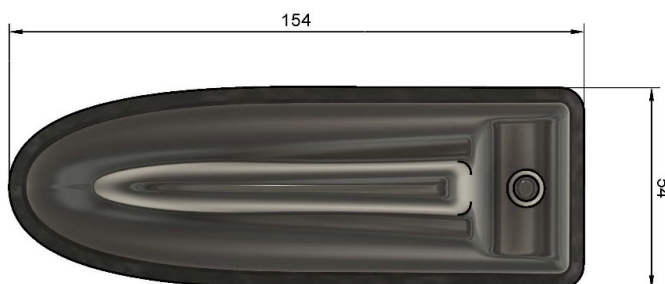


SK0200140 'Mallard' 5-in-1 Antenna Black incl. 5m Coax Cables



The '**Mallard**' is a low-profile, multifunction antenna designed for blue-light and amber-light vehicle fleets, combining up to 9 functions within a single panel-mounted unit. With optional fitting kits, the '**Mallard**' can be installed using the existing OEM mounting hole, preventing the need to drill additional holes and maintaining OEM functions.

This variant supports **5 Functions** including **2x LTE, 2x WiFi and 1x GPS**

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

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.

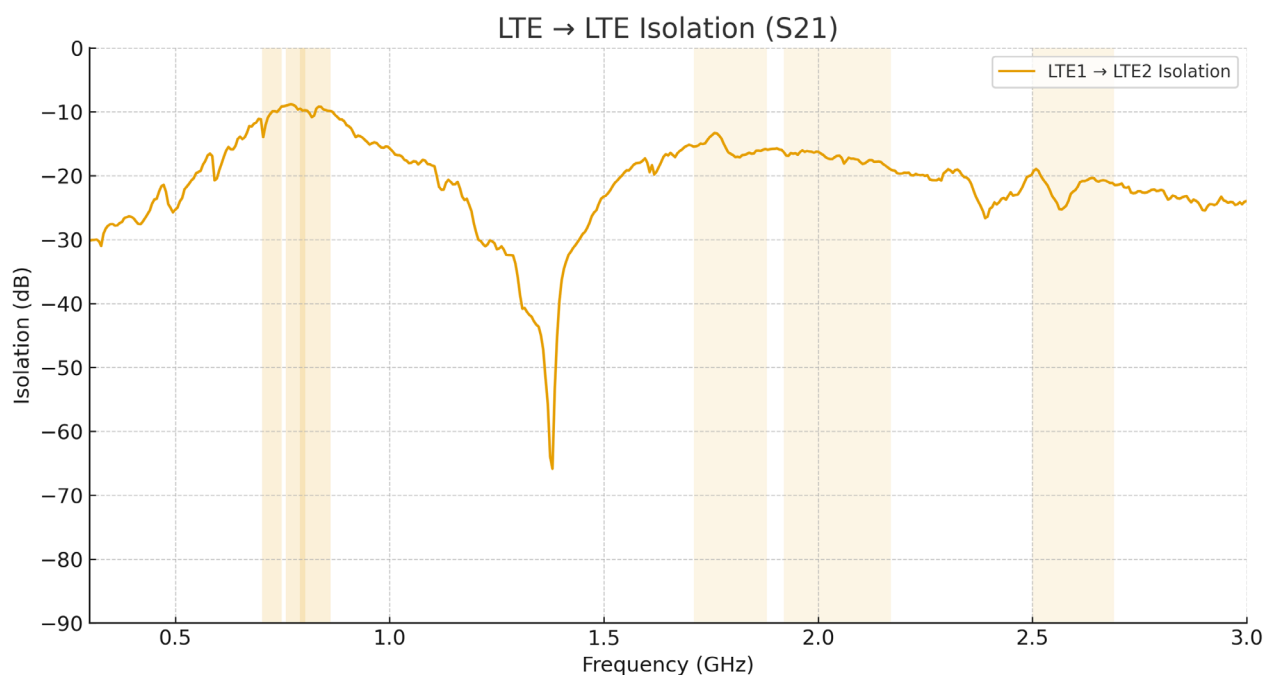
SK0200140 'Mallard' 5-in-1 Antenna Black incl. 5m Coax Cables

