



Slim 22G

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 2x2 MIMO
mobile antenna for the best
performance.

Wi-Fi

2x2 MIMO dual band (2.4GHz & 5GHz)
high gain omnidirectional antennas
for local coverage.





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		Wi-Fi	
Antenna Elements	2 elements	Antenna Elements	2 elements
Peak Gain & Frequencies	4.1dBi: 617-960MHz 4.3dBi: 1710-2700MHz 6.0dBi: 3400-4200MHz 7.5dBi: 5000-6000MHz	Peak Gain & Frequencies	5.5dBi: 2400-2500MHz 5.7dBi: 5000-6000MHz
VSWR	<2.5 over 90% of the band	VSWR	< 2.0
Feed Power Handling	10W	Feed Power Handling	10W
Input Impedance	50 Ω	Input Impedance	50 Ω
Polarisation	Linear	Polarisation	Linear
GPS		Cable (Cellular / Wi-Fi)	
Frequency Range	1561-1602 MHz	Type	CFD-200 (Cellular, Wi-Fi)
Peak Gain	0.5dBi @ 1575MHz 1.6dBi @ 1602MHz	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
VSWR	< 2	Diameter	0.2" / 5.0mm
Output Return Loss	10dB max	Jacket	Half matt PVC, UV resistant
Gain: LNA	28 ±3dB	Termination	SMA male and RP-SMA male
Noise Figure	1.5dB max at 3.3V	Cable (GPS)	
Operating Voltage	3.3V	Type	RG-174 (GPS)
Power Consumption	8.5 ±2.5mA at 3.3V	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

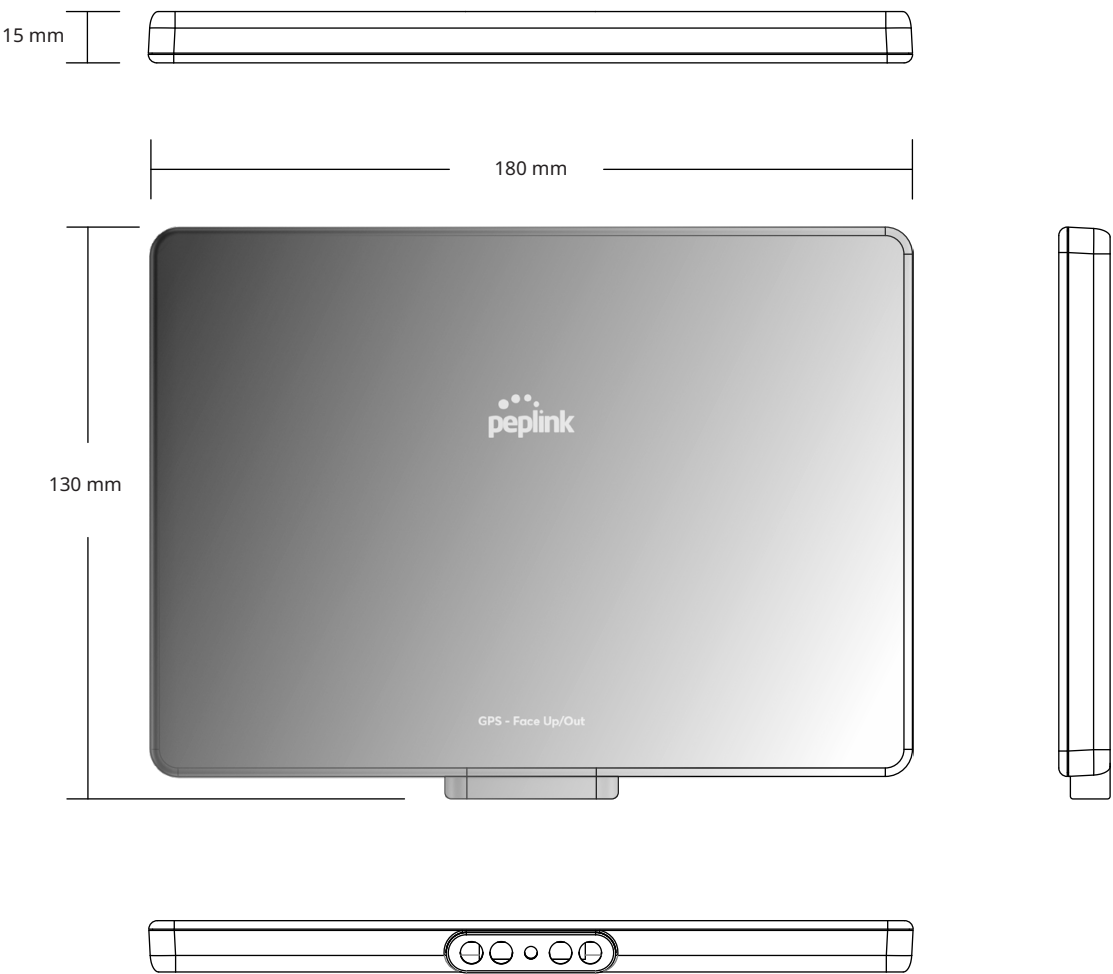
Specification

Mounting		Mechanical	
Supported Types	Window, wall	Product Dimensions	7.09"x5.12"x0.59" / 180x130x15mm
Package contents		Packaged Dimensions	9.61"x3.15"x9.84" / 244x80x250mm
Antenna	Slim 22G	Enclosure Material	UV stable PC
Accessories	Velcro strip (hook and loop fastener) (4pcs, length 4.7' / 120mm)	Color	Black
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

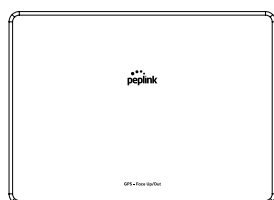
Product Code	Description
ANT-SLM-22G-S-B-6	2xLTE/5G, 2x Wi-Fi, 1xGPS 600-6000MHz, SMA, Black, 6.5 ft / 2m

