

# 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 | Polarisation:    | Vertical (V) |
| Stop Frequency:  | 475 MHz | Input Impedance: | 50           |

## 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   | Dimensions:                | 390   |
| Input Ports:                | 1        | Ingress Protection:        | IP67  |
| MIMO:                       | 1x1 SISO | Materials:                 | ABS Plastic, Fibreglass (GRP), Polyurethane (PUR) |
| Min. Operating Temperature: | -40 °C   | Mounting:                  | Pole Clamp 35 to 60 mm                            |
| Max. Operating Temperature: | 80 °C    | Weight:                    | 1.59 kg   |
|                             |          | Compliance/Certifications: | CE  |
|                             |          | RoHS                       |   |

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