

DATASHEET

SKU: 024575

Benelec Cellular 5G 6dBi Mobile Collinear Spring

The 024575 antenna is a multi-band mobile 5G-ready cellular antenna intended for use in the frequency bands 690 – 960 MHz, 1710 – 2700 MHz and 3500 – 3700 MHz. The 024575 antenna eliminates the need for three separate antennas while maintaining high gain across the band. The antenna utilises a low-loss cable lead directly attached to the antenna, which allows for ease of installation. The antenna is lightweight, enclosed in a thick-walled fiberglass radome and is fitted to a stainless-steel spring.

APPLICATIONS

- Mobile and cellular communications
- Cellular Repeaters
- Multi-band base station

TUNING

Factory tuned; requires no further tuning.

FEATURES

- Multi-Band Performance
- Easy to install
- Fiberglass and thick-walled radome
- Light weight
- Plated heavy duty barrel stainless steel spring.
- Designed and manufactured in Australia.

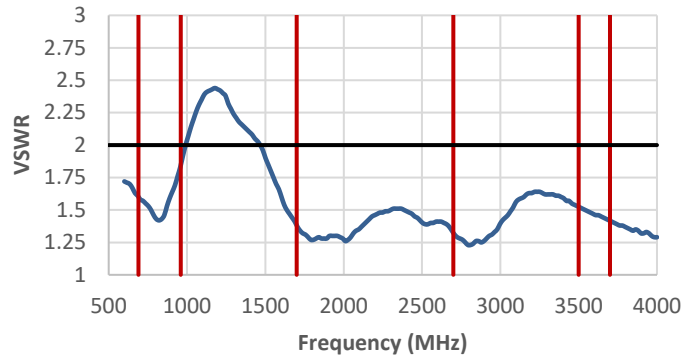
OPTIONAL MOUNTINGS

Please refer to our website for all Mountings.

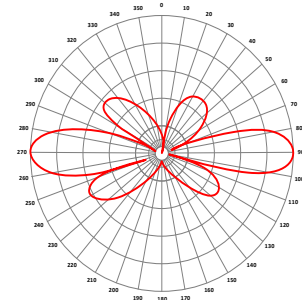
SPECIFICATIONS

| | |
|-----------------------|--|
| Frequency | 690 – 960 MHz Tuned Bandwidth 270 MHz 1710 – 2700 MHz Tuned Bandwidth 990 MHz 3500 – 3700 MHz Tuned Bandwidth 200 MHz |
| Gain | 6 dBi (690 – 960 MHz) 3 dBi (1710 – 2700 MHz) 3 dBi (3500 – 3700 MHz) |
| Impedance | 50 Ohm |
| VSWR | < 2:1 |
| Radiation Pattern | Omni-directional |
| E Plane 3dB Beamwidth | 60 deg |
| Length | 905 mm (includes spring assembly) |
| Width | Fiberglass: 16 mm (0.6") Spring: 35 mm (1.4") |
| Weight | 0.75 kg (1.65 lbs) |
| Termination | SMA Plug, 5 m (16') RG58 Cable Tail (05603) |
| Construction | Fiberglass Radome, Black Coated Stainless-Steel Spring |

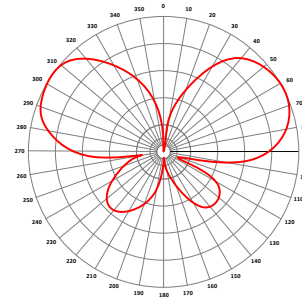
TYPICAL VSWR



RADIATION PATTERN



E Plane 896 MHz



E Plane 1900 MHz

PACKAGING

Cyan PVC bag, one antenna per bag

WARRANTY

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

Website: benelec.au

