



# Slim 40G

## Applications

- | Recreational Vehicles
- | Transportation Connectivity
- | Home / Office



## Ultra Wide Bandwidth

Wide frequency range (600-6000MHz) supporting LTE and 5G connectivity.

## Built for 5G

Omni-directional 4x4 MIMO mobile antenna for the best performance.





## Low Profile Design

High performance in a small size and durable housing.

## Easy Installation

Can be mounted on a wall window or wall or hidden under a vehicle dashboard.



## Specification

### Cellular

<b>Antenna Elements</b>	4 elements
<b>Peak Gain &amp; Frequencies</b>	3.6dBi: 617-960MHz 6.1dBi: 1710-2700MHz 6.7dBi: 3400-4200MHz 8.1dBi: 5000-6000MHz
<b>VSWR</b>	<2.5 over 90% of the band
<b>Feed Power Handling</b>	10W
<b>Input Impedance</b>	50 $\Omega$
<b>Polarisation</b>	Linear

### GPS

<b>Frequency Range</b>	1561-1602 MHz
<b>Peak Gain</b>	0.5dBi @ 1575MHz 1.6dBi @ 1602MHz
<b>VSWR</b>	< 2
<b>Output Return Loss</b>	10dB max
<b>Gain: LNA</b>	28 $\pm$ 3dB
<b>Noise Figure</b>	1.5dB max at 3.3V
<b>Operating Voltage</b>	3.3V
<b>Power Consumption</b>	8.5 $\pm$ 2.5mA at 3.3V

### Mounting

<b>Supported Types</b>	Window, wall
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### Package contents

<b>Antenna</b>	Slim 40G	<b>Accessories</b>	Velcro strip (hook and loop fastener) (4pcs, length 4.7' / 120mm)
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### Cable (Cellular)

<b>Type</b>	CFD-200 (Cellular)
<b>Loss</b>	0.33 dB/m @ 900 MHz 0.49 dB/m @ 2000 MHz 0.55 dB/m @ 2500 MHz 0.87 dB/m @ 5800 MHz
<b>Diameter</b>	0.2" / 5.0mm
<b>Jacket</b>	Half matt PVC, UV resistant
<b>Termination</b>	SMA male and RP-SMA male

### Cable (GPS)

<b>Type</b>	RG-174 (GPS)
<b>Loss</b>	3.4 dB/m @ 1000 MHz 4.9 dB/m @ 1800 MHz
<b>Diameter</b>	0.1" / 2.7mm
<b>Jacket</b>	Half matt PVC, UV resistant
<b>Termination</b>	SMA male

### Mechanical

<b>Product Dimensions</b>	7.09"x5.12"x0.59" / 180x130x15mm
<b>Packaged Dimensions</b>	9.61"x3.15"x9.84" / 244x80x250mm
<b>Enclosure Material</b>	UV stable PC
<b>Color</b>	Black

