

## AKK/2

### Double Dipole FM Panel Antenna



## MOUNTING INSTRUCTIONS

These wide band FM antennas has the reflector made of galvanized steel and dipoles made in Stainless steel, are particularly recommended for High Output Power Transmitters.

### AKK/2

BAYS	DB	ANTENNA	WEIGHT	WIND VEL.	WIND LOAD	WIND LOAD
	GAIN	Vert. dimensions	Kg.	Km/h	FRONT Kg.	LAT. Kg
1	7.5	1,8 mt	45	160	140	26
2	10.5	4,6 mt	90			
4	13.5	10,2 mt	180			
6	15.0	15,8 mt	270			
8	16.5	21,4 mt	360			

## 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) =  $\lambda \times 0.9$

examples

88MHz  $\Rightarrow \lambda = 300 : 88 = 3.41 \text{ mt} \Rightarrow d = 3.41 \times 0.9 = 3.07 \text{ mt}$

98MHz  $\Rightarrow \lambda = 300 : 98 = 3.06 \text{ mt} \Rightarrow d = 3.06 \times 0.9 = 2.75 \text{ mt}$

108MHz  $\Rightarrow \lambda = 300 : 108 = 2.78 \text{ mt} \Rightarrow d = 2.78 \times 0.9 = 2.50 \text{ mt}$

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



