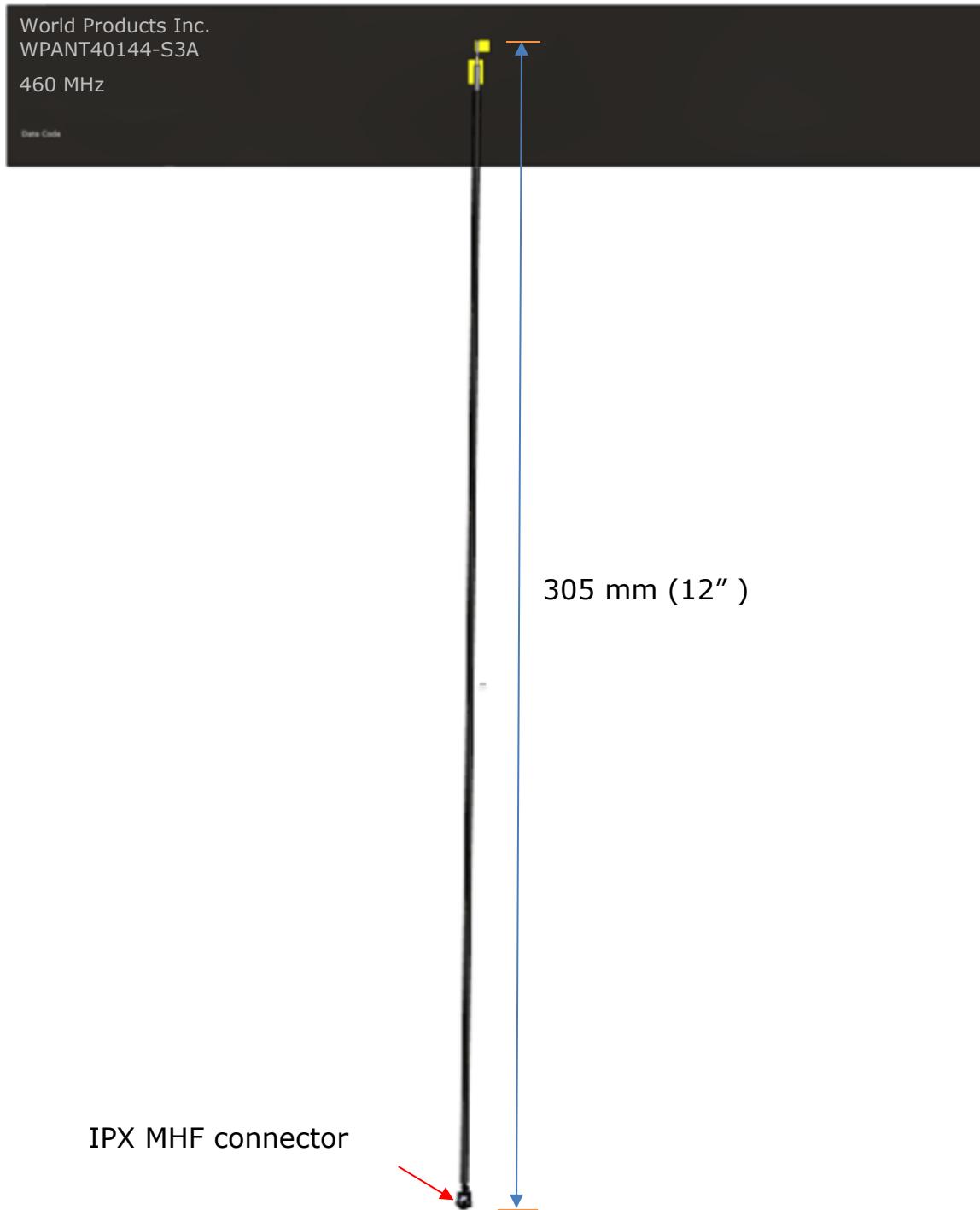
### Electrical Properties

<b>Operating Frequency</b>	450 – 470 MHz
<b>Approximate Antenna Impedance [Ω]</b>	50Ω
<b>VSWR (Typical)</b>	< 3:1
<b>Peak Gain</b>	+1 dBi
<b>Polarization</b>	Linear
<b>Pattern</b>	Near Omni-directional

### Mechanical / Environmental Properties

<b>Antenna Dimensions**</b>	6.10" L x 0.98" W x 0.055" T* (155mm x 25mm x 1.4mm) <small>*Thickness includes VHB tape</small>
<b>Antenna Color</b>	Black
<b>Material</b>	31 mils FR406 (single sided copper)
<b>Cable</b>	1.13 mm dia coax
<b>Cable length (total)</b>	305 mm (12")
<b>Connector Terminal</b>	IPX MHF
<b>Bottom Adhesive</b>	3M 4930 VHB tape
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>UV Tolerance</b>	100% UV Resistant
<b>Environmental</b>	Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

Pictures (Antenna by itself)



*Note: These pictures are for demonstration purpose only*