

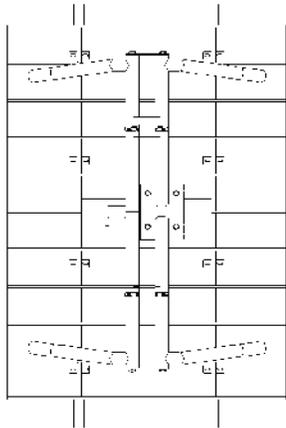
ADB-FHD

Horizontal Dipole Panel FM Broadcast Antenna



Product Description

The ADB-FHD is a horizontally polarized FM broadcast panel antenna system. Each panel contains dual dipoles, featuring high gain and low downward radiation. Rugged galvanized steel construction insures many years of dependable performance in even the harshest environments. The ADB-FHD antenna has proven to have excellent bandwidth and pattern stability. Standard and custom directional patterns are available to fit any of your coverage requirements.



# Bays	Panels per Bay	Gain (times)	Gain (dB)	Height (ft/m)	Projected Area (sq. ft)
1	2	3.2	5.1	4.2ft / 1.3m	Contact Factory
	3	2.2	3.5		
	4	1.6	2.1		
2	2	6.5	8.1	9.7ft / 2.9m	
	3	4.5	6.5		
	4	3.2	5.1		
4	2	12.9	11.1	20.7ft / 6.3m	
	3	8.9	9.5		
	4	6.5	8.1		
6	2	19.5	12.9	31.7ft / 9.7m	
	3	13.5	11.3		
	4	9.8	9.9		
8	2	26.9	14.3	42.7ft/ 13m	
	3	17.8	12.5		
	4	13.5	11.1		

*All stated gains are Peak gains. Gains do not include losses for feed system, beam tilt or null fill.

Alan Dick Broadcast Ltd

Design, supply & manufacture communication infrastructure systems on a global scale by offering products and services for Wireless networks.

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NOTES:

1. Weights and wind loads contact factory.
2. Windload ratings are based on 50/33 PSF (98 MHz-mid band).
3. All inputs EIA flange, female, 50 ohm.
4. Polarization is horizontal.
5. Power rating available in many different ratings.
6. Optimized bandwidth over nominal 50 ohm VSWR of 1.1:1 over FM band available. Contact factory for details.
7. Power gain is based on half wave dipole in free space
8. Radomes optional. Specifications on request.
9. Height based on 1/2 wave spacing.
10. All specifications are subject to change.

OPTIONS:

Options available include FCC-Directionalization, Pattern Measurement Service, Beam tilt and Null fill, Special mounting brackets.

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, Alan Dick Broadcast Ltd. 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.

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