

# ComAnt Offset Pattern Collinear Antenna, 440 to 475 MHz, 11dBi, N Female

SKU: ANT-CA-00007  
 MPN: CA450C4

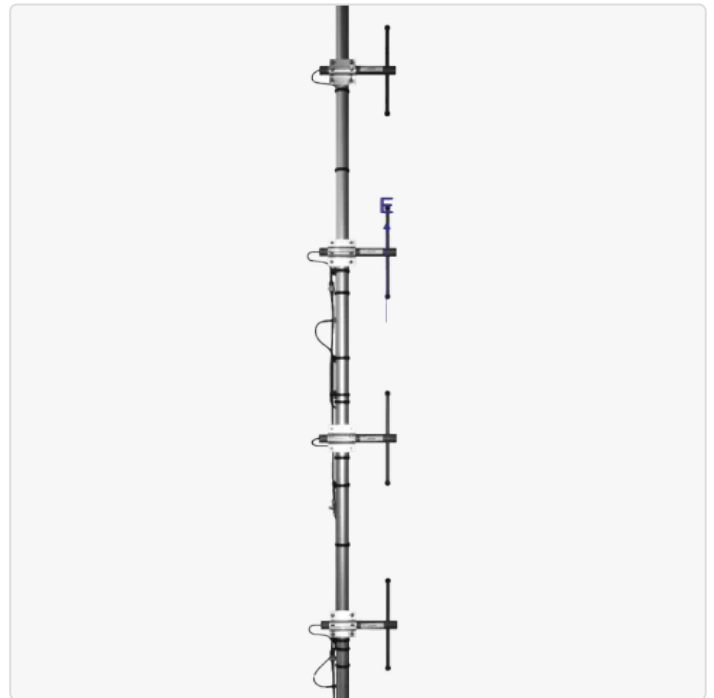
## Description

The ComAnt Offset Pattern Collinear Antenna (SKU: ANT-CA-00007) by CompleTech is a robust solution for professional communication systems operating between 440 and 475 MHz. With a peak gain of 11 dBi and a vertical polarisation, this antenna ensures optimal performance in demanding environments. Constructed from durable materials like ABS plastic, fibreglass, polyurethane, and beryllium copper, it boasts an IP67 rating, ensuring resistance to dust and water, making it ideal for outdoor applications across a wide temperature range of -40 °C to 80 °C.

CompleTech, a trusted Finnish manufacturer, incorporates modularity into the ComAnt® design, allowing easy adaptability across various VHF, UHF, and SHF bands. The antenna features a single RF input port with a 50 Ω impedance, supporting a seamless integration into existing systems with minimal VSWR (< 1.5:1) for efficient signal transmission.

ComAnt® antennas meet stringent CE and RoHS...

[Read More](#)



## RF Specification

|                  |  |                  |              |
|------------------|--|------------------|--------------|
| Start Frequency: | CompleTech<br>440 MHz  | Polarisation:    | Vertical (V) |
| Stop Frequency:  | CompleTech<br>475 MHz  | Input Impedance: | 50           |
| RF Connectors    | 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 ... |                  |              |

**Ports**

1

**RF Interface**

N Female

**Body Shape**

Straight

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR    | Azimuth |
|-------------|------------|-----------|---------|---------|
| 440 MHz     | 475 MHz    | 11 dBi    | < 1.5:1 | 360°    |

# Physical Specification

|                             |           |                            |   |
|-----------------------------|-----------|----------------------------|---|
| Subtype:                    | Collinear | Dimensions:                | 2295  |
| 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:                    | 3.43 kg   |
|                             |           | Compliance/Certifications: | CE  |
|                             |           | 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.