Technical Drawing



Installation Recommendation

Step 1



This side face the sky

Velcro strip
(hook and loop fastener)



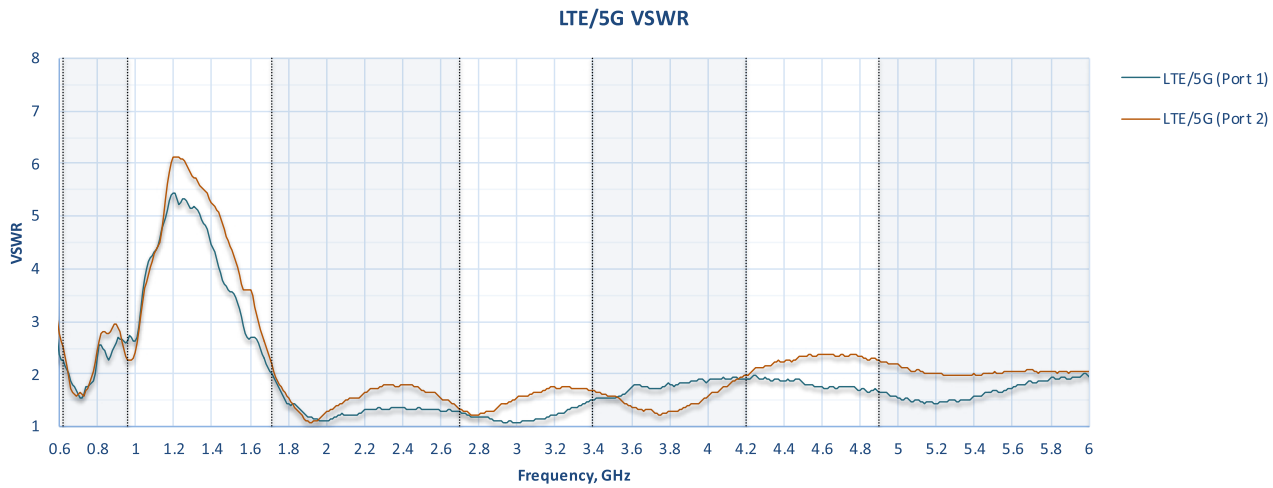
Step 2

window
or wall

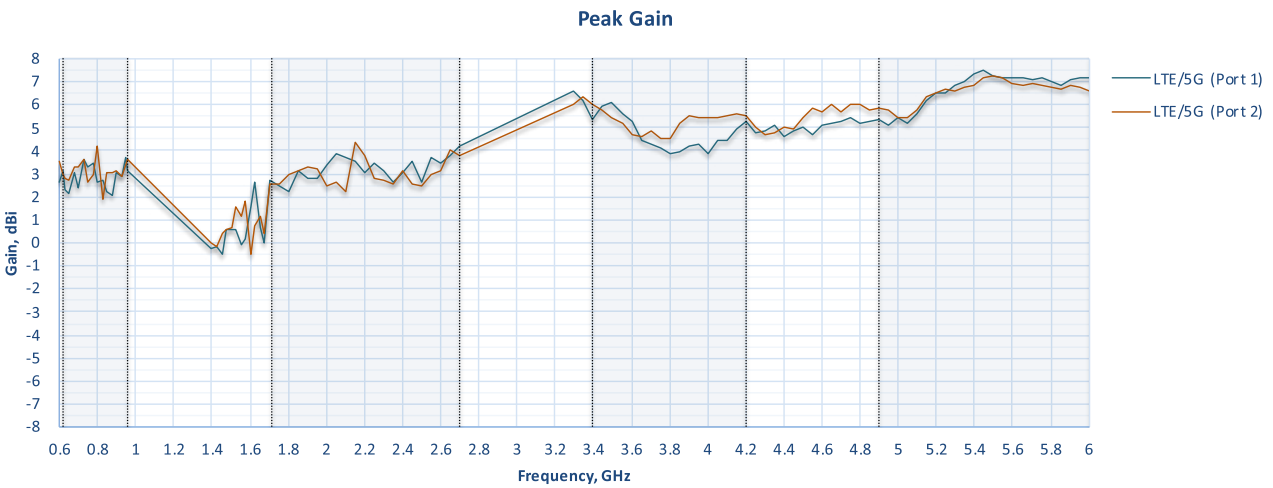


Cellular Antenna Performance