## Specification

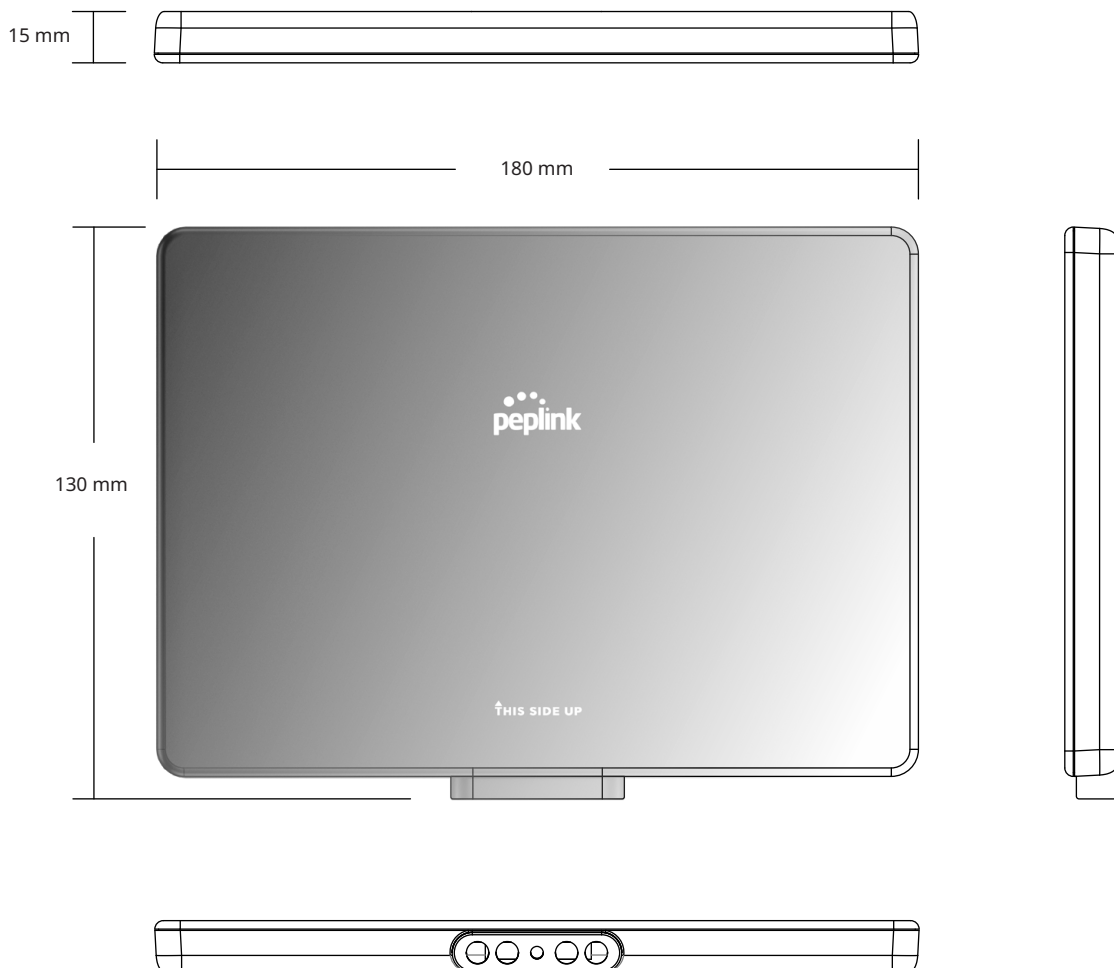
### Environmental, compliance

<b>IP Rating</b>	IP55	<b>Compliance</b>	ROHS, REACH, WEEE
<b>Operating Temperature</b>	-40° - 176°F / -40° - 80°C	<b>Enclosure Flammability</b>	UL 94 HB
<b>Storage Temperature</b>	-40° - 176°F / -40° - 80°C	<b>Cable Flammability</b>	UL 758 (VW-1)
		<b>UV Resistance</b>	UL 746C (F1 long-term UV exposure)