Supplied Coax Extension Cables

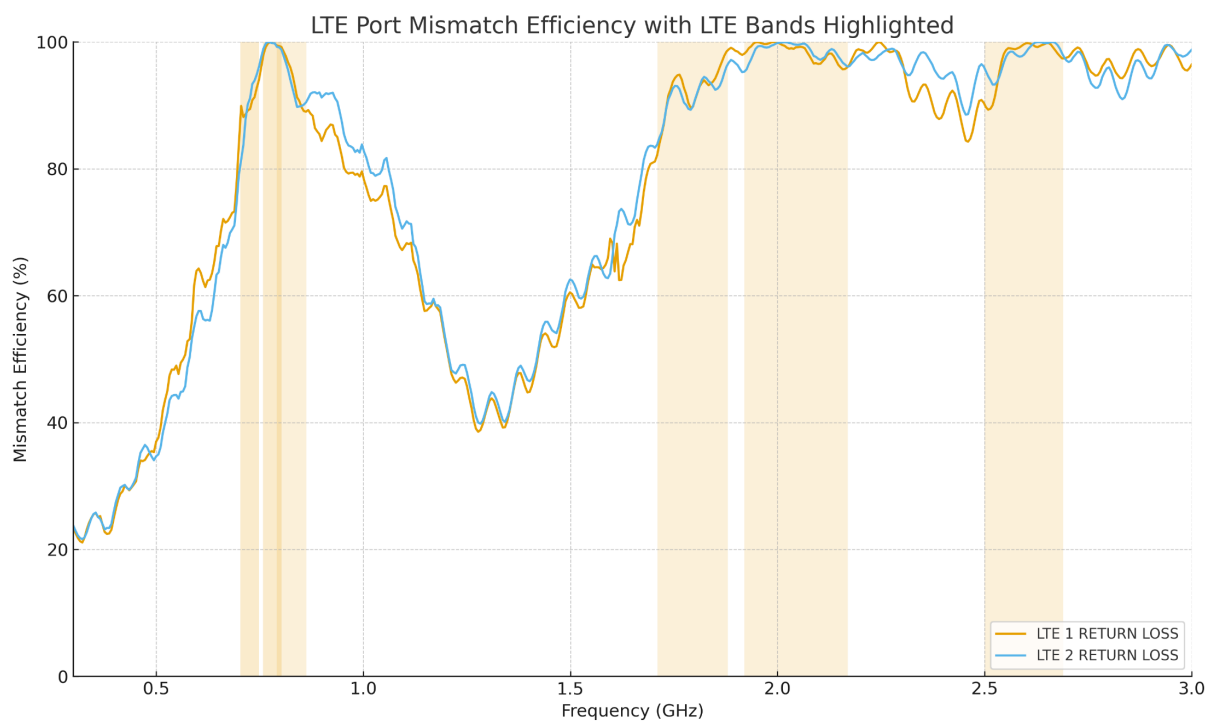
Coax Cables	2x LTE	2x Wi-Fi	1x GPS
Cable Type	SBC240	SBC240	SBC100
length	5m or 3m	5m or 3m	5m or 3m
Diameter (mm)	6.1	6.1	2.8
Min. Bend Radius (mm)	30	30	14
Operating Temp. °C	-40-80	-40-80	-40-80
Termination	SMA (m)	SMA Reverse Polarity (m)	SMA (m)
Labeling	LTE M & LTE A	Wi-Fi M & Wi-Fi A	GPS



