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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.

ZCG Scalar™ is an Australian owned business operating since 1970. We manufacture hundreds of antenna models to suit your RF communication and broadcasting requirements. The design and development of ...

RF Specification

Y400 Round Boom Yagi

Start Frequency
380 MHz
Stop Frequency
520 MHz
Max. Input Power
150 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
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
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
1200 x 47 x 400
Ingress Protection

IP65
Materials
Aluminium
Weight
0.6 kg
Compliance/Certifications
ISO 9001 Quality Management

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