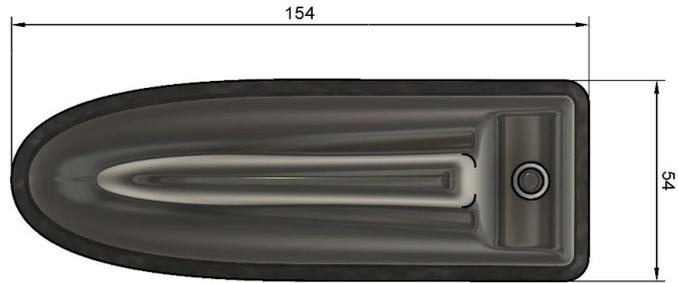


**SK0200140 'Mallard' 5-in-1 Antenna Black  
incl. 5m Coax Cables**

**5 YEARS WARRANTY**



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 **5 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. SK0200200**



Part No.	Cable Kit Options
SK0200140	Product Kit : Mallard 5 in 1 Antenna : Black : Inc 5m Low Loss Coax Extension Cables - Terminated
SK0200142	Product Kit : Mallard 5 in 1 Antenna : Black : Inc 3m Low Loss Coax Extension Cables - Terminated

Additional options available upon request.

**Technical Specifications**

Part No.		SK0200140	
Electrical Data		2G 3G 4G 5G	Wi-Fi
Frequency Range (MHz)		698-6000 MHz	2.4 GHz & 5.8GHz
Band		2x2 MiMo 2G 3G 4G 5G	2x2 MiMo Dual Band Wi-Fi
VSWR		<2.1:1 TYPICALLY 1.5:1	<2.1:1 TYPICALLY 1.5:1
Gain		Minimum 4dBi	Minimum 4dBi
Isolation		<-25dB	<-25dB
Polarisation		Vertical	Vertical
Pattern		Omni-directional	Omni-directional
Impedance		50Ω	50Ω
Max Power Input (W)		10W	10W
GPS/GLONASS			
Frequency Range (MHz)		1562-1612	
VSWR		<2:1	
Gain		26dB	
Polarisation		Right Hand Circular	
Operating Voltage		3-5v DC (fed via coax)	
Cable		2x 230mm RG316 Terminated to SMA (m)	
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	RG316
length		160mm	200mm
Diameter		2.8	2.8
Termination		SMA (f)	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.

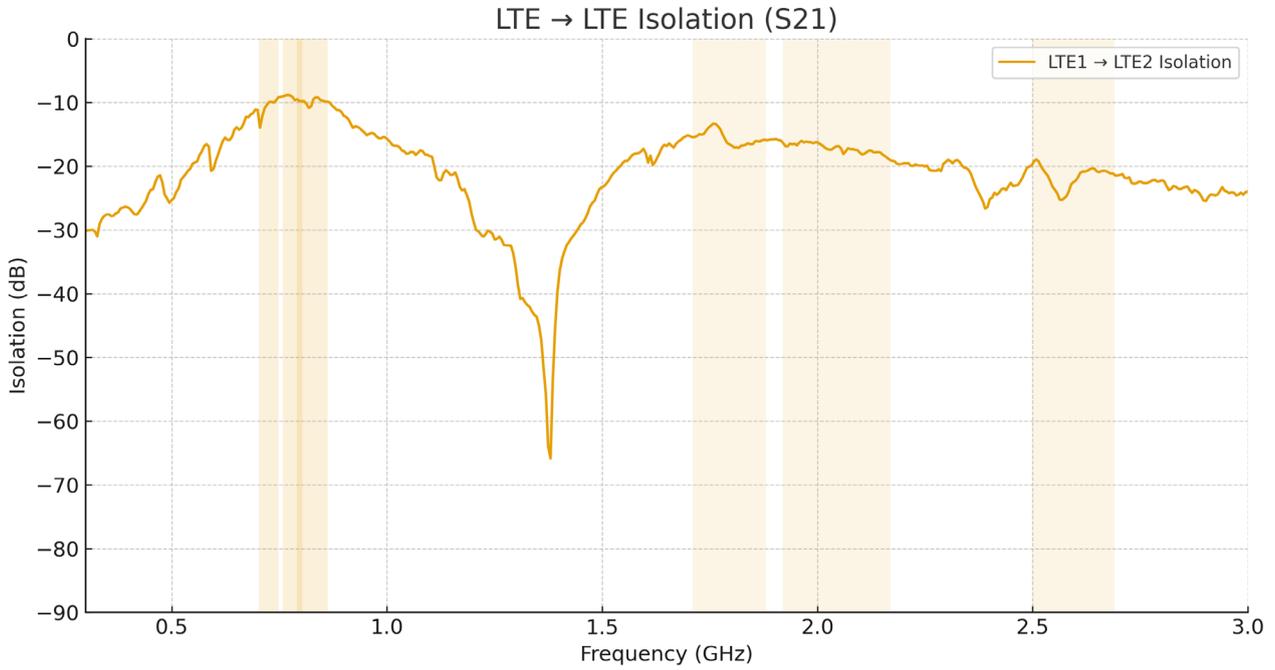
# SK0200140 'Mallard' 5-in-1 Antenna Black incl. 5m Coax Cables

