

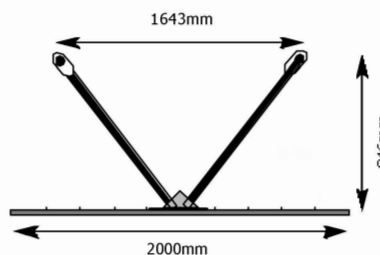
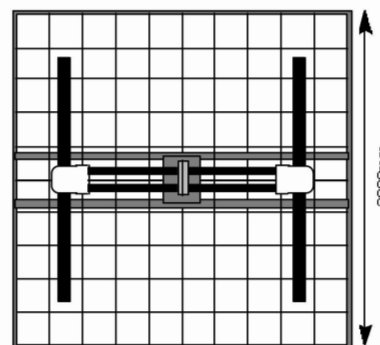
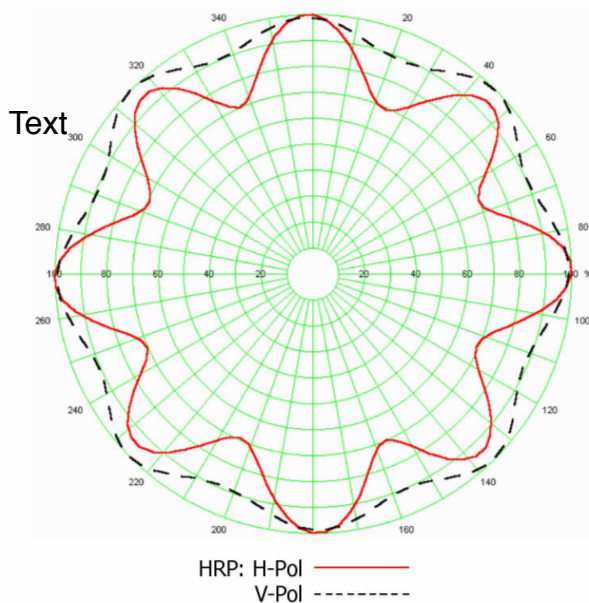
# Antenna VHF FM 88-108MHz

Double Dipole Panel, H90 Horizontal  
/ V90 Vertical 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 approximately 2m, refer to the pattern below. The antenna is broadband and suited to the transmission of several high power FM channels. It can be used for either Horizontal or Vertical polarisation.



Product Specification			
Frequency Range	(MHz)	88-108	
Polarisation		Horizontal or Vertical	
Power Rating - according to input connector			
	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)	8	
Lightning Protection		DC Grounded	
Construction		Hot dip Galvanised Steel	
Ice Protection		GRP Pod	
Weight	(kg)	108	
Aerodynamic Area	Front	(m sq.)	1.4
	Side	(m sq.)	0.55
Packed Weight	(kg)	148	
Shipping Volume, average	(m cu.)	0.82	

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

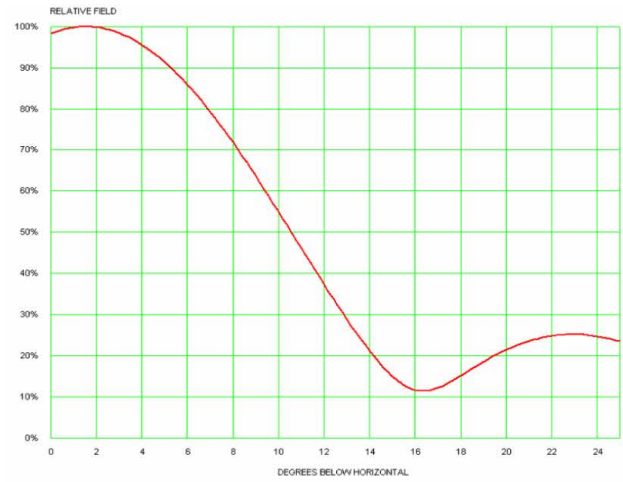
Edition No: 1-03

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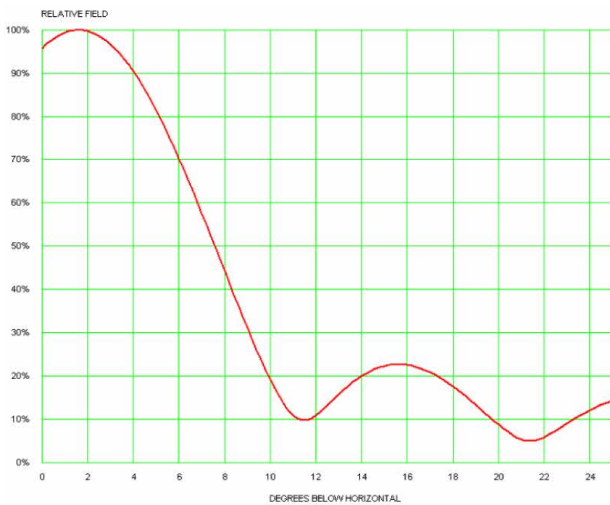
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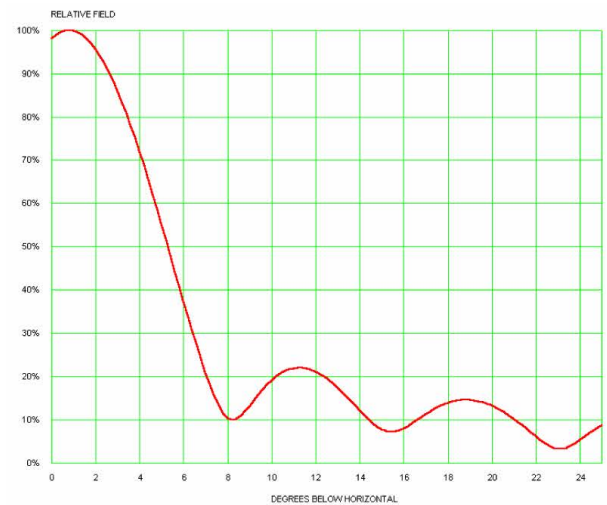
VRP of 2 tier Antenna



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%