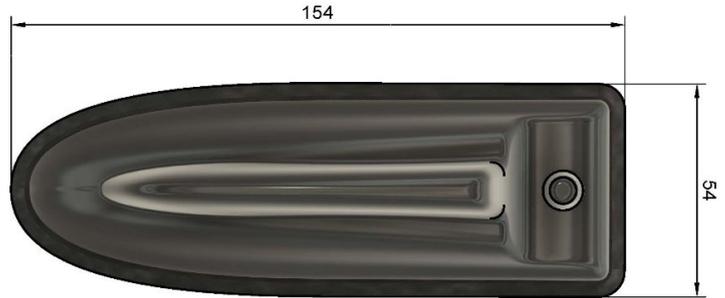


**SK0200160 'Mallard' 2-in-1 Antenna**  
**Black incl. 5m Coax Cables**



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 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. SK0200220**



| Part No.  | Cable Kit Options  |
|-----------|--|
| SK0200170 | Product Kit : Black 2 in 1 Mallard Antenna & 5m Coax Ext Cable Kit : Terminated Cables |

Additional options available upon request.

**Technical Specifications**

|                                 |                            |
|---------------------------------|----------------------------|
| <b>Part No.</b>                 | <b>SK0200160</b>           |
| <b>Electrical Data</b>          | <b>2G 3G 4G 5G</b>         |
| <b>Frequency Range (MHz)</b>    | 698-6000 MHz               |
| <b>Band</b>                     | 2x2 MiMo 2G 3G 4G 5G       |
| <b>VSWR</b>                     | <2.1:1 TYPICALLY 1.5:1     |
| <b>Gain</b>                     | Minimum 4dBi               |
| <b>Isolation</b>                | <-25dB                     |
| <b>Polarisation</b>             | Vertical                   |
| <b>Pattern</b>                  | Omni-directional           |
| <b>Impedance</b>                | 50Ω                        |
| <b>Max Power Input (W)</b>      | 10W                        |
| <b>Mechanical Data</b>          |                            |
| <b>Dimensions (mm)</b>          | H80xW70xL230               |
| <b>Operating Temp (°C)</b>      | -40 / +80°C (-40° / 176°F) |
| <b>Material</b>                 | ABS/PC                     |
| <b>Colour</b>                   | Black                      |
| <b>Weight (g)</b>               | 310                        |
| <b>Ingress Protection</b>       | IP66                       |
| <b>Cable Data</b>               |                            |
| <b>Cable Type</b>               | RG316                      |
| <b>length</b>                   | 160mm                      |
| <b>Diameter</b>                 | 2.8                        |
| <b>Termination</b>              | SMA (f)                    |
| <b>Mounting Data</b>            |                            |
| <b>Mounting Type</b>            | Panel mount                |
| <b>Mounting Hole (mm)</b>       | 15mm                       |
| <b>Max Panel Thickness (mm)</b> | 10mm                       |

Subject to change without prior notice.

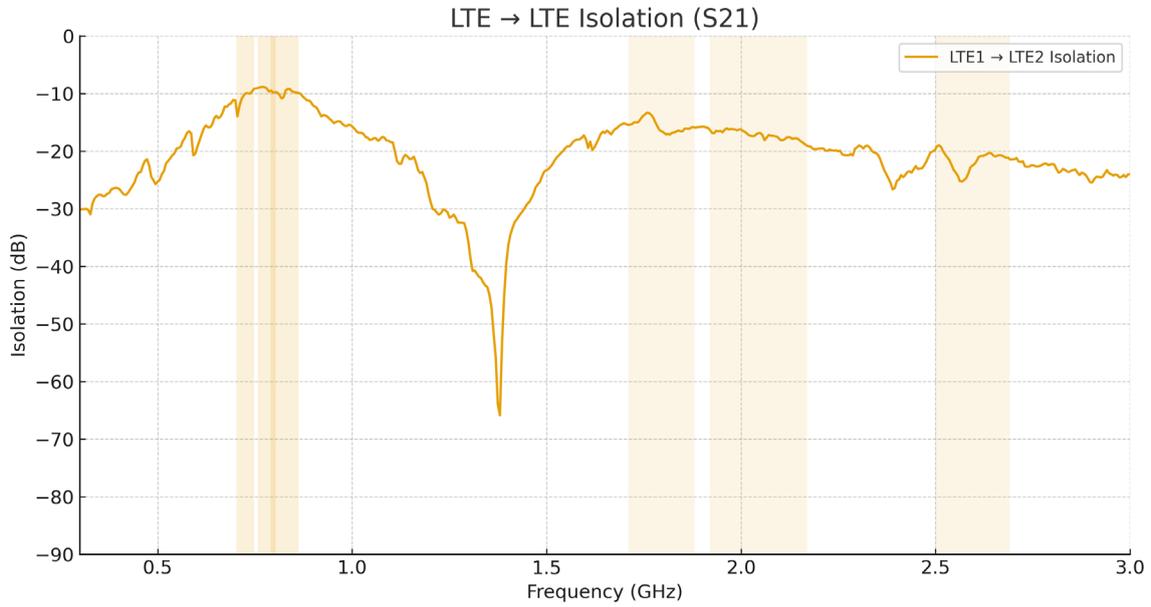
# SK0200160 'Mallard' 2-in-1 Antenna Black incl. 5m Coax Cables

