

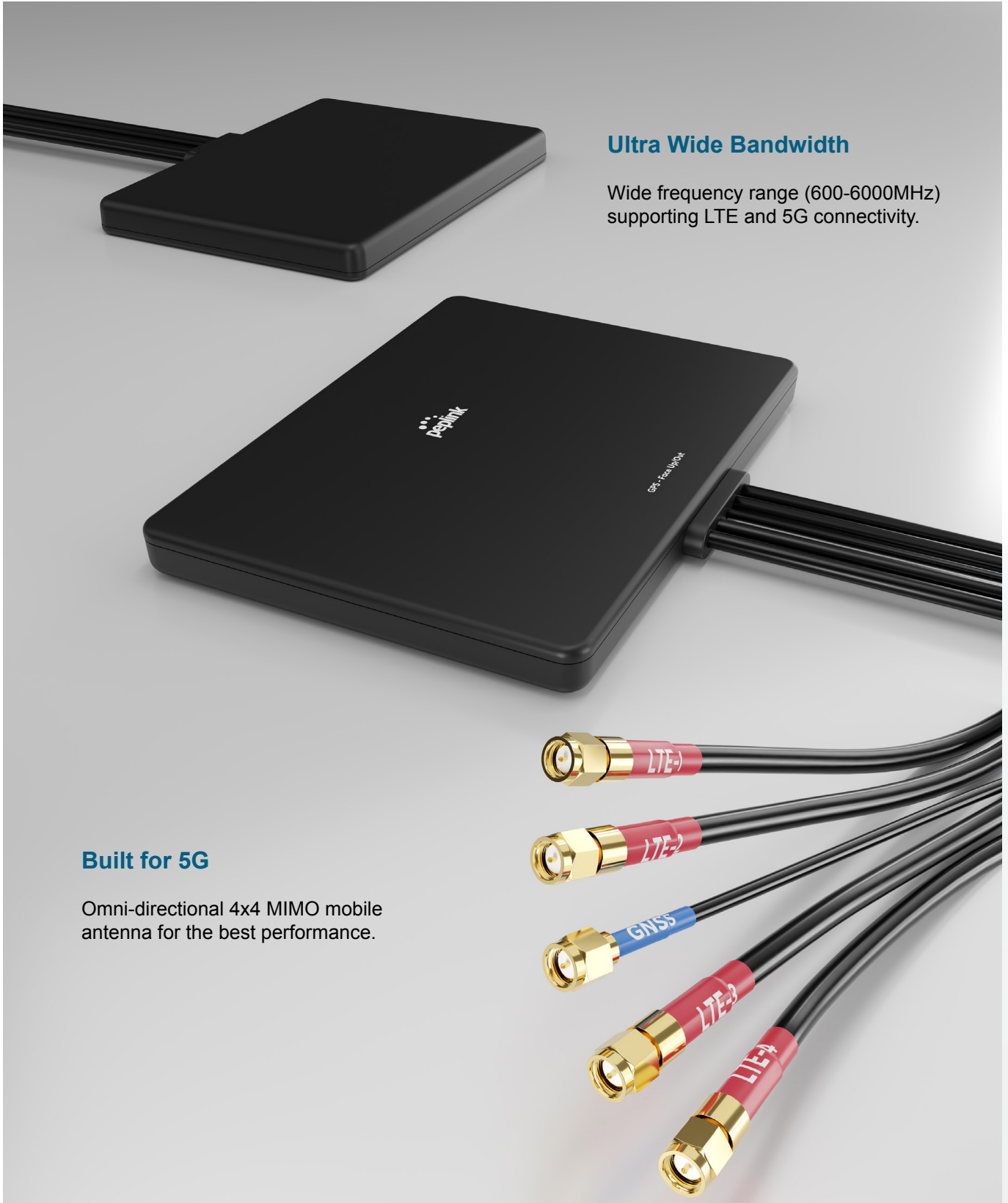


Slim 40G

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.