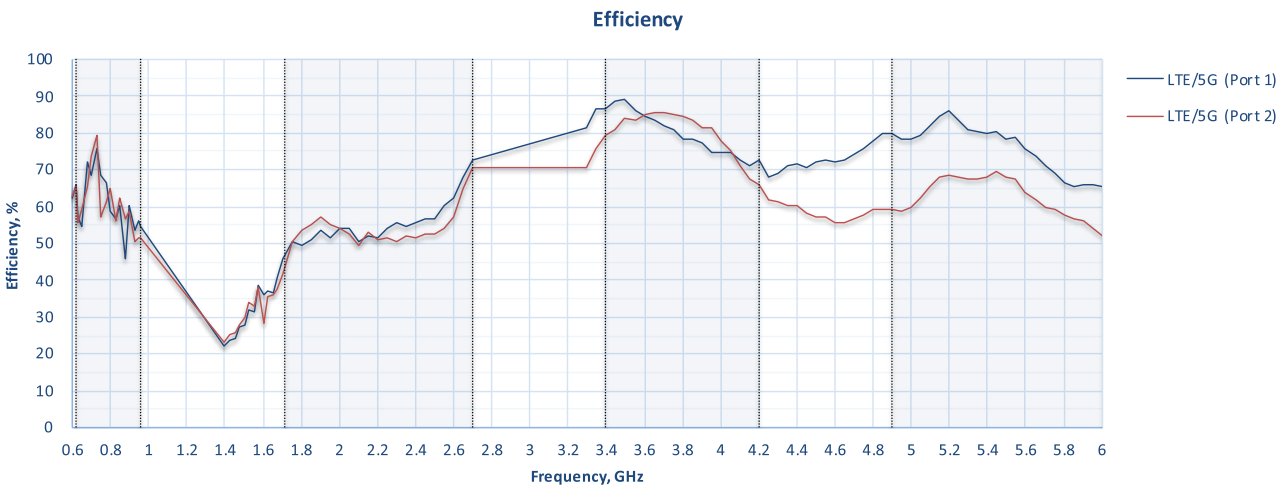
Cellular Antenna VSWR



Cellular Antenna Gain

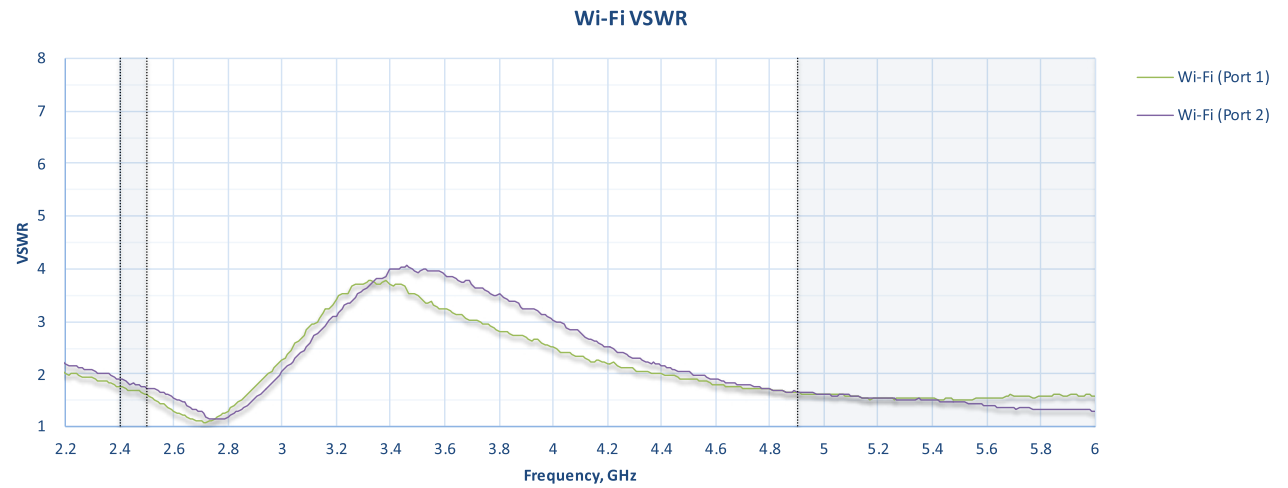


Cellular Antenna Efficiency

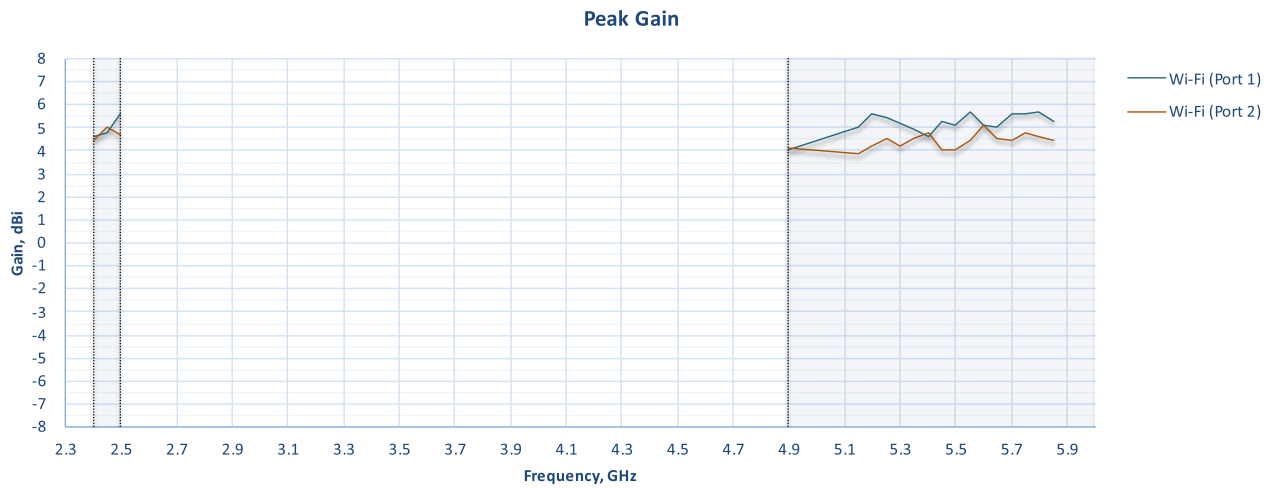


Wi-Fi Antenna Performance

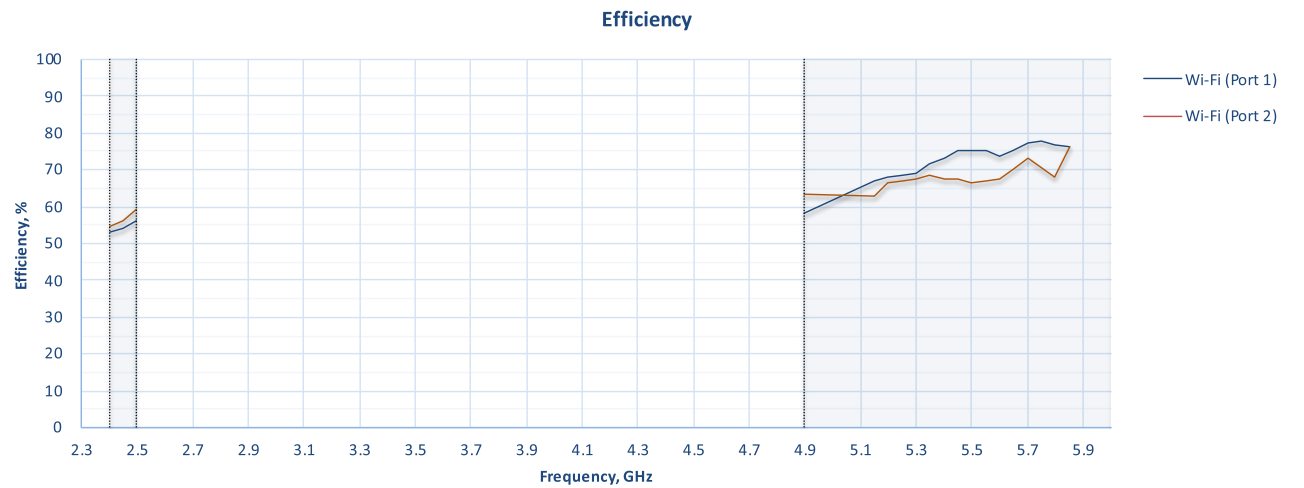
Wi-Fi Antenna VSWR