## Supplied Coax Extension Cables

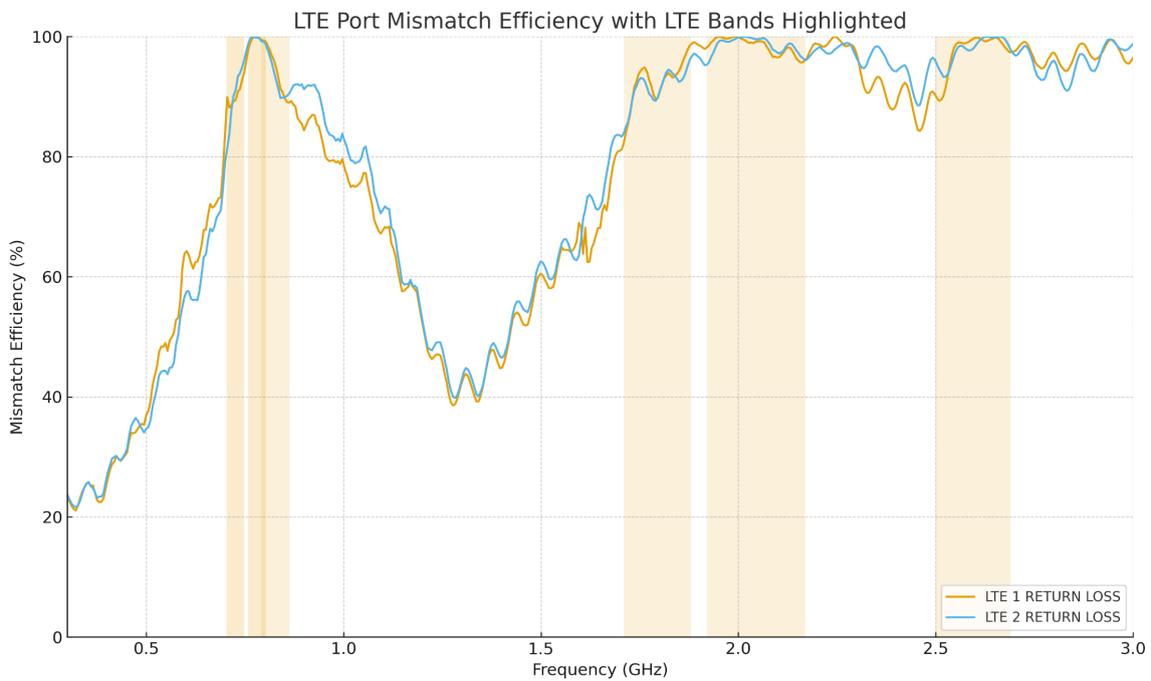
|                       |               |
|-----------------------|---------------|
| Coax Cables           | 2x LTE        |
| Cable Type            | SBC240        |
| length                | 5m or 3m      |
| Diameter (mm)         | 6.1           |
| Min. Bend Radius (mm) | 30            |
| Operating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



