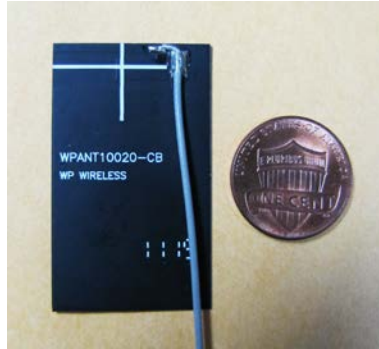


## WPANT10020-CB

### Dual-band Wi-Fi / BT / Zigbee Antenna



### Description / Application

This dual-band Wi-Fi antenna has a very thin & compact structure, and can easily be installed inside any wireless device with its self-adhesive double stick tape on the back. Good efficiency and ease of integration make this an ideal choice for applications where flexibility is needed. This antenna works very efficiently on any non-metallic surface.

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](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

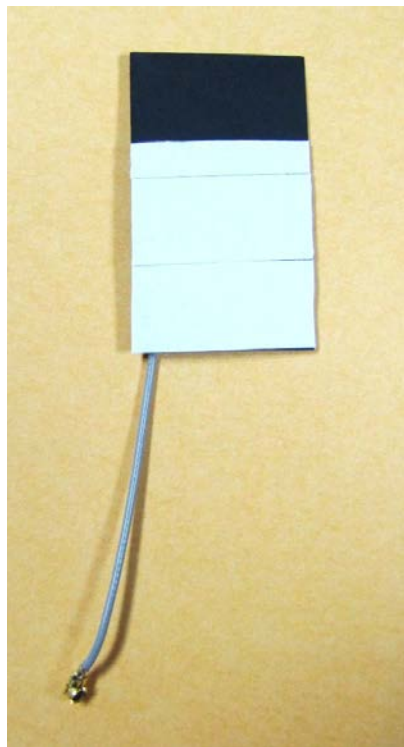
<b>Operating Frequency*</b>	2.4 – 2.5 GHz	5.1 – 5.85 GHz
<b>Approximate Antenna Impedance [Ω]</b>	50Ω	50Ω
<b>VSWR – Typical*</b>	< 2:1	< 3:1
<b>Peak Gain [dBi] (Typical)*</b>	4.5 to 5 dBi	2 to 4.5 dBi
<b>Efficiency [%] (Typical)*</b>	55 – 80 %	50 – 80 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni-directional	Near 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.

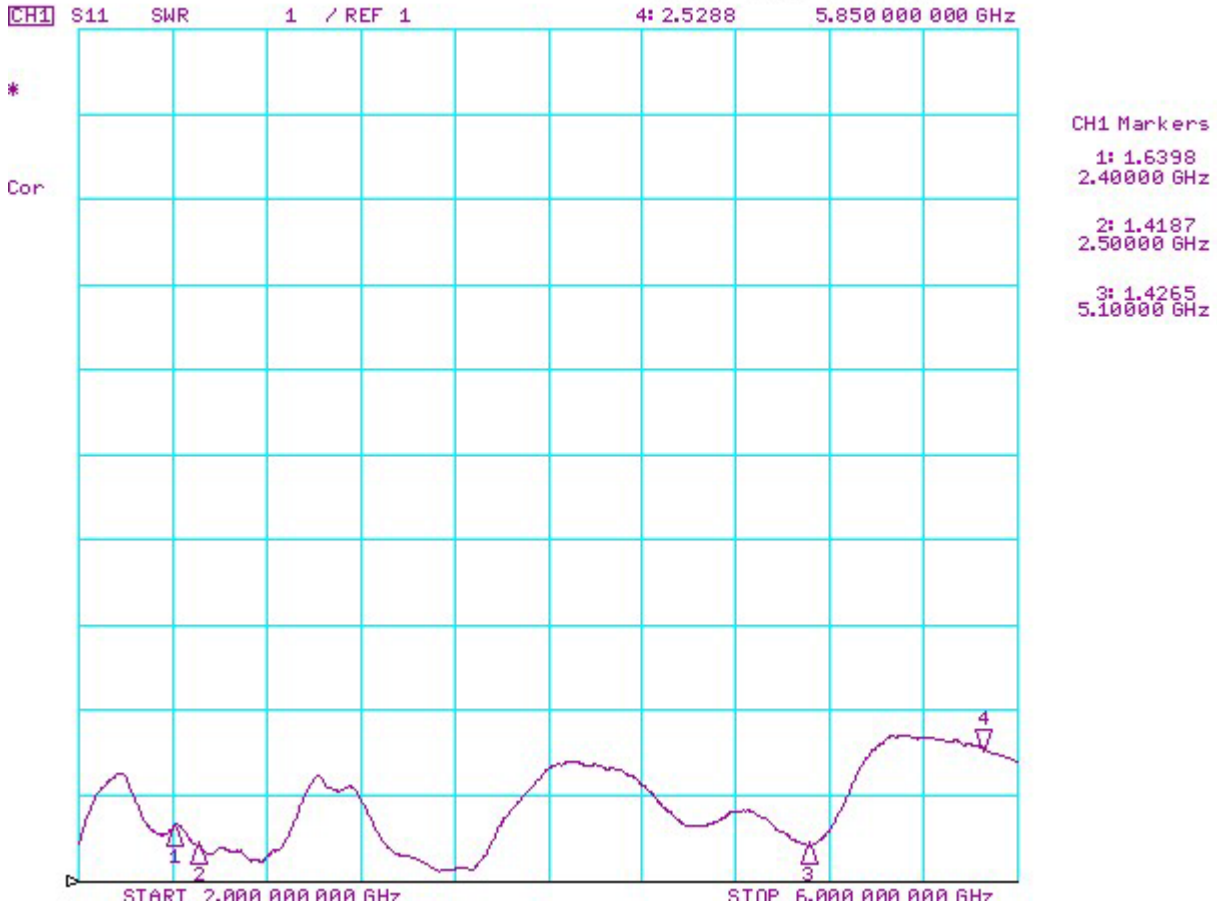
### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	1.6" X 0.25" X 0.010" (40.5mm X 24mm X 0.25mm)
<b>Antenna Color</b>	Black
<b>Cable</b>	3.5" long 1.13mm OD Micro Co-ax
<b>Connector</b>	IPX / Hirose 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

## Pictures of the Antenna



**VSWR of the Antenna**



**\*Note:** These performance metrics will vary depending on the position of the antenna within a given wireless device, and the antenna integration optimization. This particular graph was recorded when the antenna was installed in a particular wireless device.