

Slim 40G

Applications

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

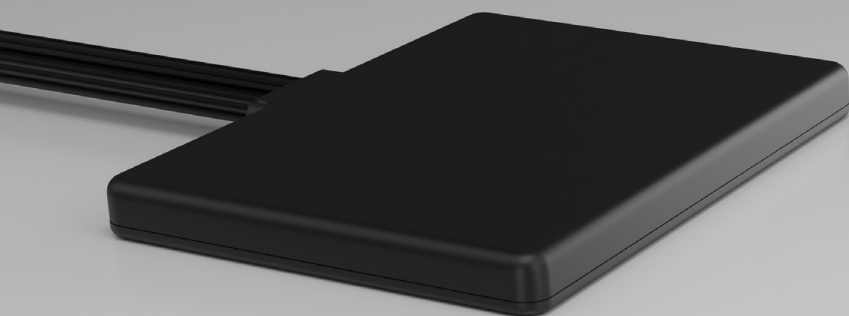


Ultra Wide Bandwidth

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, durable housing.

Easy Installation

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



Specification

Cellular

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

GPS

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

Mounting

Supported Types	Window, wall
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Package contents

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

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

Cable (GPS)

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

Mechanical

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

Specification

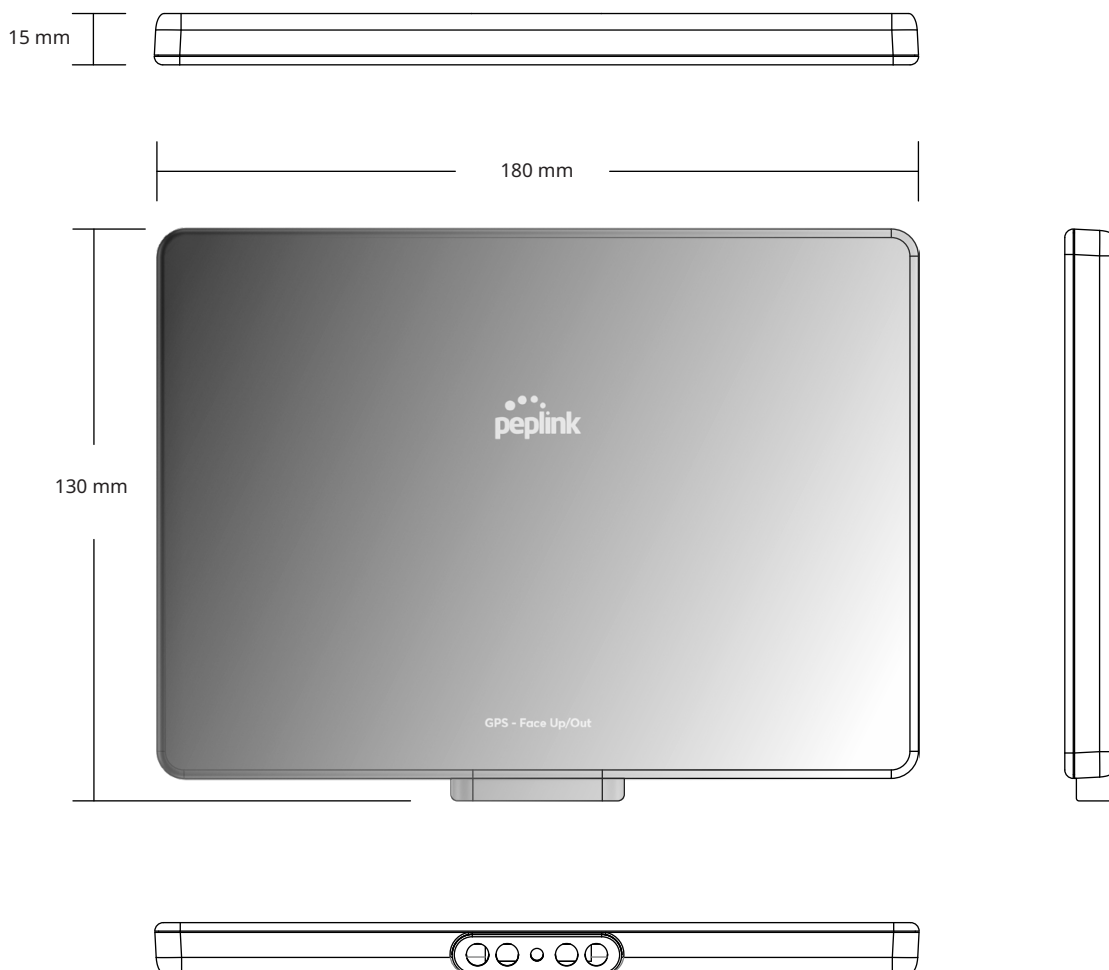
Environmental, compliance

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

Ordering Information

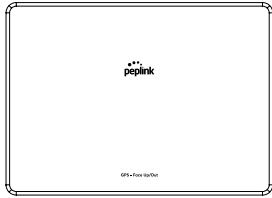
Product Code	Description
ANT-SLM-40G-S-B-6	4xLTE/5G, 1xGPS 600-6000MHz, SMA, Black, 6.5 ft / 2m

Technical Drawing



Installation Recommendation

Step 1



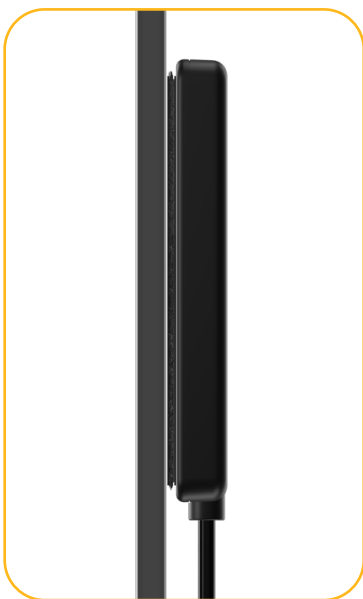
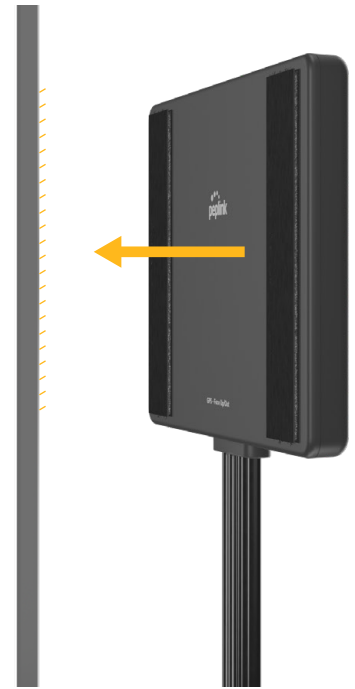
This side face the sky

Velcro strip
(hook and loop fastener)