Wi-Fi Antenna Gain

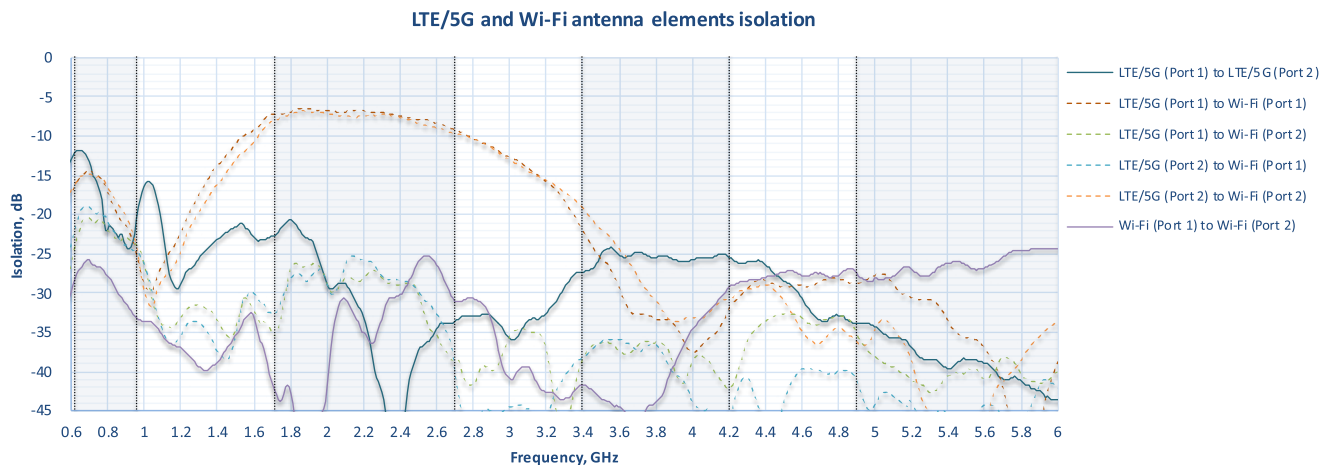


Wi-Fi Antenna Efficiency



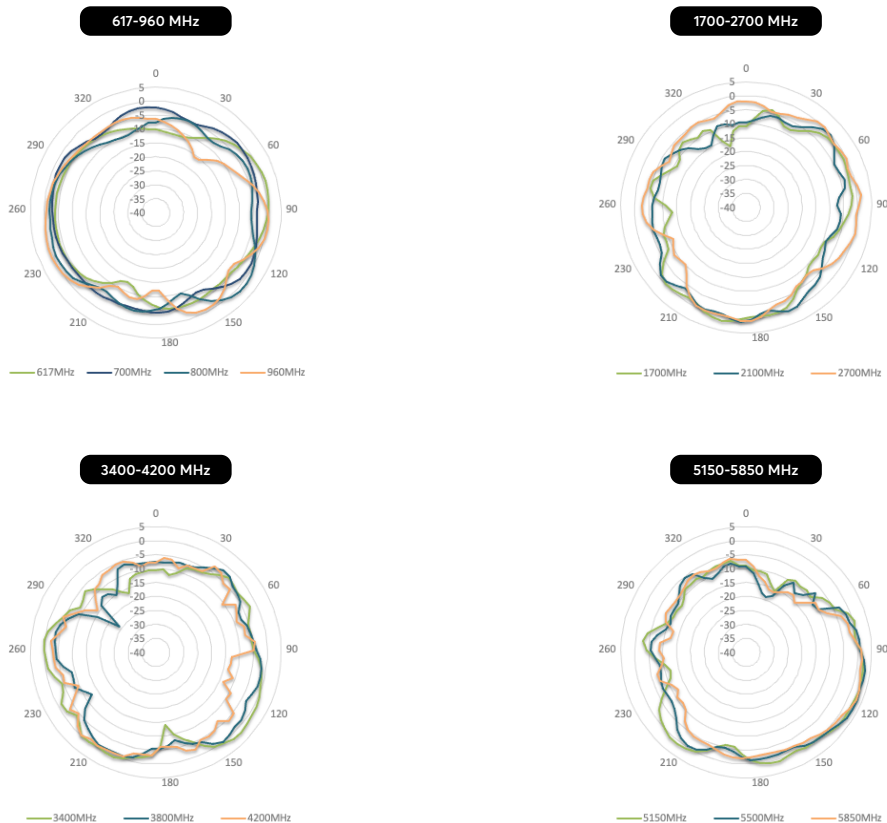
Cellular & Wi-Fi Antenna Performance

Cellular & Wi-Fi Antenna Isolation



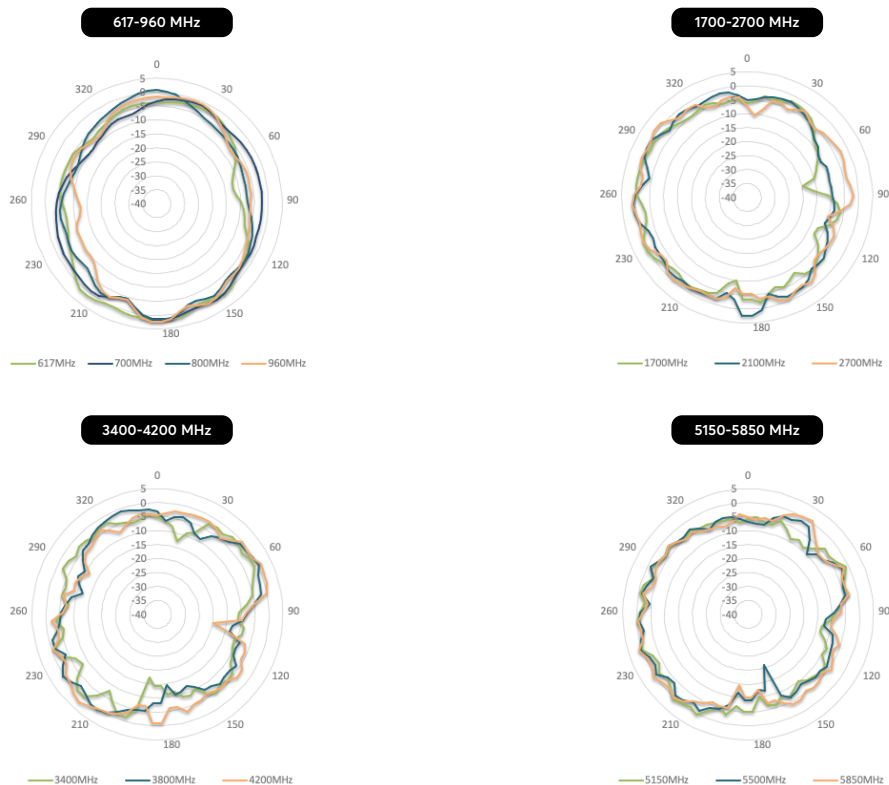
Radiation Pattern