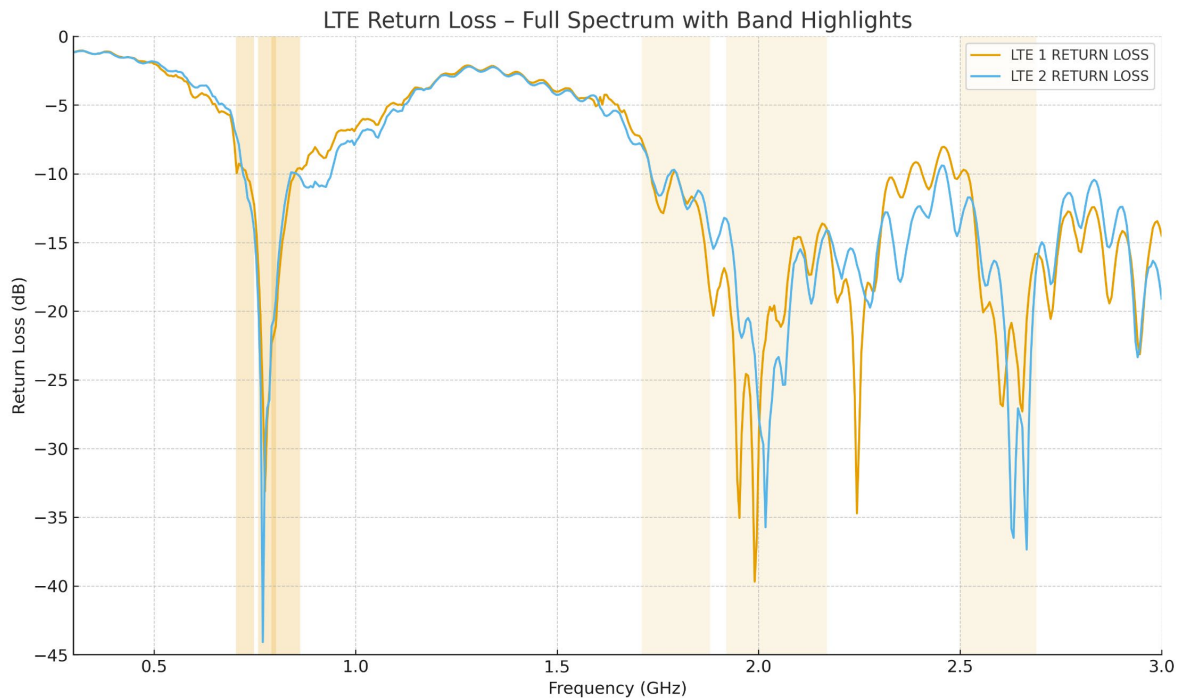
LTE Isolation



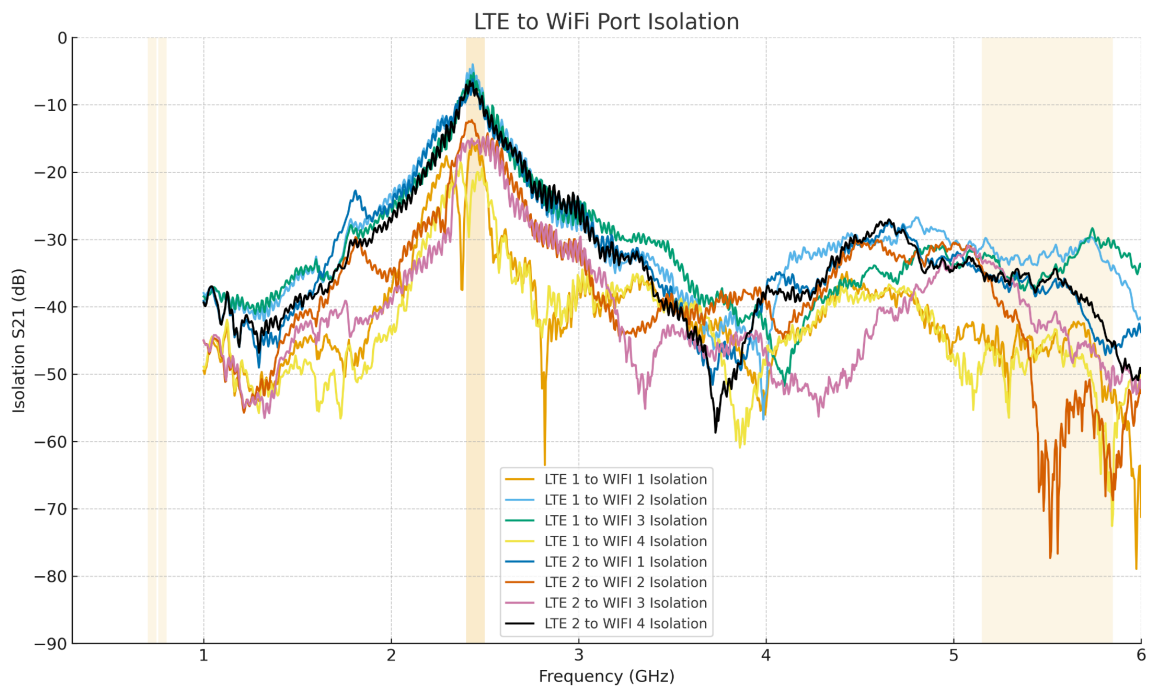
LTE Port Mismatch Efficiency



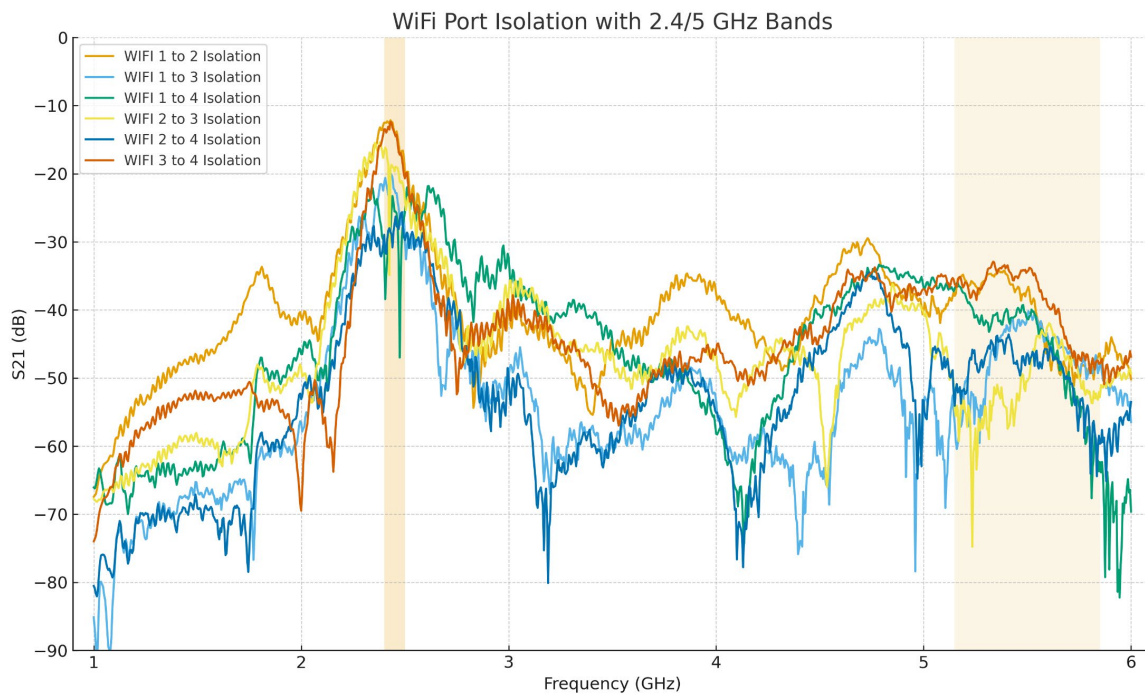
LTE Return Loss



