

Wideband (617-6000MHz) Omni In-Building PIM-rated Antenna



- Market-leading omni antenna for in-building **cellular DAS and FirstNet applications**
- **Continuous wideband coverage from 617-6GHz** - covering all LTE, 5G, CBRS, and WiFi bands
- **Only antenna of its kind**, delivering wideband performance in a **fraction of the size** of other solutions

Applications & Markets

- In-building DAS
- Stadium and Venue DAS
- Single & Multi-Carrier Systems
- WiFi systems

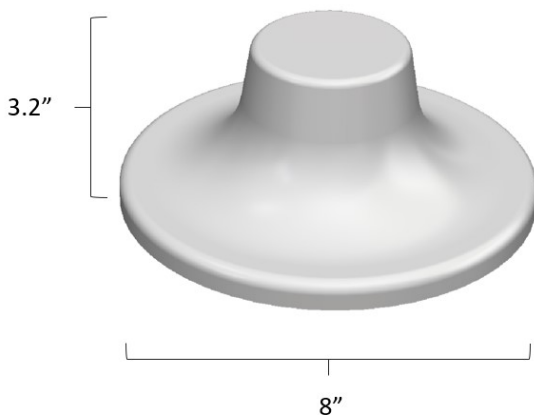
The Fractal Advantage[™]

- Super-wide bandwidth for essentially **all frequency applications in single antenna**
- *"Future proof"* design **ready for LTE, 5G, CBRS, LAA, C-band** and other spectrum rollouts
- Excellent **RF performance** with ultra-wide bandwidth
- **Smallest form factor** (both size and weight) for given performance on the market

Frequency-Dependent Specifications

(for commonly used frequencies)

Frequency (MHz)	617-960	1695-2700	3550-3700	3700-4200	5100-6000
Peak gain (dBi)	2.7	5.7	5.6	4.8	8.7
Avg Gain (dBi)	1	3.6	3.7	2.9	5.2
Avg VSWR	<2:1	<1.5:1	<1.5:1	<1.5:1	<1.5:1
PIM, 3rd Order	<-153 dBc				



Other Specifications

Unit Number	DBMTPV01
Impedance	50 Ω
Polarization	Vertical
Max Power	20 Watts
Antenna Diameter	8 inches
Antenna Height	3.2 inches
Input Connect.	4.3-10 w/ 12" pigtail
Operating Temp.	-40°F to 130°F
Radome Material	ABS
Color	White <i>(Custom color available upon request)</i>

For inquires, contact us at sales@fractenna.com

Applicable Fractal Antenna Systems Patents: 7,190,318; 7,701,396; 9,825,368; and Patents Pending

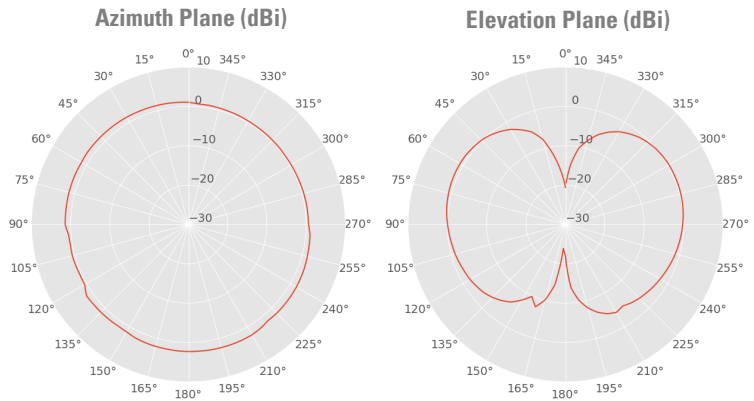
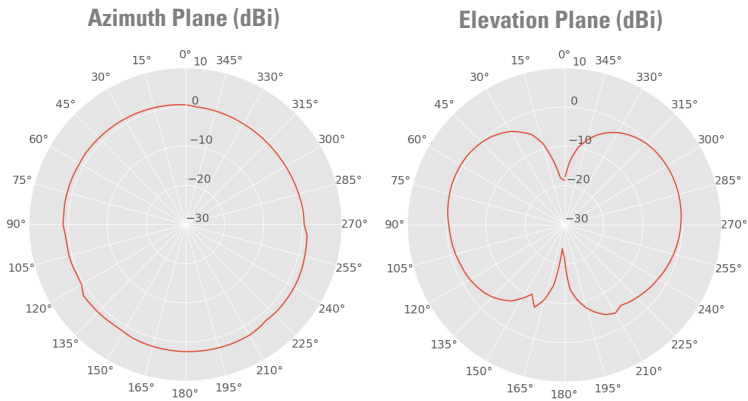
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All specifications are subject to change at any time without notice