LTE Radiation Patterns (Azimuth)

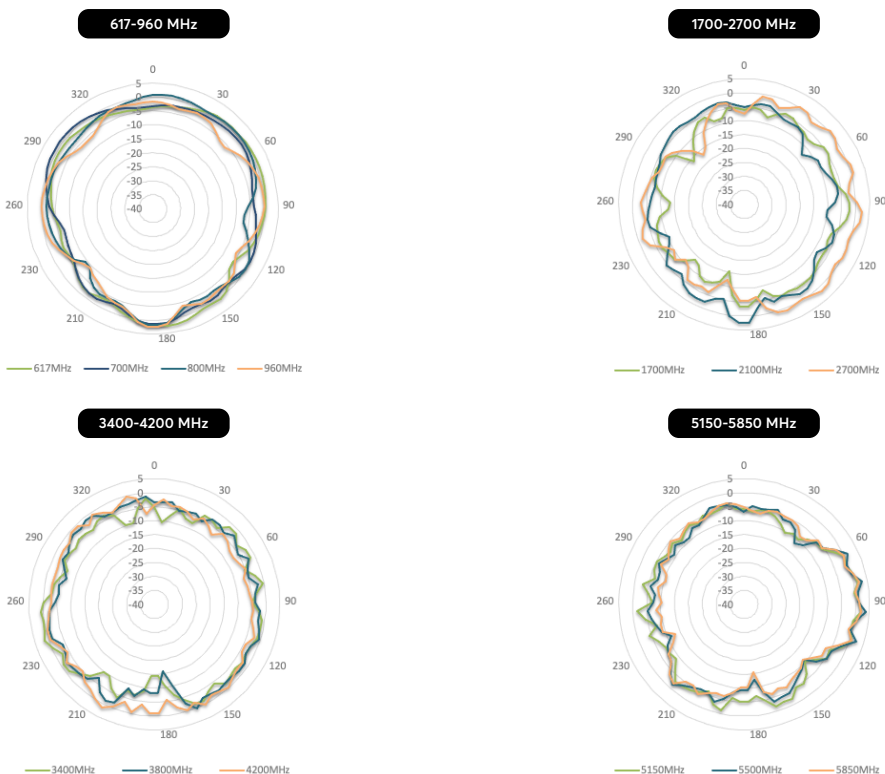


Radiation Pattern

LTE Radiation Patterns (Elevation 1)



LTE Radiation Patterns (Elevation 2)



Radiation Pattern

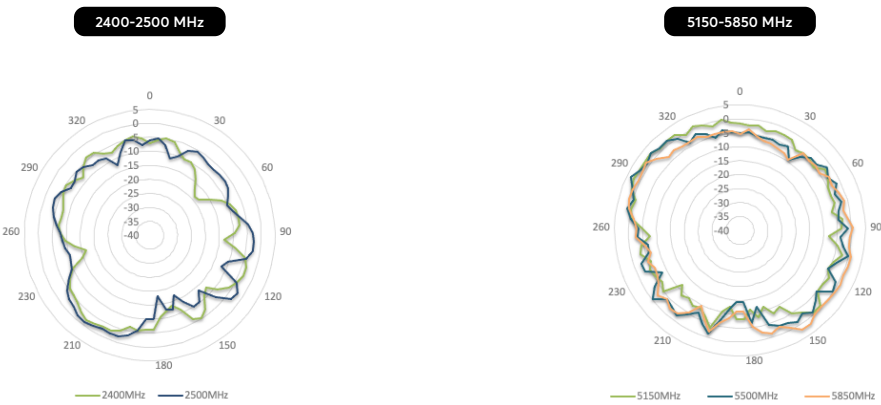
Wi-Fi Radiation Patterns (Azimuth)