## Supplied Coax Extension Cables

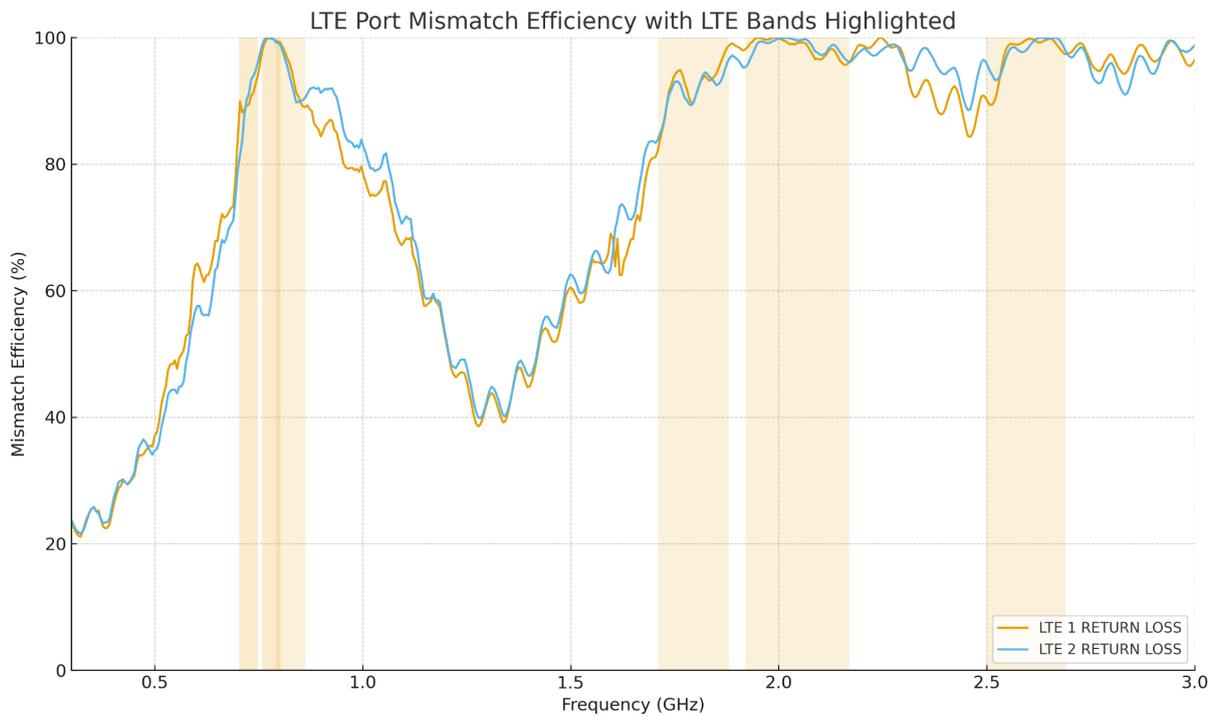
Coax Cables	2x LTE	2x Wi-Fi	1x GPS
Cable Type	SBC240	SBC240	SBC100
length	5m or 3m	5m or 3m	5m or 3m
Diameter (mm)	6.1	6.1	2.8
Min. Bend Radius (mm)	30	30	14
Operating Temp. °C	-40-80	-40-80	-40-80
Termination	SMA (m)	SMA Reverse Polarity (m)	SMA (m)
Labeling	LTE M & LTE A	Wi-Fi M & Wi-Fi A	GPS



