

## DATASHEET

### DUAL BAND VHF AND UHF MOBILE GD ANTENNA

138 – 162 / 450 – 510 MHz



The 025703 antenna is a unity gain dual-band ground-dependent antenna covering both the bands 138 – 162 MHz and 450 – 510 MHz. It comes complete with a flexible radiator and Stainless-Steel Spring. It is ideally suited to emergency services. This antenna has dual-band integration and comes with one base termination for both bands.

#### APPLICATIONS

Emergency Services mobile communication

#### TUNING

Factory tuned

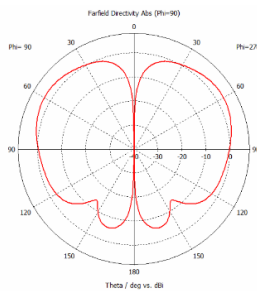
#### FEATURES

- Dual Band operation
- Broad bandwidth
- Stainless Steel bellied Spring
- Rugged Flexible Radiator
- Mounting to standard UHF bases e.g., 02740

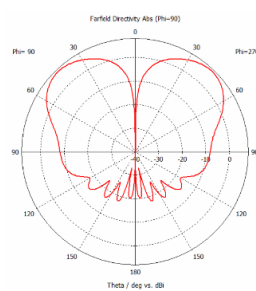
#### MOUNTINGS

Suitable for UHF base 5/16"26TPI male  
Centre mounting on 1 x 1 mtr metal roof for best results

#### RADIATION PATTERN

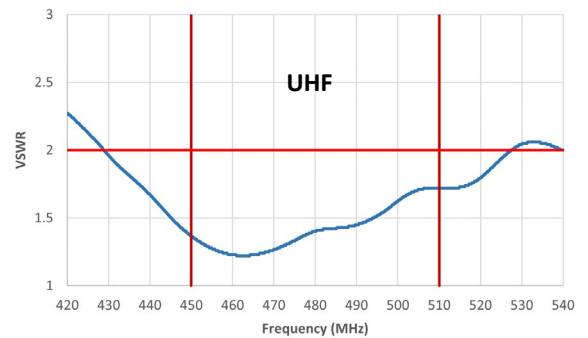
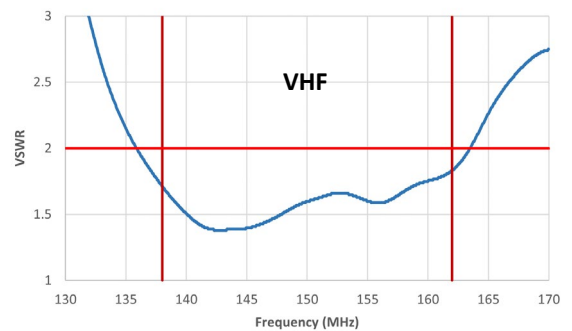


Frequency = 162 MHz  
Main lobe magnitude = 2.82 dBi



Frequency = 450 MHz  
Main lobe magnitude = 7.02 dBi

#### VSWR



#### SPECIFICATIONS

Frequency	138 – 162 MHz and 450 – 510 MHz
Gain	Unity Gain, peak at 45°–60° elevation
VSWR	< 2:1 both bands
Impedance	50 Ω nominal
Polarisation	Vertical
Termination	5/16"26TPI Female (suitable for UHF base 02740)
Power Rating	50 watts
E Plane beamwidth	30°, 60°
H Plane beamwidth	360 deg both bands
Antenna Weight	0.6 kg
Antenna Length	460 mm

#### PACKAGING

Plastic bag, G.W. 0.7kg

#### WARRANTY

**3 years** (Please refer to [Benelec Terms & Conditions](#))