Easy Installation

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



Specifications

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 95% 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:**
< 2.0
- **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

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" x 5.12" x 0.59" /
180 x 130 x 15mm
- **Packaged Dimensions:**
9.61" x 3.15" x 9.84" /
244 x 80 x 250mm
- **Enclosure Material:**
UV stable PC
- **Color:**
Black

Mounting

- **Supported Types:**
Window, wall

Environmental, Compliance

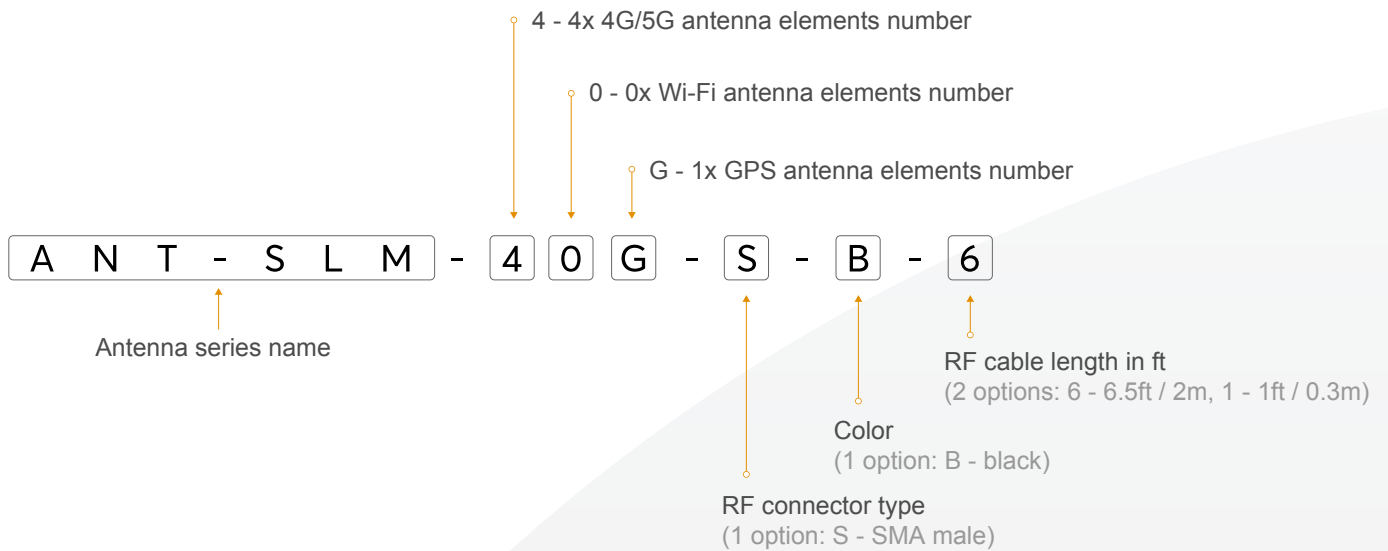
- **IP Rating:**
IP55
- **Operating Temperature:**
-40° - 176°F / -40° - 80°C
- **Storage Temperature:**
-40° - 176°F / -40° - 80°C
- **Compliance:**
ROHS, REACH, WEEE
- **Enclosure Flammability:**
UL 94 HB
- **Cable Flammability:**
UL 758 (VW-1)
- **UV resistanc:**
UL 746C (F1 long-term UV exposure)

Package Contents

- **Package Contents:**
Slim 40G
Velcro strip (hook and loop fastener)
(4pcs, length 4.7" / 120mm)



Ordering Information



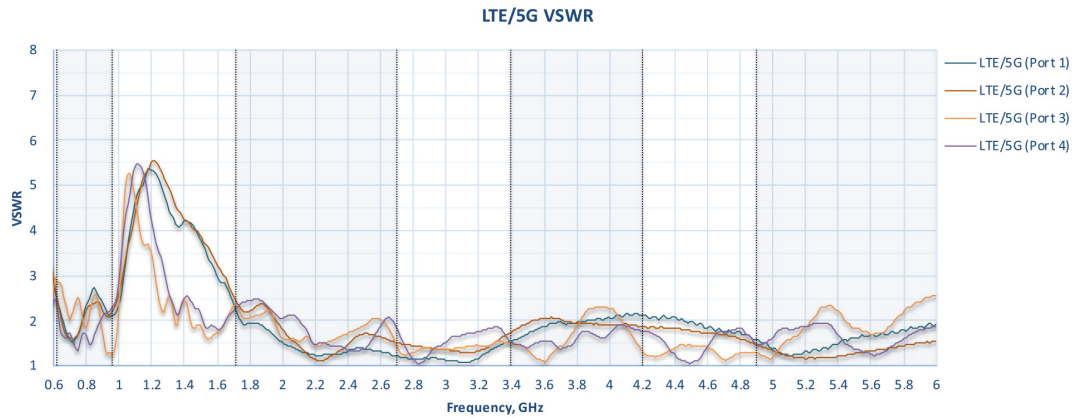
Product Code	Description
ANT-SLM-40G-S-B-6	4x LTE/5G, 1x GPS 600-6000MHz, SMA male, Black, 6.5ft / 2m
ANT-SLM-40G-S-RA-B-1	4x LTE/5G, 1x GPS 600-6000MHz, Right angle SMA male, Black, 1ft / 0.3m

