

DATASHEET

PART NO: **024584**

CELLULAR 5G DIPOLE ANTENNA

The 024584 is an economically priced, compact, unity gain 5G antenna suited for use in bands 690 – 960 MHz, 1710 – 2700 MHz & 3500 – 3700 MHz. It comes standard with 3 m (10 ft) of low loss cable terminating to a SMA male connector and is suited for mounting onto a wall bracket. This antenna can be used inside or outside, in fixed applications. The 024584 is decoupled from the feed cable and offers a clean radiation pattern at all frequencies.

APPLICATIONS

Fixed solutions suited for use in the 5G cellular bands: 690 – 960 MHz, 1710 – 2700 MHz & 3500 – 3700 MHz.

TUNING

Factory tuned; no tuning required

FEATURES

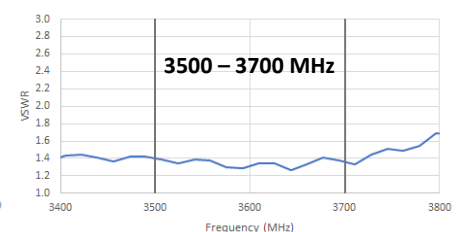
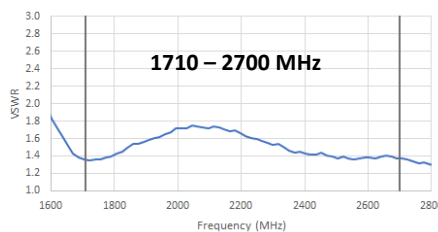
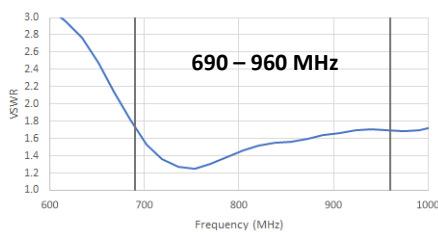
- Cellular **5G** (compatible with 4G & 3G)
- Economically priced
- Can be used inside or outside
- Comes complete with 3m (10 ft) of low loss cable terminating to a SMA male connector
- Reliable, durable and compact
- Ground plane independent
- May be mounted vertically or horizontally
- Mtg Stud 16 mm (0.6") BSW
- Depth 17.6 mm (0.7")



OPTIONAL MOUNTINGS

- [027281](#) Stainless Steel Wall Bracket 223 mm (8.8")
- [02729](#) Stainless Steel Wall Bracket 58 mm (2.3")
- [02728](#) Stainless Steel Pole Bracket 30 mm (1.2")

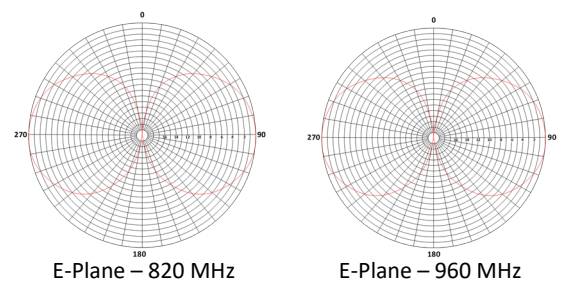
VSWR



SPECIFICATIONS

Frequency	@ 690 – 960 MHz, Tuned BW 270 MHz @ 1710 – 2700 MHz, Tuned BW 990 MHz @ 3500 – 3700 MHz, Tuned BW 200 MHz
VSWR	< 2.0:1
Gain	1.8 – 4.7 dBi
Impedance	50 Ω nominal
Radiation Pattern	Omni directional
E-Plane 3dB Beamwidth	80 °
Projected Area	0.008370 m ² (0.027 ft ²)
Power	5 Watts
Length	186 mm (7.3")
Weight	200 g (7 oz)
Termination	3m (10 ft) Low Loss Cable, SMA Male
Wind Loading @ 160 KPH	1.85 kg (4 lb)

RADIATION PATTERNS



WARRANTY

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

PACKAGING

Poly Bag – 20 pcs / Carton @ G.W. 5 kg (11 lb),
300 mm x 300 mm x 300 mm (12" x 12" x 12")