

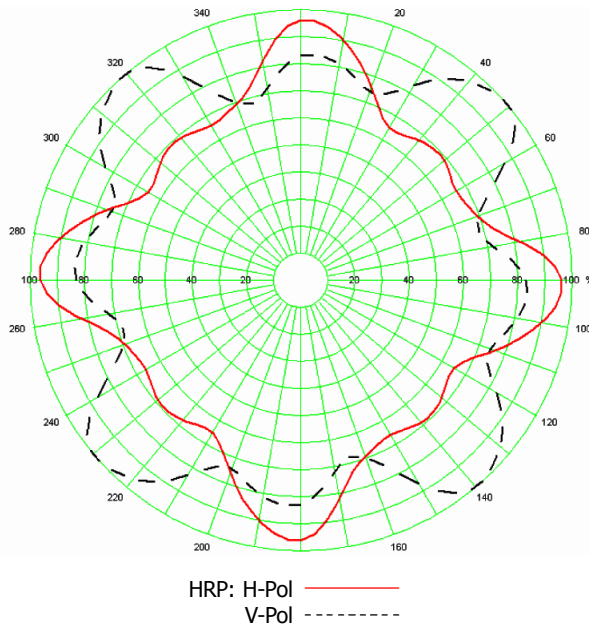
# Antenna VHF FM 88-108MHz

Crossbow Panel, Circular Polarisation

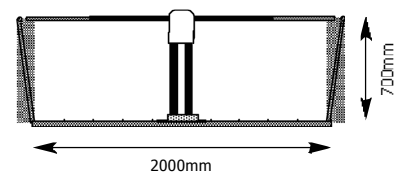
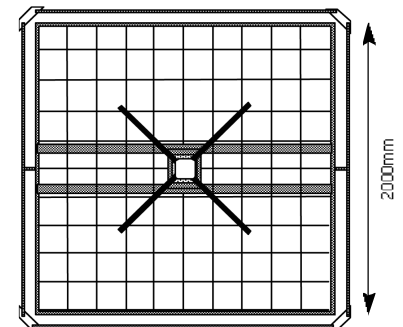


## Product Description

This antenna is designed to produce an omnidirectional Horizontal Radiation Pattern (HRP) when four panels are mounted around a square structure with a face width of 2m, refer to the pattern below. The antenna is broadband and suited to the transmission of several high power FM channels.



Product Specification			
Frequency Range	(MHz)	88-108	
Polarisation		Circular	
Power Rating - according to input connector			
	1 5/8" IEC (kW)	10	
	7/8" IEC (kW)	5	
	7:16 DIN (kW)	3.3	
Input Impedance	(ohms)	50	
Input VSWR		1.1:1	
Gain (relative to halfwave dipole)	(dB)	4.9 per plane	
Lightning Protection		DC Grounded	
Construction		Hot dip Galvanised Steel	
Ice Protection		GRP Pod over dipole feed point	
Weight	(kg)	98	
Aerodynamic Area	Front (m sq.)	2.1	
	Side (m sq.)	0.7	
Packed Weight	(kg)	113	
Shipping Volume, average	(m cu.)	0.62	



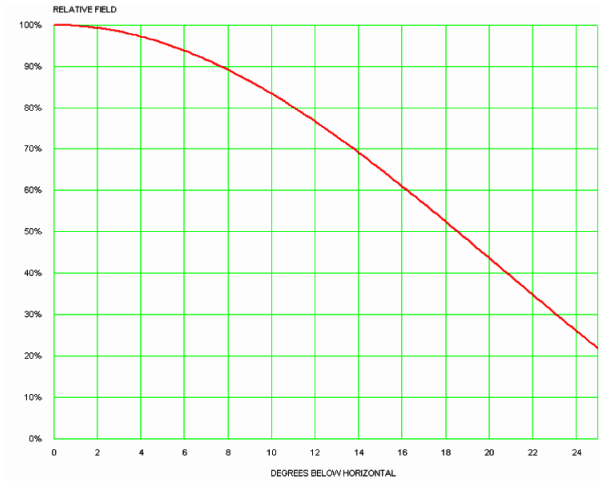
Packed Weight: 113kg  
Shipping Volume, average: 0.62m cu.

