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# **ComAnt Bi-Directional Broadside Antenna, 440 to 475 MHz, 6dBi, N Female**

SKU  
ANT-CA-00004  
MPN  
CA450B2

## Description

The ComAnt Bi-Directional Broadside Antenna (Model CA450B2) by CompleTech is designed for reliable performance in the 440 to 475 MHz frequency range. With a peak gain of 6 dBi and a VSWR of less than 1.5:1, this dipole antenna offers robust RF performance, making it ideal for various communication applications.

Constructed with durable materials like ABS plastic, fibreglass, and polyurethane, the antenna is housed in a radome that meets IP67 standards, ensuring excellent protection against dust and water ingress. It operates efficiently in extreme temperatures ranging from -40 °C to 80 °C. The antenna features a single N Female RF connection, facilitating straightforward integration into existing systems.

CompleTech, a Finnish company known for its high-quality communication solutions since 1990, manufactures this antenna to comply with CE and RoHS certifications, reflecting its commitment to environmental standards and safety. The...

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## 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

440 MHz

Stop Frequency

475 MHz

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**

440 MHz      475 MHz      6 dBi      < 1.5:1

## Physical Specification

Subtype

[Dipole](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

80 °C

Dimensions

390

Ingress Protection

[IP67](#)

Materials

[ABS Plastic](#), [Fibreglass \(GRP\)](#), [Polyurethane \(PUR\)](#)

Mounting

[Pole Clamp 35 to 60 mm ø](#)

Weight

1.59 kg

Compliance/Certifications

CE

,

RoHS

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