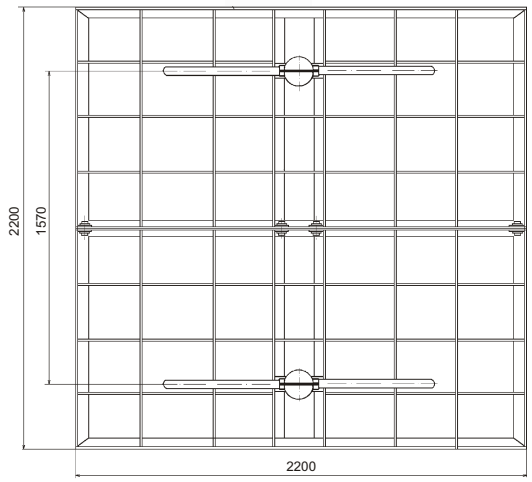
DASTO

FM BROADBAND 4 - DIPOLE ARRAY (87.5 - 108 MHz)



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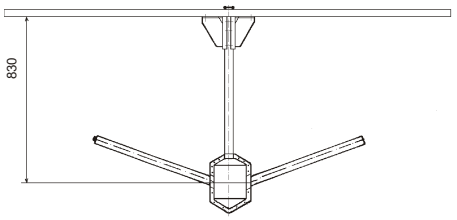
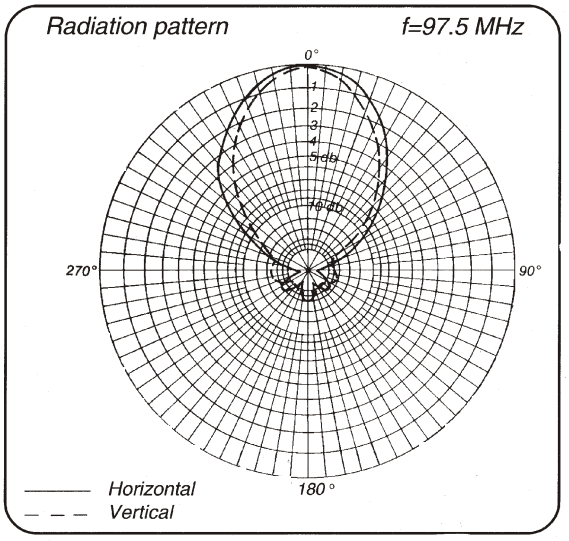
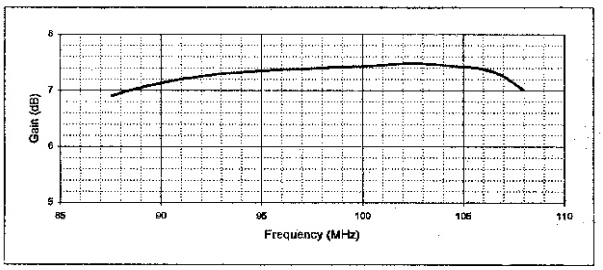
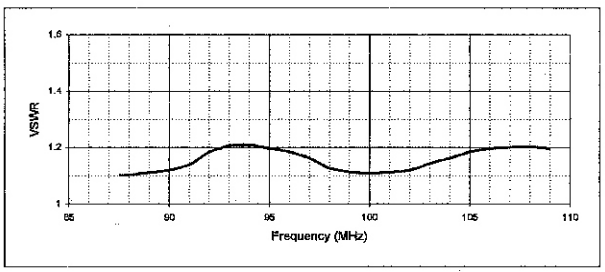


- ***General:*** *It is recommended that this FM Panel Antenna be utilized in high power broadcasting antenna systems. The stacking of various panels to form a collinear system allows optimum results, especially in power transmission from high mountains.*
- ***Radiation pattern:*** *A specific radiation pattern can be achieved by horizontal and vertical displacement of several antennas on a same mast.*

ELECTRICAL SPECIFICATIONS	
Frequency Range	*87.5 – 108 MHz*
Impedance	*50*
Connector	*7/8" EIA*
Max. Power	*5 kW*
VSWR	*< 1.22*
Polarization	*Vertical / Horizontal*
Gain	*7 dB (to /2 dipole)*
Front to Back ratio	*20 dB*
MECHANICAL SPECIFICATIONS	
Dimensions	*2200x2200x1020 mm*
Weight	*85 kg*
Material:	
Reflector	*Hot – dip galvanized steel*
Radiating element	*Stainless steel*
Internal parts	*Silver plated brass*
Isolator	*PTFE*
Radome	*Polyester*







Radiating system characteristics

No of Bays	Antennas Per Bay	Gain (dB)	Weight (kg)	System height (m) H
1	1	7.0	85	2.2
	2	4.0	170	
	3	2.5	255	
	4	1.0	340	
2	1	10.0	170	4.8
	2	7.0	340	
	3	5.5	510	
	4	4.0	680	
3	1	11.5	255	7.4
	2	8.5	510	
	3	7.0	765	
	4	4.5	1020	
4	1	13.0	340	10.0
	2	10.0	680	
	3	8.5	1020	
	4	7.0	1360	

Horizontal Radiation Patterns ***Vertical Radiation Patterns***