Antenna Power Patterns For Common Frequencies

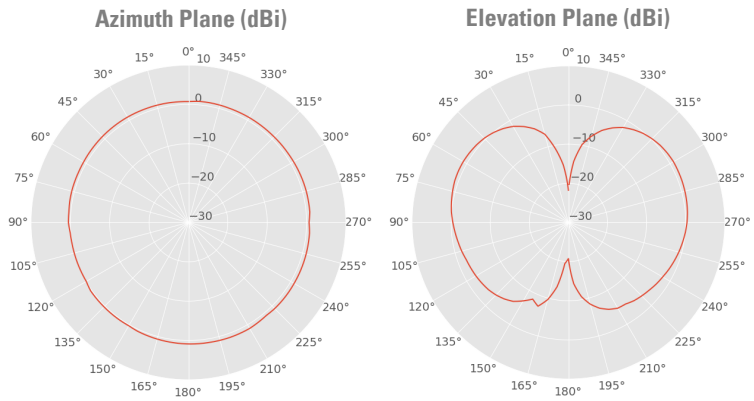
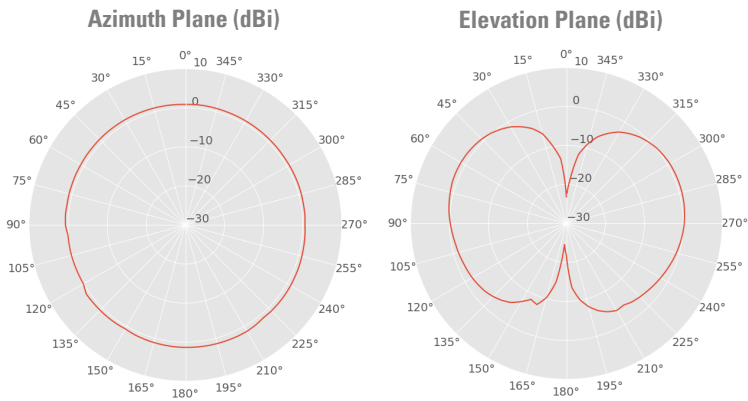
627MHz

681MHz



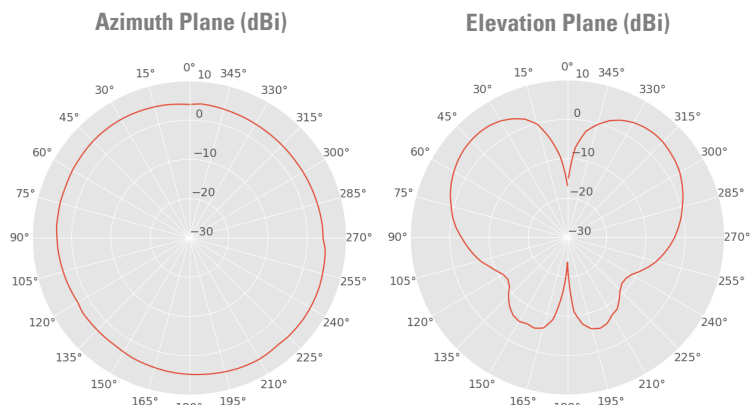
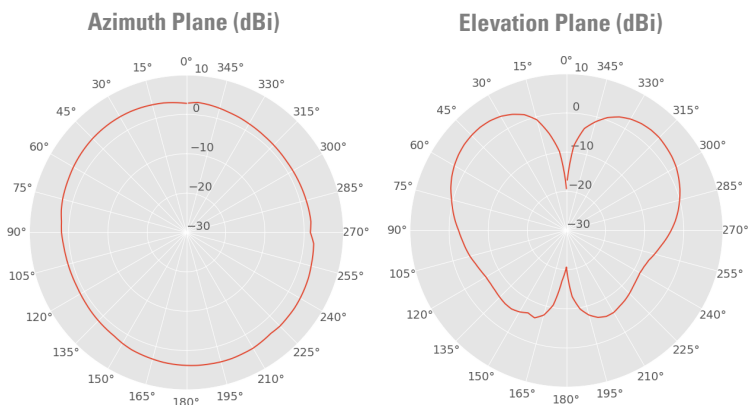
816MHz

