

**SK0200180 'Mallard' 4-in-1 Antenna Black  
incl. 5m Coax Cables**



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 incorporates **4 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**, 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. SK0200240**



Part No.	Cable Kit Options
SK020401	Product Kit : Black 4 in 1 Mallard Antenna & 5m Coax Ext Cable Kit : CM Specialist : Terminated Cables

Additional options available upon request.

# SK0200180 'Mallard' 4-in-1 Antenna Black incl. 5m Coax Cables

## Technical Specifications

Part No.	SK0200180
<b>Electrical Data</b>	
Wi-Fi	
Frequency Range (MHz)	2.4 GHz & 5.8GHz
Band	4x4 MiMo Dual Band WiFi
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
<b>Mechanical Data</b>	
Dimensions (mm)	H80xW70xL230
Operating Temp (°C)	-40 / +80°C (-40° / 176°F)
Material	ABS/PC
Colour	Black
Weight (g)	310
Ingress Protection	IP66
<b>Cable Data</b>	
Cable Type	RG316
length	200mm
Diameter	2.8
Termination	SMA (m) Reverse Polarity
<b>Mounting Data</b>	
Mounting Type	Panel mount
Mounting Hole (mm)	15mm
Max Panel Thickness (mm)	10mm

Subject to change without prior notice.

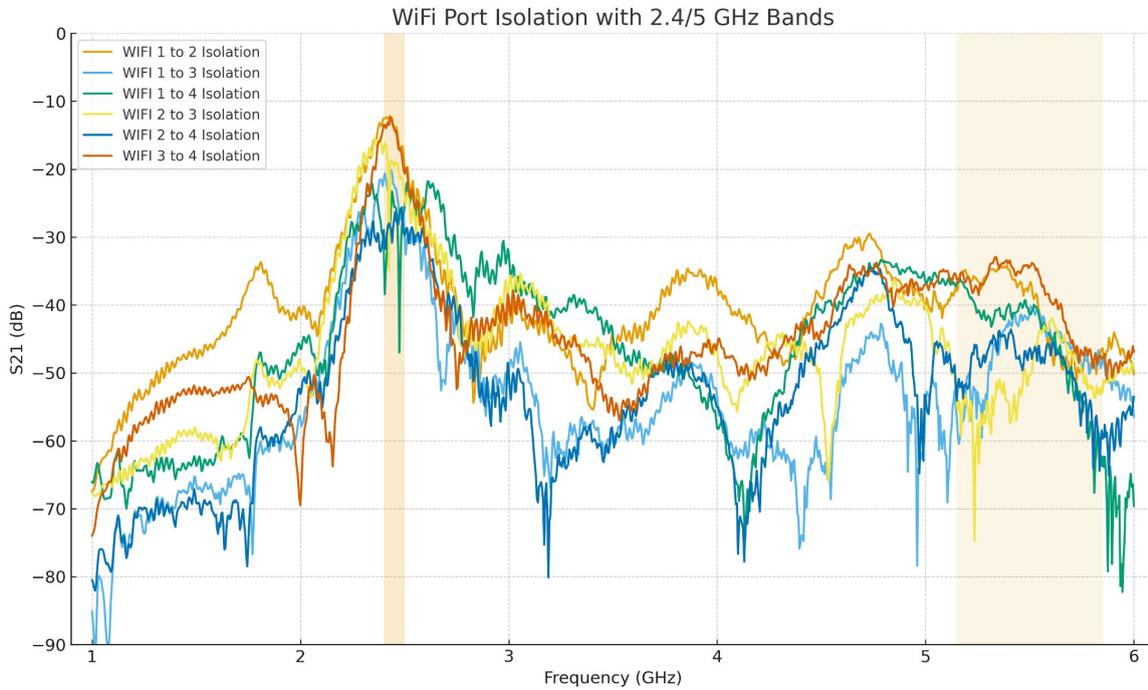
# SK0200180 'Mallard' 4-in-1 Antenna Black incl. 5m Coax Cables

