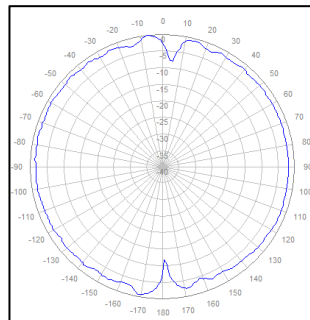


V-Pol, Quad-Port 20" [508 mm] 360° OMNI Antenna (2) 1850–1990 MHz & (2) 1695–1880/2110–2180 MHz

- Ideal small cell, metro-deployment antenna
- Compact size for minimal visual impact
- MIMO capable in both bands
- Suitable for LTE/CDMA/PCS/UMTS/GSM technologies
- Optimized width for reduced wind loading
- Integrated GPS



Electrical specification (minimum/maximum)	Ports 1 & 3		Ports 2 & 4
Frequency bands, MHz	1695–1880	1920–2180	1850–1990
Polarization	V		V
Average gain, dBi	4.5	4.7	4.5
Horizontal beamwidth (HBW), degrees ¹	360		360
Vertical beamwidth (VBW), degrees ¹	75	77	70
Minimum intraband isolation, port-to-port, dB	25	25	25
Minimum interband isolation, port-to-port, dB	20	20	20
Maximum VSWR/return loss, dB	1.7/ -12.7		1.7/ -12.7
Maximum passive intermodulation (PIM), 2x5 W carrier, dBc	-160		
Maximum input power per any port, watts	5		5

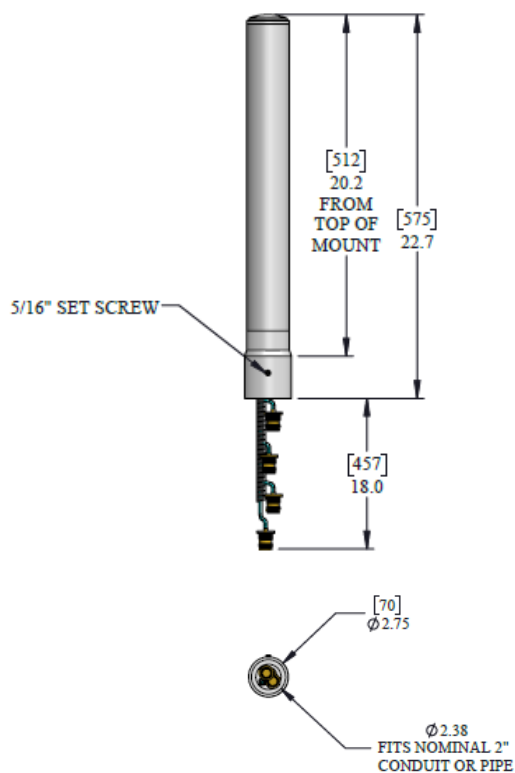
Integrated GPS electrical specification (excludes LNA)	Port 1
Frequency bands, MHz	1574-1606
Gain (min.) [flatness] dB	0.8
Out of band rejection (min.), dB	25


nwav
technology

¹ Typical value over frequency

Mechanical specifications

Dimensions height/diameter, inches (mm) [incl. mounting]	20.2 [22.7]/ 2.75 (512[575]/ 70)
Color	RAL 7035 (grey)
No. of RF input ports, connector type and location	4 x 4.3-10 female, with pigtails
No. of GPS input port, connector type	1 x SMA female, with pigtail
RF connector torque	96 lbf·in (10.85 N m or 8 lbf·ft)
Net antenna weight, lb (kg)	2.04 (0.9)
Rated wind survival speed, mph (km/h)	150 (241)



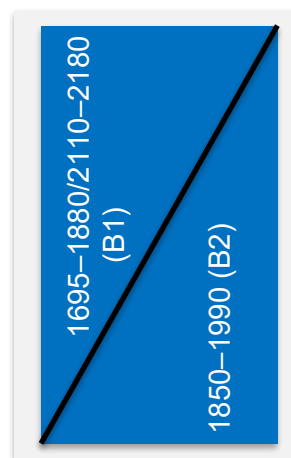
Array topology

2 sets of radiating arrays

B1 – 1695–2180 MHz

B2 – 1850–1990 MHz

Band	RF Port
1695–1880 / 2110–2180	1 & 3
1850–1990	2 & 4



Ordering information

Antenna model	Description
CV04OMI236-01	20 in V-Pol 4 Port OMNI 360, 4.3-10