

# Powertec Universal Ceiling-Wall Antenna



**Model Number:** VSP-6940-7.N2

**Polarisation:** Vertical

**Design Type:** Inside Directional

**RF Category:** Cellular

The Powertec Universal Ceiling-Wall Mount antenna allows flexible mounting on walls, ceilings or standalone on a tabletop. The modern design makes it perfect for businesses, houses, apartments, and many other in-building applications.

## Features

- 5G Ready: Covers 698–4000MHz (5G, 4G LTE, and 3G frequencies)
- Flexible vertical or horizontal mounting and positioning
- Light, compact and modern design (17.5 x 17.5 x 6.8cm / 0.5kg)
- N-female pigtail cable attachment
- 5.5 to 8dBi gain
- Beamwidth: 50–100° horizontal, 45–95° vertical.

# Antenna Technical Data

## ELECTRICAL SPECIFICATIONS

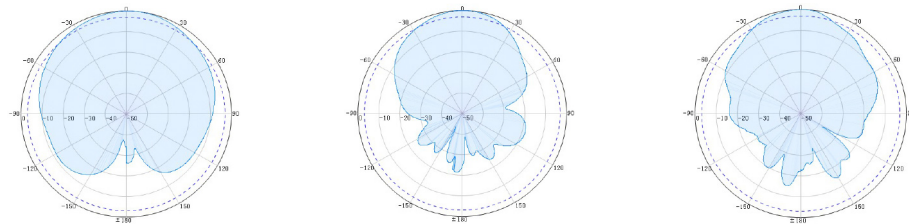
Frequency Range, MHz	698-960	1710-2700	3300-4000
Gain, dBi	5.5	8.0	7.0
VSWR	≤2.0	≤1.8	≤2.0
Polarization	Vertical		
Front to Back Ratio, dB	≥9	≥15	≥11
Horizontal Beam width	85°	65°	50°
Vertical Beam width	74°	60°	45°
Input Impedance	50 Ω		
Max. Input Power	50 W		
Lightning Protection	DC Ground		

## MECHANICAL SPECIFICATIONS

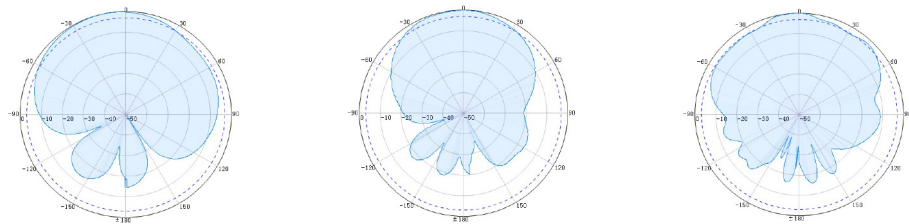
Connector	N Female	4.3-10 Female
Dimensions	173x173x70 mm	
Weight	0.5 kg	
Reflector Material	Aluminum	
Radome Material	ABS (UV Stabilized)	
Operating Temperature	-40°C to +65 °C	

# Radiation Patterns

## Horizontal



## Vertical



610MHz

2170MHz

3800MHz