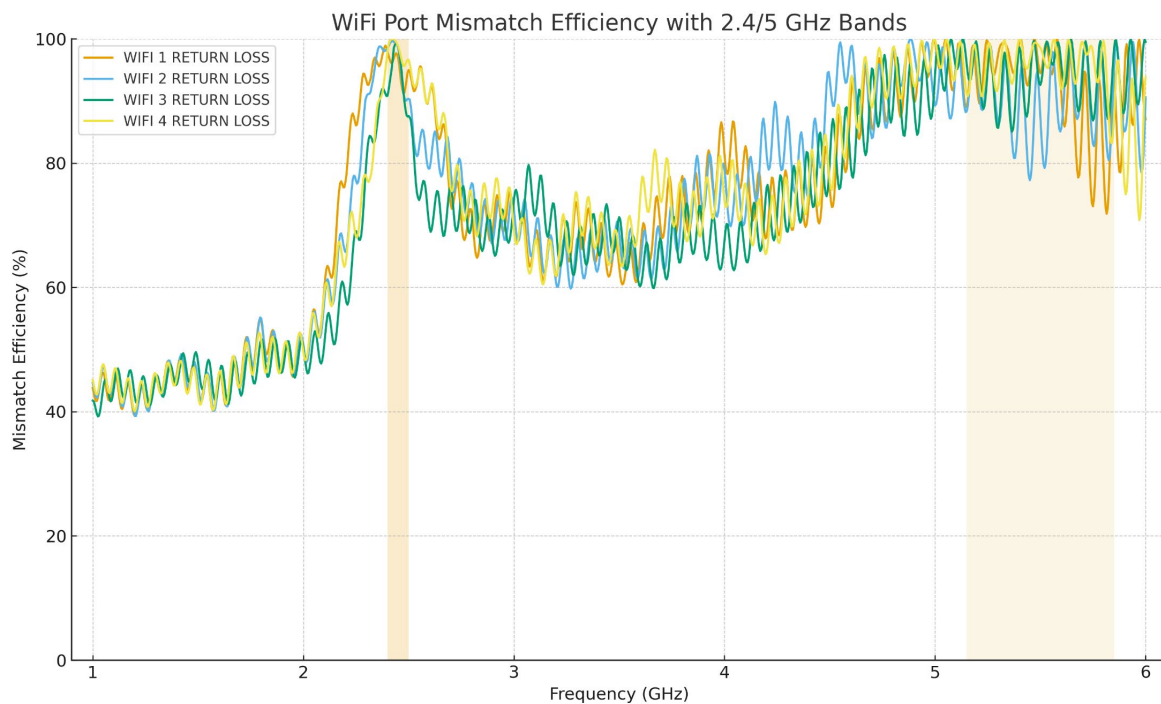
LTE to Wi-Fi Port Isolation



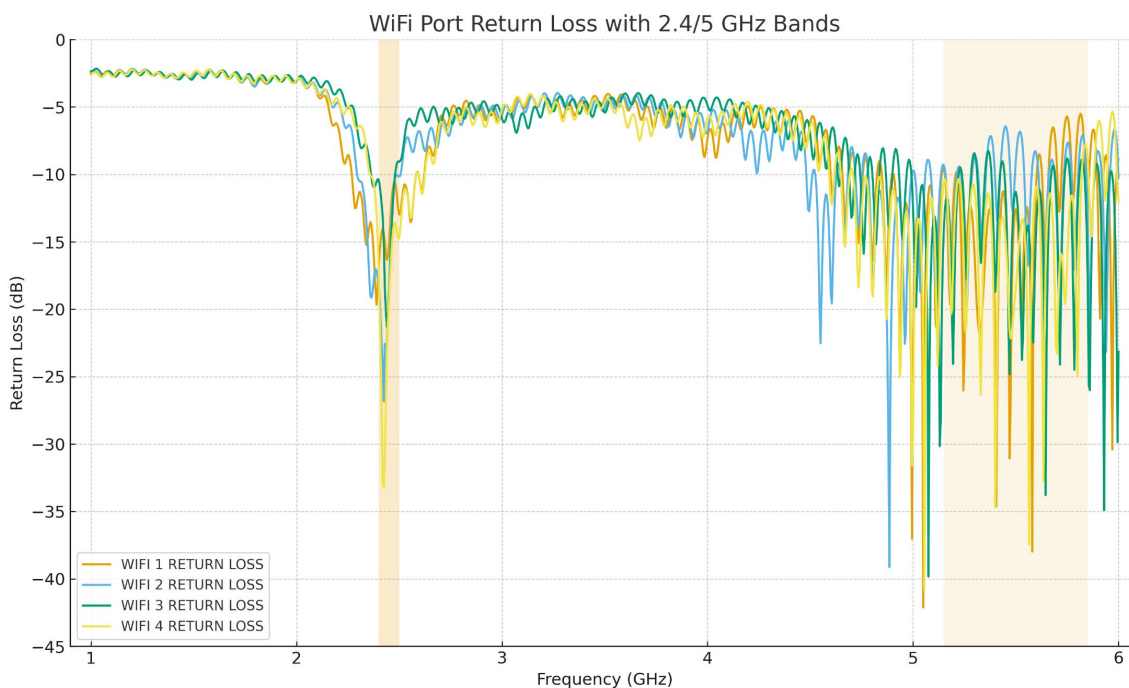
Wi-Fi Port Isolation



Wi-Fi Port Mismatch Efficiency



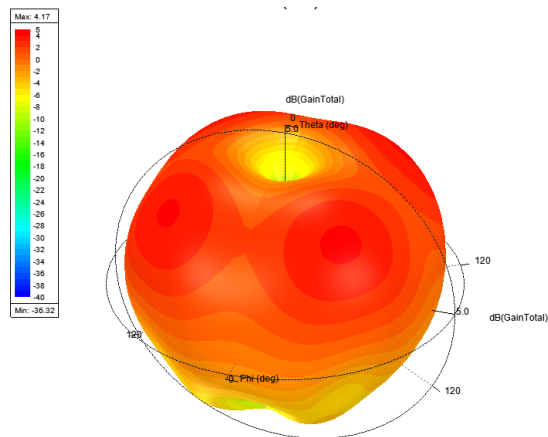
Wi-Fi Port Return Loss



