



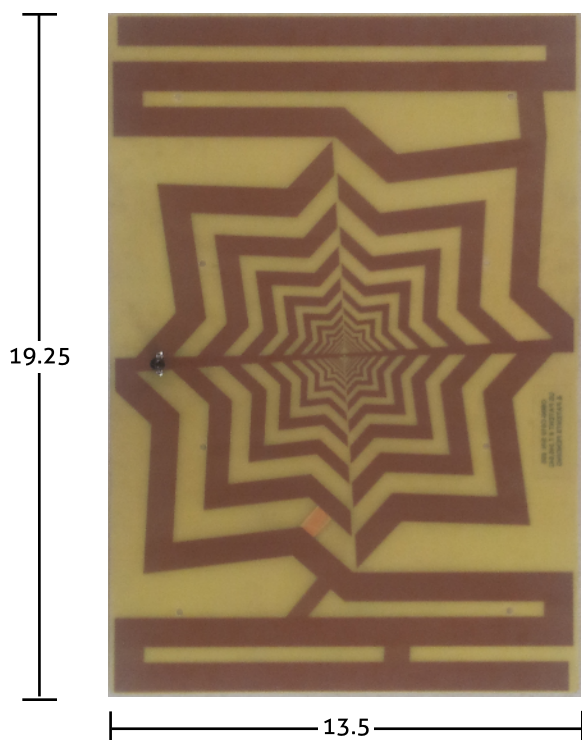
Wideband Fractal Antenna

Version: 3.0

150 - 6000 MHz

Product Code: OMNI-C010

Specifications:



Electrical	
Frequency Range	150 MHz to 6 GHz
VSWR	< 3:1 typical
Nominal Impedance	50 Ω
Connector	SMA jack (female)
Power handling	10 W
Antenna Gain	5 dBi, max on boresight
Power pattern	Omnidirectional
Polarization	Linear (E along long axis)
Mechanical	
Dimensions	19.25 x 13.5 x .062 inches
Weight	17 ounces
Environmental	
Temperature range	-30 to +70 °C

Product Description:

Less than $\frac{1}{4}$ of a wavelength in size at 150 MHz, the OMNI-C010 is a wideband fractal antenna packing a 40:1 frequency range into a small panel. Frequency independent, with on boresight gains from 1.5 to 5 dBi, the antenna possesses linear polarization and has an SMA female bulkhead jack for signal connection. Designed for receive-only use, yet it can handle up to 10 watts of power for transmit. Mounting holes are provided to allow its thin circuit board to be placed into an enclosure of your choice.

Radomed version, OMNI-C010-01 available (MOQ applies)

Features:

- Compact panel antenna
- Low-VHF through C-band
- Great peak boresight gains
- Good low frequency performance

Applications:

