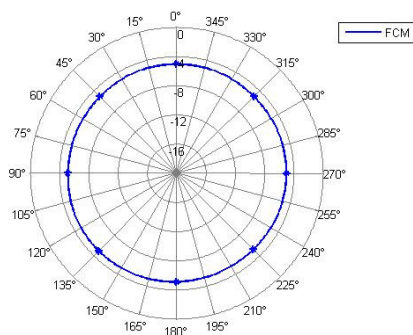


FRACTAL FCM-VHF-xx SERIES ANTENNA



- Ceiling Mount
- Unobtrusive Appearance
- No Ground Plane Required
- VHF Omni-directional
- *"The best performance in a small volume"*

The Fractal FCM-VHF-xx (FCM-VHF-01 shown) antennas, utilizing our unique fractal and metafractal™ design is ideal for public service in-building installation. Offering performance that far exceeds any competitive antennas of even much larger sizes, this antenna provides the system designer reliable, seamless in-building coverage with many fewer antennas, saving purchase, installation and maintenance cost as well as offering an esthetically pleasing look. Both lightweight and easily mountable this antenna is the ideal solution for in-building or mobile VHF-HB applications.



Azimuthal Plot at Horizon

Commercially Available Versions

- FCM-VHF-01 - indoor single band (160-175 MHz)
- FCM-VHF-02 - indoor dual band (160-175 MHz PLUS 800 MHz)
- FCM-VHF-03 - outdoor single band (160-175 MHz)
- FCM-VHF-04 - outdoor dual band (160-175 MHz PLUS 800 MHz)

US Patents 6452553; 7256751; 7750856 and pat. pending
© 2010 Fractal Antenna Systems, Inc.

130 Third Avenue Waltham, MA 02451 USA
781-275-2300 x09 Contact: Jane Winter

Specifications

Frequency	160-175 MHz (plus 800 MHz in FCM-VHF 02 & 04 versions)
Power Pattern	Omni
Power	Up to 75 Watts continuous
Polarization	Multi-polarized
SWR	<3:1 at feed
Gain	-7 dBi nominal; excellent elevation coverage
Weight	Approx 24 ounces indoor, 40 ounces outdoor
Size	<5.75" in height, <4.5 inches in diameter
Mounting	3 or 4-hole bottom integrated plate or center threaded tube. Special mounting per quote
Radome	Standard – off white (shown) and navy grey. Custom color upon request