Wi-Fi Radiation Patterns (Elevation 1)



Wi-Fi Radiation Patterns (Elevation 2)



Slim 40G

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Specification

Cellular		Cable (Cellular)	
Antenna Elements	4 elements	Type	CFD-200 (Cellular)
Peak Gain & Frequencies	3.6dBi: 617-960MHz 6.1dBi: 1710-2700MHz 6.7dBi: 3400-4200MHz 8.1dBi: 5000-6000MHz	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
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Input Impedance	50 Ω	Termination	SMA male
Polarisation	Linear		
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Frequency Range	1561-1602 MHz	Type	RG-174 (GPS)
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Package contents			
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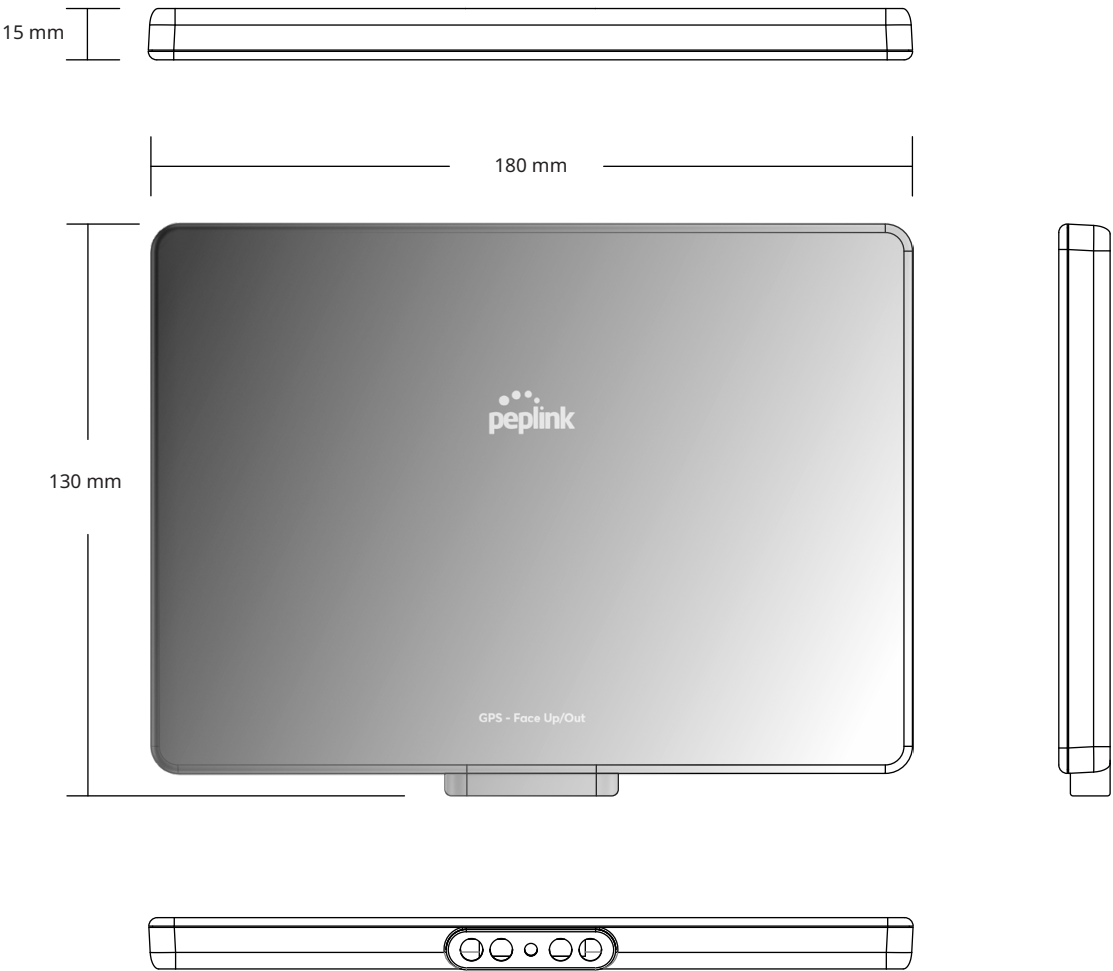
Specification

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)



