

# ZCG UHF Base Station High Gain Collinear Antenna, 477 MHz, 8 dBi, N Female

SKU: ACC-ZC-00043

MPN: ZN2-77-06-AC

## Description

The ZCG UHF Base Station High Gain Collinear Antenna (SKU: ACC-ZC-00043) is engineered for robust performance in UHF communication systems. Operating at 477 MHz with an impressive 8 dBi gain, this antenna is ideal for applications requiring reliable long-range signal extension and coverage.

Constructed from durable aluminium, the antenna boasts an IP65 rating, ensuring resilience against harsh environmental conditions. It operates efficiently in temperatures ranging from -40°C to 80°C, making it suitable for varied outdoor applications. The antenna supports a 1x1 SISO configuration, featuring a single N Female RF connection, which simplifies integration into existing systems.

Certified to ISO 9001 standards, this antenna embodies high-quality manufacturing processes. The antenna functions effectively within a frequency range of 380 MHz to 520 MHz, supporting up to 150 W of input power with a 50 Ω impedance. Its vertical polarisation...

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## RF Specification

### Y400 Round Boom Yagi



ZCG Scalar™ is a world class radio frequency antenna designer, manufacturer and consulting organisation that offer an integrated approach to identifying RF solutions in partnership with client needs.

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Start Frequency:	380 MHz	Polarisation:	Vertical (V)
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Stop Frequency:	520 MHz	Input Impedance:	50
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Max. Input Power:	150 W
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#### RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight

#### Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
380 MHz	520 MHz	9 dBi	< 1.5:1
380 MHz	520 MHz	11.5 dBi	< 1.5:1
380 MHz	520 MHz	14 dBi	< 1.5:1

# Physical Specification

Subtype:	Yagi	Dimensions:	1200 x 47 x 400
Input Ports:	1	Ingress Protection:	IP65
MIMO:	1x1 SISO	Materials:	Aluminium
Min. Operating Temperature:	-40 °C	Weight:	0.6 kg
Max. Operating Temperature:	80 °C	Compliance/Certifications:	ISO 9001 Quality Management

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