



Wideband Fractal Antenna

400 - 6000 MHz

Version: 1.0

Product Code: OMNI-C014-01

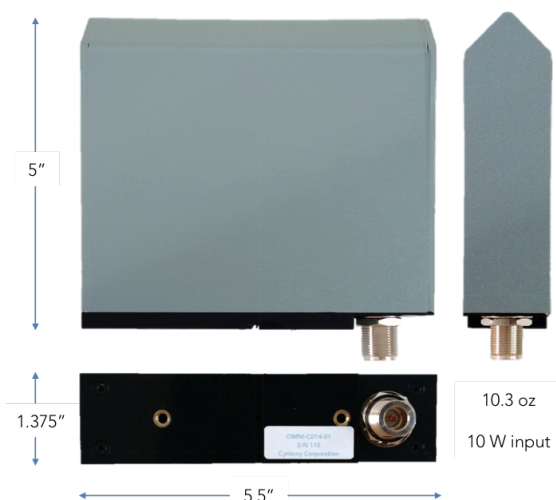


Product Description:

Very compact at its lowest frequency, the OMNI-C014-01 is a wideband fractal antenna that squeezes many bands into a small package. Frequency independent, with peak gains on boresight of 4 dBi, the antenna possesses linear polarization and has an N-type female bulkhead jack for signal connection. Handles 10 watts of power for transmit. Two 10-32 threaded inserts are in the base for mounting.

Specifications:

Electrical	
Frequency Range	400 MHz to 6 GHz
VSWR	< 2:1 typical
Nominal Impedance	50 Ω
Connector	SMA jack (female)
Power handling	10 W
Antenna Gain	4 dBi, max on boresight
Power pattern	Omnidirectional, (dipole)
Polarization	Linear
Power Handling	10 Watts
Mechanical	
Dimensions	5.5 x 5 x 1.375 inches
Weight	10.3 ounces
Environmental	
Temperature range	-30 to +50 °C



Features:

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

Applications:

- Wideband diversity transceivers
- Element for interferometric DF array

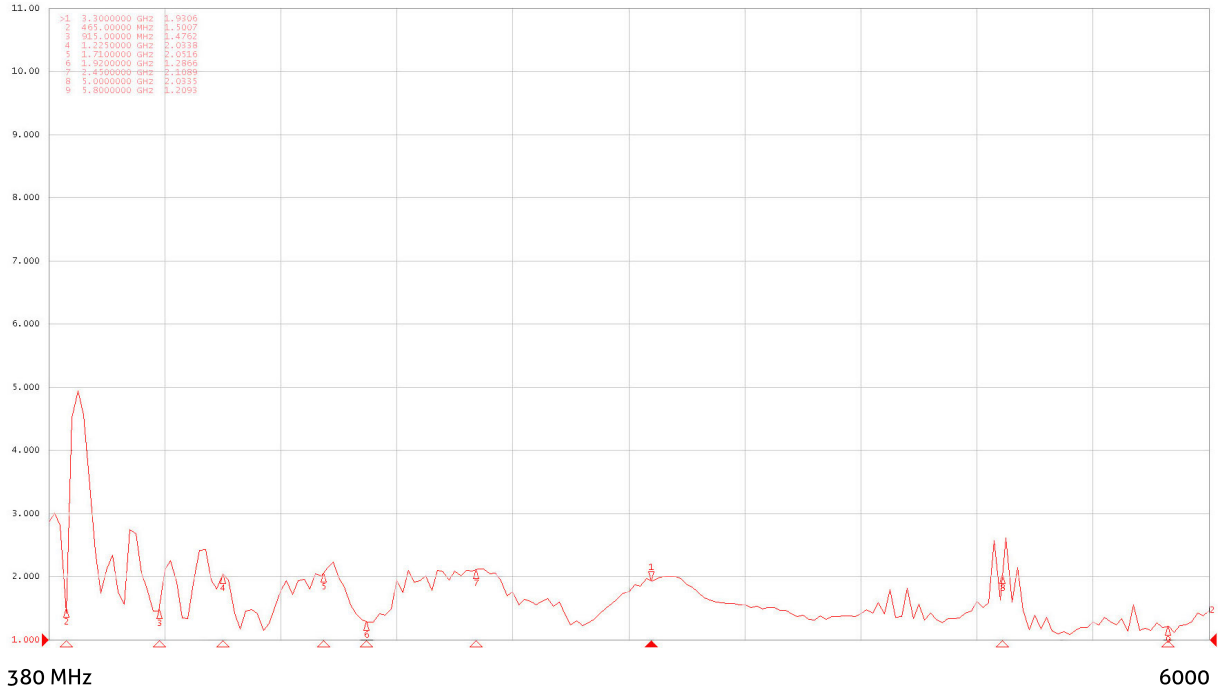
Covered by patents pending and US patents 7345642 and 7659862