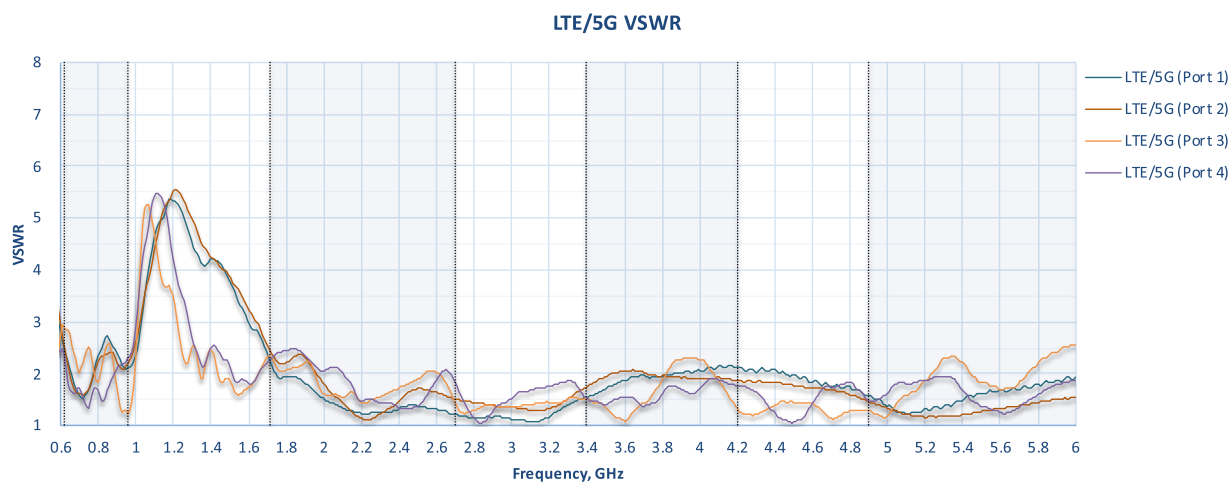
Step 2

window
or wall

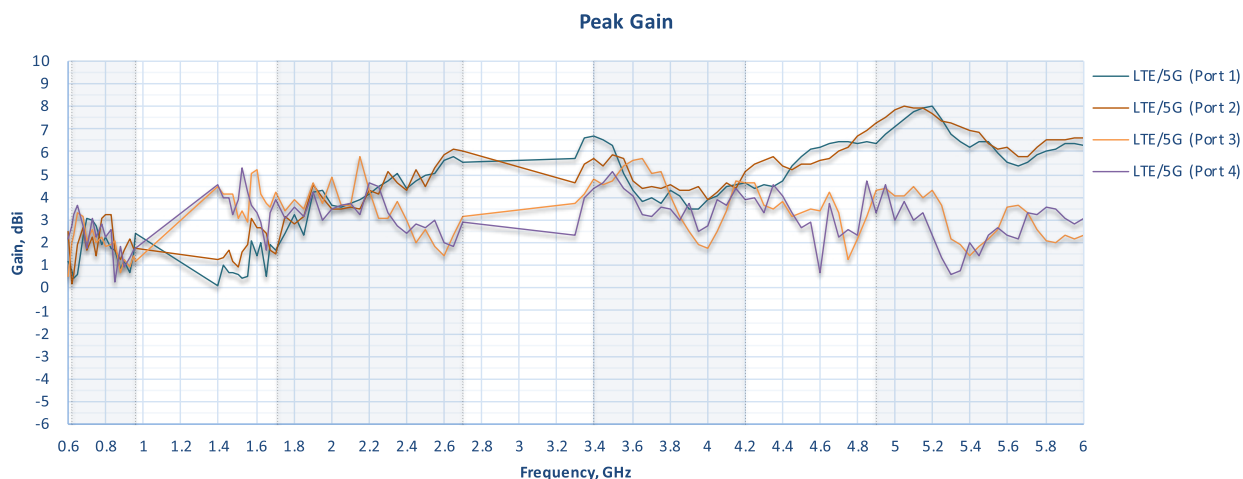


Cellular Antenna Performance

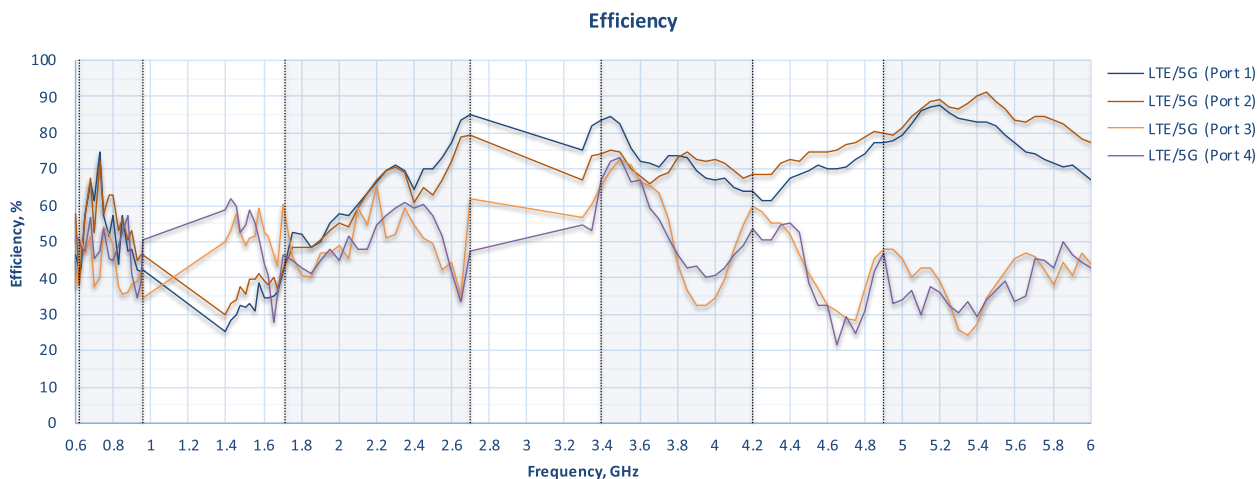
Cellular Antenna VSWR



Cellular Antenna Gain



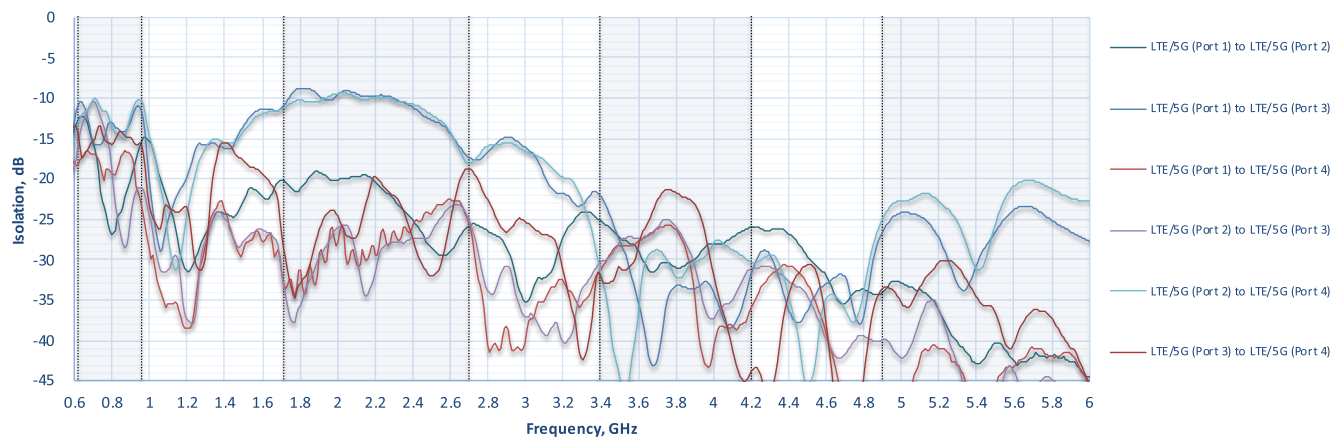
Cellular Antenna Efficiency