Technical Drawing

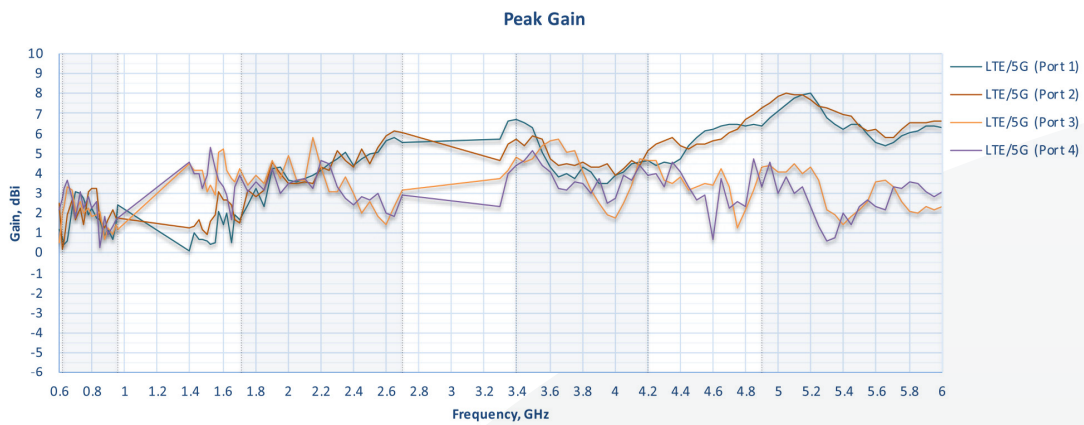


Cellular Antenna Performance

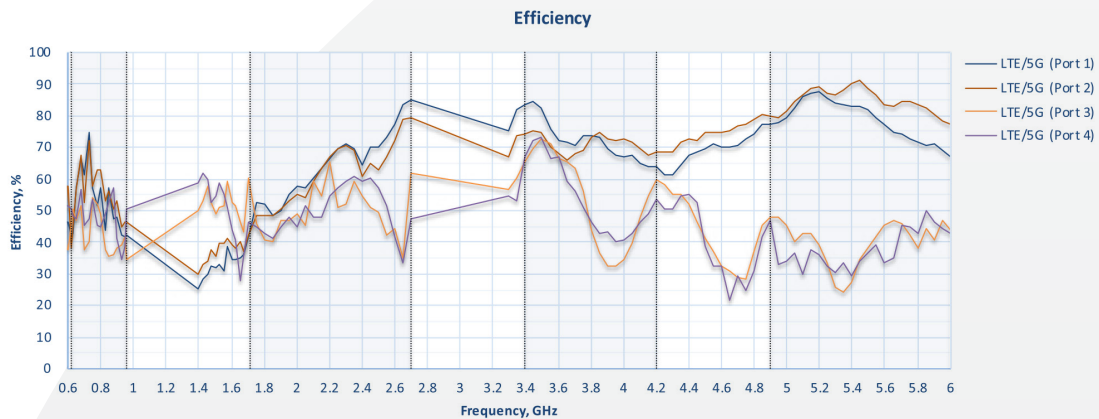
Cellular Antenna VSWR



Cellular Antenna Gain



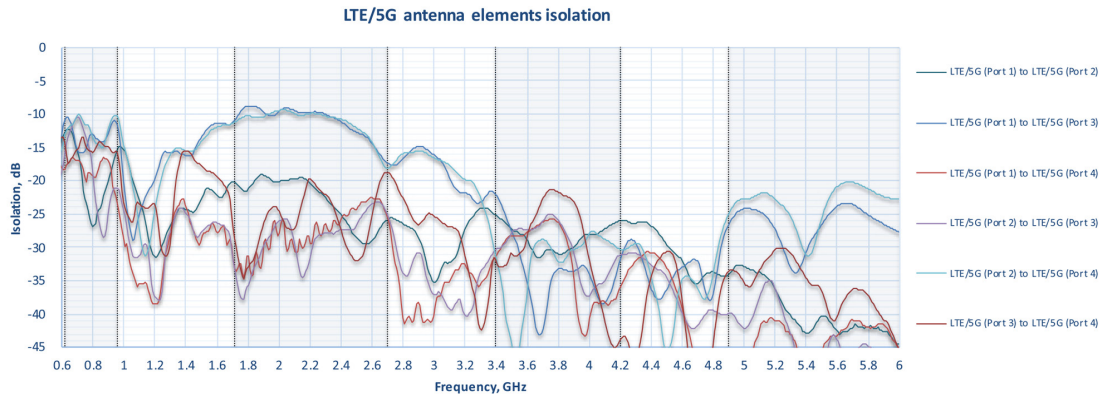
