

WPANT10019

Dual-band Wi-Fi / BT / Zigbee Antenna



WPANT10019-C1D

6" micro co-ax with IPX MHF

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

Application

This dual-band Wi-Fi antenna can easily be installed inside any wireless device with its self-adhesive double stick tape on the back.

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 | 2.4 – 2.5 GHz | 4.9 – 5.85 GHz |
| Approximate Antenna Impedance [Ω]* | 50 Ω | 50 Ω |
| VSWR (Typical)* | < 2:1 | < 2.5:1 |
| Peak Gain [dBi] (Typical)* | 3 dBi | 4 dBi |
| Efficiency [%] (Typical)* | 70 % | 70 % |
| Polarization | Linear | Linear |
| Pattern | 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.

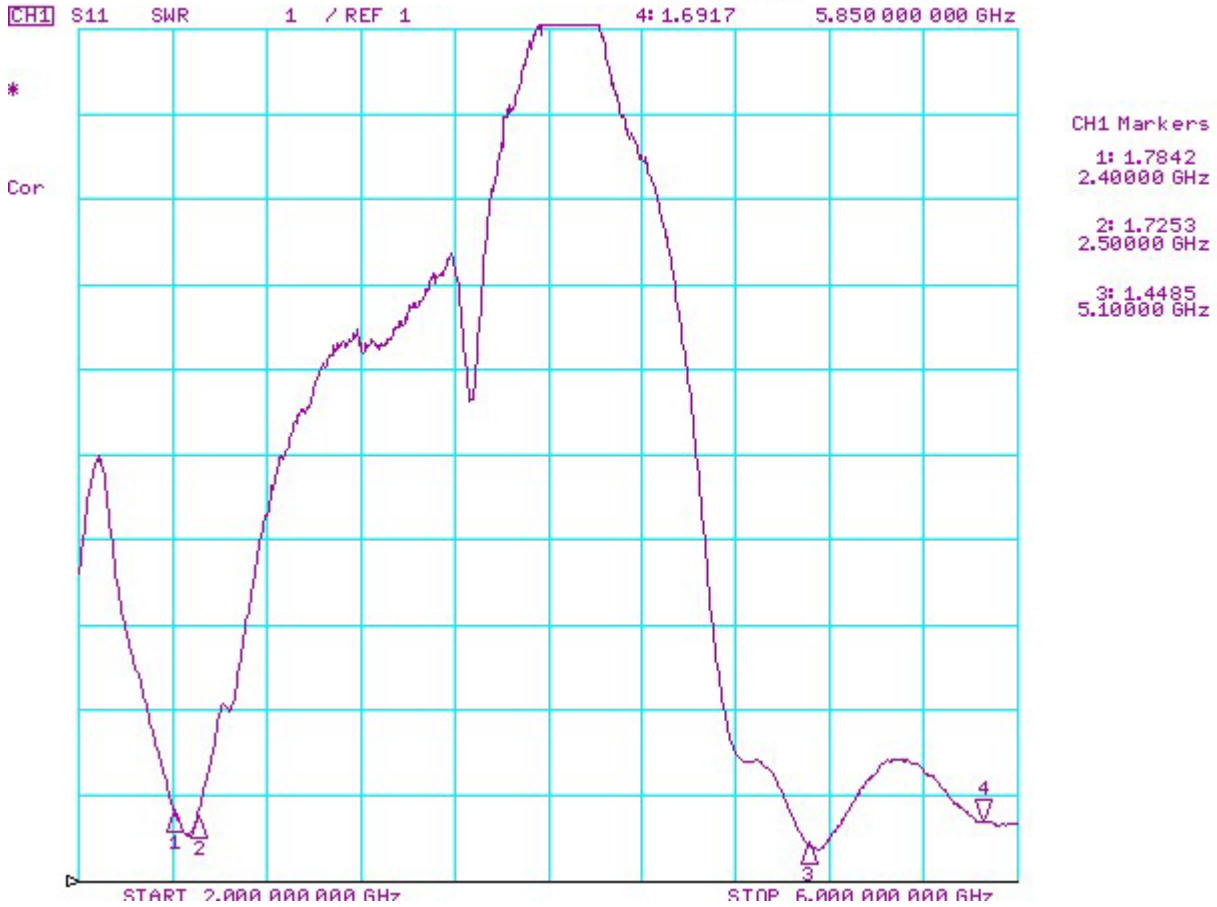
Mechanical / Environmental Properties

| | |
|--|--|
| Antenna Dimensions | 1.4" x 1.43" x 0.010" (35mm x 36.4mm x 0.25mm) |
| Antenna Color | Black |
| Tape | 25 mils thick 3M 4930 VHB |
| Operating / Storage Temperature | -40°C to +125°C |
| Environmental | Meets standards for UL 94V-0 |
| Hazardous Materials | RoHS Compliant |

Pictures



VSWR



*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.