Cellular Antenna Performance

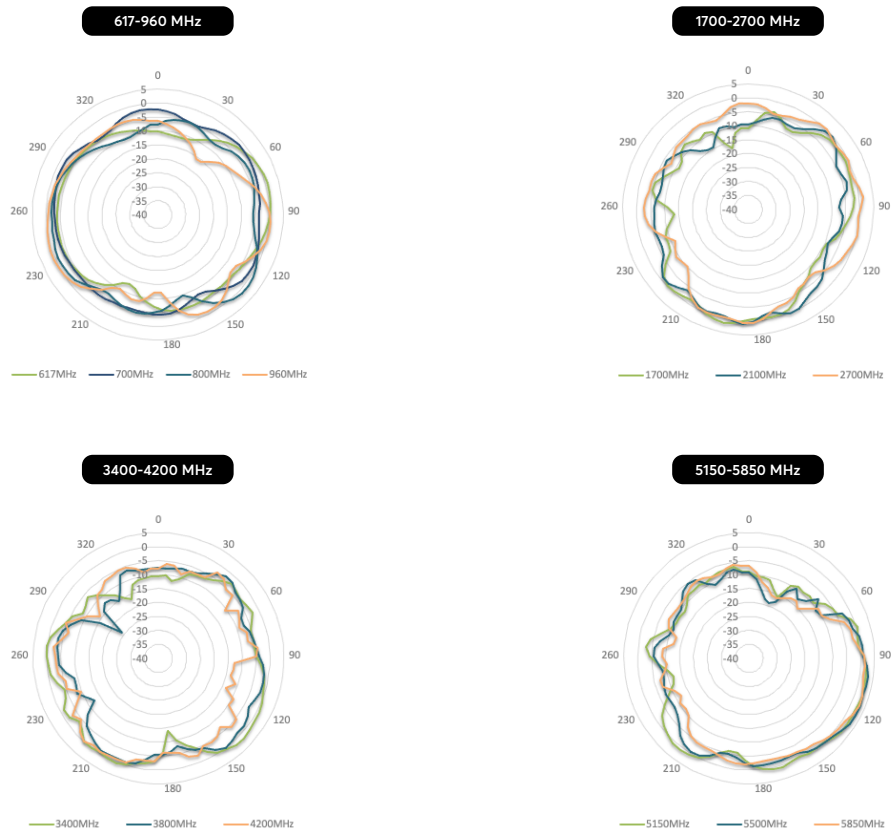
Cellular Antenna Isolation

LTE/5G antenna elements isolation



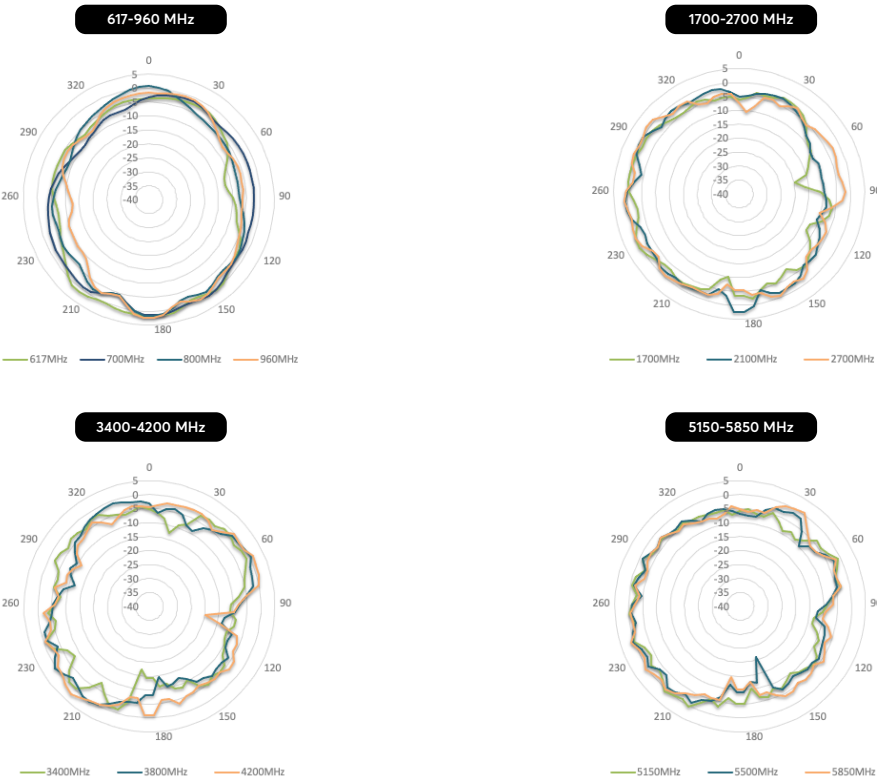
Radiation Pattern

LTE Radiation Patterns (Azimuth)



Radiation Pattern

LTE Radiation Patterns (Elevation 1)



LTE Radiation Patterns (Elevation 2)

