

# 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  $\Omega$  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.



### 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

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

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