

Benelec Mining High Vibration 5G Cellular Antenna

0.6-7.2GHz | N Socket

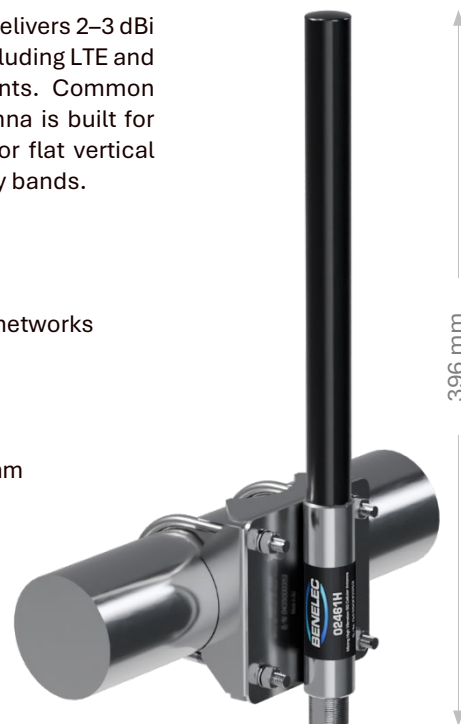
The 02461H is a high-performance antenna designed for 5G cellular applications. It delivers 2–3 dBi gain across the tuned band and is optimised for a wide range of wireless systems, including LTE and Private LTE networks, supporting both current and future frequency requirements. Common applications include mining operations for data and video transmission. The antenna is built for high-vibration environments and can be mounted on vertical or horizontal tubes or flat vertical surfaces. Its unique radiator design ensures low VSWR across the relevant frequency bands.

FEATURES

- Matt black fibreglass radome
- Fixed N socket connector
- Pole mounting vertically and horizontally
- Slim and compact design
- Ultra-rugged construction
- Suitable for high-vibration environment
- Factory tuned; no further tuning required
- Designed and manufactured in Australia

APPLICATION

Mining vehicle, LTE and Private LTE networks

MOUNTING**Vertical Round Member** – 25 - 63mm**Horizontal Round Member** – 25 - 63mm**Vertical Panel** – 4 hole plate**Horizontal Round Members****Vertical Round Members****Vertical Panel**

Vertical Panel or Vertical /
Horizontal round members
25 – 63mm.

Mounting hardware included.

SPECIFICATIONS

Frequency	0.6-7.2GHz
Gain	2-3dBi across the wide band
VSWR	<2.2:1 (600MHz- 7.2 GHz)
Impedance	50 Ω
Polarisation	Vertical
Radiation	Omni-directional
Temperature Rating	-20 to + 80 deg C
Termination	N Socket

Horizontal Beamwidth (AZ)	360 deg +/- 2 dB Az deviation at main beam max
Vertical Beamwidth (EL)	70-100 deg
Power Rating	15 watts (RMS)
Length	396 mm
Diameter	22 mm (Max.)
Construction	Welded Stainless-steel
Net Weight	850 g

PACKAGING

Cardboard box, 20 pcs / Carton

Carton Dimensions: 510 x 290 x 190mm

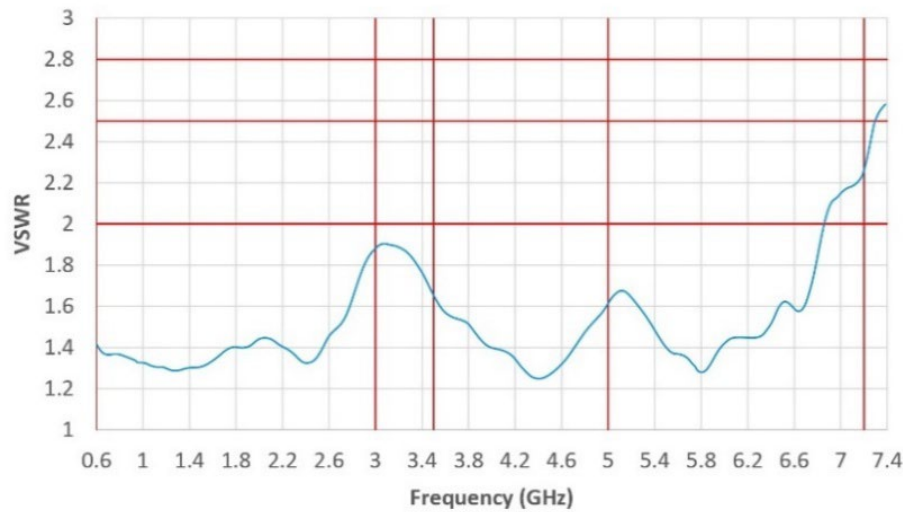
Gross Weight: 17.5 kg

**WARRANTY****3-Year Warranty**(Refer to [Benelec Terms and Conditions](#))

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VSWR



RADIATION PATTERN