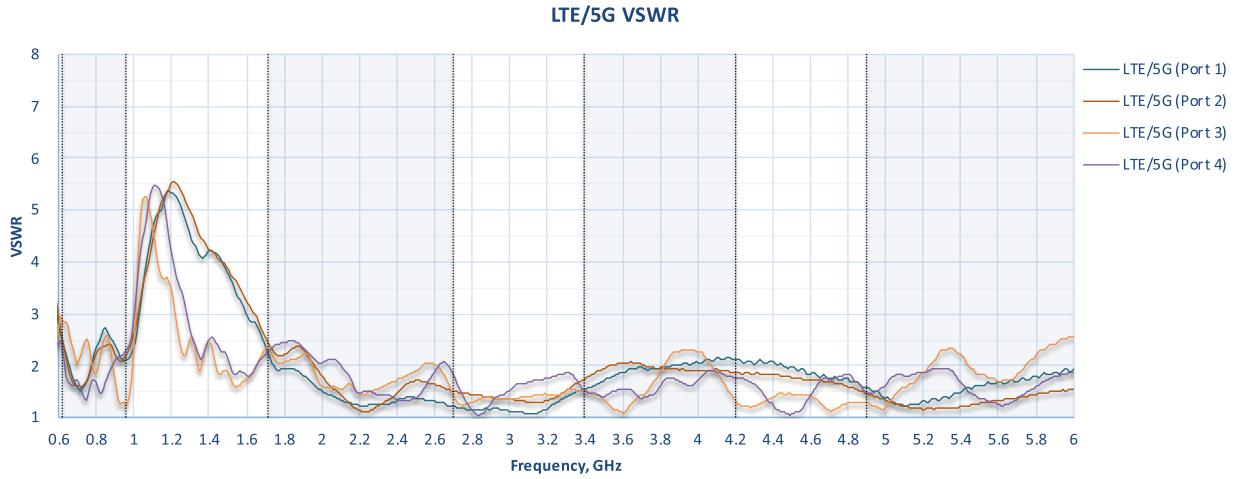
Step 2

window
or wall

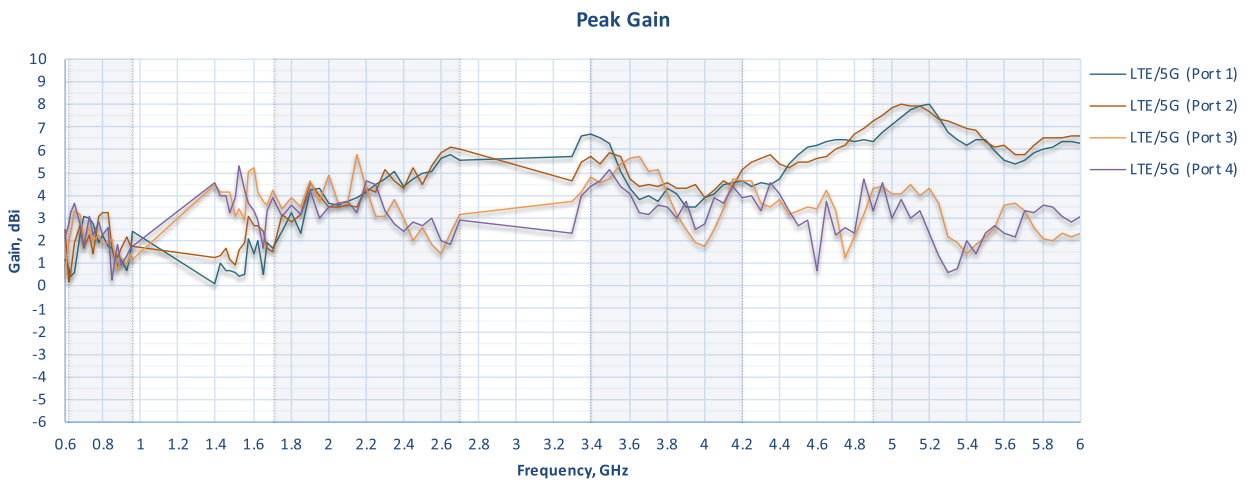


Cellular Antenna Performance

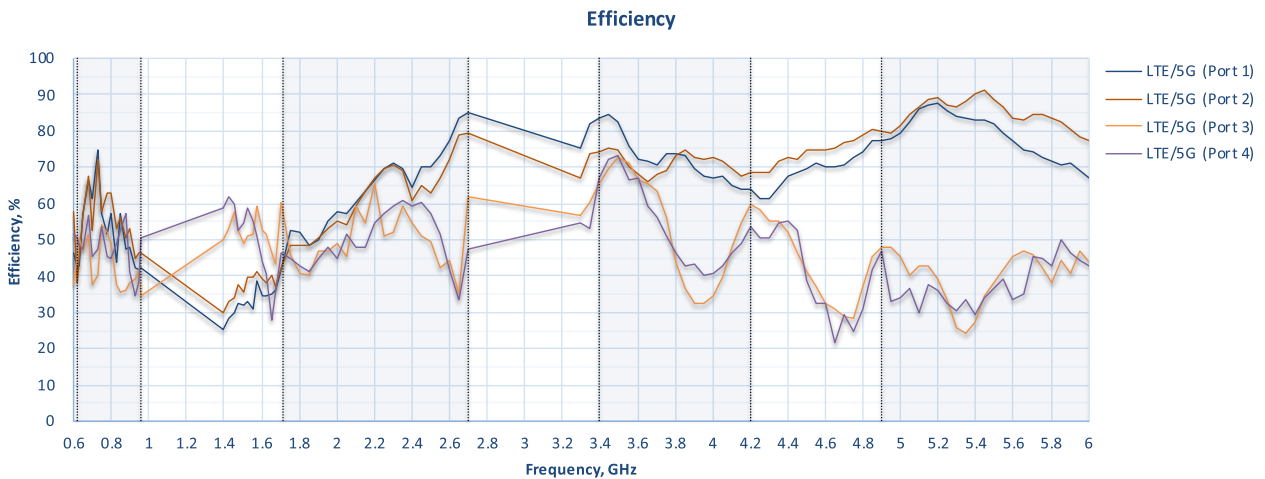
Cellular Antenna VSWR



Cellular Antenna Gain



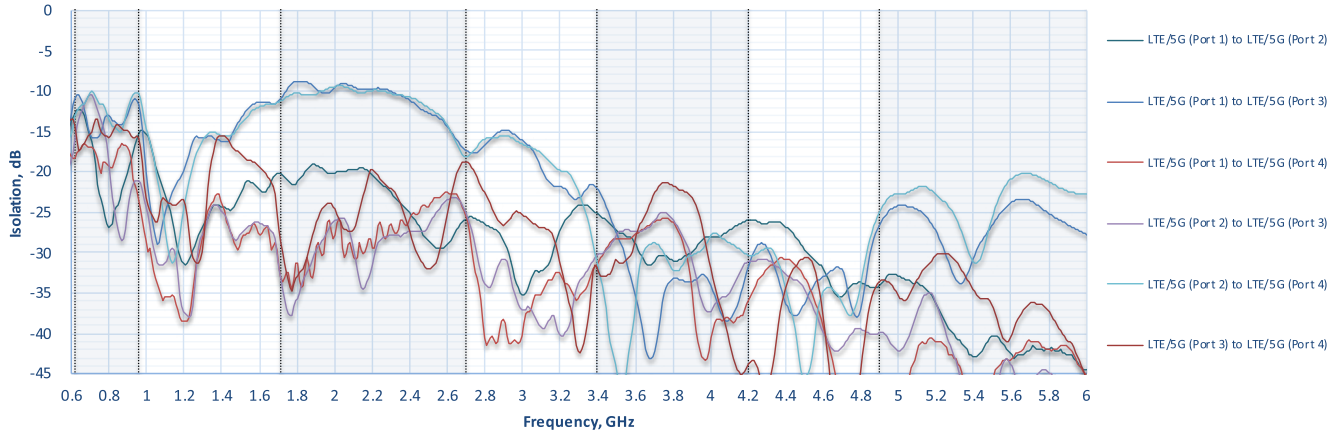
