

Part No. **024576W** Cellular 3G Hi Gain Mobile Antenna (White)

The 024576W antenna is multi-band antenna intended for use in the 3G cellular bands 825-960 MHz and 1710-2200 MHz. The 024576W antenna does away with the need for three separate antennas whilst maintaining high gain across the band 825-960 MHz. The antenna utilizes a small cable lead directly attached to the antenna which allows for ease of installation. It is light weight, fitted to a stainless steel spring and is intended to match the look of Benelec UHF citizens band antenna [026385](#), in either a black or white radome.

Applications

Mobile Multi-band, Light weight multi-band Base Station.

Tuning

Factory tuned, no further tuning required.

Features

- ✓ Multi Band performance
- ✓ 7.5dBi Gain @ 825-960 MHz
- ✓ 3.0dBi Gain @ 1710-2200 MHz
- ✓ Easy to install
- ✓ Fibreglass & Thick walled Radome
- ✓ Light weight
- ✓ Polished Barrel Stainless Steel Spring
- ✓ Designed and manufactured in Australia by Benelec Pty. Ltd, a 100% Australian owned

Optional Mountings

- 02728** Mirror Bracket
- 02730** Right Angle Stainless Steel Bull Bar Bracket
- 027303** Adjustable Tilt Lip Mount
- 02732** Extra Heavy Duty Polish Stainless Steel Bull Bar Bracket
- 027321** Extra Heavy Duty Polish Stainless Steel Bull Bar Bracket - large
- 02734** Stainless Steel "Z" Bracket
- 02714S** Slope-Adjustable Gutter Grip
- 027423** Universal Suction Mag-Base

Warranty

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

Specifications

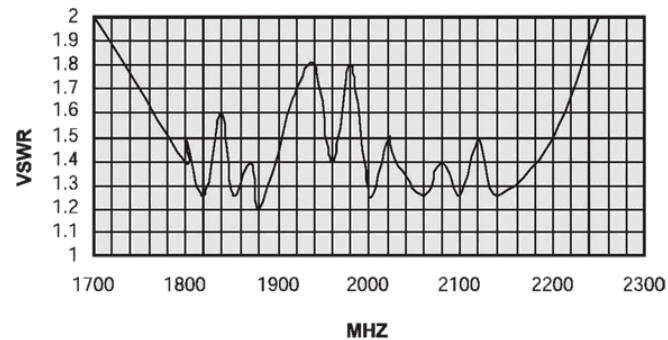
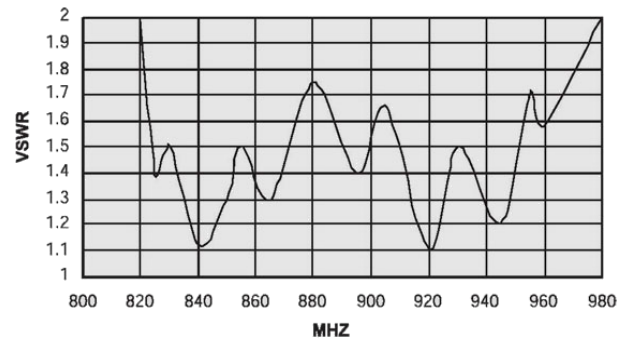
Frequency:	@825 –960 MHz Tuned Bandwidth 135 MHz; @ 1710-2200 MHz Tuned Bandwidth 490 MHz	
Gain:	7.5dBi* @ 825-960 MHz & 3.0dBi* @ 1710-2200 MHz	
Impedance:	50 Ω	Length: 1.07 m (includes spring assembly)
Operating VSWR:	2.0:1	Width: Fibreglass: 16mm; Spring: 35mm
Radiation Pattern:	Omni Directional	Weight: 0.75 kg
E Plane Beamwidth:	18 Deg @ 820-960MHz	Termination: FME Socket 5m LL195 Cable Tail **
		Construction: Fibreglass Radome, S/Steel Spring with Nickel Plated Brass fittings

