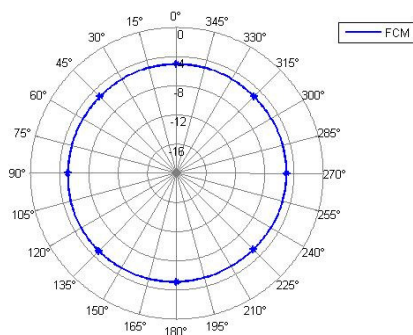


## The FCM-VHF - Omnidirectional VHF antenna



- **Ceiling Mount**
- **VHF Omni-directional**
- **Unobtrusive Appearance**
- **No Ground Plane Required**
- **Indoor & outdoor available**

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 & 800 MHz)
- FCM-VHF-03 - outdoor single band (160-175 MHz)
- FCM-VHF-04 - outdoor dual band (160-175 MHz & 800 MHz)

US Patents 6452553; 7256751; 7750856 and pat. pending  
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Contact: [sales@fractenna.com](mailto:sales@fractenna.com)

### 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                   |