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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 Ω 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 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
Stop Frequency
4000 MHz
Max. Input Power
50 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
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
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
PIM, 3rd Order
-150 dBc
Dimensions
180 x 158 x 60
Materials
Aluminium, ABS Plastic
Mounting

Pole Clamp 30 to 52 mm ⌀

Weight

0.4 kg

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