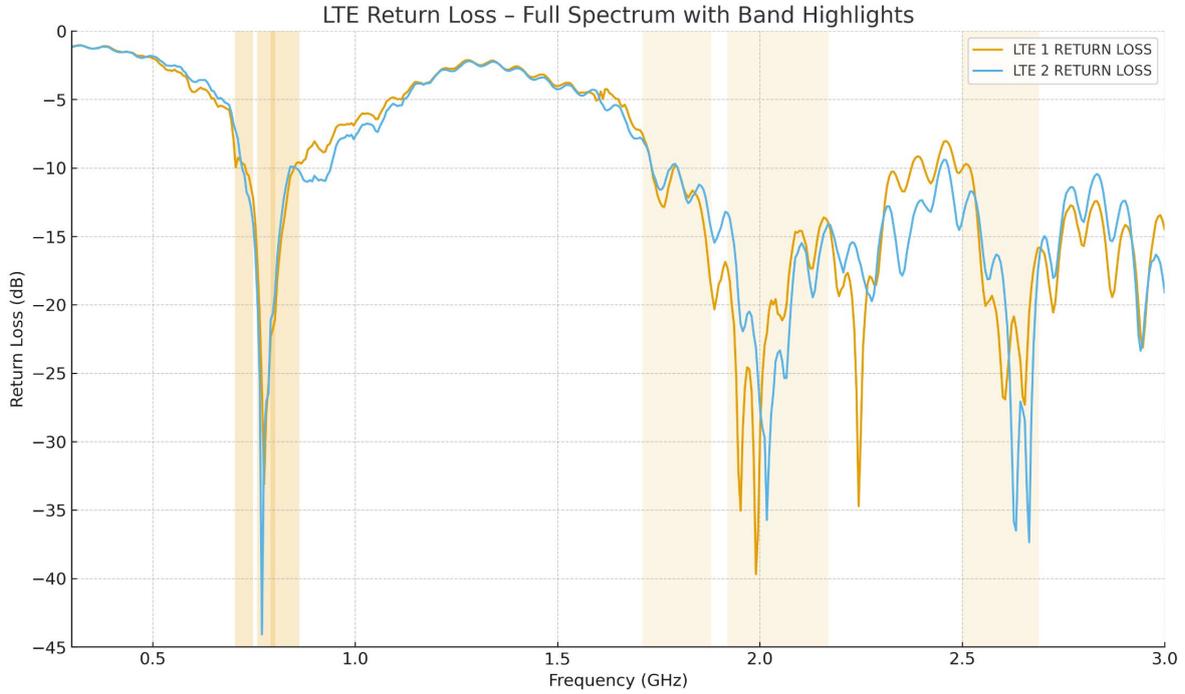
LTE Isolation



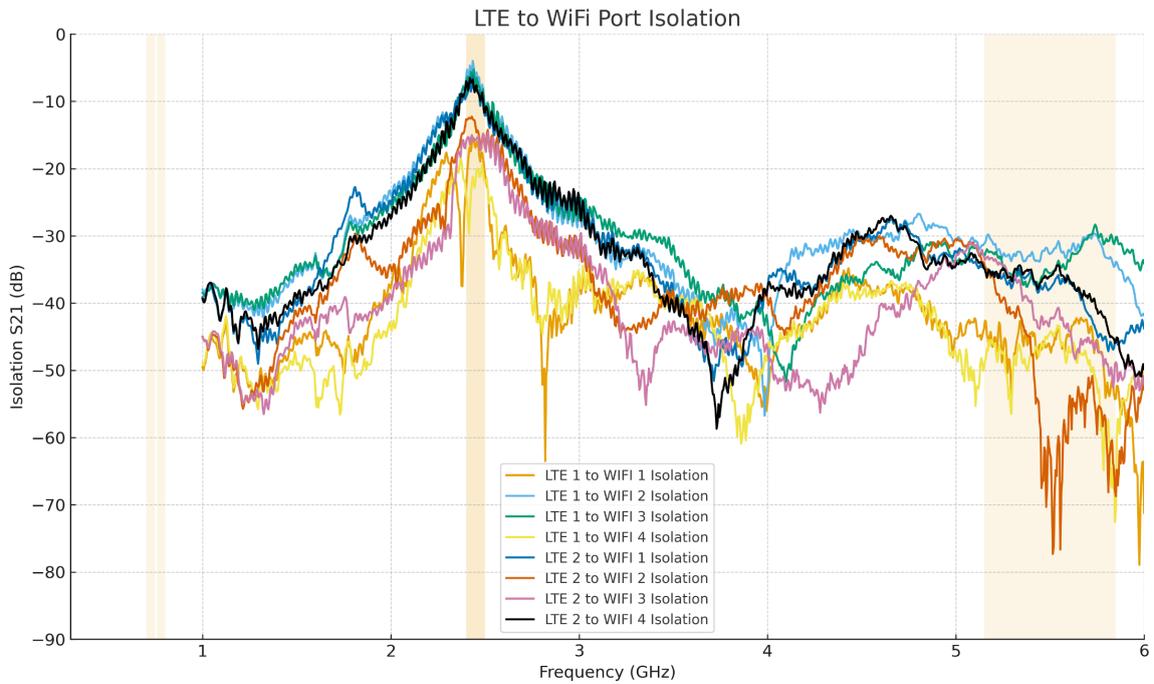
LTE Port Mismatch Efficiency



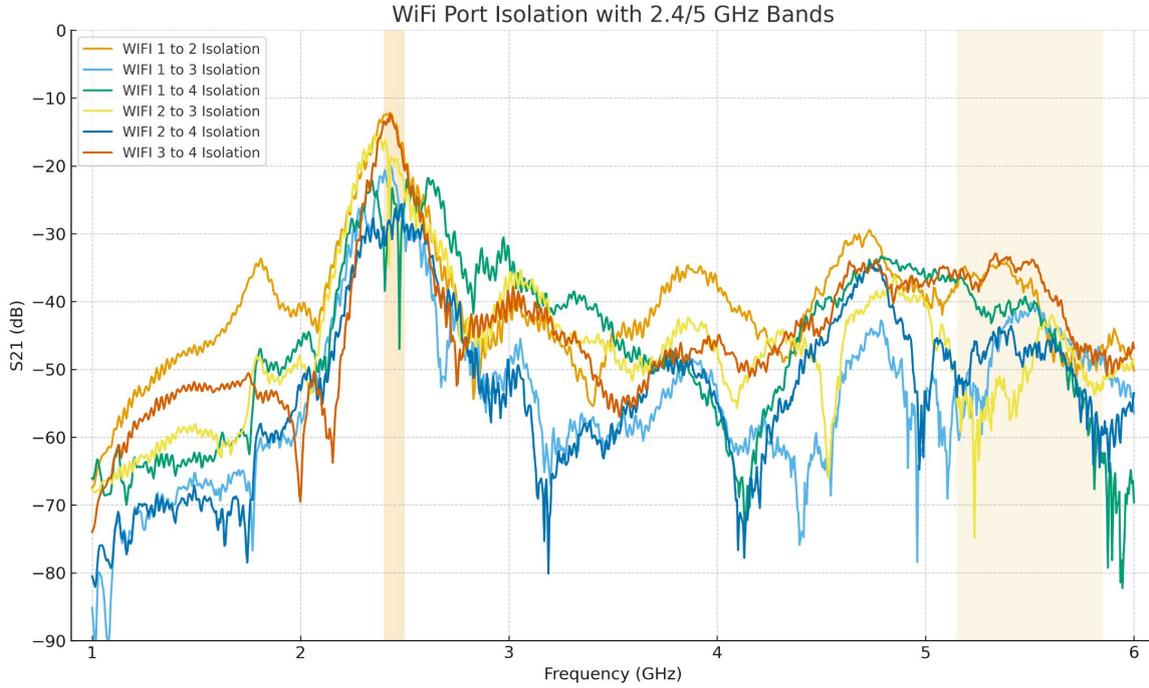
### LTE Return Loss



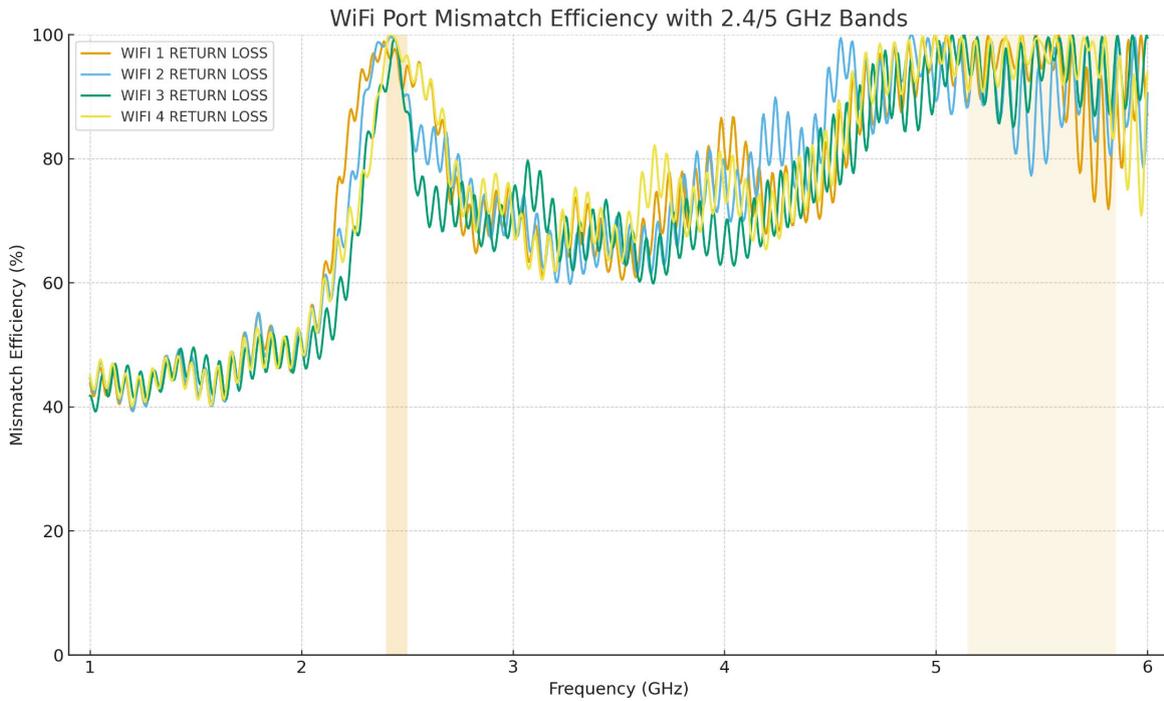
