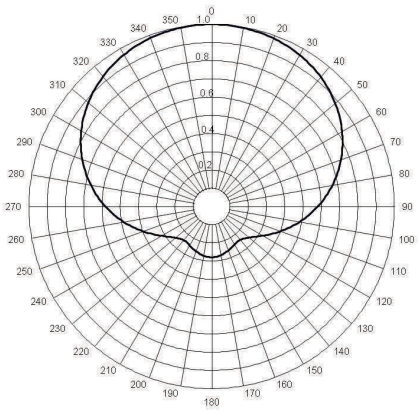
ADB-FVX

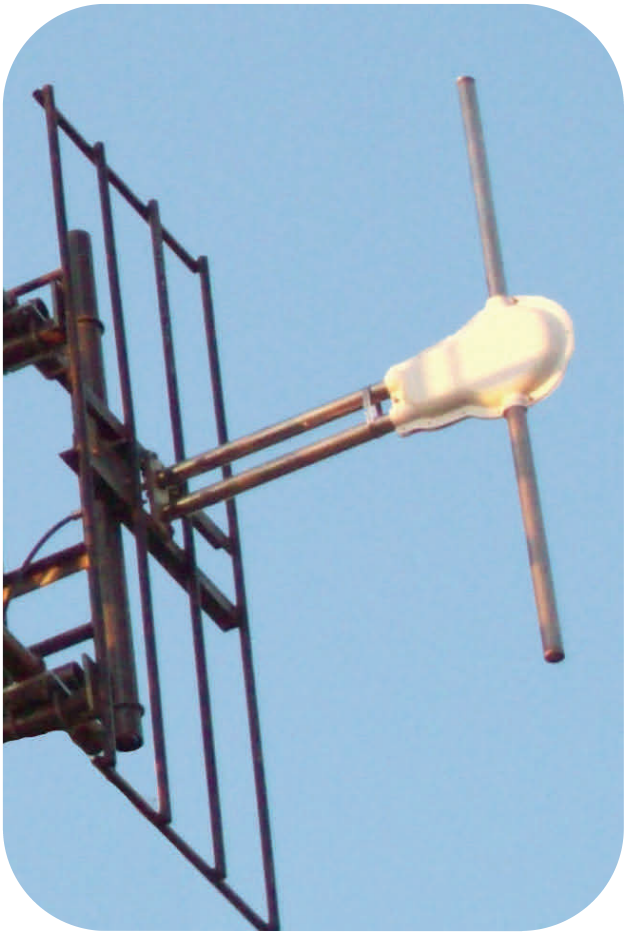
High Gain Vertical Dipole Antenna

Product Description

The ADB-FVX vertically polarized single dipole broadcast antenna offering a high gain Broadband Solution. Each element consists of 1-5/8" balun fed dipole, featuring high gain and low downward radiation. The lightweight design combined with stainless steel dipole and rugged galvanized steel reflector insures many years of dependable performance in even the harshest environments. The ADB-FVX antenna has proven to have excellent bandwidth pattern stability, and high gain. The flexible dipole spacing allows for custom directional patterns that fit any of your coverage requirements.

Typical Horizontal Radiation Pattern





*Radome shown optional

# Bays	Power Gain	Gain (dB)	Antenna Height (ft./m)	Power Rating	New Weight (lbs) Total Area (ft.)
1	2.35	3.7	9.2 ft / 2.8 m	2.5 kW	Contact Factory
2	4.68	6.7	19.2 ft. / 5.85 m	5 kW	
3	7.0	8.46	29.3 ft. / 8.93 m	5 kW	
4	9.36	9.71	39.3 ft. / 11.98 m	10 kW	
6	14.1	11.5	58.5 ft. / 17.83 m	10 or 15 kW	
8	18.8	12.75	79.4 ft. / 24.2 m	10 or 20 kW	

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

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NOTES:

1. Weights and Windloads contact factory.
2. Total area shown in feet/meters, area is subject to change.
3. All inputs EIA flange, female, 50 ohm
4. Polarization is Vertical.
5. Power rating available in many different ratings.
6. Optimized bandwidth over nominal 50 ohm VSWR of 1.1:1 over FM band available.
7. Power gain is based on half wave dipole in free space.
8. Radomes optional. Specifications on request.
9. Heights are based on mid band FM.

OPTIONS:

Options available include FCC-Directionaliztion, 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.

*All specifications are subject to change without notice.