## Ordering Information

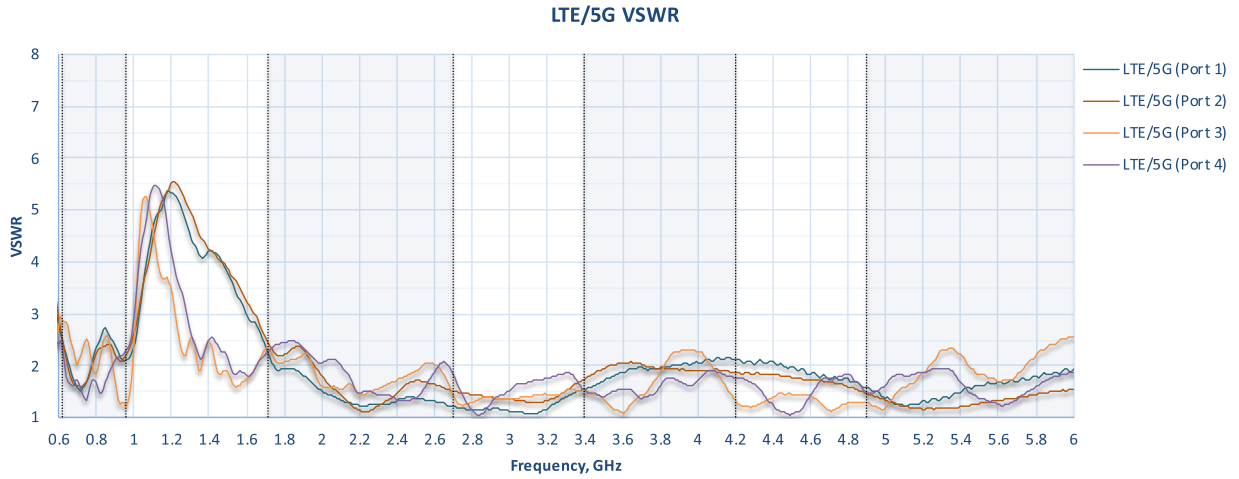
Product Code	Description
ANT-SLM-40G-S-B-6	4xLTE/5G, 1xGPS 600-6000MHz, SMA, Black, 6.5 ft / 2m

