

## DATASHEET

### CELLULAR 5G 3.0/7.5dBi DUAL GAIN MOBILE ANTENNA KIT

The 024579RK antenna is multi-band 5G ready cellular dual antenna kit intended for use in frequency bands 690 – 960 MHz, 1710 – 2700 MHz and 3500 – 3700 MHz. The 024579RK kit antennas offer a genuine, respective, 3.0dBi and 7.5dBi of gain on the horizon at the designated frequency of operation. The construction of each antenna features an enclosed thick-walled fiberglass radome, with the antenna detachable from the mounting spring.

#### APPLICATIONS

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

#### TUNING

Factory tuned; no further tuning required.

#### FEATURES

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

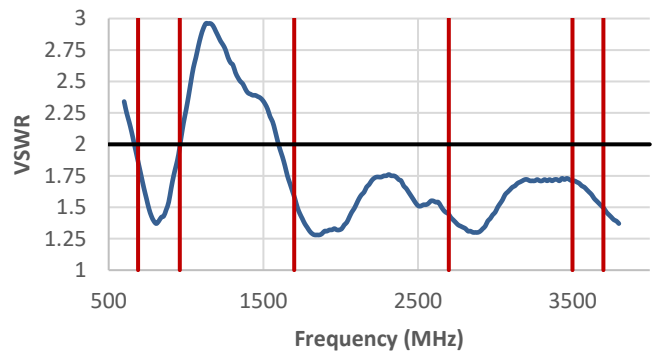
#### OPTIONAL MOUNTINGS

- 027265 Gutter Grip All Stainless-Steel Construction
- 02728 Mirror Bracket Stainless Steel
- 027291 Stainless Steel "L" Bracket
- 02730 Right-Angle Stainless-Steel Bull Bar Bracket
- 027303 Adjustable Tilt Lip Mount
- 02732 Extra H/Duty Stainless Steel Bull Bar Bracket
- 02734 Stainless Steel "Z" Bracket
- 027145 Slope-Adjustable Gutter Grip
- 027313 (45mm/1.8"), 027314 (50mm/2"), } Wrap Around
- 027315 (63mm/2.5"), 027316 (76mm/3") } BB brackets
- 027423 Mag Base Kit SUPER SUCKER

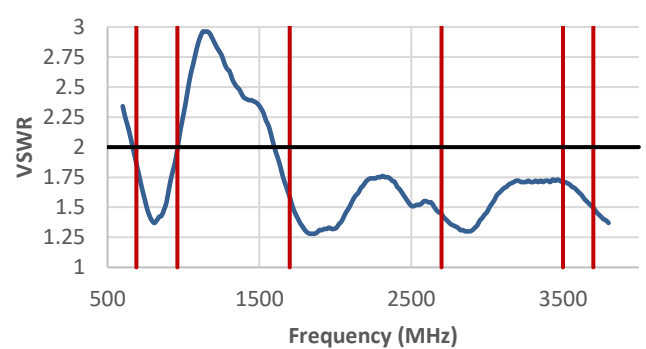
#### SPECIFICATIONS

Frequency	690 – 960 MHz Tuned Bandwidth 270 MHz 1710 – 2700 MHz Tuned Bandwidth 990 MHz 3500 – 3700 MHz Tuned Bandwidth 200 MHz
Gain	3dBi/7.5 dBi (690 – 960 MHz) 3 dBi (1710 – 2700 MHz) 3 dBi (3500 – 3700 MHz)
Impedance	50 Ω
Operating VSWR	< 2:1
Radiation Pattern	Omni Directional
E Plane Beamwidth	3dBi = 60 Deg, 7.5dBi = 14 Deg
Length	3dBi antenna = 440mm, 7.5dBi antenna = 1240 mm (includes spring assembly)
Width	Fiberglass: 16mm (0.6") Spring: 35mm (1.4")
Weight	3dBi antenna = 0.76 kg (1.7 lbs), 7.5dBi antenna = 0.84 kg (1.8 lbs)
Termination	SMA Plug, 5m (16.4') Low Loss RG58 Cable Tail (05603)
Construction	Fiberglass Radome, Black Coated Stainless-Steel Spring and Brass Ferrule

#### VSWR-3.0dBi



#### VSWR-7.5dBi



#### PACKAGING

Cyan PVC Bag, one antenna per pack, Size: 134 mm (W) x 1300 mm (L) (5.3" x 51"),  
Gross Weight: 1.73 Kg (3.8 lbs)

Carton, 15pcs per carton,  
Size: 1350 mm x 220 mm x 220mm (43" x 8" x 8"),  
Gross Weight: 18.5 Kg (40.79 lbs)

**Note:** This antenna is also sold in separate kit form, please refer to 024573R (3dBi) and 024579R (7.5dBi)

#### WARRANTY

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