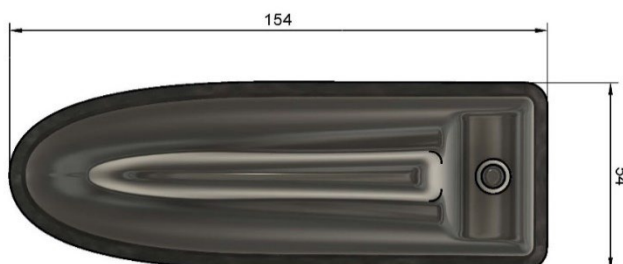


SK0200170 'Mallard' 2-in-1 Antenna Black incl. 5m Coax Cables

SureAntennas®



The 'Mallard' is a low-profile, multifunction antenna designed to **future-proof** blue-light and amber-light vehicle fleets, delivering **up to 9 functions** within a single, panel-mounted unit. This variant features **2 functions**.

With market leading isolation to **support ESN**, as well as your current **TETRA radio**, there is no need to drill multiple holes into your vehicle's roof due to **additional fitting kit options**.

The 'Mallard' supports **2x2 MiMo from 698MHz to 6GHz** with a minimum **4dBi gain** across the whole band. With the additional functionality of **4x4 MiMo 2.4/5.8GHz Wi-Fi function**, **2x GPS/GNSS Ports**, and **TETRA**, this antenna would be an ideal solution for future proofing your new vehicle installations for **ESN**.

With a single hole installation and a **wide frequency bandwidth** on offer, this antenna would help **reduce installation costs** and protect your vehicles resale value. For **other available cable options**, please contact us.

Also Available in White: Part No. SK0200230



Part No.

SK0200160

Cable Kit Options

Product Kit : Black 2 in 1 Mallard Antenna & 5m Coax Ext Cable Kit :
Terminated Cables

Additional options available upon request.

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SK0200170 'Mallard' 2-in-1 Antenna Black incl. 5m Coax Cables



Technical Specifications

Electrical Data		Wi-Fi
Frequency Range (MHz)		2.4 GHz & 5.8GHz
Band		2x2 MiMo Dual Band Wi-Fi
VSWR		<2.1:1 TYPICALLY 1.5:1
Gain		Minimum 4dBi
Isolation		<-25dB
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Power Input (W)		10W
Mechanical Data		
Dimensions (mm)		H80xW70xL230
Operating Temp (°C)		-40 / +80°C (-40° / 176°F)
Material		ABS/PC
Colour		Black
Weight (g)		310
Ingress Protection		IP66
Cable Data		
Cable Type		RG316
length		200mm
Diameter		2.8
Termination		SMA (m) Reverse Polarity
Mounting Data		
Mounting Type		Panel mount
Mounting Hole (mm)		15mm
Max Panel Thickness (mm)		10mm

Subject to change without prior notice.

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SK0200170 ‘Mallard’ 2-in-1 Antenna
Black incl. 5m Coax Cables



Supplied Coax Extension Cables

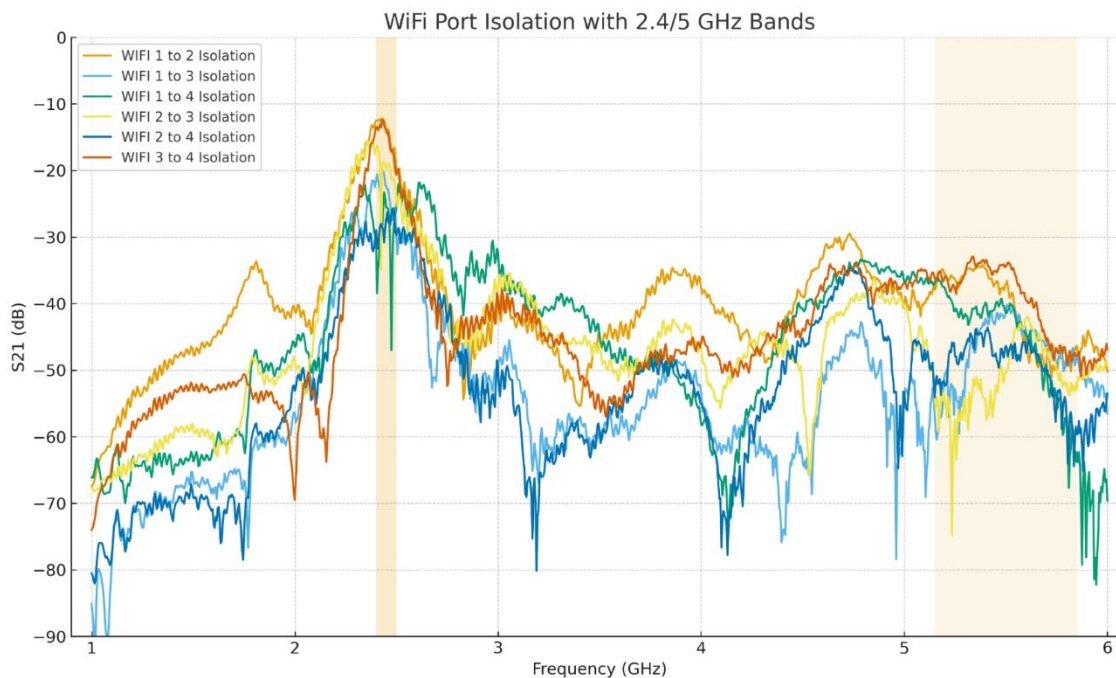
Coax Cables	2x Wi-Fi
Cable Type	SBC240
length	5m or 3m
Diameter (mm)	6.1
Min. Bend Radius (mm)	30
Operating Temp. °C	-40-80
Termination	SMA Reverse Polarity (m)
Labeling	WiFi M & WiFi A