Cellular Antenna Efficiency





Cellular & Wi-Fi Antenna Performance

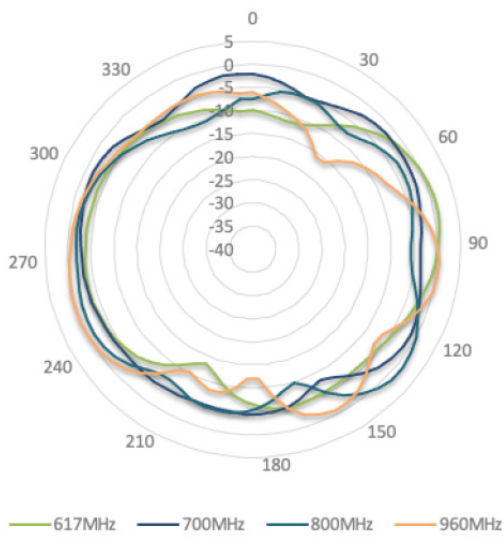
Cellular & Wi-Fi Antenna Isolation



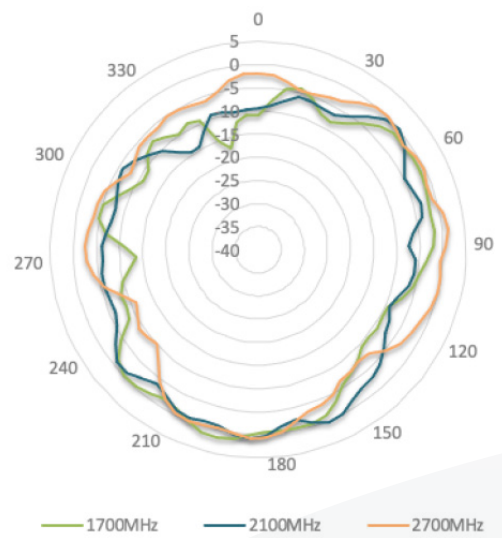
Radiation Pattern

LTE Radiation Patterns (Azimuth)

