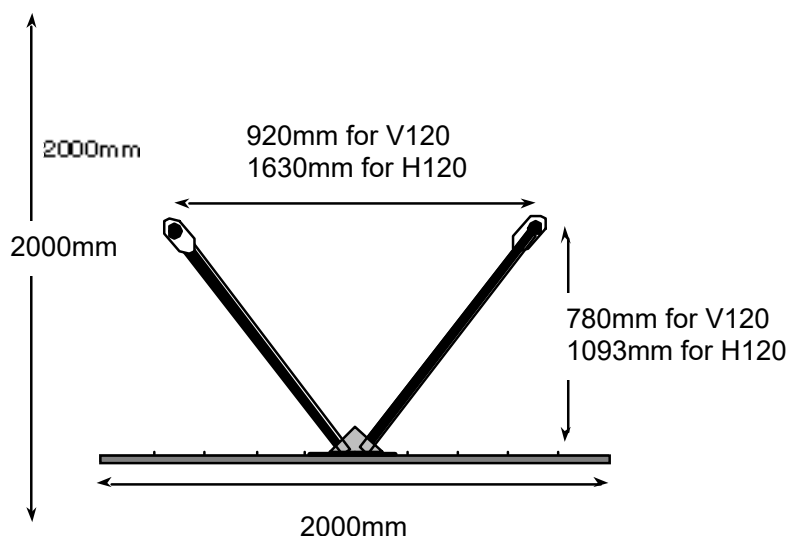
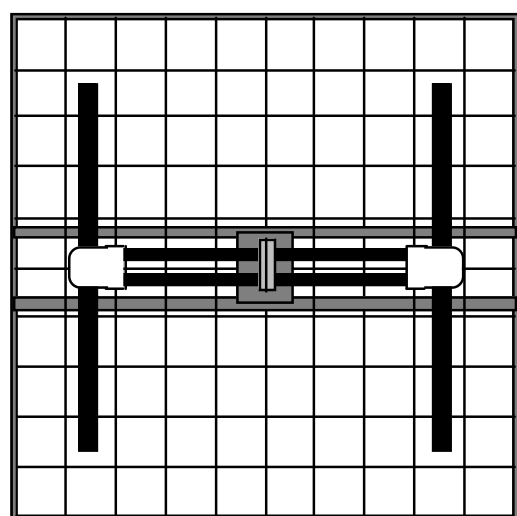
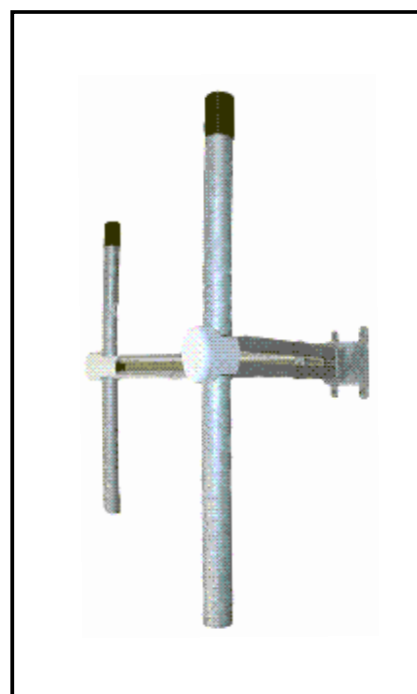
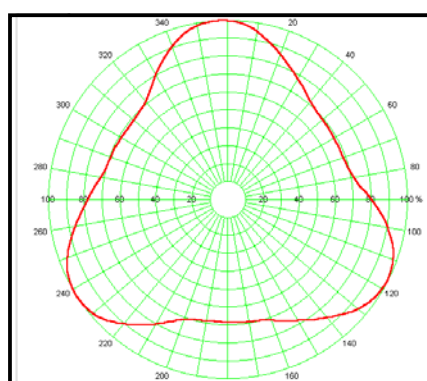