* Gain over ¼ wave antenna on a ground plane

Packaging

Blister Packaging, one antenna per pack, 920 x 120 x 35 mm, Gross Weight 1.10 Kg.
10 pcs / Carton, 1400 x 205 x 235mm, Gross Weight 12 Kg

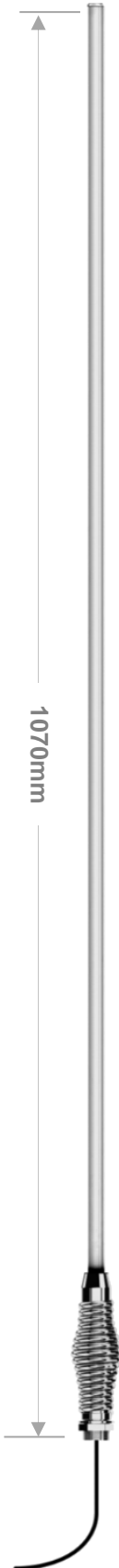
VSWR



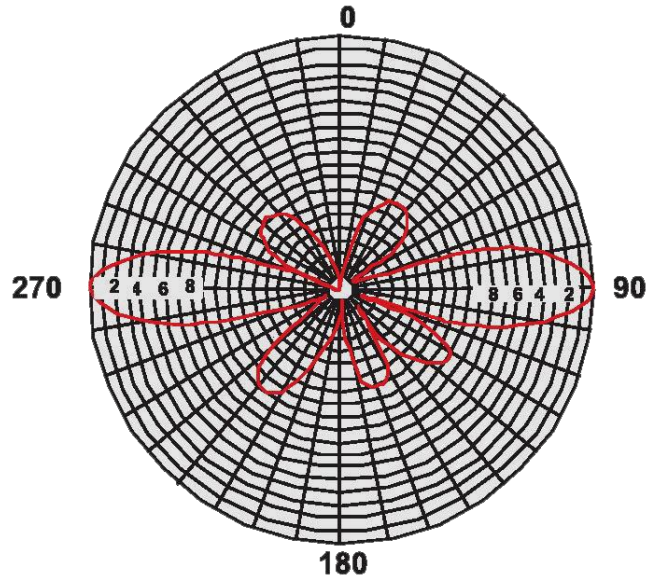
Optional FME Adaptors **

- 04911** TNCp adaptor
- 04912** mini-UHFp adaptor
- 04913** Np adaptor
- 04914** UHFp adaptor
- 04915** BNCp adaptor
- 04916** SMAp adaptor
- 04917** SMAs adaptor
- 04923** Ns adaptor

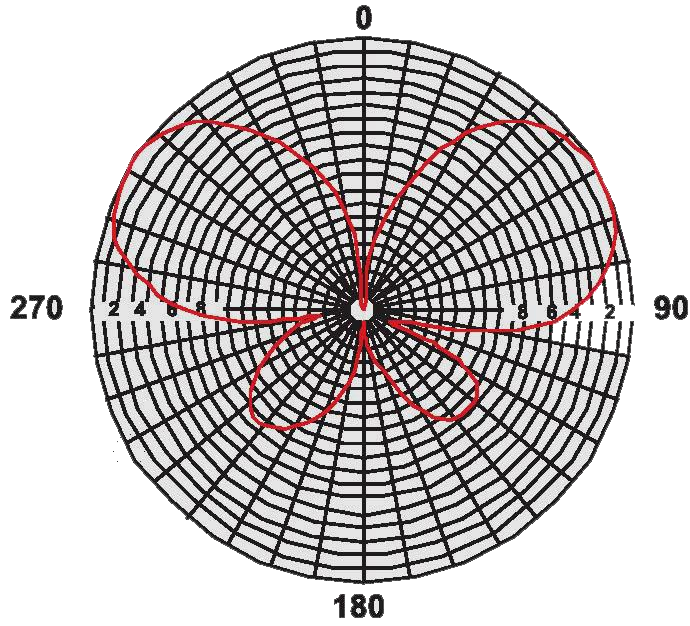
Radiation Pattern over leaf



Radiation Pattern



EPlane – 892 MHz



EPlane – 1900 MHz