### LTE to Wi-Fi Port Isolation



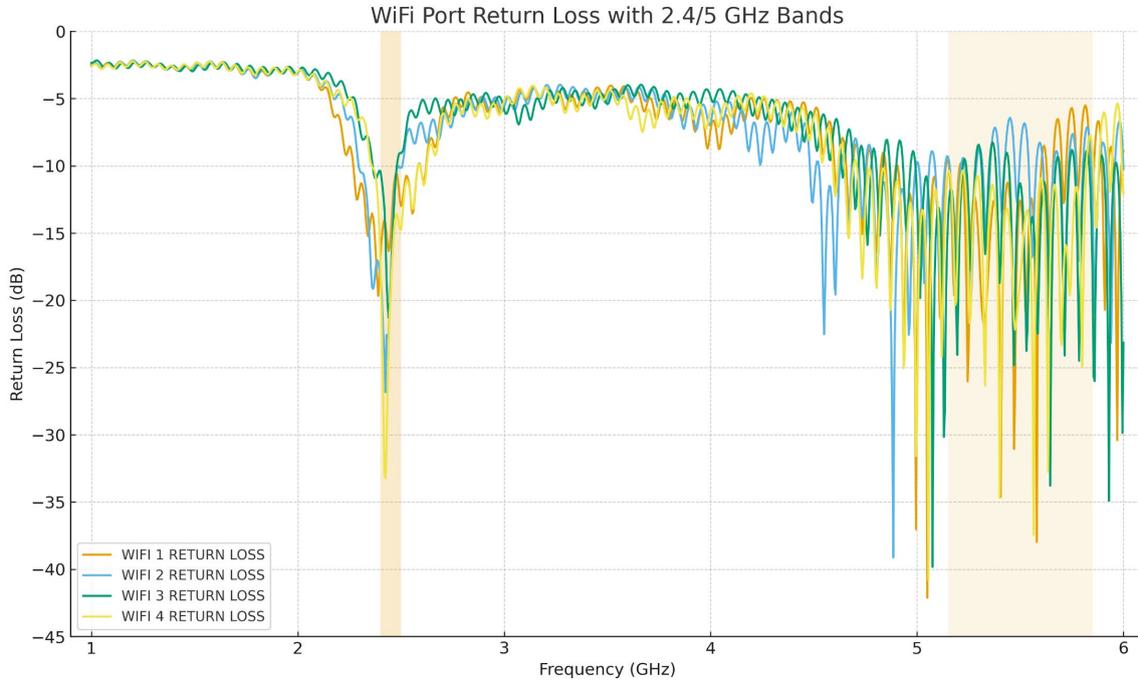
### Wi-Fi Port Isolation



### Wi-Fi Port Mismatch Efficiency

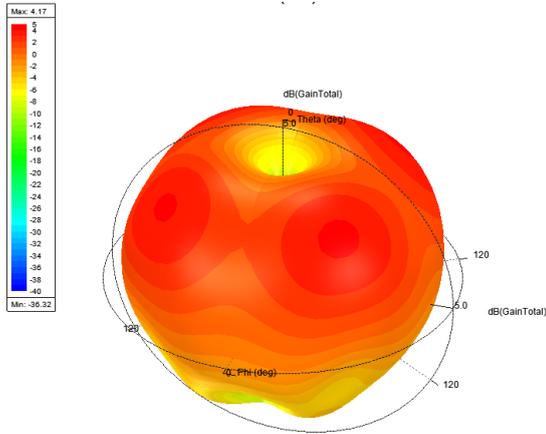


Wi-Fi Port Return Loss

