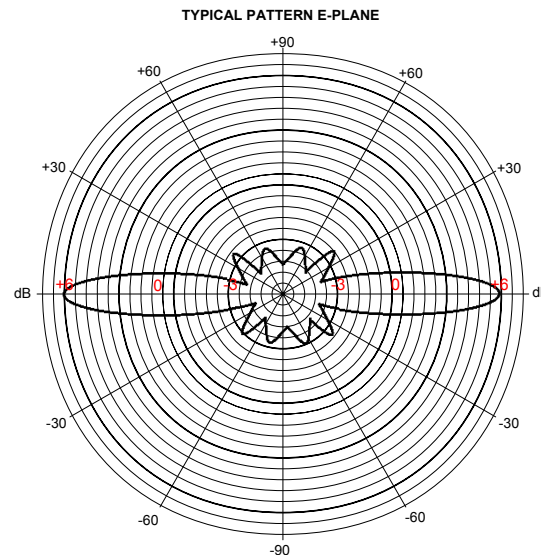
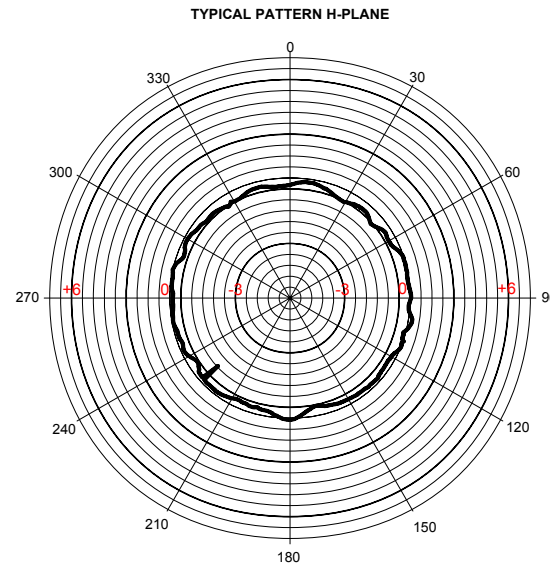




PRODUCT PICTURE



RADIATING PATTERNS

Polarisation / Polar Radiation	Vertical / Omni-directional
Frequency	Spot frequency 400-500MHz - BM-02766 = 420MHz
Gain	6dB / 8.1dBi
VSWR	< 1.5:1 (at resonant point)
Bandwidth	4% (Typical @ 2:1)
Impedance	50 Ohms
Cable / Connector	1m RG213 / N Type Male
Power Rating	150w
Element / Tube / Sealing Base	Solid Brass / GRP Sealed with Epoxy Resin / Aluminium
Operational Temperature	-40°c to +85°
Overall Length	2630mm / 8.63ft
Weight	1.2kg / 2.65lbs
Protection	IP66
Rated Wind Velocity / Horizontal Thrust	119.93mph (193km/h) / 8.2kg (18.1lbs)

TECHNICAL SPECIFICATION

The bloomice CAT-UHF/420 is a 6dB (8.1dBi) medium gain stacked collinear, end fed rugged antenna suitable for Digital PMR and PMR applications. The solid brass radiating elements are embedded within an RF grade polyurethane foam to ensure excellent long term stability.

These are then encapsulated within a rugged conical GRP UV stable, low wind load, marine grade, waterproof tube which guarantees long term performance excellence.

The bloomice CAT-UHF/420 antenna is supplied with a complete set of 'V Clamp' brackets that facilitate a rigid fixing point to either a vertical or horizontal pole.

All metallic elements within the core structure of the antenna are DC grounded to ensure extraneous noise levels caused by atmospheric changes are appropriately dissipated.

The bloomice CAT-UHF/420 antenna has excellent bandwidth and VSWR characteristics which can be tuned to a spot frequency at any point between 400MHz and 500MHz (BM-02766 is spot tuned to 420MHz).

PRODUCT FEATURES