

# HD1 Dome PRO

5G<sup>+</sup> Cellular Router  
for outdoor deployments



## A refinement in outdoor interconnectivity

The HD1 Dome Pro adapts to the flexible nature of outdoor deployments, offering powerful speeds, with refined Wi-Fi options. The **5G modem**, with its **embedded cellular antennas**, ensures minimal cable loss and offers the finest signal quality.



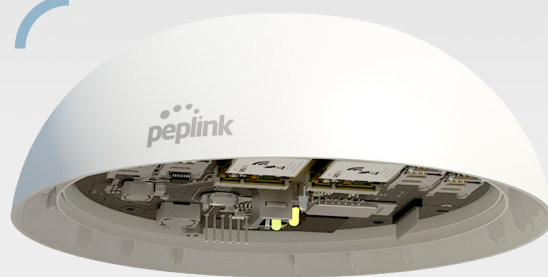
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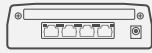


Wi-Fi as WAN

Wi-Fi 6

The **Wi-Fi 6** and **Wi-Fi as WAN** support can optimize your network and provide versatility as and when required. Leverage bandwidth costs and easily expand your network. Experience no more interruptions with SpeedFusion's hot failover options.





# Instant flexibility with the SIM injector.

Simply connect an Ethernet cable between the SIM injector<sup>^</sup> and the HD1 Dome Pro to manage up to **10 physical SIMs**.

With remote network management available via Peplink's cloud-based management system, InControl2, accessibility worries are a thing of the past.

## SIM Injector Specifications

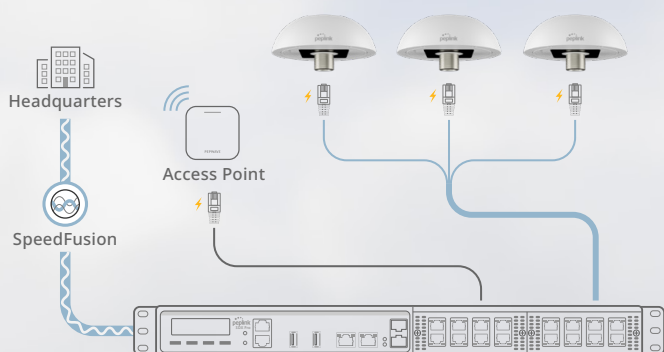
<b>SIM Slots</b>	8x Active SIM Slots, Standard Size	<b>Weight</b>	430 grams / 0.94 pounds
<b>LAN Interface</b>	4x GE, PoE 802.3at Support	<b>Operating Temperature</b>	-40 - 149 °F / -40 - 65 °C
<b>Power Input</b>	DC Jack / Terminal Block: 12-56V	<b>Humidity</b>	15% - 95% (non-condensing)
<b>Dimensions</b>	1.6 x 5.8 x 5 inches / 40 x 147 x 128 mm		



<sup>^</sup>We are now offering bundle value when purchased together. Contact your point of sales for more information.


# Together it works

The HD1 Dome Pro can **optimize network performance** with its PoE functionality. Leverage the power of SpeedFusion by simply connecting Peplink PoE routers, for a mega-bandwidth channel, with the simplest failover option. Or alternatively, extend the Wi-Fi range by connecting an external access point.




# A design that's made to meet your needs






M35 Screw Mount

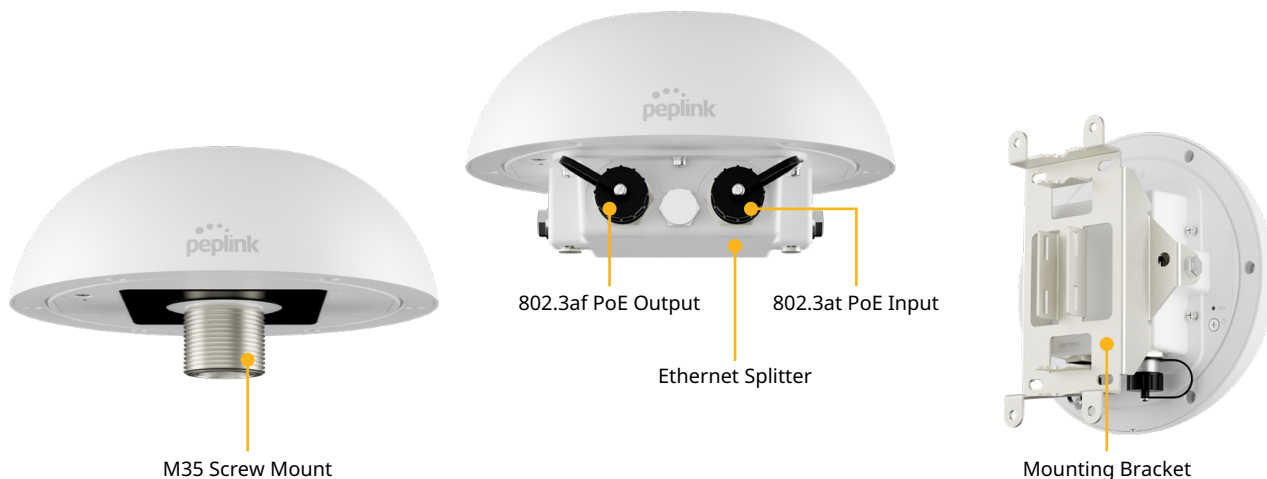


Ethernet Splitter



Mounting Bracket

It's simple design offers a multitude of installation options. The HD1 Dome Pro includes an **M35 screw mount** and **Ethernet splitter**, making it easy for wall or pole mount. If mounting is not needed, simply connect an Ethernet cable and it's good to go.



