

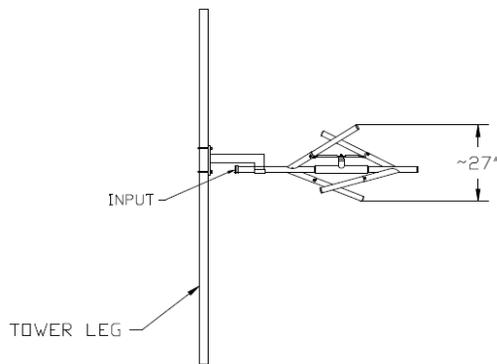
ADB-CPB-DA

Directional FM Broadband Broadcast Antenna

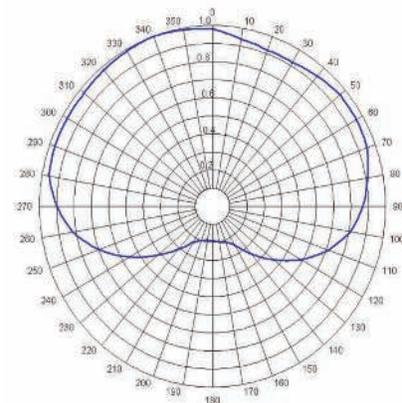


Product Description

The ADB-CPB-DA utilizes a horizontal radiation pattern that is improved by the horizontal reflecting element mounted on the antenna. Each bay consists of a Penetrator style radiating element supported by a galvanized steel mounting bracket; standard round leg mounting brackets for a uniform face tower are included with each antenna. Silver plated inner conductor connectors are used throughout for maximum contact life and minimum power loss.



Typical Directional Horizontal Radiation pattern



Typical Specifications

Frequency	Band II 87.5-108 MHz
Circularity	2.0 dB (Free Space)
Polarization	Circular
Impedance	50 ohm
VSWR	1.2:1 or better than 20.8 dB

Alan Dick Broadcast Ltd

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

• Americas • Asia Pacific • Europe • Middle East

ADB-CPB-DA

Directional FM Broadband Broadcast Antenna



# of Bays	Power Gain (HPOL) (times)	Gain (HPOL) (dB)	Power Rating	
			JCPB-M	JCPB-H*
1	.63	-2.0	2kW	5 kW
2	1.26	1.0	4 kW	10 kW
3	1.93	2.9	6 kW	15 kW
4	2.73	4.4	8 kW	20 kW
6	4.2	6.2	10 kW	30 kW
8	6.0	7.8	10 kW	40 kW

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

NOTES:

1. All inputs EIA flange, female.
2. Power derating occurs above 2,000ft/609.6m elevation.
3. Power and dB gains are typical directional gains for horizontal and vertical components.
4. Special mounting brackets available.
5. Other combinations of EIA inputs and power rating available.
6. Free space azimuth circularity is 2.0 dB.
7. Polarization is right hand, clockwise, circular.
8. 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.

*All specifications are subject to change without notice.

Alan Dick plan, design, deploy, develop, maintain, manage, support, upgrade, integrate and optimise communication networks across the globe by providing products, services and solutions for Cellular, Broadcast, Radar/Surveillance and Enterprise markets.