



**Benelec Cellular 5G Base Dipole Antenna**

617–960MHz, 1710–2700MHz, & 3500–6000MHz

The 024584 is a cost-effective, compact unity-gain 5G antenna designed to operate across 617–960 MHz, 1710–2700 MHz, and 3500–6000 MHz frequency bands. It includes a standard 3 m low-loss cable with an SMA plug connector, making it well-suited for wall-mounted installations. Ideal for both indoor and outdoor fixed applications, the antenna is engineered for feed cable decoupling, providing a clean and consistent radiation pattern across all supported frequencies.

**FEATURES**

- Cellular 5G (compatible with 4G)
- Economically priced
- Suitable for both indoor and outdoor
- Includes a 3m (10 ft) low loss cable terminated with SMA Plug
- Compact, durable and reliable design
- Ground plane independent
- Can be mounted vertically or horizontally
- Equipped with a 16 mm (0.6”) BSW mounting stud
- Depth 17.6 mm (0.7”)

**APPLICATION**

Fixed solutions suited for use in the 5G cellular bands:  
617 – 960 MHz, 1710 – 2700 MHz & 3500 – 6000 MHz



**SPECIFICATIONS**

<b>Frequency</b>	@ 617 – 960 MHz, Tuned BW 343 MHz @ 1710 – 2700 MHz, Tuned BW 990 MHz @ 3500 – 6000 MHz, Tuned BW 2500 MHz
<b>Gain</b>	1.8 – 4.7 dBi
<b>VSWR</b>	<= 2.0:1 in band
<b>Impedance</b>	50 Ω
<b>Radiation</b>	Omni-directional
<b>E-Plane 3dB Beamwidth</b>	80 °

<b>Projected Area</b>	0.008370 m2 (0.027 ft2)
<b>Power</b>	5 Watts
<b>Termination</b>	3m (10 ft) Low Loss Cable, SMA Plug
<b>Wind Loading @160 KPH</b>	1.85 kg (4 lb)
<b>Length</b>	203 mm
<b>Net Weight</b>	205 g

**PACKAGING**

Poly Bag, 20 pcs / Carton  
Carton Dimensions: 300 x 300 x 300 mm  
Gross Weight : 4.9 kg



**WARRANTY**

**3-Year Warranty**  
(Refer to Benelec Terms and Conditions)



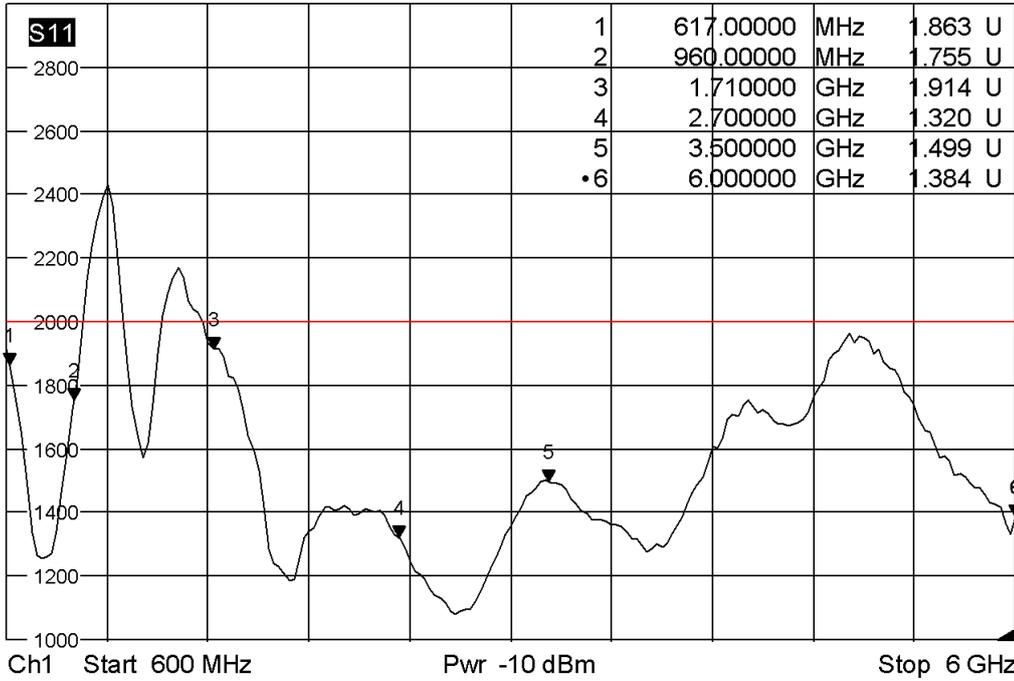
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**VSWR**



Trc1 **S11** SWR 200 mU/ Ref 1 U Cal Smo 1



**RADIATION PATTERNS**