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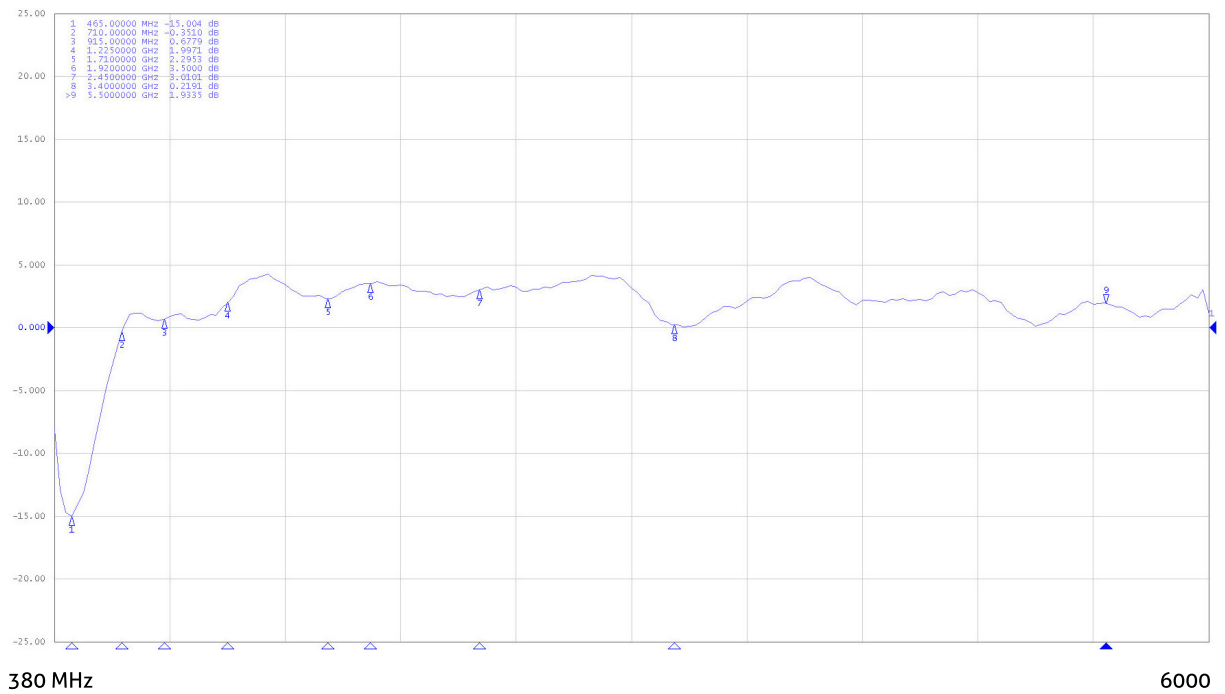
0.4 - 6 GHz

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VSWR (x:1)



Boresite Gain (dBi)

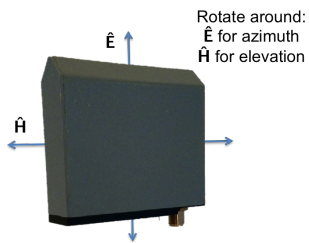
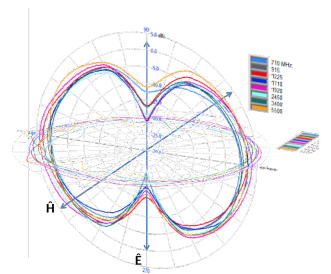
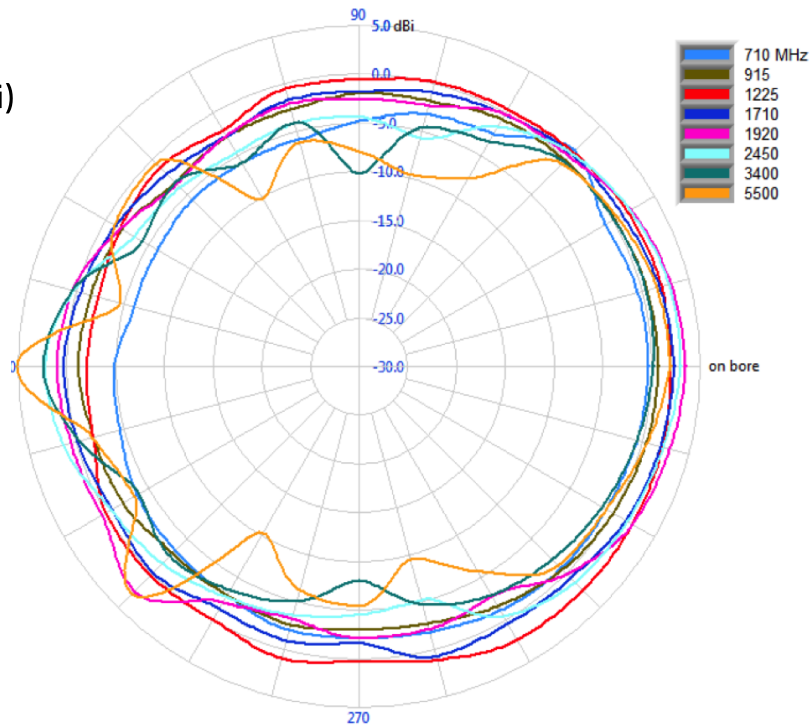


Wideband Fractal Antenna

0.6 - 6 GHz

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Azimuth patterns (dBi)
at zero degrees elevation



Elevation patterns (dBi)
at zero degrees azimuth

