

JMPC SIDEMOUNT ANTENNA

The JAMPRO JMPC antenna is the medium-power version of the Penetrator antenna, which has become an industry standard for quality and performance. Rated at 10 kW maximum input, each bay consists of a Penetrator-style radiating element with a 1-5/8" shunt feed line. Each JMPC is factory tuned to any frequency in the FM Band II (87.5 - 108 MHz) range on a tower structure that best simulates the customer's actual tower.

Multiple frequency design is also available. The true circular polarization of the JMPC antenna offers excellent performance for HD Radio, stereo and SCA operation. Typical VSWR is 1.1:1 \pm 200 kHz.

Radomes

Deicers

FCC Directionalization

Reduced RF Arrays

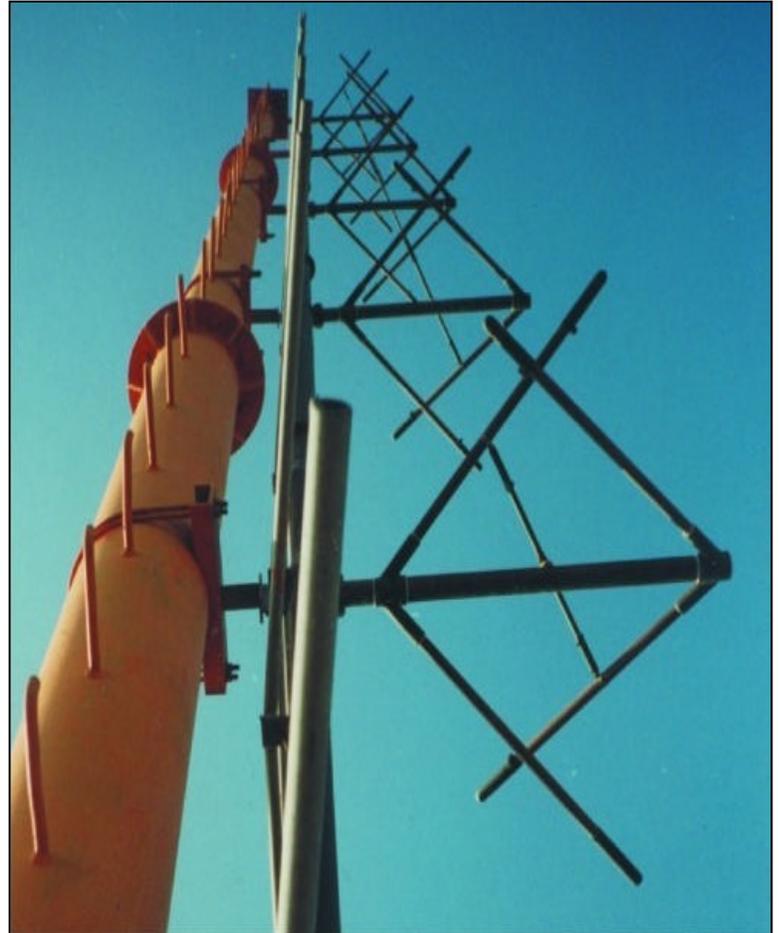
Pattern Measurement Study

Custom Mounting Brackets

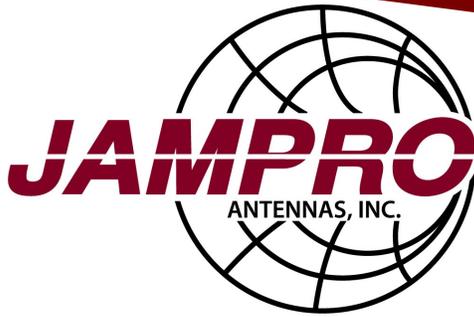
Electrical Beam Tilt

Null Fill

Multi Frequencies



The JMPC antenna is constructed of the highest quality marine brass and copper. A hot dipped galvanized steel mounting bracket for utmost grounding supports each bay. Standard round leg mounting brackets for uniform face towers are included with each antenna. Silver plated inner conductor connectors are used throughout for maximum contact life and minimum power loss. Each JMPC antenna is DC grounded at every bay for maximum lightning protection. This rugged mechanical construction and mounting ensure the long life and outstanding performance of each JMPC antenna system.



Number of Bays	Power Gain	dB Gain	FS @ 1 Mi.	Safe Input Power kW	Weight (lbs)	Wind load (lbs)
1					35	44
Deicers	0.46	-3.37	93.2	5	44	54
Radomes					65	166
2					100	145
Deicers	1.00	0.00	136.7	10	118	169
Radomes					160	387
3					155	231
Deicers	1.50	1.76	168.4	10	182	279
Radomes					245	594
4					211	317
Deicers	2.10	3.22	199.2	10	220	391
Radomes					330	801
5					267	403
Deicers	2.70	4.31	225.2	10	312	502
Radomes					417	1,008
6					323	489
Deicers	3.20	5.05	246.0	10	377	610
Radomes					503	1,215
8					435	662
Deicers	4.30	6.34	285.2	10	507	831
Radomes					675	1,630
10					547	834
Deicers	5.50	7.40	322.4	10	637	1,052
Radomes					847	2,044
12					659	1,006
Deicers	6.60	8.20	353.2	10	766	1,212
Radomes					1,018	2,458

NOTES:

- Weights and wind loads shown include standard leg mounting brackets and feed lines
- Wind loads based on 50/33 PSF (98 MHz, mid-band)
- Feed points, when end fed is 3 ft below bottom bay; when center fed is 9'. 6" below center
- All inputs are EIA flange, female
- Power de-rating occurs above 2,000 feet elevation. Contact factory for details
- Power and Db gains are typical for horizontal and vertical components
- Special mounting brackets are available
- Other combinations of EIA inputs and power ratings available
- Free space azimuth circularity is ± 2.0 dB
- Polarization is right hand, clockwise circular
- Power gain is based on half wave dipole in free space
- Specifications based on one wave spaced bays, other spacing available

Since many factors contribute to a station's compliance with FCC exposure guidelines for radio frequency radiation, Jampro Antennas 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 configuration of this antenna is available. Contact the factory for pricing and further details.

*All specifications subject to change without notice.