

Ultra-Wide Band Omni MIMO

617-6000 MHz, 2-Port, Low PIM

ventev®

Connect, Protect, and Enable™

Ventev's 2x2 MIMO Ultra-Wide Band Indoor Omni is ideal for public safety and cellular DAS applications. This omni antenna covers the 617-6000 MHz frequency ranges. It is designed with low PIM, and a high gain design. With an N Female or a 4.3-10 Female connector, this antenna can be ceiling or surface-mounted.

Available Models

Description	MFG Part #	SKU
N Female	M3030050020006LP	284602
4.3-10 Female	M3030050020049LP	214714

Specifications

Operating Frequency Range	617-698/698-960/1695-2700/ 3300-4000/4800-6000 MHz
Gain	4/5/6/6/6 dBi
Polarization	Linear Vertical
Cross Polar Isolation	≥17 / ≥17 / ≥20 / ≥20 / ≥20 dB
Horizontal Beamwidth	360°
VSWR	≤1.8 / ≤1.8 / ≤1.7 / ≤1.7 / ≤1.7
PIM, IM3, 2x20 W (43 dBm), dBc	≤-153
Nominal Impedance	50 Ohms
Max Input Power	50 W
Number of Ports	2
Length of Lead	12 in. Plenum rated, UL-94 compliant
RF Connector	N Female or 4.3-10 Female
Application	Indoor
Operating Temperature	-40° to 140°F
Humidity	Up to 100%
Dimensions	8.15 in. diameter, 2.20 in. depth
Weight	1.1 lb.
Mounting Options	Ceiling or surface mount through hole



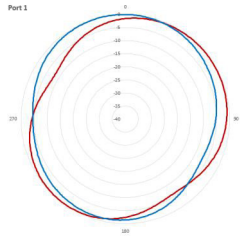
Features & Benefits

- 2x2 MIMO indoor omni that's ideal for public safety and cellular DAS applications.
- Ultra-wide band covering 617-6000 MHz.
- Low PIM, high gain design with excellent pattern performance and market competitive specifications.
- Ceiling/surface mounted.
- Can be secured to hard ceiling.

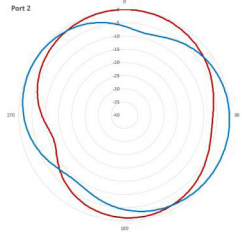


All product specifications are subject to change without notice or obligation.

