



# P1R

## VERTICAL POLARIZATION FM PANEL ANTENNA



## MOUNTING INSTRUCTIONS

These wide band FM antennas made of stainless steel are particularly recommended for High Output Power Transmitters.

### AKK/1

BAYS	DB GAIN	ANTENNA Verif. dimensions	WEIGHT Kg.	WIND VEL. Km/h	WIND LOAD Kg.
1	6.0	2.0 mt	27	160	62
2	9.0	4,6 mt	54		
4	12.0	10,2 mt	108		
6	13.5	15,8 mt	162		
8	15.0	21,4 mt	216		





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### SUGGESTED MAST SECTION

Is suggested install this Antenna over a pole with section from 90 to 110mm.

### DISTANCE ESTIMATION BETWEEN FM ANTENNA BAYS

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

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

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

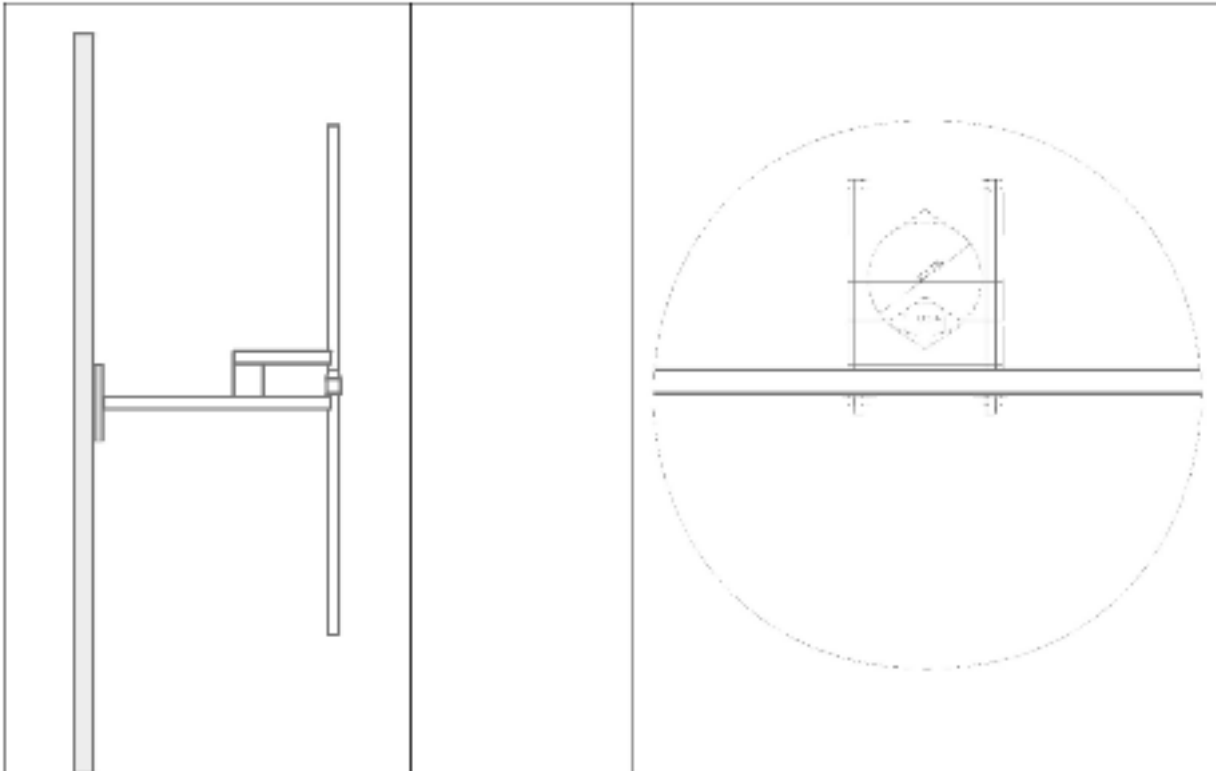
examples

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





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