## Technical Drawing

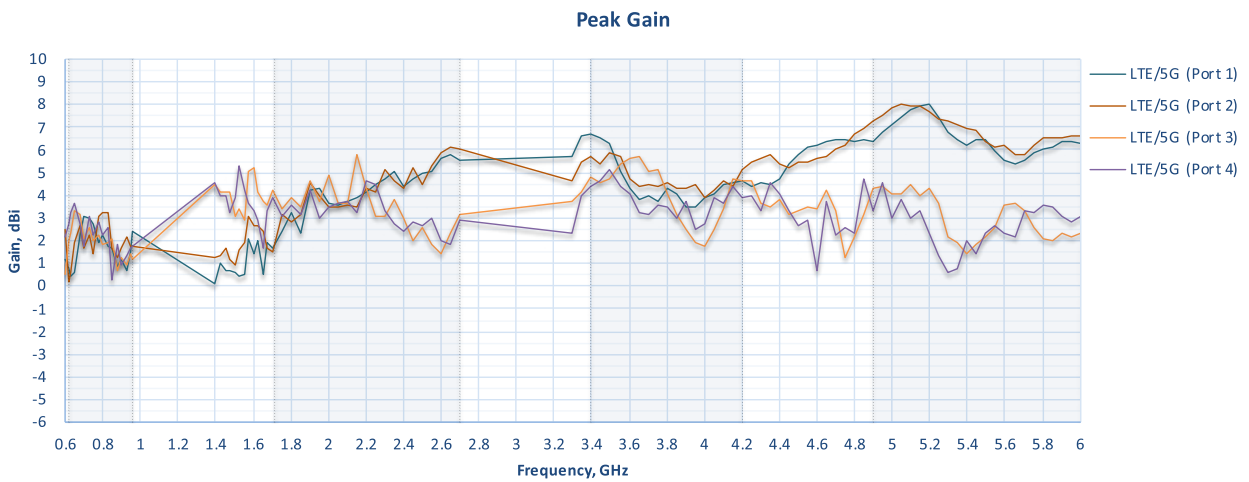


## Cellular Antenna Performance

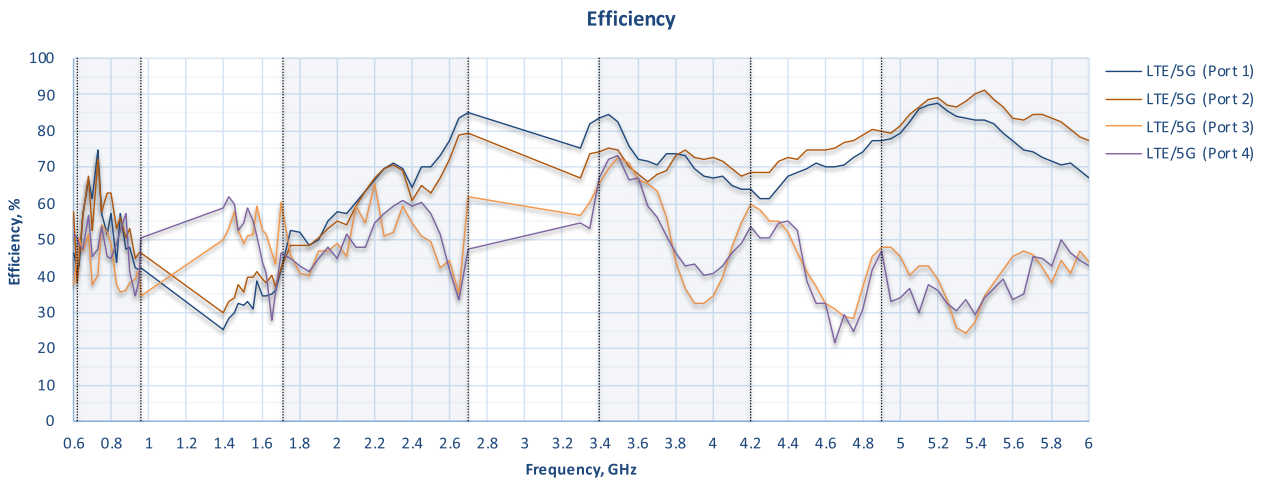
### Cellular Antenna VSWR



### Cellular Antenna Gain



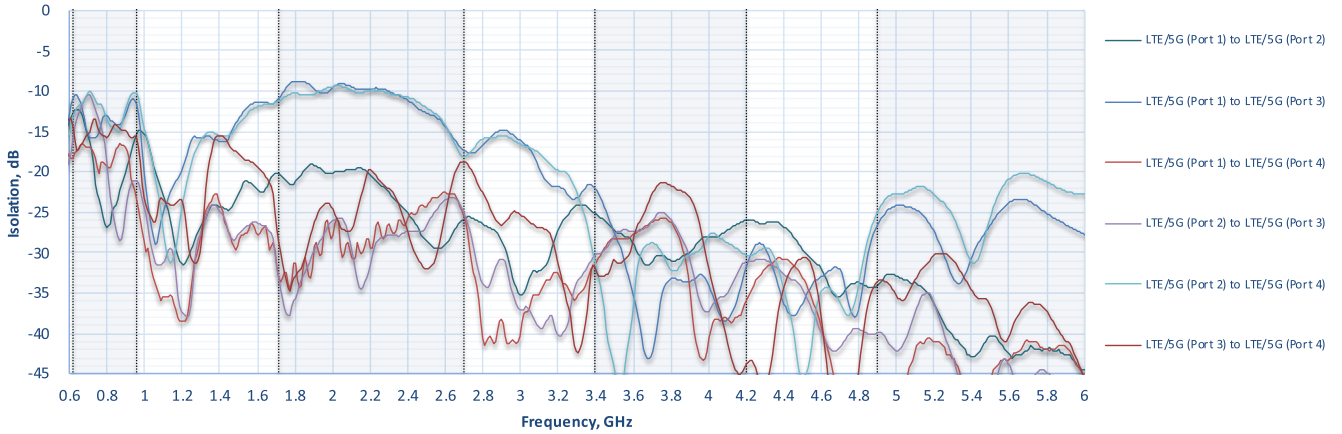
### Cellular Antenna Efficiency



## Cellular & Wi-Fi Antenna Performance

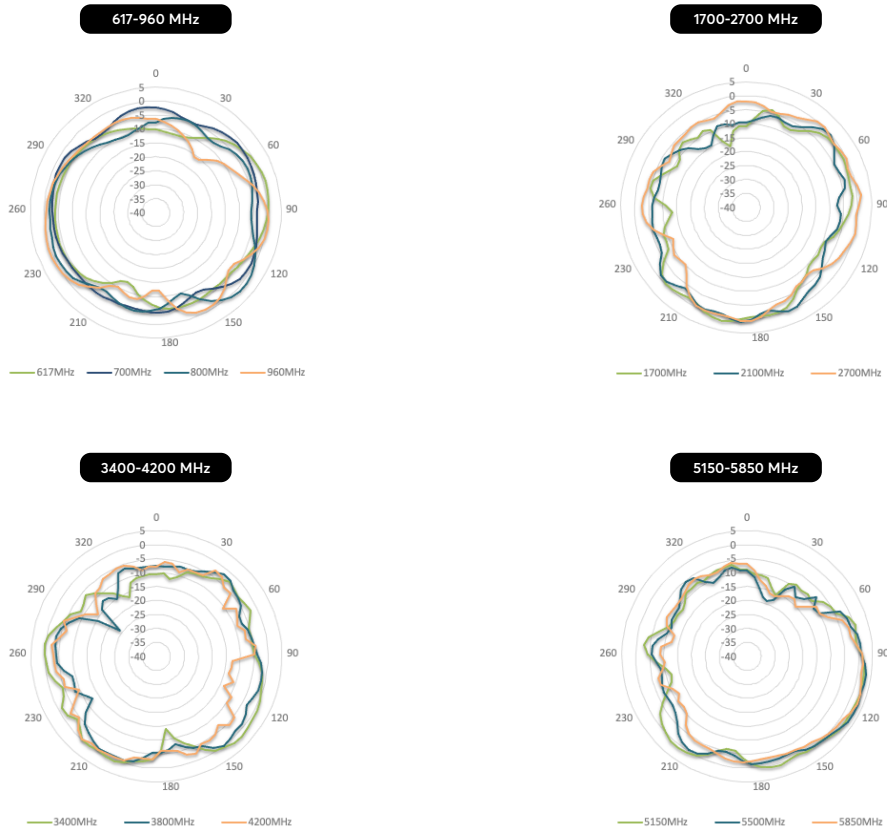
