



VERTICALLY POLARIZED FM ANTENNA SERIES

The JAMPRO Vertical Dipole series of antennas are vertically polarized side mount FM antenna systems consisting of a balun fed vertical dipole and rigid coaxial feed system. JAMPRO vertical dipole antennas are constructed of durable non-corrosive brass and copper. All associated brackets and hardware are made of stainless steel or hot dipped galvanized steel for many years of dependable service. The JLVP is cable fed and will handle a maximum input power of 1 kW. The JMVP is fed with a 1-5/8" inner-bay line and will handle a maximum input power of 10 kW. The JHVP vertical dipole array has a 3-1/8" innerbay feed system and features a safe input rating of up to 40 kW.

Excellent Performance for HD Radio™

Superior VSWR Band width

Vertically Polarized

Available for 88-108 MHz.

DC Ground at each bay for lightning protection

**Optional Radomes available for
JMVP (shown) & JHVP**



The JAMPRO JMVP & JHVP vertically polarized FM arrays are completely assembled and factory tuned on similar tower structures to insure proper impedance match and minimum VSWR. The JLVP is supplied as a field tunable LPFM/Booster/Translator antenna. As an option, the circularity of the azimuth pattern can also be measured on JAMPRO's 7,000 square ft. open field test range to determine the effect of the mounting structure on the antenna field pattern. Custom directional patterns and reduced RFR arrays are also available.



JLVP-JMVP-JHVP

# of Bays	Power Gain (times)	Gain (dB)	Net Weight (lbs.)	Windload (lbs.)
1	0.955	-0.2	51	114
2	2.0	3.0	105	145
3	3.0	4.76	155	231
4	4.2	6.22	211	317
5	5.4	7.31	267	403
6	6.4	8.05	323	489
8	8.6	9.34	435	662
10	11.0	10.4	547	834
12	13.2	11.2	659	1,006

Notes:

- Weights and windloads above are based on JMVP. Contact factory for JLVP & JHVP
- Feed points, when end fed, 3 ft below bottom bay; 8 ft below center bay for center fed
- All inputs EIA flange, female except JLVP is type "N"
- Maximum input power ratings: JLVP 500, optional to 1 kW; JMVP: 10 kW; JHVP 40 Kw
- Power derating occurs over 2,000 ft. elevation
- Power and dB gains are typical for vertical components
- Other combinations of EIA inputs and power ratings available
- Free space azimuth circularity is ± 1.0 dB
- Custom mounting brackets available; standard to 3" OD pipe or round tower leg
- Power gain is based on half-wave dipole in free space
- Weights and wind loads calculated at 50/33 PSF, 112 MPH wind speed, no ice
- Weights and wind loads include antenna, feed system and standard mounting brackets
- Weights and wind loads to not include reflectors, where used.

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, JAMPRO ANTENNAS INC. cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation. **HD Radio™** is a registered trade mark of Ibtiquity Digital Corporation.

*All specifications are subject to change without notice.