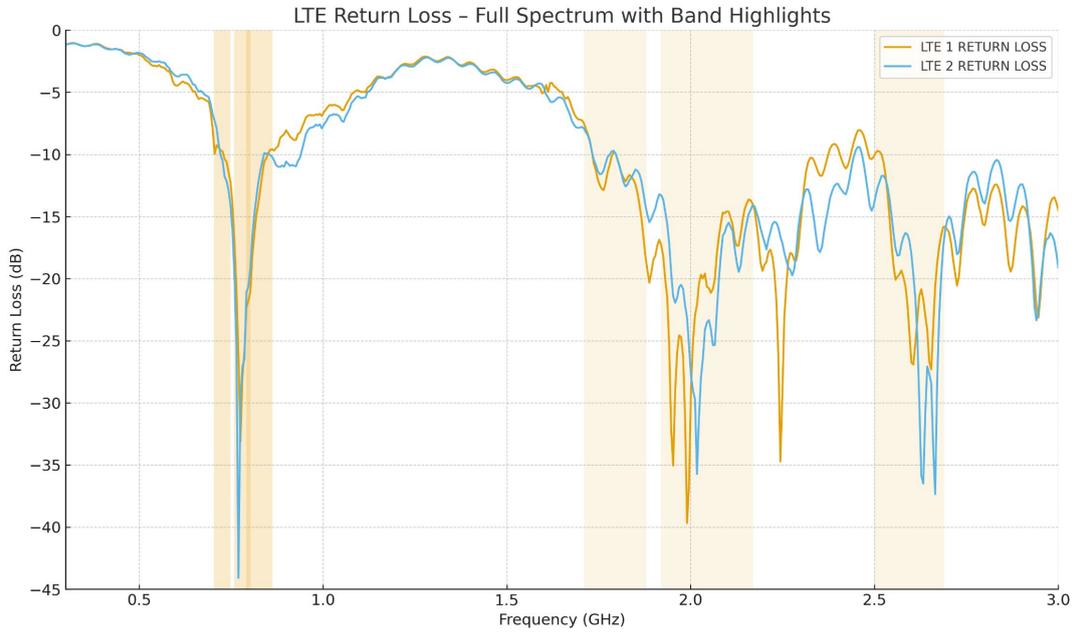
### LTE Isolation



### LTE Port Mismatch Efficiency

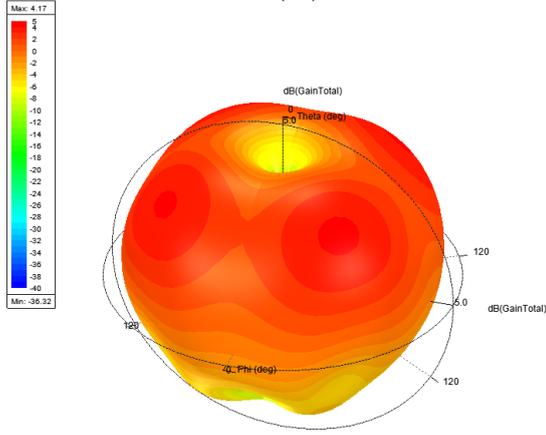


### LTE Return Loss

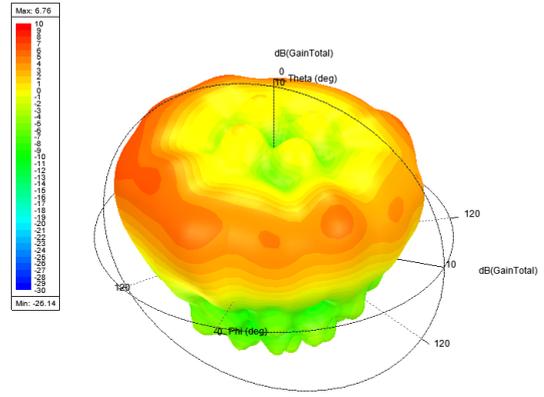


**Antenna 3D Gain Plots**

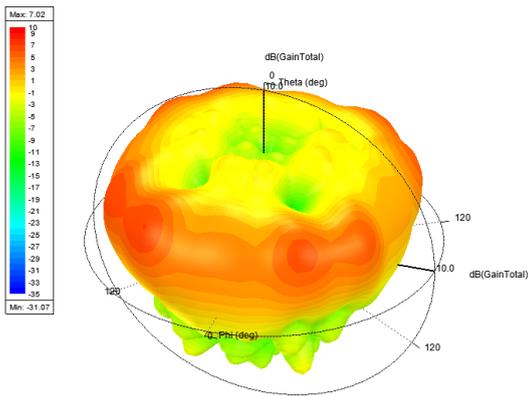
**820MHz**



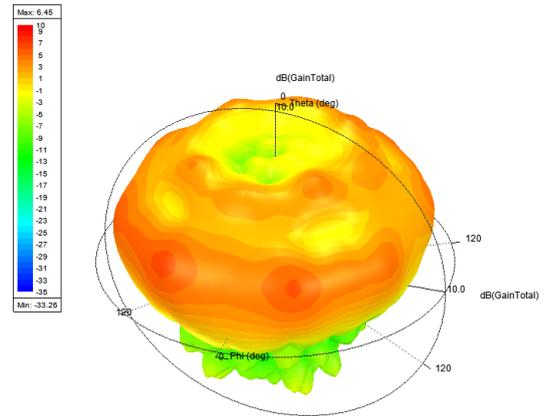
**1820MHz**



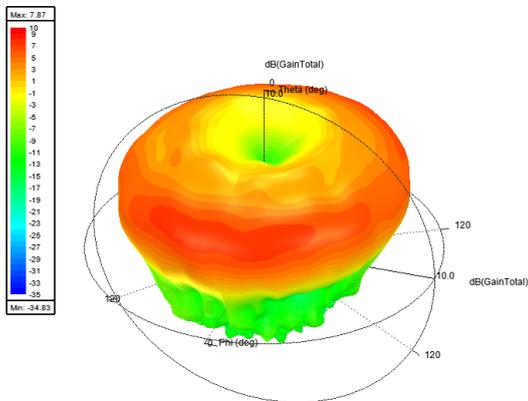
**2140MHz**



**2600MHz**



**3600MHz**



All graphs & diagrams subject to change without prior notice.

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