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# ZCG WiFi 2.4 GHz High Gain Vehicle Spring Mount Antenna, 2400 to 2500 MHz, 8 dBi, 5m RP-SMA Male

SKU ACC-ZC-00061 MPN SG2400-8

### Description

The ZCG WiFi 2.4 GHz High Gain Vehicle Spring Mount Antenna (SKU: ACC-ZC-00061) is a robust and reliable solution for enhancing wireless connectivity in vehicles. Operating within the 2400 to 2500 MHz frequency range, this collinear antenna delivers a peak gain of 8 dBi, ideal for applications requiring extended range and improved signal strength. Constructed from durable fibreglass (GRP), it ensures longevity and resilience in various environmental conditions.

Designed by ZCG Scalar, an esteemed Australian manufacturer with decades of expertise in RF solutions, this antenna is vertically polarised and supports up to 10 W of input power, making it suitable for demanding communication needs. Its 50  $\Omega$  impedance and VSWR of less than 2.0:1 ensure optimal performance and efficiency.

The antenna features a 5-metre RP-SMA Male cable, offering flexibility in installation. With a 360° azimuth beamwidth and a 17° elevation beamwidth, it provides...

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#### ZCG Scalar

ZCG Scalar<sup>™</sup> 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<sup>™</sup> 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

Start Frequency 2400 MHz **Stop Frequency** 2500 MHz Max. Input Power 10 W Polarisation Vertical (V) Input Impedance 50 Ω **RF** Connectors **Ports RF Interface Length** RP-SMA Male 5000 mm 1 Frequency Test Data Start Freq. Stop Freq. Peak Gain VSWR Azimuth Elevation 2400 MHz 2500 MHz 8 dBi < 2:1 360° 17°

## **Physical Specification**

Subtype <u>Collinear</u> Input Ports 1 MIMO <u>1x1 SISO</u> Materials Fibreglass (GRP)

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