

## 2400 MHz Microsphere

### Omnidirectional Antenna

Part Number (P/N):

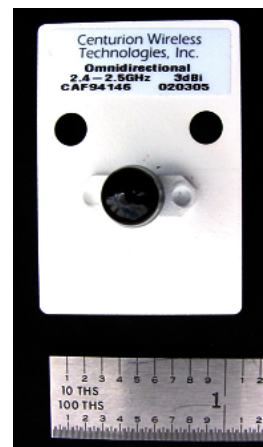
**CAF94146**

### Features:

- Surprisingly small size allows it to be hidden almost anywhere, providing an invisible solution for many in-building applications.
- The omnidirectional pattern is suited to a variety of uses including in-building systems or other applications where mobility is a factor.
- The field pattern is toroidal, providing omnidirectional coverage in any plane around the long axis of the antenna, and two lobes in any plane parallel to the long axis.

### Specifications:

|                                 |                |
|---------------------------------|----------------|
| <b>Element Type</b>             | Microstrip     |
| <b>Frequency Range</b>          | 2400-2500 MHz  |
| <b>Peak Gain</b>                | 3 dBi          |
| <b>Polarization</b>             | Linear         |
| <b>Azimuth 3dB Beamwidth</b>    | 360°           |
| <b>Elevation 3dB Beamwidth</b>  | 80°            |
| <b>Impedance</b>                | 50 ohms        |
| <b>Maximum Input Power</b>      | 50 watts       |
| <b>VSWR (Min. Performance)</b>  | 1.5:1          |
| <b>Connector</b>                | SMA Female     |
| <b>Dimensions (cm)</b>          | 4.6 x 3 x 0.25 |
| <b>Housing Coating Material</b> | Acrylic        |
| <b>Operating Temperature</b>    | -40° to +70°C  |
| <b>Storage Temperature</b>      | -40° to +70°C  |



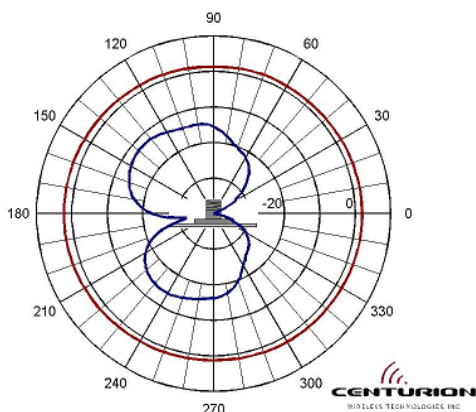
**Back View**



**Front View**

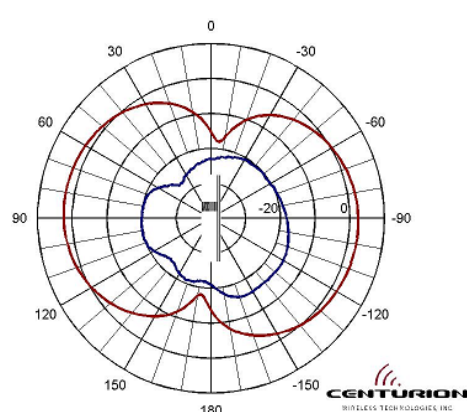


**Integrated into a laptop computer**



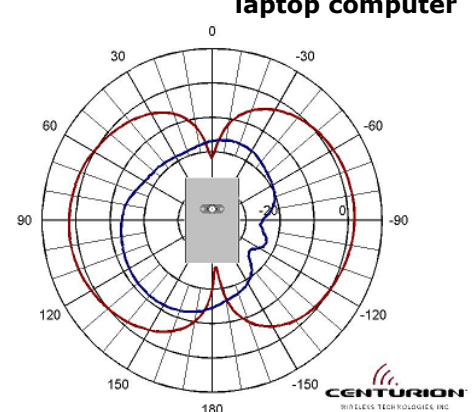
#### Azimuth Plane

Cut perpendicular to the antenna, parallel to the connector/cable exit, perpendicular to the polarization



#### Elevation Plane

Cut perpendicular to the antenna, parallel to the connector/cable exit, parallel to the polarization axis



#### Omni Plane

Cut in the plane of the antenna perpendicular to the connector/cable exit

Specifications subject to change without notice

2400 MHz Microsphere – 8/23/02