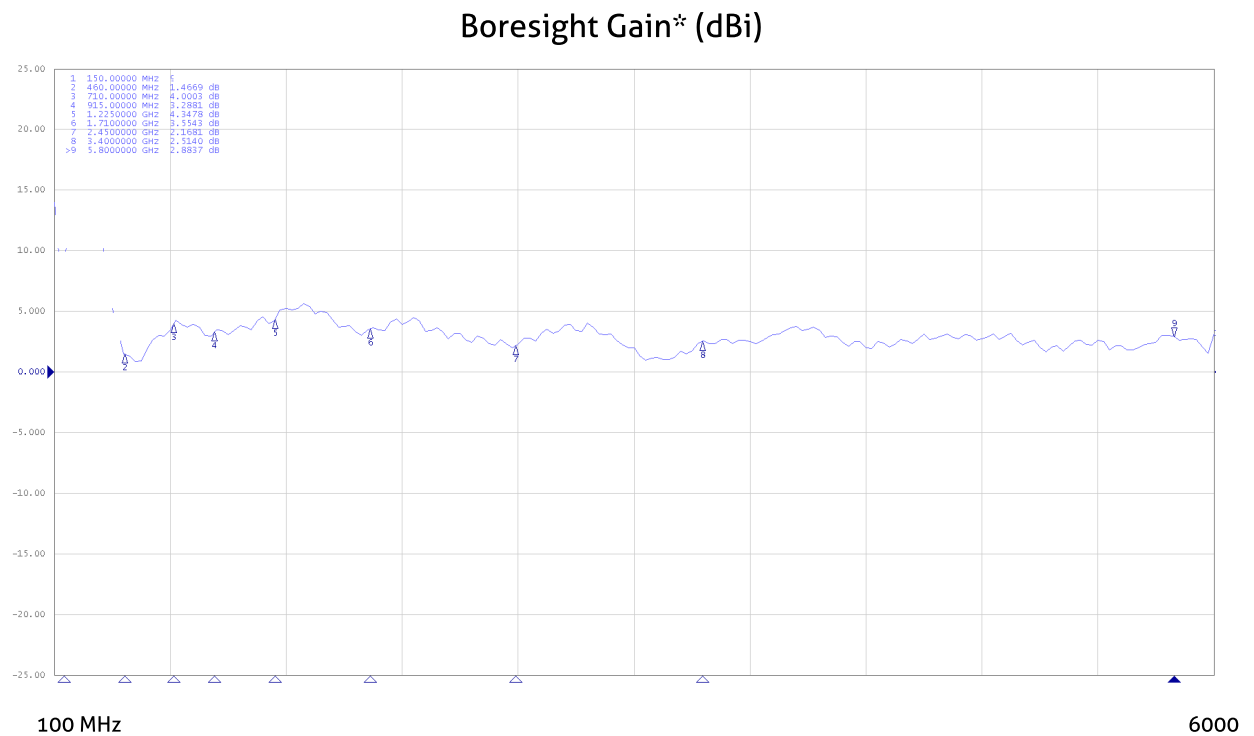
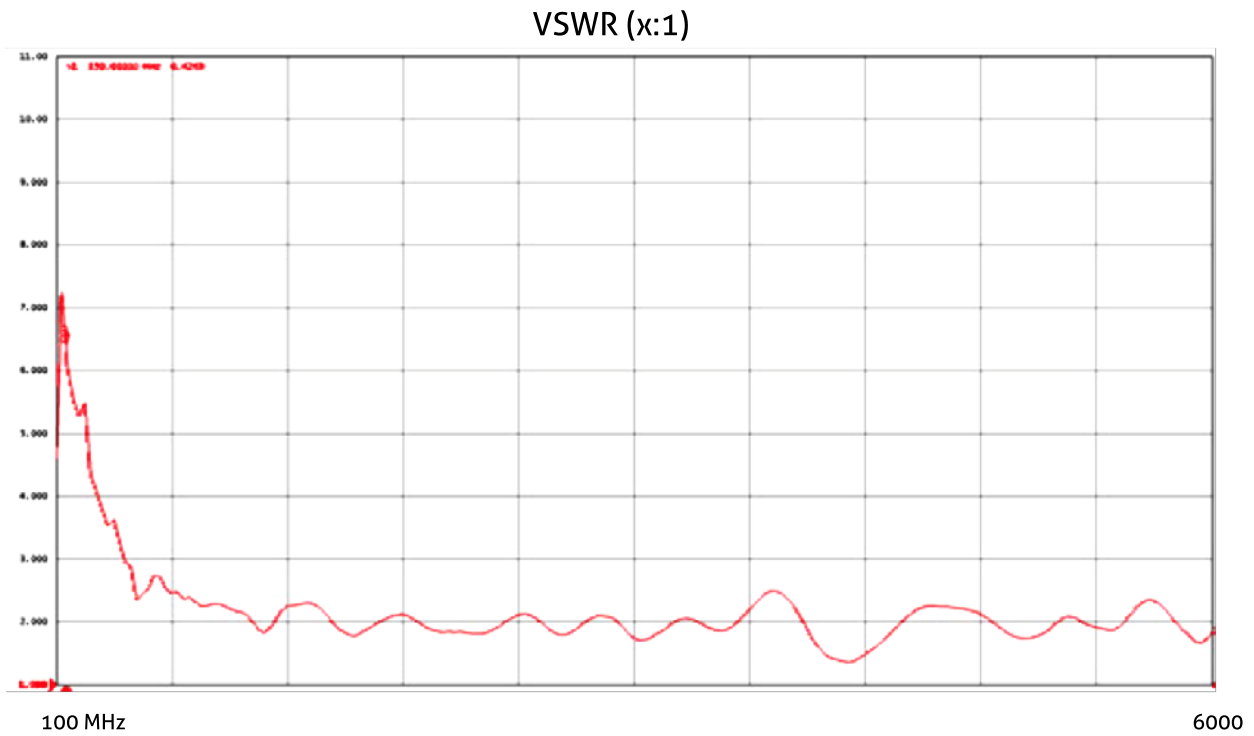
- Wideband Monitoring
- Diversity antenna for communications