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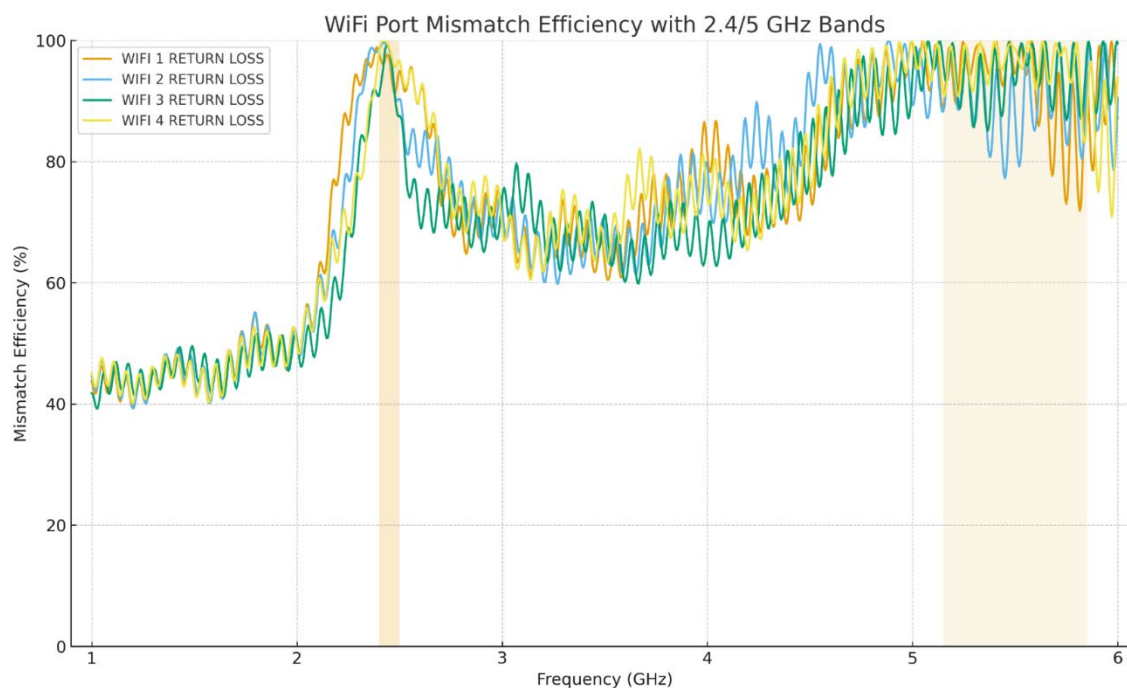


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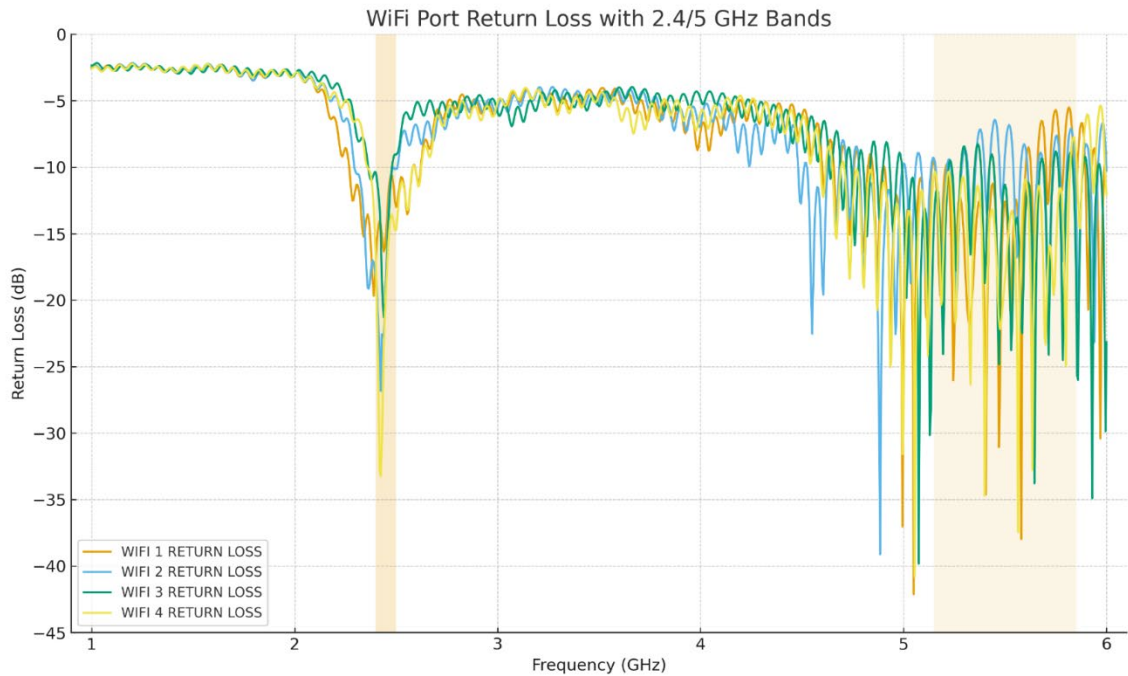
Wi-Fi Port Isolation



