

# ZCG WiFi 2.4 GHz Vehicle Spring Mount Antenna, 2400 to 2500 MHz, 2 dBi, 5m RP-SMA Male

SKU: ACC-ZC-00058

MPN: MD2400-SPB

## Description

The ZCG WiFi 2.4 GHz Vehicle Spring Mount Antenna (SKU: ACC-ZC-00058) is designed for reliable wireless connectivity in vehicles. Operating within the 2400 to 2500 MHz frequency range, this collinear antenna provides a peak gain of 2.1 dBi and a VSWR of <1.5:1, ensuring efficient signal transmission. Its robust construction utilises fibreglass, aluminium, and stainless steel, making it durable for varying environmental conditions.

The antenna features a vertical polarisation and an omnidirectional azimuth beamwidth of 360°, ideal for consistent signal coverage. It connects via a 5m RG-58 cable, terminating in an RP-SMA Male connector, facilitating easy integration with existing systems. With a 50 Ω impedance and a power capacity of up to 10 W, it suits a wide range of applications including vehicular WiFi systems, fleet management, and mobile data networks.

Manufactured by ZCG Scalar in Australia, a leader in RF antenna solutions since 1970, this antenna reflects a commitment to quality and innovation. ZCG Scalar's expertise ensures that this product meets the demands of modern RF communication requirements, backed by decades of industry experience and a dedication to ongoing product development.

## RF Specification

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 ...

|                   |          |                  |              |
|-------------------|----------|------------------|--------------|
| Start Frequency:  | 2400 MHz | Polarisation:    | Vertical (V) |
| Stop Frequency:   | 2500 MHz | Input Impedance: | 50           |
| Max. Input Power: | 10 W     |                  |              |

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length  |
|-------|--------------|------------|--------------|---------|
| 1     | RP-SMA Male  | Straight   | RG-58        | 5000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR    | Azimuth |
|-------------|------------|-----------|---------|---------|
| 2400 MHz    | 2500 MHz   | 2.1 dBi   | < 1.5:1 | 360°    |

# Physical Specification

|              |           |             |  |
|--------------|-----------|-------------|--|
| Subtype:     | Collinear | Dimensions: | 73 x 16  |
| Input Ports: | 1         | Materials:  | Fibreglass (GRP), Aluminium, Stainless Steel (303) |
| MIMO:        | 1x1 SISO  | Weight:     | 0.25 kg  |

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.

