

## MicroBlue

### Internal Wireless Device Antenna

Part Number (P/N):

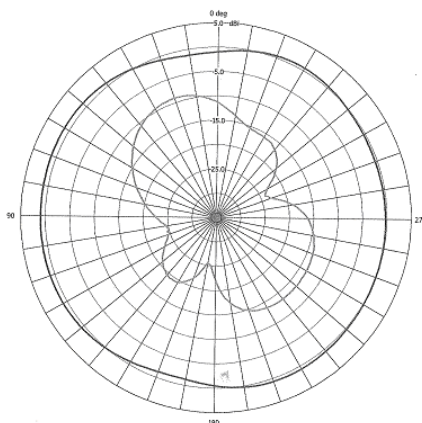
**CAF94131**

### Features:

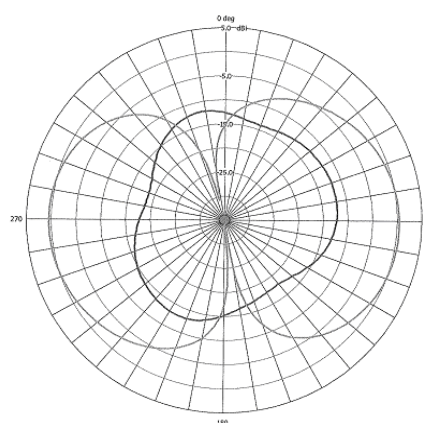
- Versatile and easy to use antenna for 2.4 to 2.5 GHz Bluetooth and IEEE 802.11 devices
- Designed for easy connection to radio cards
- Utilizes Centurion's patented PCB Microsphere technology
- Has a ground plane incorporated into the resonator structure, therefore no additional ground plane is required to radiate efficiently

### Specifications:

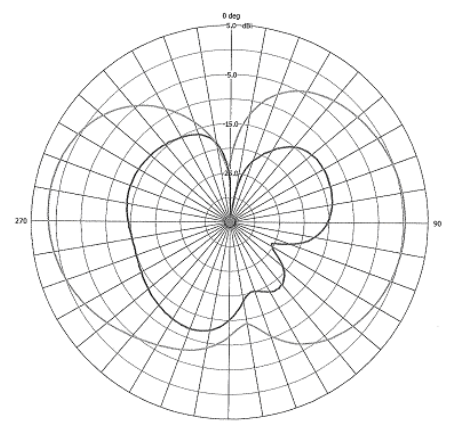
|                                |                                                                                                      |         |
|--------------------------------|------------------------------------------------------------------------------------------------------|---------|
| <b>Frequency Range</b>         | 2.4 – 2.5 GHz                                                                                        |         |
| <b>Polarization</b>            | Linear                                                                                               |         |
| <b>Peak Gain</b>               | 1.5 dBi                                                                                              |         |
| <b>Average Gain</b>            | >0 dBi                                                                                               |         |
| <b>Nominal Impedance</b>       | 50 ohms                                                                                              |         |
| <b>VSWR (Min. Performance)</b> | 2.4 - 2.5 GHz                                                                                        | < 1.8:1 |
|                                | > 600 MHz                                                                                            | 2.0:1   |
| <b>Temperature Range</b>       | -40° to +85°C                                                                                        |         |
| <b>Vibration</b>               | 6G RMS (9.04g2/Hz) for 15 minutes each in vertical and horizontal. No appearance or functional axis. |         |
| <b>Thermal Shock</b>           | Change after 4 repeated cycles of 1 hr. at +85°C and 1 hr. at -40°C. Transfer time is 5 min.         |         |
| <b>Dimensions (L x W x T)</b>  | 1.88" x .89" x .032"                                                                                 |         |
| <b>Standard Cable</b>          | 8" Brown RG-178 Coax                                                                                 |         |
| <b>Standard Connector</b>      | R. A. MMCX Plug                                                                                      |         |



**Azimuth Plane  
2450 MHz**



**Elevation Plane, Phi = 0  
2450 MHz**



**Elevation Plane, Phi = 90  
2450 MHz**

Specifications subject to change without notice

MicroBlue – 10/28/02