

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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ZCG Scalar

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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RF Specification

Y400 Round Boom Yagi

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

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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