



AKY/3

Vertical Polarization FM YAGI Antenna



MOUNTING INSTRUCTIONS

These wide band FM antennas, made of Stainless steel are particularly recommended for directional medium Output Power Transmitters.

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BAYS	DB	ANTENNA	WEIGHT	WIND VEL.	WIND LOAD
	GAIN	Vert. dimensions	Kg	Km/h	Kg.
1	5.0	1,8 mt	12.5	160	18
2	8.0	4,3 mt	25		
4	11.0	9,3 mt	50		
6	12.5	14,3 mt	75		
8	14.0	19,3 mt	100		

SUGGESTED MAST SECTION

Is suggested install this Antenna over a pole with section from 60 to 110mm.

DISTANCE ESTIMATION BETWEEN FM ANTENNA BAYS

Wave Length = $\lambda = 300 : f(\text{MHz})$

Distance between antenna bays (any antenna types) = **d**

d (suggested) = $\lambda \times 0.85$

examples

88MHz $\Rightarrow \lambda = 300 : 88 = 3.41 \text{ mt} \Rightarrow d = 3.41 \times 0.85 = 2.9 \text{ mt}$

98MHz $\Rightarrow \lambda = 300 : 98 = 3.06 \text{ mt} \Rightarrow d = 3.06 \times 0.85 = 2.6 \text{ mt}$

108MHz $\Rightarrow \lambda = 300 : 108 = 2.78 \text{ mt} \Rightarrow d = 2.78 \times 0.85 = 2.36 \text{ mt}$

Distance **d** suggested 2.6mt even if working frequency is Mid FM Band