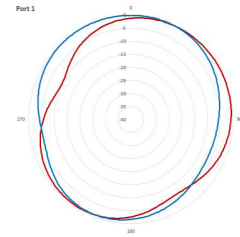
Radiation Patterns



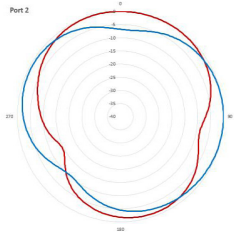
Port 1
617 MHz



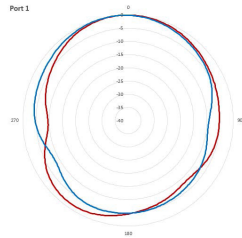
Port 2
617 MHz



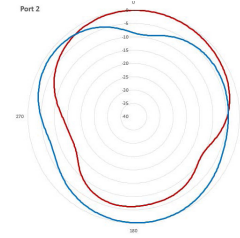
Port 1
698 MHz



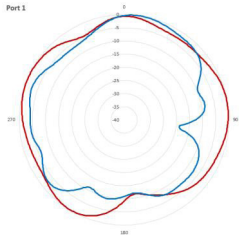
Port 2
698 MHz



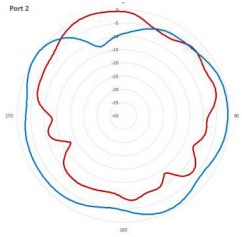
Port 1
960 MHz



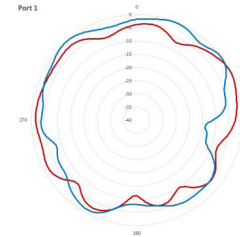
Port 2
960 MHz



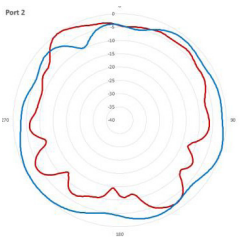
Port 1
2170 MHz



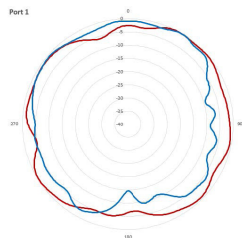
Port 2
2170 MHz



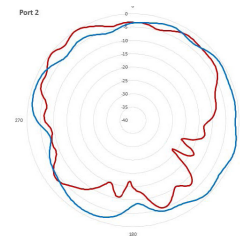
Port 1
2690 MHz



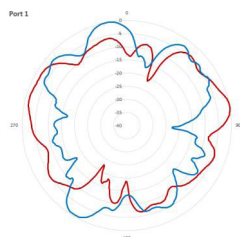
Port 2
2690 MHz



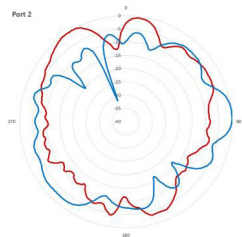
Port 1
3600 MHz



Port 2
3600 MHz



Port 1
5950 MHz

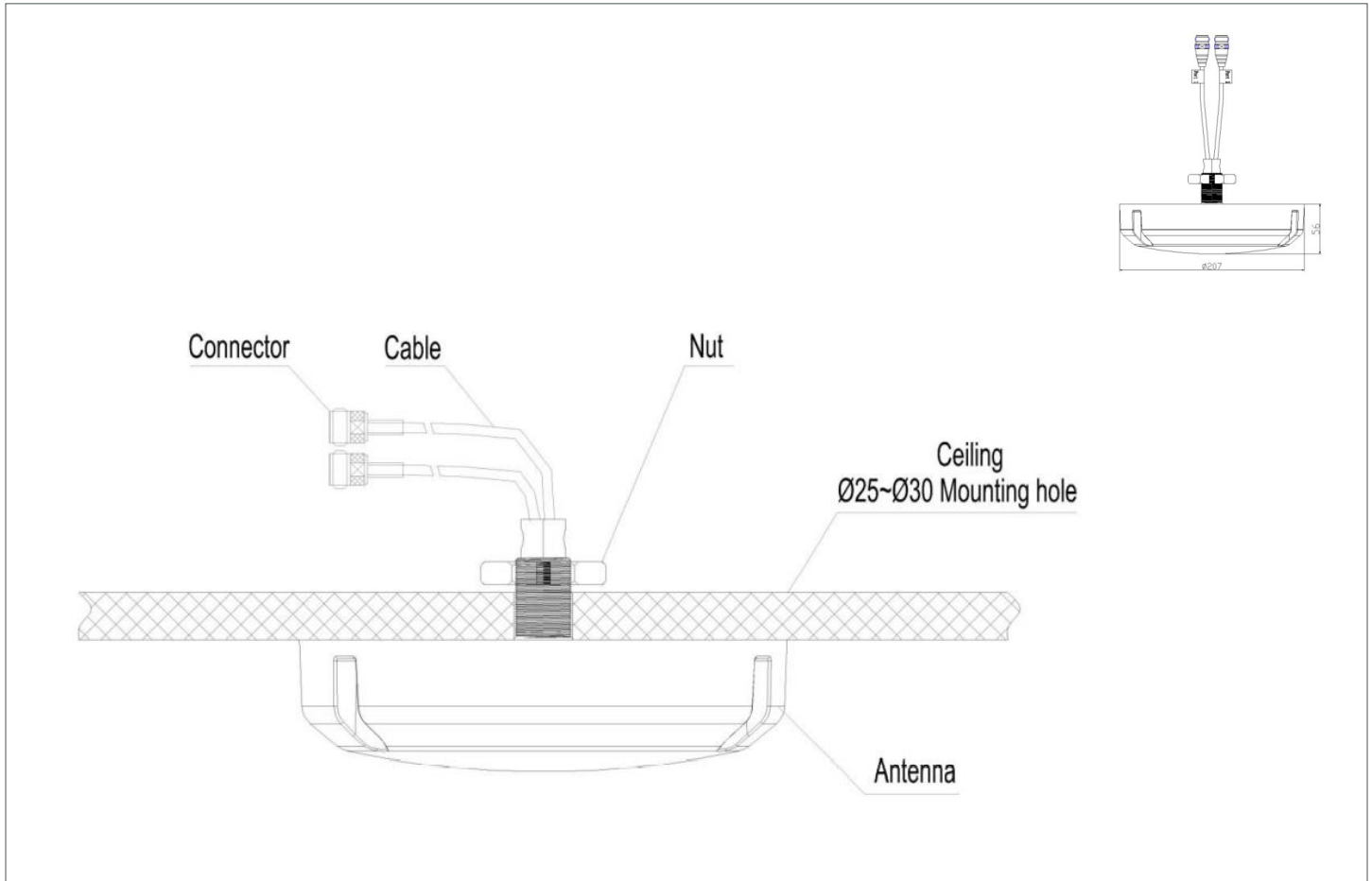


Port 2
5950 MHz



All product specifications are subject to change without notice or obligation.

Mount Information



Installation Instructions

- Drill a 27 mm diameter hole in the ceiling.
- Remove the backing nut and feed the pigtails through the hole, one at a time.
- For the Ceiling Tile Mount, reinstall the backing nut and hand-tighten until antenna back is flush with the tile.
- For the Hard Ceiling Mount, use appropriate hardware (#8 size) to secure antenna from outside until antenna back is flush with the ceiling.



All product specifications are
subject to change without notice
or obligation.