

# Powertec 4G-5G Outdoor Wall Mount Antenna, 698 to 4000 MHz, N Female

SKU: ANT-BH-00088

MPN: VPA-6940-7.N2

Barcode: 9337692004292

## Description

The Powertec 4G-5G Outdoor Wall Mount Antenna is a versatile solution designed to enhance wireless communications across a broad frequency range from 698 to 4000 MHz. Its robust construction with aluminium and ABS plastic ensures durability in diverse environmental conditions, operating effectively between -40 °C and 65 °C. This antenna is particularly suited for outdoor deployment in network infrastructure, supporting applications that demand reliable 4G and 5G connectivity.

With a vertical polarisation and a peak gain ranging from 5.5 dBi to 8.0 dBi, it efficiently boosts signal reception and transmission, making it ideal for improving mobile network coverage and capacity in both urban and rural settings. The antenna's N Female RF connector and 50  $\Omega$  impedance facilitate easy integration with existing network systems. Additionally, its compact design, weighing only 0.4 kg, allows for straightforward installation using a pole clamp mount...

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### Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

# RF Specification

|                   |          |                  |              |
|-------------------|----------|------------------|--------------|
| Start Frequency:  | 698 MHz  | Polarisation:    | Vertical (V) |
| Stop Frequency:   | 4000 MHz | Input Impedance: | 50           |
| Max. Input Power: | 50 W     |                  |              |

## RF Connectors

| Ports | RF Interface | Body Shape |
|-------|--------------|------------|
| 1     | N Female     | Straight   |

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR    | Azimuth | Elevation | F/B Ratio |
|-------------|------------|-----------|---------|---------|-----------|-----------|
| 698 MHz     | 806 MHz    | 5.5 dBi   | < 2:1   | 100°    | 90°       | > 9 dB    |
| 806 MHz     | 960 MHz    | 6.5 dBi   | < 2:1   | 85°     | 82°       | > 10 dB   |
| 1710 MHz    | 2700 MHz   | 8 dBi     | < 1.8:1 | 65°     | 60°       | > 15 dB   |
| 3300 MHz    | 4000 MHz   | 7 dBi     | < 1.8:1 | 50°     | 45°       | > 11 dB   |

# Physical Specification

|                             |                |             |                        |
|-----------------------------|----------------|-------------|------------------------|
| Subtype:                    | Panel / Sector | Dimensions: | 180 x 158 x 60         |
| Input Ports:                | 1              | Materials:  | Aluminium, ABS Plastic |
| MIMO:                       | 1x1 SISO       | Mounting:   | Pole Clamp 30 to 52 mm |
| Min. Operating Temperature: | -40 °C         | Weight:     | 0.4 kg                 |
| Max. Operating Temperature: | 65 °C          |             |                        |
| PIM, 3rd Order:             | -150 dBc       |             |                        |

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