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# Powertec 4G-5G Outdoor Wall Mount Antenna, 698 to 4000 MHz, 4.3-10 Female

SKU
ANT-BH-00089
MPN
VPA-6940-7.432
Barcode
9337692004308

**Description**

The Powertec VPA-6940-7.432 antenna is a versatile panel antenna designed for outdoor applications, supporting a wide frequency range from 698 MHz to 4000 MHz. This antenna is ideal for enhancing wireless communication systems, providing stable connectivity across multiple bands, which makes it suitable for telecommunications, broadcasting, and data transmission applications. Its vertical polarisation and robust gain performance, ranging from 5.5 dBi to 8.0 dBi, ensure efficient signal propagation and reception, even in challenging environments.

Constructed from durable materials such as aluminium and ABS plastic, the antenna is designed to withstand harsh weather conditions, operating effectively between -40 °C and 65 °C. Its compact dimensions (180x158x60 mm) and lightweight design (0.4 kg) make it easy to install, either on poles with diameters between 30 mm and 52 mm or other mounting structures. The antenna's low passive...

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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 | Cable Series | Length |
|---|---|---|---|---|
| 1 | 4.3-10 Female | Straight | PSF-402 | 300 mm |

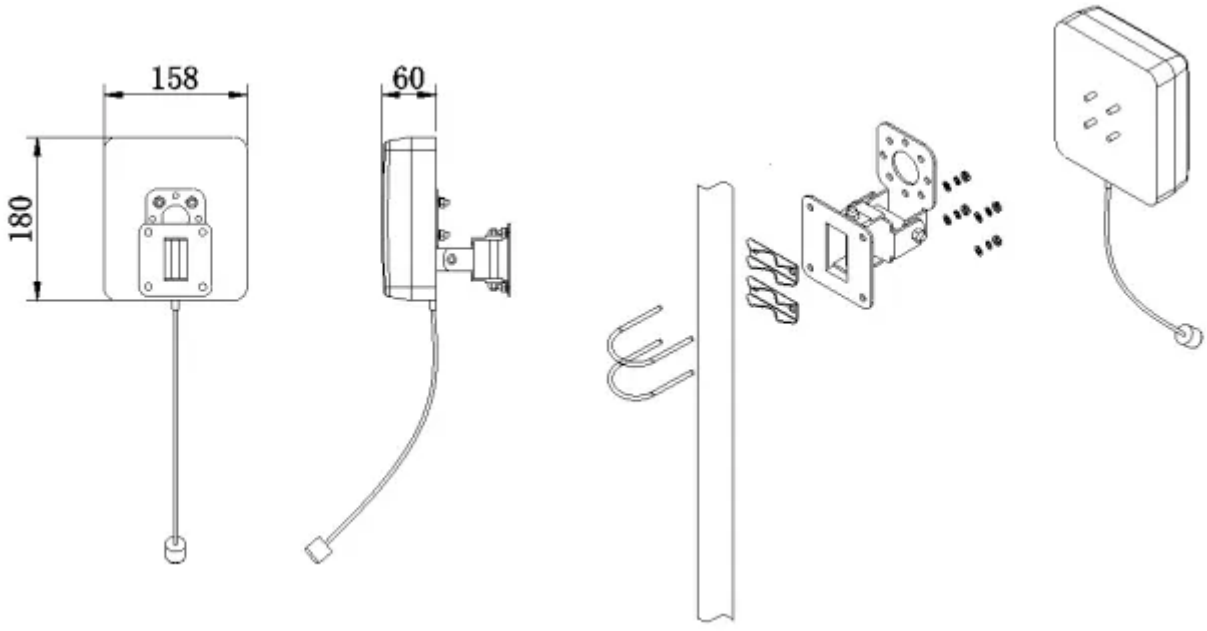
Frequency Test Data

| 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 |

| Start Freq. | Stop Freq. | Peak Gain | VSWR | Azimuth | Elevation | F/B Ratio |
|---|---|---|---|---|---|---|
| 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
180x158x60
Materials
ABS Plastic, Aluminium
Mounting
Pole Clamp 30 to 52 mm ⌀, Wall / Vertical Surface
Weight
0.4 kg
Drawing



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