

Dipole antenna 87 - 108 MHz

Type: AOD98AFB

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* No Field Tuning * Rugged Design * Lightning Resistant

The AOD98AFB Series of Medium Power Broad banded Dipole antennas for FM broadcast is designed and manufactured with rugged and reliable construction for vertical polarization. It is ideal for systems that need gain in one direction or Omni directional around a tower. The dipole can be stacked with a power splitter in different configurations for additional gain.

BROAD BANDED 87 – 108 MHz

TYPICAL ELECTRICAL DATA AND RADIATION DIAGRAMS.

Type	AOD98AFB
Frequency range - MHz	87 - 108
Bandwidth - MHz	Full band
Gain - dBi (dBd), 4-bay	10,15 (8)
Beam width -3dB	
H plane	200°
E plane	20°
Front to back ratio - dB	7
V.S.W.R - typical	1,2:1
Polarization	Vertical
Impedance - Ohms	50
Maximum power – W	2500
Connector	7/16
Lightning protection	DC grounded

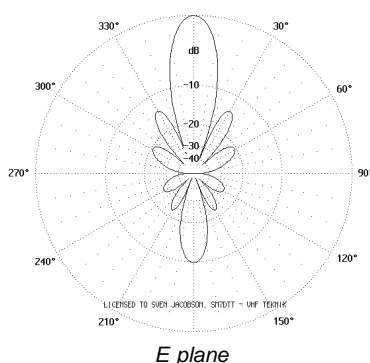
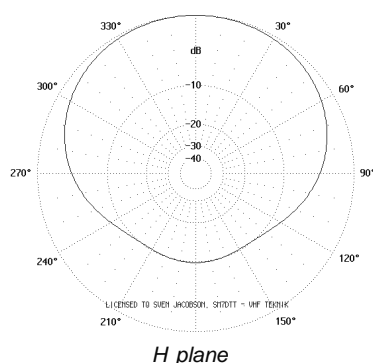
MECHANICAL DATA

Antenna material	Aluminium and / or stainless steel
Mounting tube Ø - mm	Standard maximum 120, larger on request
Maximum wind – m/sec	55 – w/o ice
Typical wind loading – sqm, 4-bay	1,0 (2000N) Ref. Wind 198 kmh, 125 mph
Total length – mm, 4-bay	9000, depending on stacking
Width - mm	930
Weight – kg, with bracket	4 x 5,5 kg + power splitter and cables

Other information

The dipole system AOD98AFB can be mounted in 2-3-4 or more combinations depending on what type of radiation and gain are required. Please contact us for more information.

The diagram below is a typical radiation diagram for four dipoles vertical mounted in the same direction.



Specifications may change without notice.

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