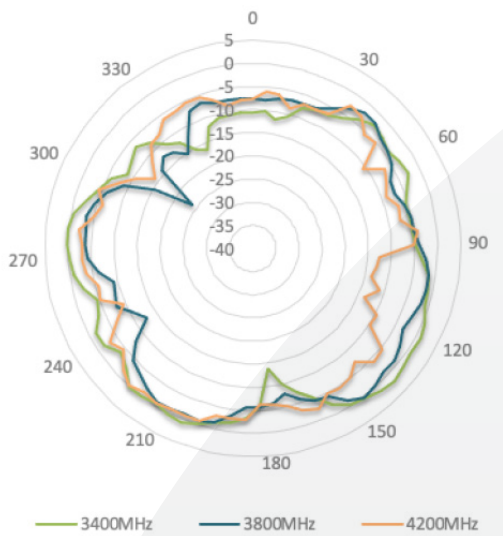
617-960 MHz



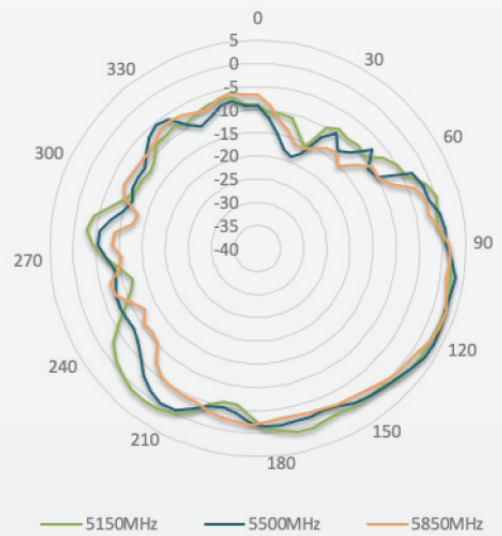
1700-2700 MHz



3400-4200 MHz



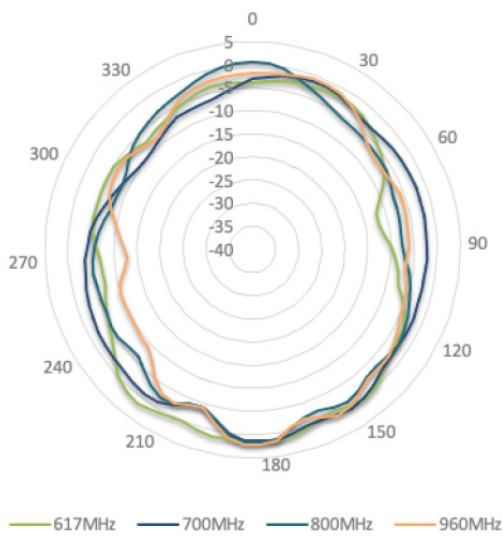
5150-5850 MHz



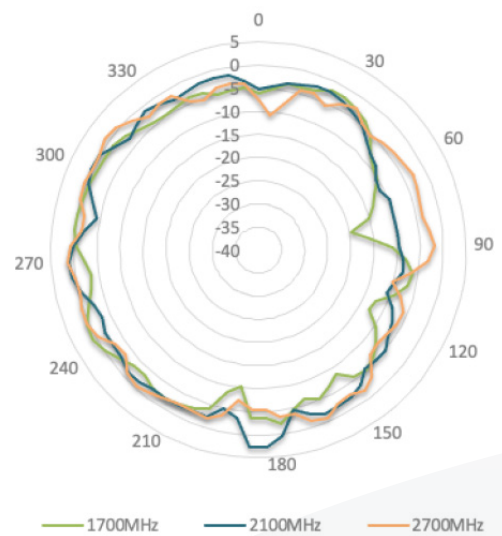
Radiation Pattern

LTE Radiation Patterns (Elevation 1)

