

# 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 ComleTech 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.

ComleTech, 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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## ComleTech

**ComleTech**  
ComAnt® antennas by ComleTech, Finland

ComleTech 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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