Cellular Antenna Efficiency



Cellular Antenna Performance

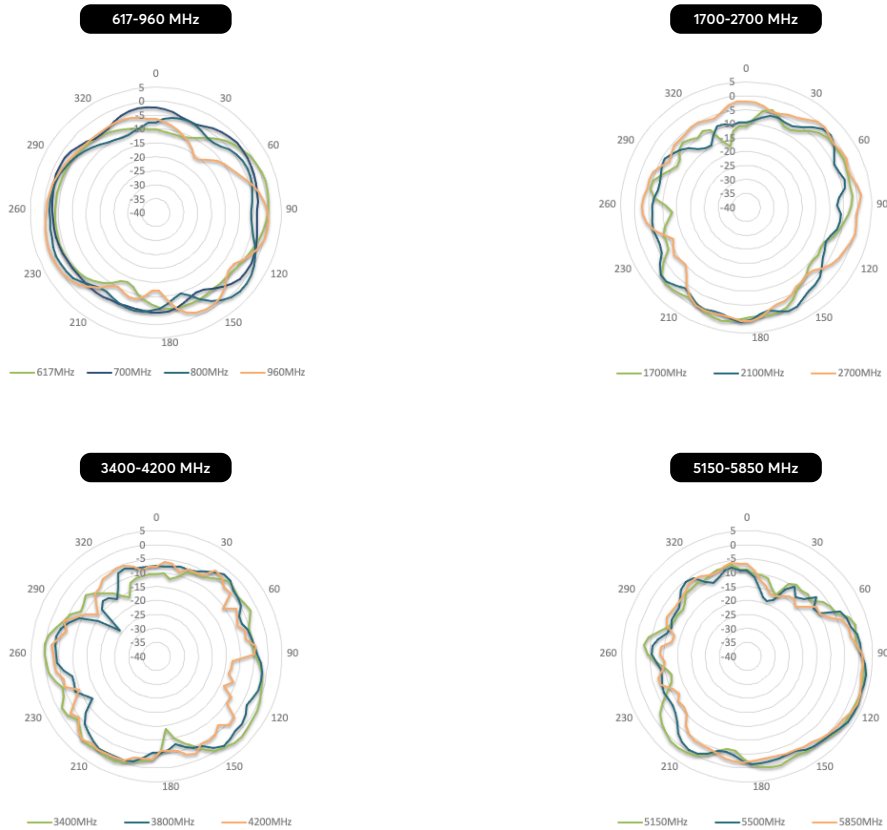
Cellular Antenna Isolation

LTE/5G antenna elements isolation



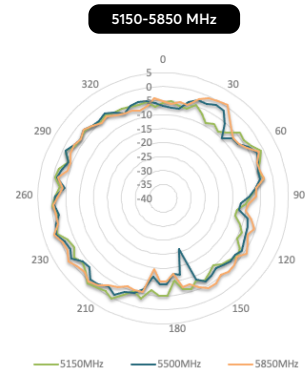
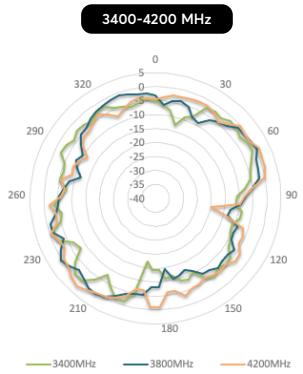
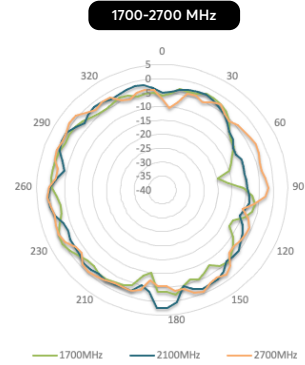
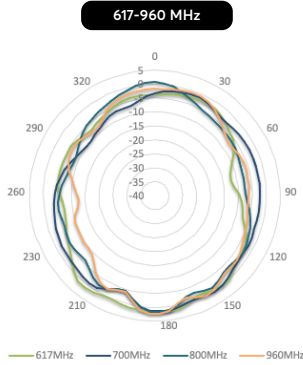
Radiation Pattern

LTE Radiation Patterns (Azimuth)



Radiation Pattern

LTE Radiation Patterns (Elevation 1)



LTE Radiation Patterns (Elevation 2)