Covered by patents pending and US patents 7345642 and 7659862

Wideband Fractal Antenna

0.15 - 6 GHz

Product Code: OMNI-C010



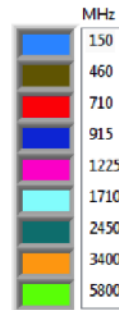
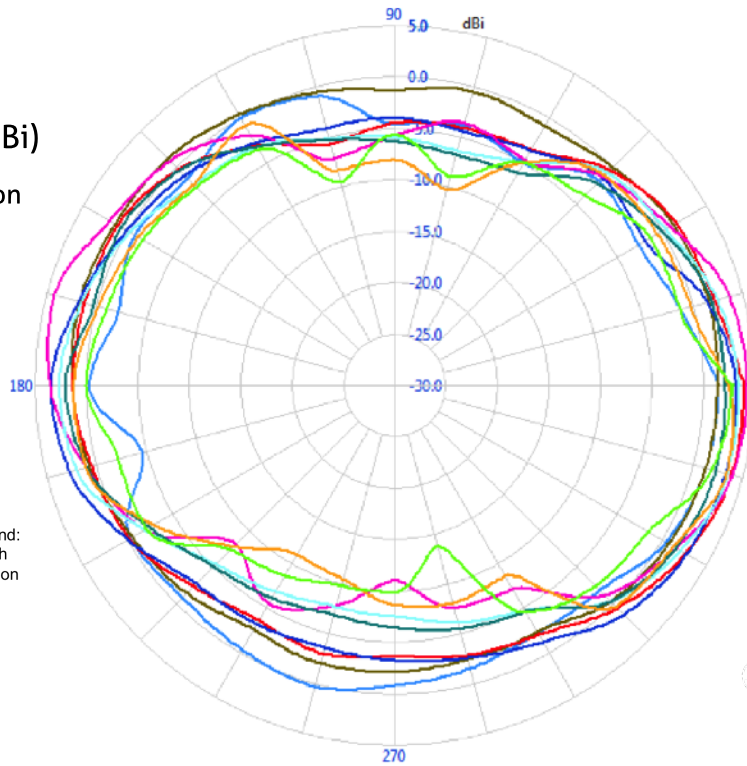
* Gain on boresight at 150 MHz is 1.5 dBi

Wideband Fractal Antenna

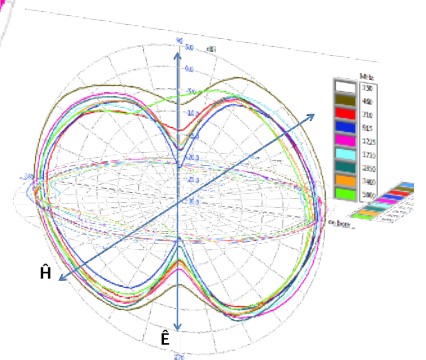
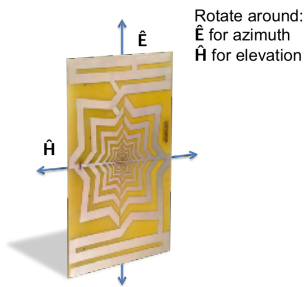
0.15 - 6 GHz

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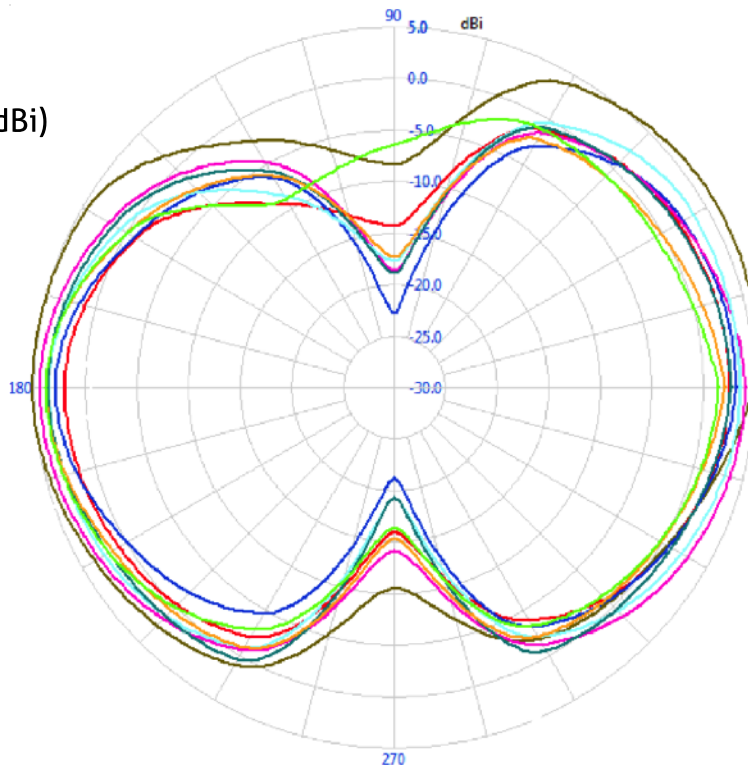
Azimuth patterns (dBi)
at zero degrees elevation



on bore



Elevation patterns (dBi)
at zero degrees azimuth



on bore