Band 2 V&H 120 Dipole Panel

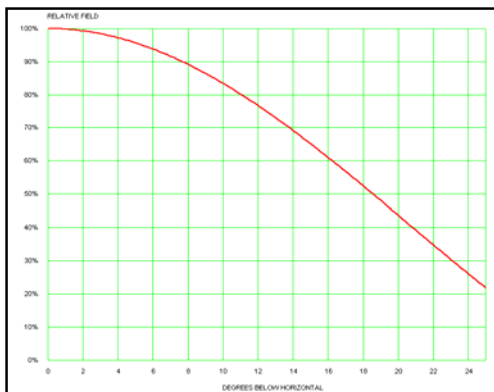
For Vertical / Horizontal polarization

This antenna is designed to produce an omnidirectional Horizontal Radiation Pattern (HRP) when three panels are mounted around a triangular structure with a face width of approximately 2m. See the pattern below. The antenna is broadband and suited to transmitting multiple high-power FM channels. It is used for Vertical or Horizontal polarisation.

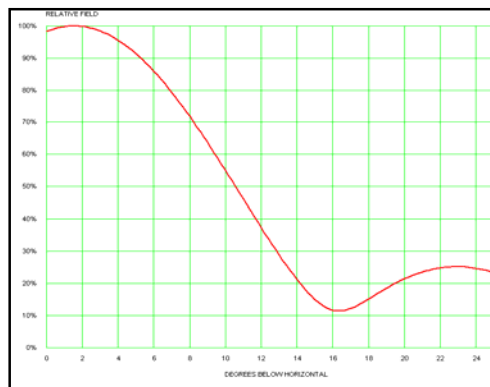


Band 2 V&H 120 Dipole Panel

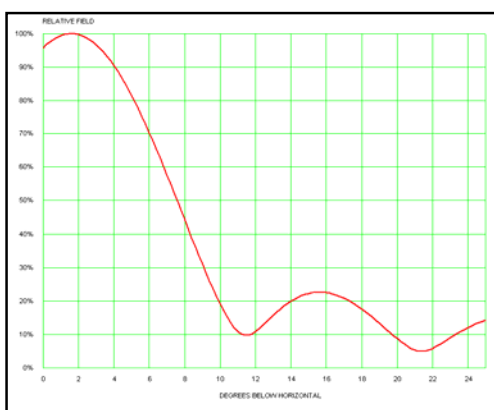
For Vertical / Horizontal polarisation



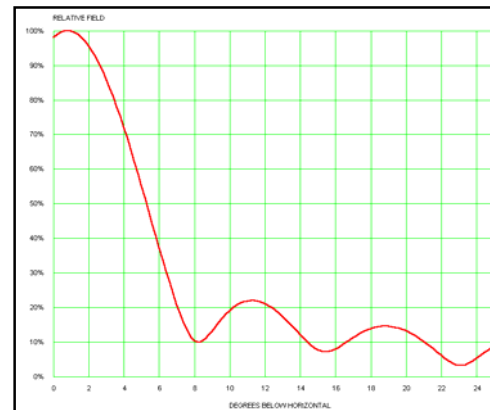
VRP of 2 tier Antenna



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%

Specification

Frequency Range

: 88 - 108 MHz

Polarisation

: Vertical / Horizontal

Power Rating - according to input connector

1 5/8" EIA

: 18.8kW

7/8" EIA

: 5 kW

7.16 DIN

: 3.8 kW

Input Impedance

: 50 Ω

VSWR

: 1.1:1

Gain (relative to halfwave dipole)

: 7.5dB

Lightning Protection

: DC Grounded

Construction

: Hot dip galvanised steel

Ice Protection

: GRP feed point cover

Weight

: 104 kg

Aerodynamic Wind Area

front
side

: 1.4 m sq

: 0.55 m sq

Packed Weight

: 148 kg

Shipping Volume, average

: 0.82 m cu