897MHz



1707MHz

2193MHz



Antenna Power Patterns For Common Frequencies

2679MHz

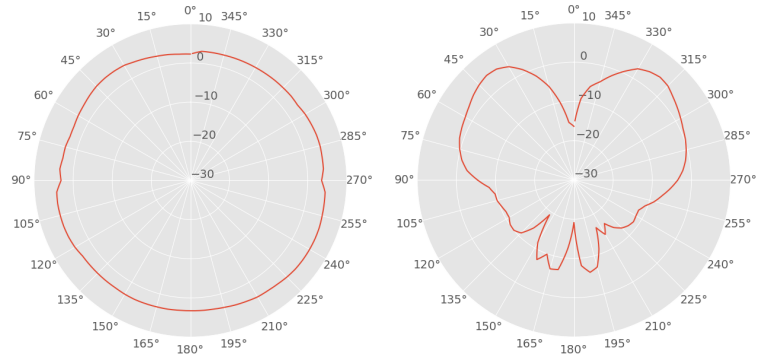
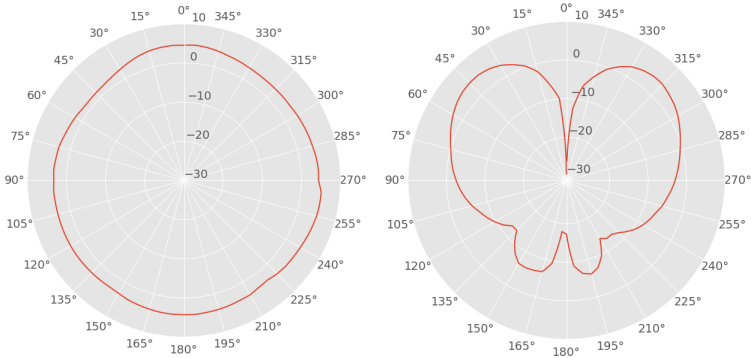
3624MHz

Azimuth Plane (dBi)

Elevation Plane (dBi)

Azimuth Plane (dBi)

Elevation Plane (dBi)



4083MHz

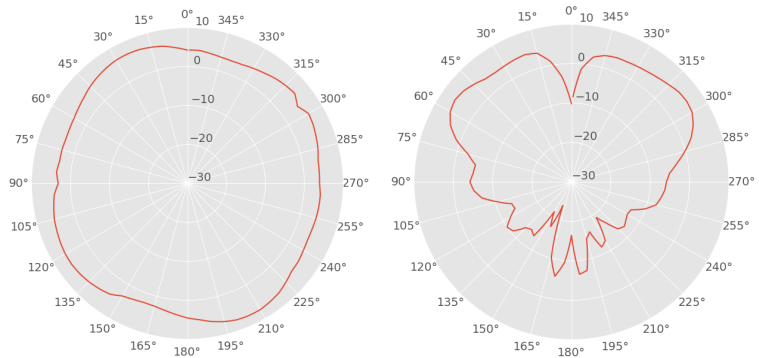
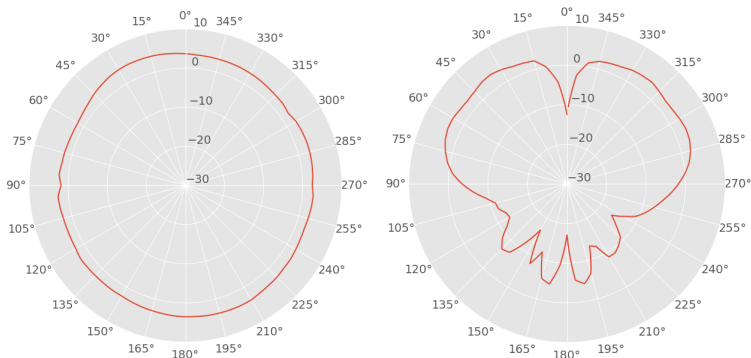
5244MHz

Azimuth Plane (dBi)

Elevation Plane (dBi)

Azimuth Plane (dBi)

Elevation Plane (dBi)



5595MHz

5892MHz

Azimuth Plane (dBi)

Elevation Plane (dBi)

Azimuth Plane (dBi)

Elevation Plane (dBi)