### Cellular & Wi-Fi Antenna Isolation

LTE/5G and Wi-Fi antenna elements isolation



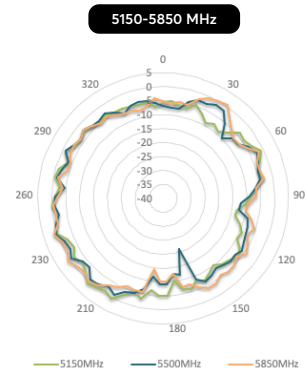
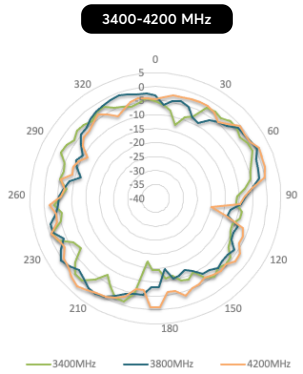
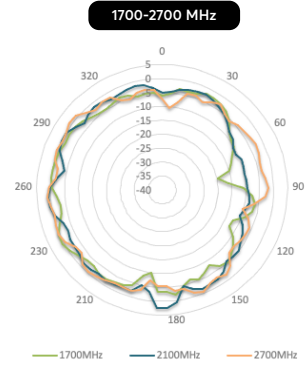
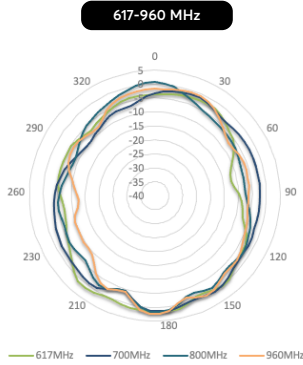
## Radiation Pattern

### LTE Radiation Patterns (Azimuth)



## Radiation Pattern

### LTE Radiation Patterns (Elevation 1)



### LTE Radiation Patterns (Elevation 2)

