

## 2400 MHz Microsphere

### Omnidirectional Antenna

Part Number (P/N):

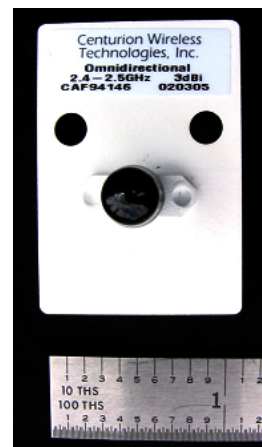
**CAF94146**

### 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



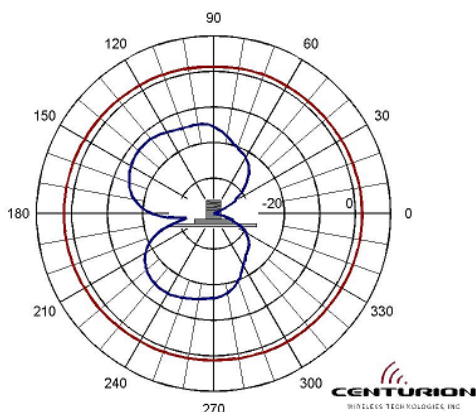
**Back View**



**Front View**

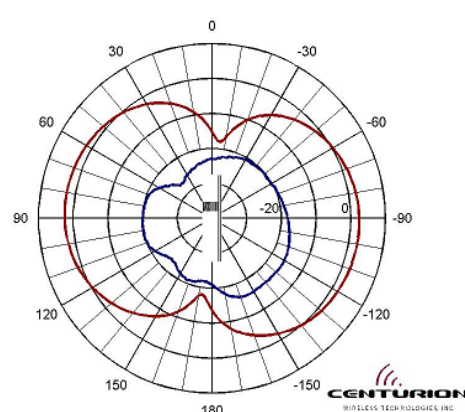


**Integrated into a laptop computer**



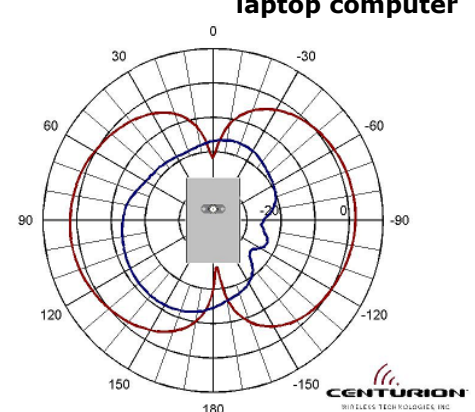
#### Azimuth Plane

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