## Supplied Coax Extension Cables

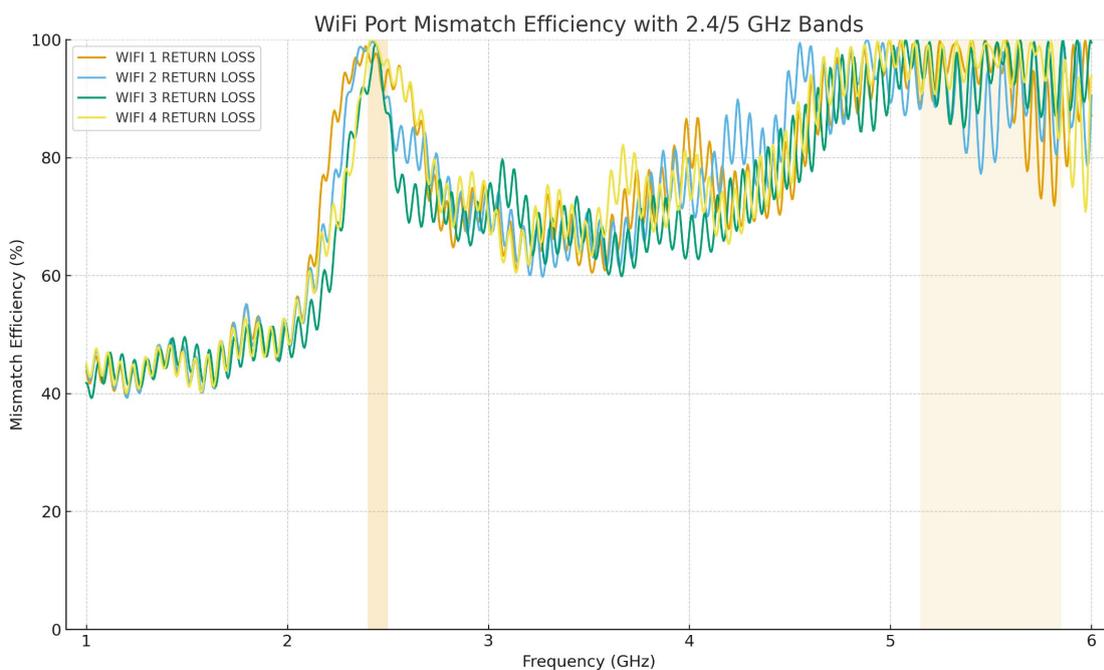
Coax Cables	4x Wi-Fi
Cable Type	SBC240
length	5m or 3m
Diameter (mm)	6.1
Min. Bend Radius (mm)	30
Operating Temp. °C	-40-80
Termination	SMA Reverse Polarity (m)
Labeling	Wi-Fi M & Wi-Fi A



