



JADP-HD

The JAMPRO Cavity Backed Premium Broadband Broadcast Antenna

The JAMPRO JADP antenna utilizes a dual input, wide-band element to excite a cavity resonator for maximum beam control. The result is an antenna which is far superior to standard flat panel designs. This antenna has low VSWR, uniform pattern and axial ratio across a wide band of frequencies. The feed system includes dry air pressurized power dividers, feed baluns and flexible copper coax cables. The balun and dipole feeds can be enclosed in a radome for harsh weather sites.

Omni and Directional Patterns

Multi- or Single station use

Rugged Mechanical Construction

Excellent Axial Ratio Control Design

Marine Brass & Copper = Long Life

HD Radio™ Compatible with all elements driven with both analog and digital signals.



#BAYS	Panels Per Bay	Gain (Times)	Height (feet)	NetWeight (pounds)	Windload (pounds)
1	1	2.0	6	Contact Factory	Contact Factory
	2	1.0			
	3	0.47			
2	1	4.0	16	Contact Factory	Contact Factory
	2	2.0			
	3	1.0			
4	1	8.0	36	Contact Factory	Contact Factory
	2	4.0			
	3	2.1			
6	1	12.0	56	Contact Factory	Contact Factory
	2	6.0			
	3	3.2			
8	1	16.0	76	Contact Factory	Contact Factory
	2	8.0			
	3	4.3			

Notes:

1. Weights and windloads shown include standard leg brackets.
2. Windloads based on 50/33 PSF (98 MHz midband).
3. Windloads based on three elements around mounting structure.
4. All inputs EIA flange, female. 50 ohms
5. In an omni-directional configuration, circularity is ± 1.5 dB or better. Directional patterns available.
6. Axial ratio is typically better than 1.0 dB
7. VSWR for individual panels and complete systems = 20% bandwidth under 1.1:1 available
8. Polarization is right hand circular
9. Power rating per cavity varies with input power.
10. Three panel per bay gains are 0.47 (omni) per layer.
11. Total number of frequencies limited only by total input power
12. Based on 6'0" cavity, 8'0" loads upon request
13. Radomes optional. Specifications upon request

Options:

FCC Directionalization, Pattern Measurement Service, Electrical Beam Tilt, Null Fill, Special Mounting Brackets.

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. For reduced low angle radiation near the tower, a low RFR model of this antenna is available. Contact the factory for pricing data and further details. HD Radio™ is a registered trade mark of libuquity Digital Corporation.

All specifications subject to change without notice.