In pursuance of continual product improvement, AlanDick reserve the right to change specifications without prior notice

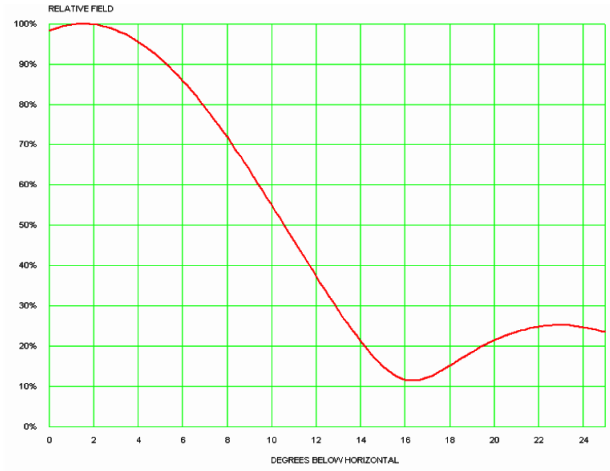
Edition No: 1-03

# Antenna VHF FM 88-108MHz

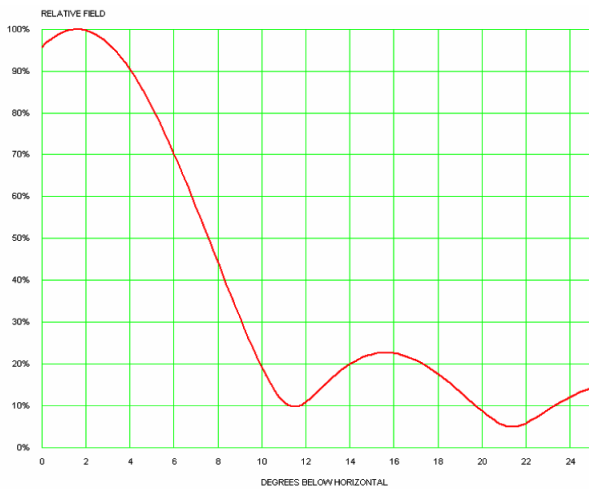
## Crossbow Panel, Circular Polarisation



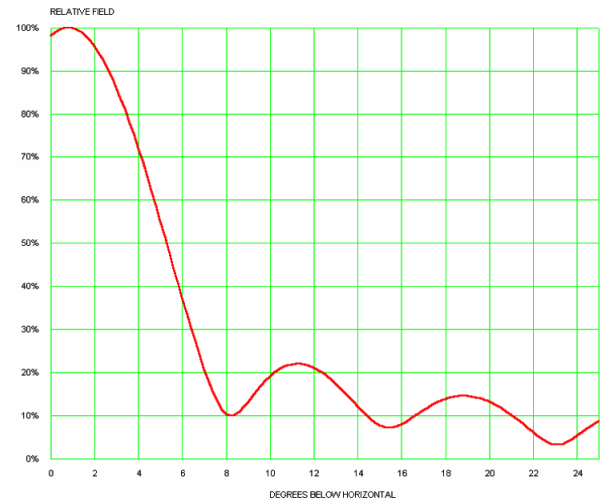
VRP of 2 tier Antenna



VRP of 4 tier Antenna with 1.5 Deg Beam Tilt and 1st Null filled to 10%



VRP of 6 tier Antenna with 1.5 Deg Beam Tilt and 1st Null filled to 10%



VRP of 8 tier Antenna with 1 Deg Beam Tilt and 1st Null filled to 10%

In pursuance of continual product improvement, AlanDick reserve the right to change specifications without prior notice.