

## DATASHEET

SKU: 02623

### Benelec UHF 4.5dB Mobile Ground Plane Antenna

470-490MHz

650 mm



The 02623 is 4.5dB gain, roof mount Fibreglass Antenna covering the 470-490 section of the UHF commercial Mobile Radio Bands. The 02623 antenna offers a genuine 4.5dB\* of gain on the horizon across the whole designated band of operation when installed on a Ground Plane (as a radiator on the 02635 it is part of a 6.5dB\* system). It is designed for optimum performance on the 02740 mobile base and covers the entire respective designated bands of operation under 1.5:1 VSWR. Its' fibreglass construction with heatshrink fit coating ensures smooth strong and flexible finish.

#### APPLICATION

Mobile coverage for 470-490MHz section of UHF Commercial Radio Band. Replacement radiator for 6.5dB\* 02635 antenna system.

#### TUNING

Performance can vary depending on the mounting method. Unlikely to need tuning within band. For optimum return loss the antenna can be clipped to tune it to a specific mounting location. Refer to Tuning Methods in our Technical Information Section on our web site.

#### FEATURES

- Solid Fibreglass rod, copper braided radiators
- Smooth black heatshrink outer jacket
- Flexible
- Compact

#### OPTIONAL MOUNTINGS

*Please refer to our website for all 16mm Mountings and optional Coaxial Adaptors*

#### SPECIFICATIONS

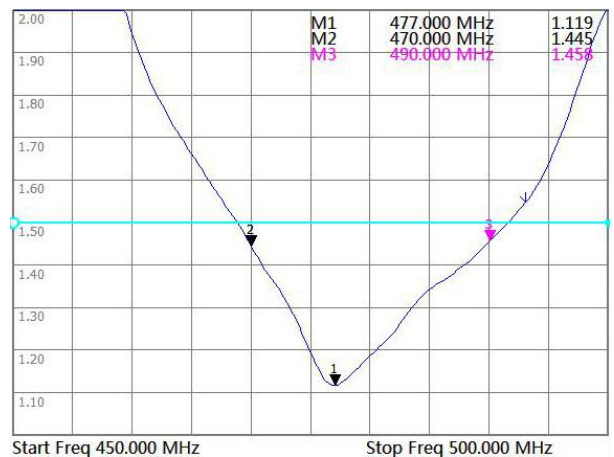
Frequency	470-490 MHz
Gain	4.5 *dB
Impedance	50 Ω
Radiation Pattern	Omni Directional
E Plane Beamwidth	15 Deg
Length	650 mm
Weight	63 g
Termination	5/16" 26TPI Female Ferrule
Construction	High Gain Stainless Steel Whip top

\*dB Gain reference is relative to a ¼ wave on a ground plane

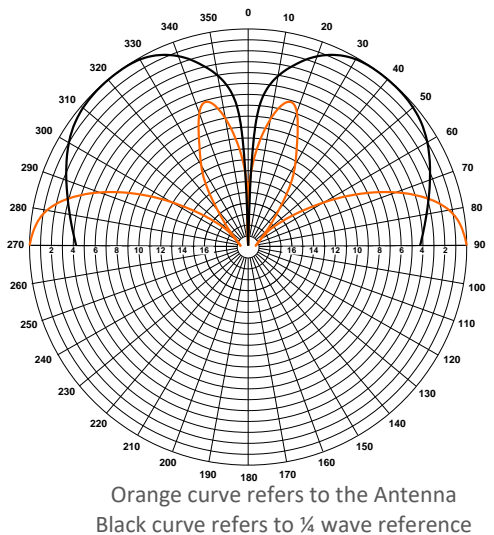
#### PACKAGING

PE Clear Plastic bag, Poly Product Label. 100 pcs per Shipping carton 7.80 Kg/carton

#### VSWR



#### RADIATION PATTERNS



#### NOTE:

1. When used as a replacement for 02635 elevated Feed antenna radiator, 02623 / 02623H should be used as supplied.
2. When used as an antenna mounted on 02740/10108 bases, to optimise the performance, the top cap must be

#### WARRANTY

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

Website: [benelec.au](http://benelec.au)