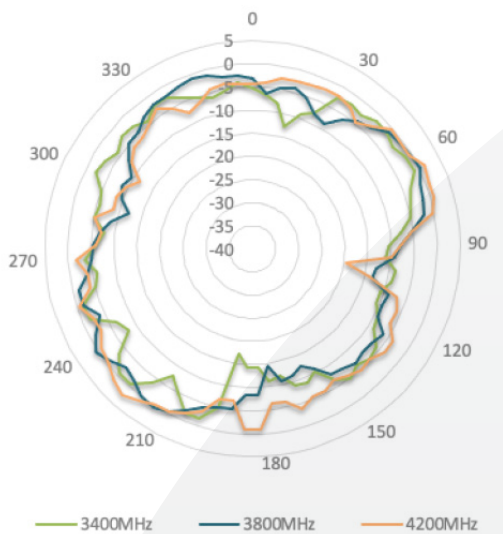
617-960 MHz



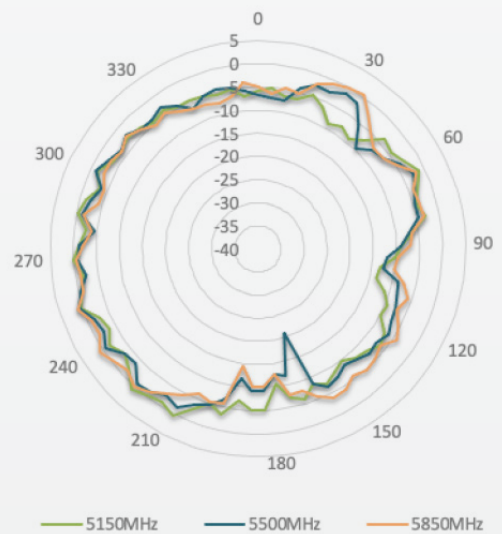
1700-2700 MHz



3400-4200 MHz



5150-5850 MHz

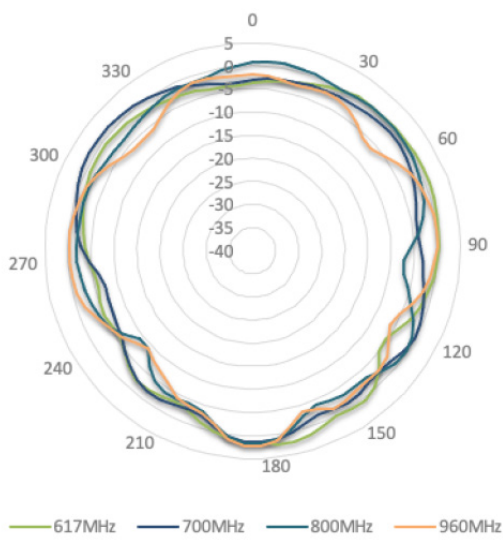




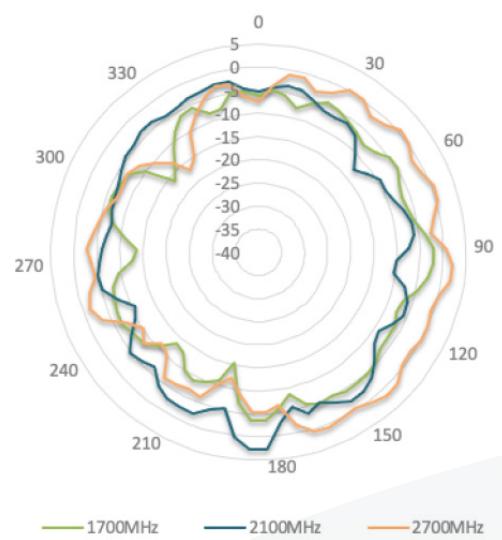
Radiation Pattern

LTE Radiation Patterns (Elevation 2)

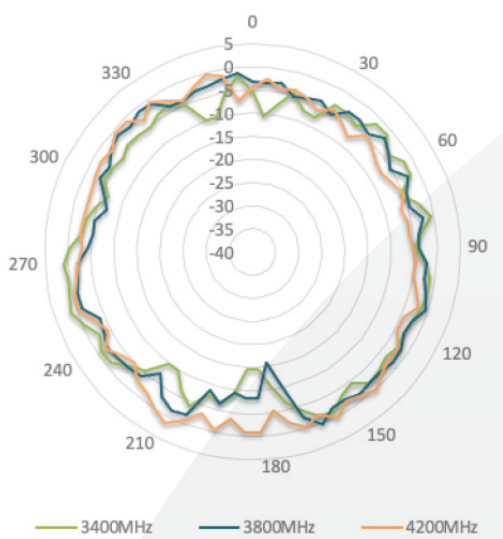
617-960 MHz



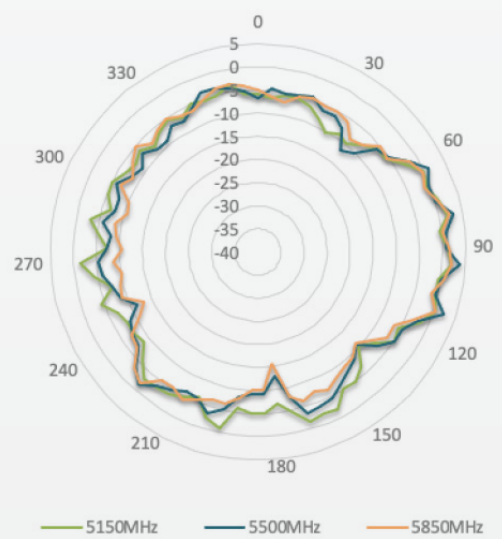
1700-2700 MHz



3400-4200 MHz

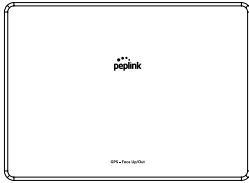


5150-5850 MHz



Installation Recommendation

Step 1



This side face the sky

Velcro strip
(hook and loop fastener)



Step 2

window
or wall

