

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

# **ComAnt Offset Pattern Dipole Antenna, 440 to 475 MHz, 5dBi, N Female**

SKU  
ANT-CA-00008  
MPN  
CA450D

## Description

The ComAnt Offset Pattern Dipole Antenna (SKU: ANT-CA-00008) by CompleTech is a robust solution designed for professional communication applications within the 440 to 475 MHz frequency range. Offering a peak gain of 5dBi, it ensures reliable signal performance and is housed in a durable ABS Plastic and Polyurethane enclosure. Its IP67 rating guarantees resistance to dust and water, making it suitable for harsh environments.

This antenna features a single N Female connector, facilitating seamless RF connections with 50  $\Omega$  impedance. It supports vertical polarisation, enhancing its adaptability for various transmission requirements. The antenna's meticulous design, compliant with RoHS standards, underscores CompleTech's commitment to environmental responsibility and quality, backed by ISO 9001 certification.

CompleTech's Finnish expertise since 1990 reflects in the antenna's engineering, focusing on modularity to cater to diverse VHF, UHF...

[Read More](#)



## [CompleTech](#)

CompleTech is a Finnish-owned company group specialising in the design, manufacturing and marketing of high quality ComAnt® communications antennas for professionals since 1990.

Radome enclosed IP67 proof ComAnt® antennas are in serial production covering all the main VHF-, UHF- and SHF-bands with different radiation patterns, polarizations and gains. The modularity principle makes it easy to turn ...

# RF Specification

Start Frequency

135 MHz

Stop Frequency

960 MHz

Polarisation

[Vertical \(V\)](#)

Input Impedance

50  $\Omega$

RF Connectors

## Ports RF Interface

1 [N Female](#)

Frequency Test Data

**Start Freq. Stop Freq. Peak Gain VSWR Azimuth Elevation**

440 MHz    475 MHz    5 dBi    < 1.5:1 179°    74°

# Physical Specification

Subtype

[Dipole](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

80 °C

Ingress Protection

[IP67](#)

Materials

[ABS Plastic](#), [Polyurethane \(PUR\)](#), [Beryllium Copper](#)

Compliance/Certifications

RoHS

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility

therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

