

## Wideband (1.7-6GHz) Directional 4X4 MIMO Panel Antenna



- Directional panel antenna for **iDAS, stadiums, and other high capacity venues**
- **4X4 MIMO** with dual-polarization and minimal sidelobes
- **Continuous wideband coverage from 1.7-6GHz** in each port; enabling **5G** and future-proofing your system
- **Fraction of the size and depth** of other solutions

### Applications & Markets

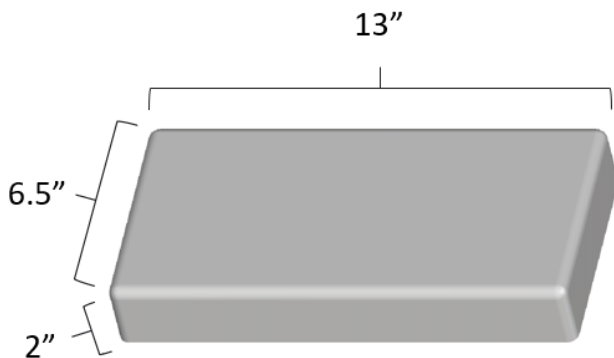
- Stadium and Venue DAS
- In-building DAS
- Single & Multi-Carrier Systems
- WiFi systems

### 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

| Frequency (MHz)      | 1695-2200 | 2200-2700 | 3500-3700 | 3700-4200 | 5100-5900 |
|----------------------|-----------|-----------|-----------|-----------|-----------|
| Avg Gain (dbi)       | 8         | 8         | 7         | 6         | 4         |
| Vertical beamwidth   | 30°       |           |           |           |           |
| Horizontal beamwidth | 70°       |           |           |           |           |
| Avg VSWR             | <2:1      |           |           |           |           |
| PIM                  | <-153 dBc |           |           |           |           |



### Other Specifications

|                        |   |
|------------------------|---|
| Unit Number            | <b>MAN4SPV01</b>                                      |
| Impedance              | 50 Ω  |
| Polarization           | Dual  |
| Max Power              | 40 Watts  |
| Antenna Height x Width | 6.5" x 13"  |
| Antenna Depth          | 2"  |
| Input Connect.         | 4 X 4.3-10  |
| Operating Temp.        | -40°F to 130°F  |
| Radome Material        | Kydex, UL94 V-0 rating                                |
| Color                  | White<br><i>(Custom color available upon request)</i> |

For inquiries, contact us at [sales@fractenna.com](mailto:sales@fractenna.com)

Applicable Fractal Antenna Systems Patents: 7,345,642; 7,659,862; and Patents Pending

Address: 213 Burlington Road, Bedford, MA, USA  
Phone: 781-275-2300

© Fractal Antenna Systems, Inc. All rights reserved  
All specifications are subject to change at any time without notice