

ADB-LHP

Horizontally Polarized Booster— for LPFM Antenna



Product Description

The ADB-LHP is a low power antenna designed specifically for omni-directional translator/booster applications. The simplicity of the ADB-LHP horizontally polarized design gives low power stations the flexibility needed to meet their individual requirements. A stacking harness may be used to add multiple bays to achieve the required gain. Field tunable from 88 to 108 MHz. Higher power ratings available upon request. The antenna features: VSWR 1.5:1 or better.



# Bays	Power Gain	Gain (dB)	*Input power	Weight (lbs)	Windload (lbs)
1	0.955	-0.2	500 Watts	Contact Factory	
2	1.91	2.8	500 Watts / 1kW		
4	4.1	6.12	500 Watts / 1kW		

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

*1kW input available with 7-16 Din connectors-contact factory for pricing

All specifications subject to change without notice

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 windloads contact factory.
2. Feed points, when end fed, 3ft/0.92m below bottom bay; 8ft/2.44m below center bay for center fed
3. Maximum input power ratings: ADB-LHP 500, optional to 1 kW
4. Power derating occurs over 2,000ft/609.6m elevation
5. Power and dB gains are typical for horizontal components
6. Other combinations of EIA inputs and power ratings available
7. Free space azimuth circularity is ± 1.0 dB
8. Custom mounting brackets available; standard to 3" OD pipe or round tower leg
9. Power gain is based on half-wave dipole in free space

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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