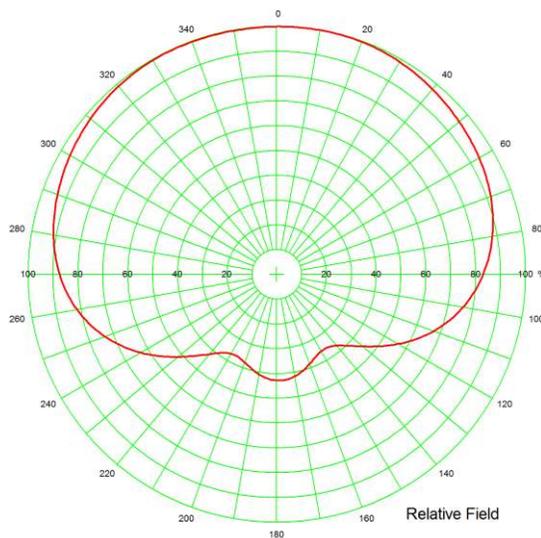
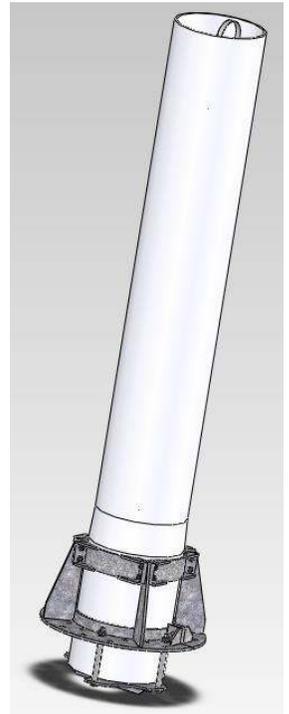


VERTICALLY POLARISED BROADBAND UHF CARDIOID ANTENNA

The 2 lambda cardioid antenna is designed to produce a wide cardioid Horizontal Radiation Pattern (HRP) from an array of co-linear full wave vertical dipoles. The dipoles are mounted to the narrow edge of aluminium 150mm x 50mm channels with a sheet metal cover containing the LCF 1/2" distribution cables. A single model can cover the UHF band 470MHz to 800MHz. The 2 lambda cardioid is fed via a single input and designed to be top mounted within a 425mm diameter GRP radome. The cardioid antenna is suitable for multiple DVB-T2 or Analogue channels. With a durable and rugged construction the antenna is designed for many years of trouble free operation.



Typical Horizontal Radiation Pattern

In pursuance of continual product improvement, Alan Dick reserve the right to change Specifications without prior notice

Typical Specification

Polarisation	Vertical
Frequency Range	470 - 800MHz
Impedance	50 ohm
VSWR	<1.22:1
Max Gain	5.43dBd
Beam Tilt	11.5°
Low Freq Max Power	2.3kW
Input Connector	1 x 1 5/8"
Length/Diameter	2100mm / 425mm
Weight	207kg
Effective Projected Area	0.6 sq. m
Lightning Protection	DC Grounded
*Design wind speed	75 m/s
Max wind speed without Damper	195 m/s
Max wind speed with Damper	120 m/s

*If used in an environment where the wind speeds regularly exceed the stated design speed please contact the office for verification.