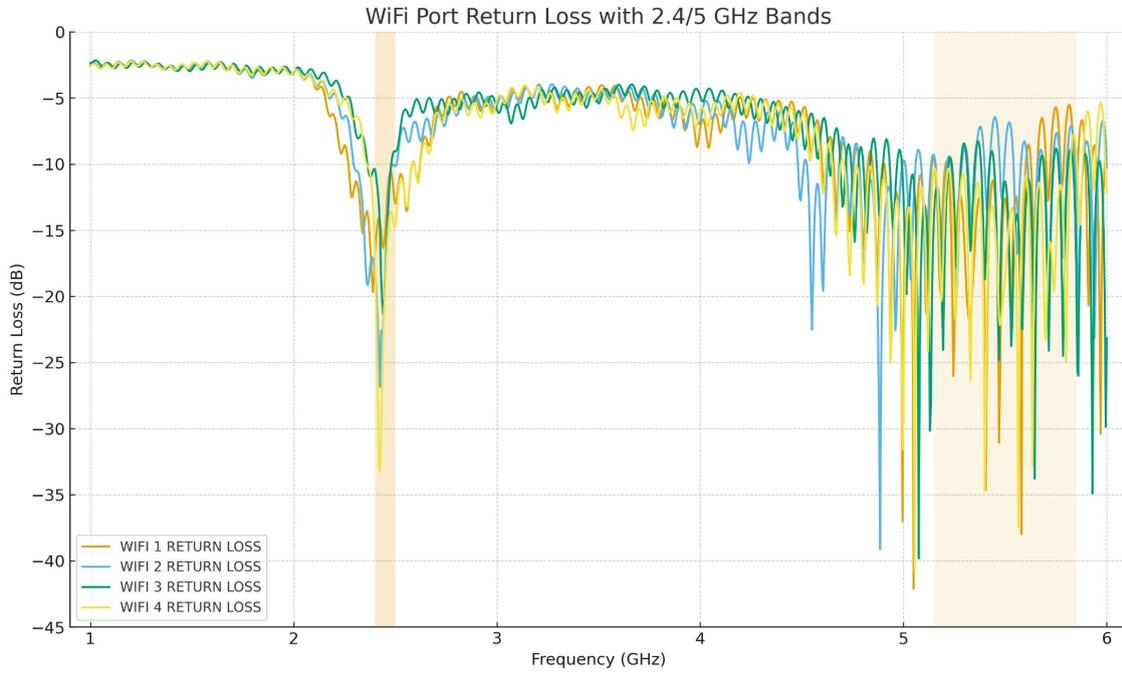
### Wi-Fi Port Isolation



### Wi-Fi Port Mismatch Efficiency

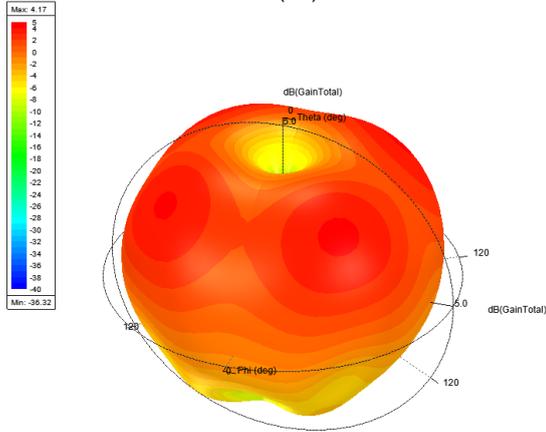


### Wi-Fi Port Return Loss

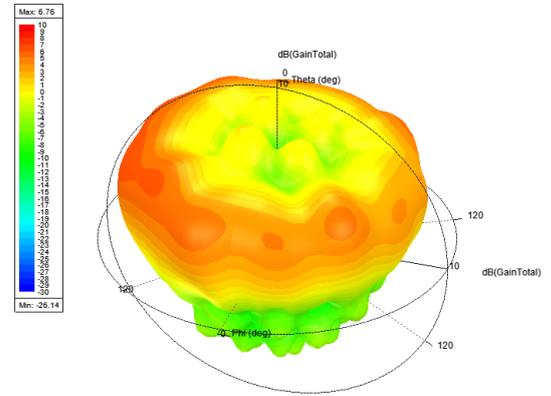


Antenna 3D Gain Plots

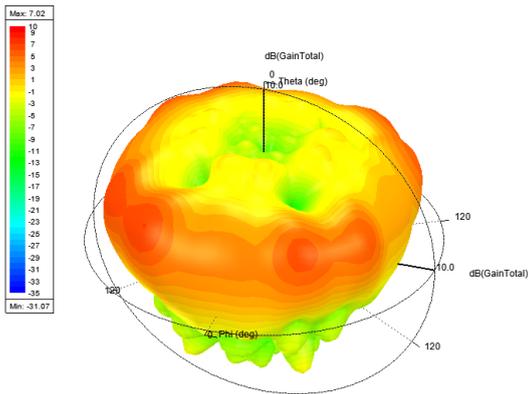
820MHz



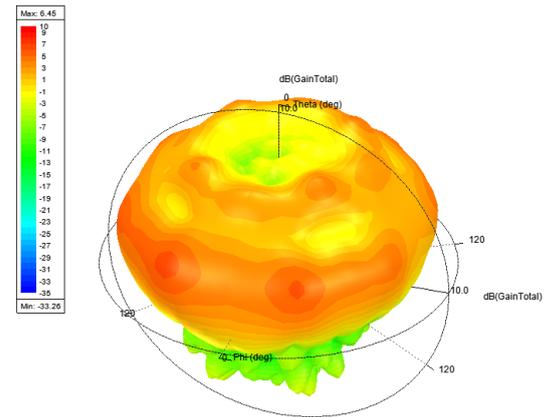
1820MHz



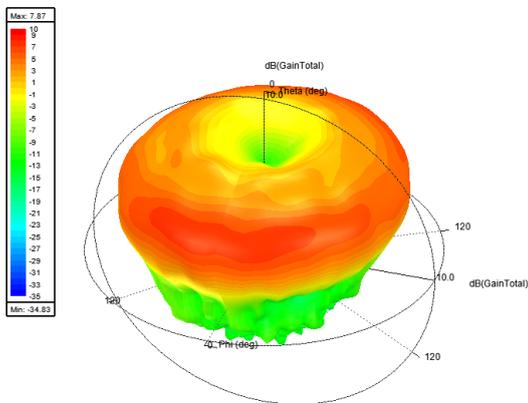
2140MHz



2600MHz



3600MHz



All graphs & diagrams subject to change without prior notice.

Sure Antennas, 6 Woodway Court, Thursby Rd, Bromborough, Merseyside CH62 3PR, United Kingdom  
Schiphol Airport Tetra, Transpolis Park, Siriusdreef 17-27, 2132 WT Hooftdorp, Netherlands

T. +44 (0)151 363 7377 | E. [sales@sure-antennas.com](mailto:sales@sure-antennas.com)



[www.sure-antennas.com](http://www.sure-antennas.com)



**SK0200180 'Mallard' 4-in-1 Antenna Black  
incl. 5m Coax Cables**

**SureAntennas<sup>®</sup>**