



THE JAMPRO CAVITY BACKED PREMIUM BROADBAND BROADCAST ANTENNA

The JAMPRO JADP antenna utilizes a 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.

Excellent for multi or single station use

VHF Bands I, II (FM) 87.5-108 MHz, III

Rugged mechanical construction

Single or dual feed systems

Excellent axial ratio control design

**Marine brass, stainless steel & copper
for a longer life span**

HD Radio™ compatible

Omni & directional patterns



Dual input HD field upgrade available. HD ready for low level, high level or mid level combining.

HD Radio™

A Registered Trade Mark of iBuquity Digital Corporation



#BAYS	Panels Per Bay	Gain (Times)	Height (ft/m)	Net Weight (pounds)	Windload (pounds)						
1	1	2.00	6ft / 1.82m	Contact Factory							
	2	1.00									
	3	0.47*									
2	1	4.00	16ft / 4.87m			Contact Factory					
	2	2.00									
	3	1.00*									
4	1	8.00	36ft / 10.97m					Contact Factory			
	2	4.00									
	3	2.10*									
6	1	12.0	56ft / 17.06m							Contact Factory	
	2	6.00									
	3	3.2*									
8	1	16.0	76ft / 23.16m	Contact Factory							
	2	8.0									
	3	4.30*									
10	1	20.0	96ft / 29.26m			Contact Factory					
	2	10.0									
	3	6.6*									
12	1	24.0	116ft / 35.36m					Contact Factory			
	2	12.0									
	3	8.0*									

*Values provided average/RMS gains; All other stated gains are Peak gains. Gains do not include losses for feed system beam tilt or null fill.

NOTES:

1. Weights and windloads contact factory
2. All inputs EIA flange, female. 50 ohms
3. In an omni-directional configuration, circularity is ± 1.5 dB or better. Directional patterns available.
4. Axial ratio is typically better than 1.0 dB
5. VSWR for individual panels and complete systems = 20% bandwidth under 1.1:1 available
6. Polarization is right hand circular
7. Power rating per cavity varies with input power.

8. Three panel per bay gains are 0.47 (omni) per layer.
9. Total number of frequencies limited only by total input power
10. Based on 6'/1.82m cavity. Available sizes 8'/2.44 m, 10'/3.05m, & 12'/3.66m. Contact factory for details.
11. Radomes optional. Specifications upon request
12. Power and dB gains are typical RMS gains for omni-directional, horizontal and vertical components.

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 are subject to change without notice.