



CM Series mounted on ceiling

## Ceiling Mount Omni (Pat.Pnd.) For Single & Dual Band WiFi

- Antennas provide uniform omni coverage for indoor use
- Models available for WiFi, Bluetooth and 802.11a/b/g applications
- Mounting kit includes all hardware needed
- Unique design provides high performance at an economical price

Mobile Mark's line of Ceiling Mount omnidirectional antennas are perfect for next generation wireless inbuilding applications including WiFi, Telemetry, and Hotspot. They have features that make them invaluable, solving many of the problems normally associated with these higher frequencies.

These antennas use a design that incorporates a quarter-wave on a groundplane which enhances the peak lobes of these antennas. This unique design provides significant improvements in efficiency while being very economical. These antennas maintain an omni pattern in the horizontal plane while VSWR performance is maintained across the operating bandwidth. A dual band (2.4 & 5.5 GHz) model provides operation on the two popular bands simultaneously (1 coax feed for both bands).

The CM Series antennas have a very low profile that add to their attractive appearance; only 3.5 inches diameter (89 mm), and less than 1 1/2" high (38 mm).

The antennas mount to any ceiling that allows the cable to be routed above; dropped ceilings are perfect for this type of install. The antennas come complete with all the necessary hardware required for installation; including a hole template and 3 each of mounting screws and wall anchors.

The antenna is provided with a white ABS radome and 6 inches (152 mm) of RF-195 cable and SMA-male connector. For ISM, Part 15 compliant connectors are available (reverse polarized), please consult factory.

### Model Numbers

Model	Freq.	Applications
CM2-2400	2.4-2.5 GHz	802.11b/g, WiFi, ISM
CM2-5500	5-6 GHz	802.11a, U-NII, ISM
CM2-2400/5500	2.4-2.5 GHz & 5 - 6 GHz	802.11a/b/g WiFi

For special frequencies or configuration, please consult factory for latest information.

### Specifications

<b>Frequency:</b>	See above	<b>Dimensions:</b>	3.5"D x 1.5"H (89 mm x 38 mm)
<b>Gain:</b>		<b>Weight:</b>	1.0 lbs (0.5 kg)
CM2-2400	2.5 dBi	<b>Mounting:</b>	Ceiling Mount; hardware included
CM2-5500	2.5 dBi	<b>Termination:</b>	6" RF-195 (152 mm), Male SMA
CM2-2400/5500	2.5 dBi	<b>Options:</b>	Part 15 Reverse Connectors
<b>Bandwidth @2:1 SWR:</b>	see freq range		
<b>Nominal Impedance:</b>	50 ohms		
<b>Max. Power (continuous):</b>	5 watts		
<b>Beamwidth (-3dB point):</b>	70 degrees		
<b>Operating Temp:</b>	-40° to +85° C		
<b>Radome Material:</b>	ABS		
			For special configurations, please consult factory

# CM3-5500 Antenna

Broadband Ceiling Mount Omni Antenna

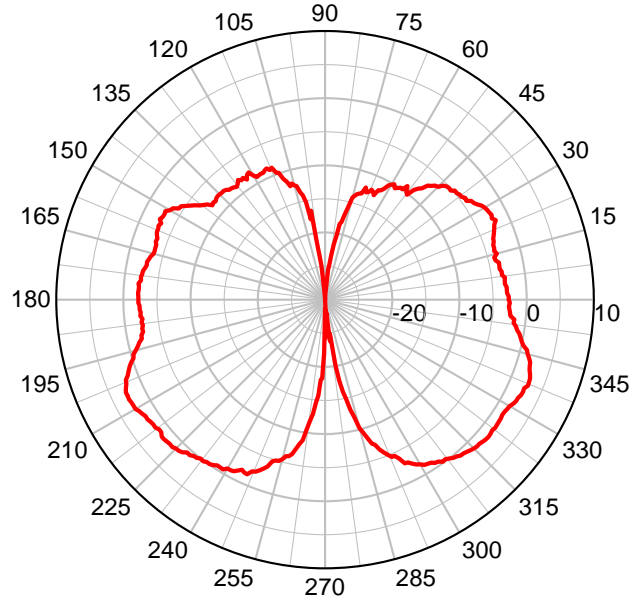
3 dBi, 5 - 6 GHz

These plots can be used for the following models:

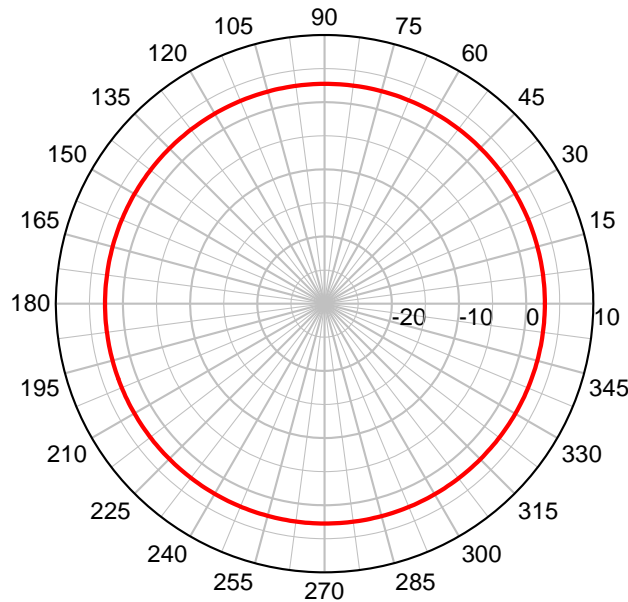
**CM3-5500**

**Note:** Radiation pattern looking downward.

CM3-5500 – Elevation Plot



CM3-5500 – Azimuth Plot



Note: Azimuth Plot is at an elevation angle of 337° for the coordinate system shown above.