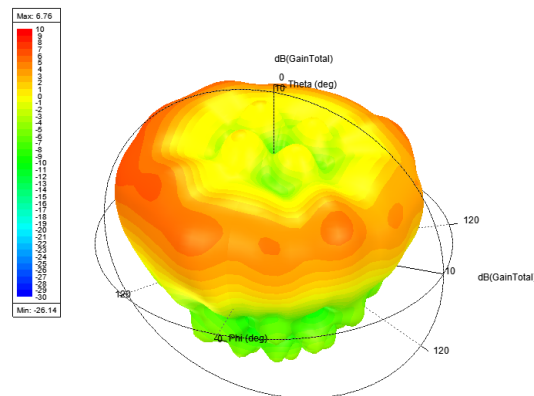
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Antenna 3D Gain Plots

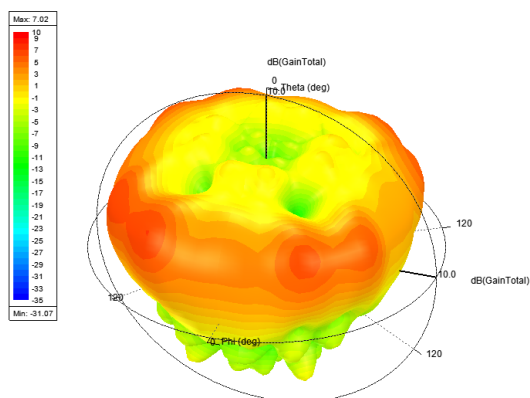
820MHz



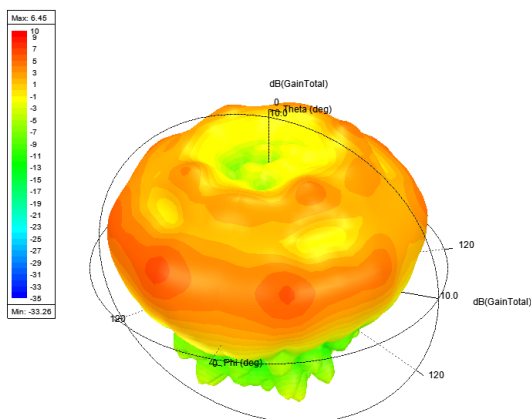
1820MHz



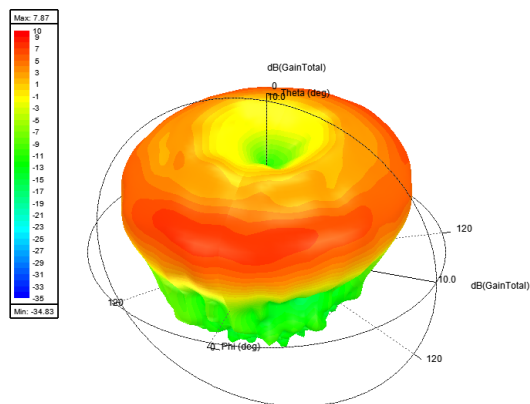
2140MHz



2600MHz



3600MHz



All graphs & diagrams subject to change without prior notice.

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