Wi-Fi Port Mismatch Efficiency



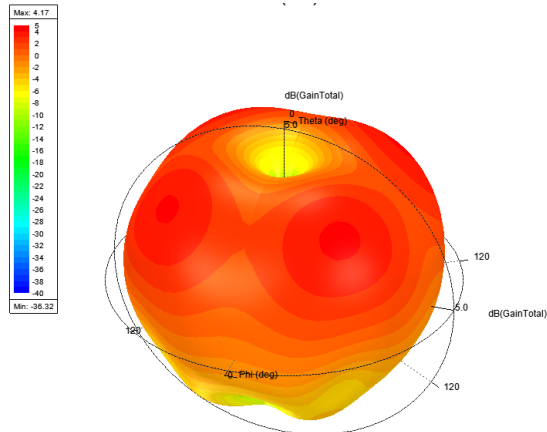
Wi-Fi Port Return Loss



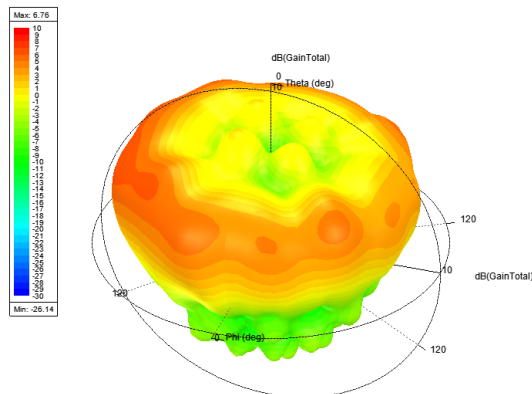
SK0200170 'Mallard' 2-in-1 Antenna Black incl. 5m Coax Cables

Antenna 3D Gain Plots

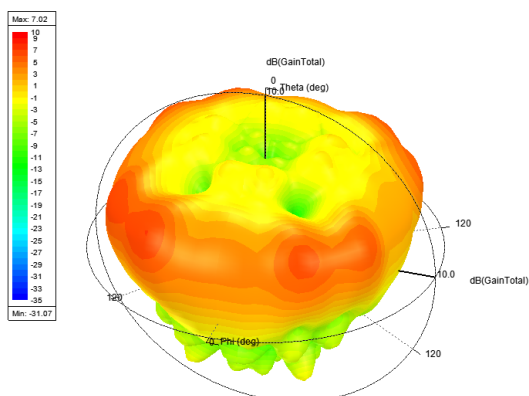
820MHz



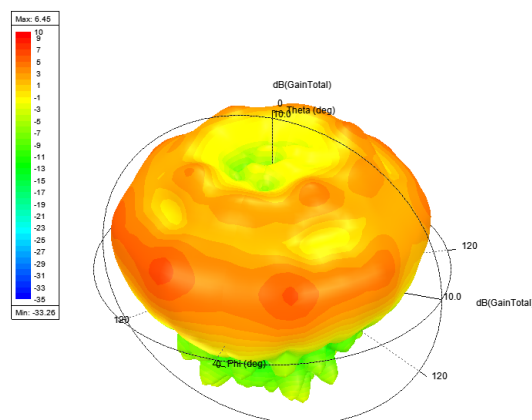
1820MHz



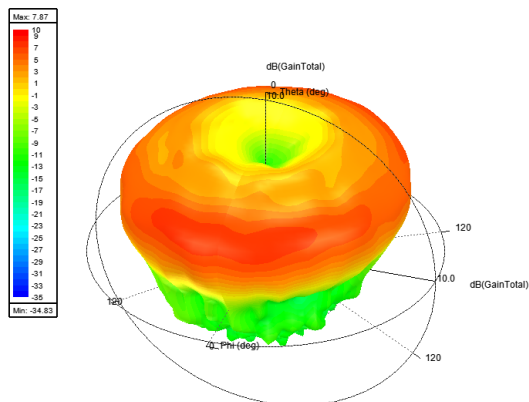
2140MHz



2600MHz



3600MHz



All graphs & diagrams subject to change without prior notice.

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