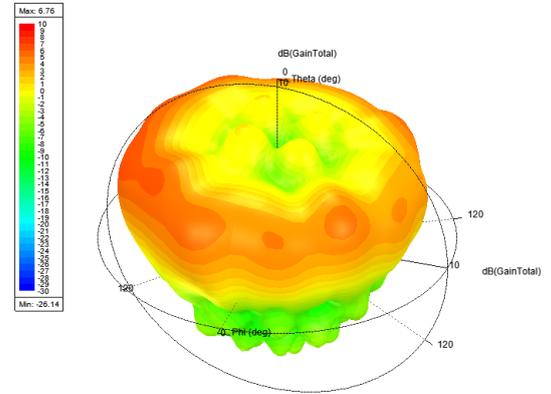


Antenna 3D Gain Plots

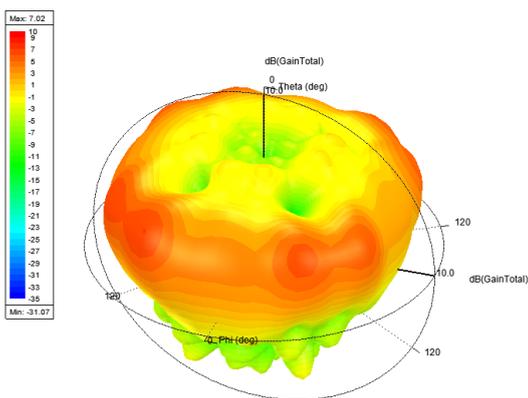
820MHz



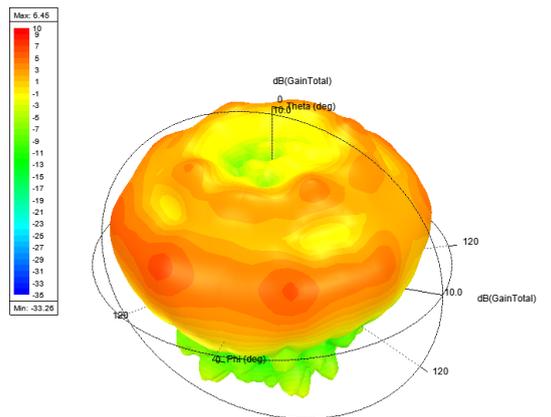
1820MHz



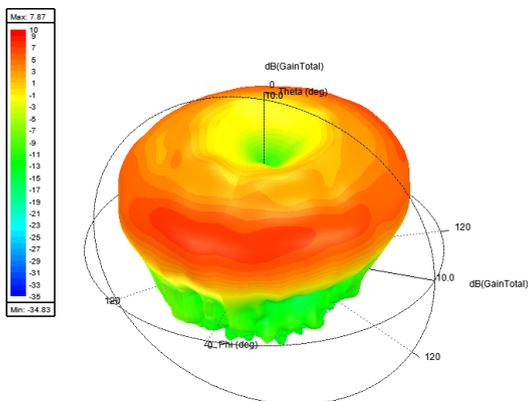
2140MHz



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 Hoofddorp, 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)



**SK0200140 'Mallard' 5-in-1 Antenna Black  
incl. 5m Coax Cables**

**SureAntennas®**