## Specifications

<b>WAN Interface</b>	1x 5G Modem with Redundant SIM Slots <sup>1</sup>	<b>Power Consumption</b>	20 W (max., without PoE output)
<b>LAN Interface</b>	1x 10/100/1000M Ethernet <sup>2 3</sup>	<b>Dimension</b>	4.33 inches (radius) x 4.53 inches (height) 110 mm (radius) x 115 mm (height)
<b>Wi-Fi Interface</b>	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6, 2X2 MIMO Wi-Fi WAN and/or AP	<b>Weight</b>	With Ethernet Splitter: 3.75 pounds / 1.7 kg Without Ethernet Splitter: 2.65 pounds / 1.2 kg
<b>Number of SpeedFusion VPN Peers</b>	2	<b>Operating Temperature</b>	-40° – 149°F / -40° – 65°C
<b>Enclosure</b>	Rugged outdoor IP67 (with Ethernet Splitter)	<b>Humidity</b>	15% – 95% (non-condensing)
<b>Recommended Users</b>	150	<b>Certifications</b>	FCC, CE, RoHS <sup>4</sup> , Electromagnetic Compatibility: EN 61000 <sup>3</sup>
<b>Cellular Data Rate (Downlink / Uplink)</b>	5G: 4 Gbps / 700 Mbps LTE CAT-20: 2 Gbps / 150 Mbps	<b>Package Content</b>	MAX HD1 Dome Pro, Ethernet Splitter, 2x Waterproof Ethernet Connector (ACW-112), Mounting Kit Set
<b>Antenna</b>	4X4 Internal MIMO Cellular Antennas 2X2 Internal MIMO Wi-Fi Antennas 1x Internal GPS Antenna	<b>SIM Card Size</b>	Nano-SIM (4FF)
<b>Power Input</b>	1x 802.3at PoE+	<b>Warranty</b>	1-Year Limited Warranty
<b>Power Output</b>	1x 802.3af PoE (with Ethernet Splitter)		

<sup>1</sup> SIM Injector is available separately.

<sup>2</sup> Ethernet LAN port can be split into two LAN ports using the included splitter (1x LAN 802.3af PoE out, 1x LAN 802.3at PoE+ in).

<sup>3</sup> Ethernet port includes surge and ESD protection circuits to protect against over-voltage transients.

<sup>4</sup> Certification Pending.

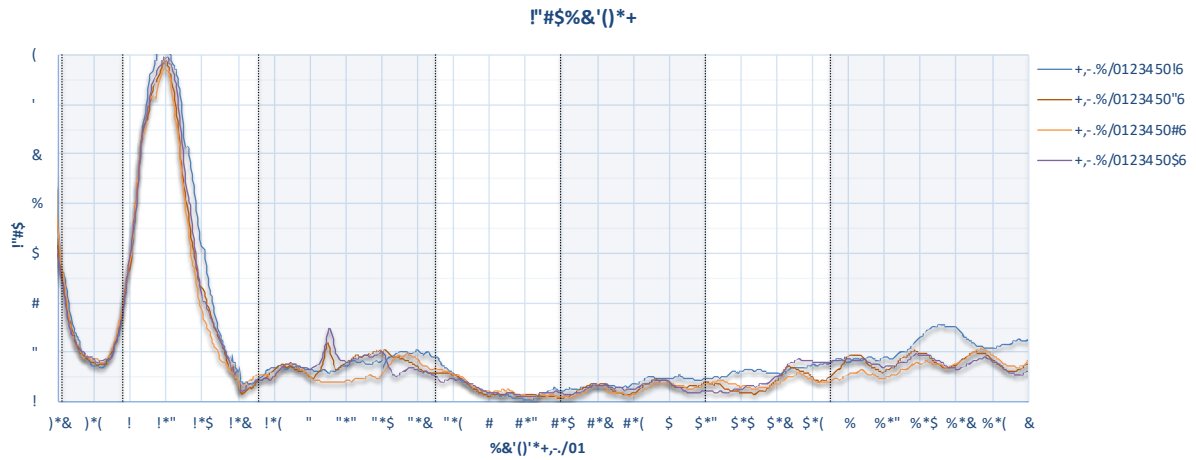
## Ordering Information

Product Code	Regions	5G Bands	LTE Bands
MAX-HD1-DOM-PRO-5GD Embedded Modem(s): 1x 5G	Primary: APAC, EMEA Compatibility: Global	<b>5G (NSA) Sub 6Ghz:</b> n1, n2, n3, n5, n7, n8, n12, n20, n28, n38, n41, n66, n71, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71
MAX-HD1-DOM-PRO-5GH Embedded Modem(s): 1x 5G	Primary: North America* Compatibility: Global  *US Carrier Certifications: AT&T, FirstNet, T-Mobile(Pending), Verizon(Pending)	<b>5G (NSA) Sub 6Ghz:</b> n1, n2, n3, n5, n28, n41, n66, n71, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B46, B48, B66, B71

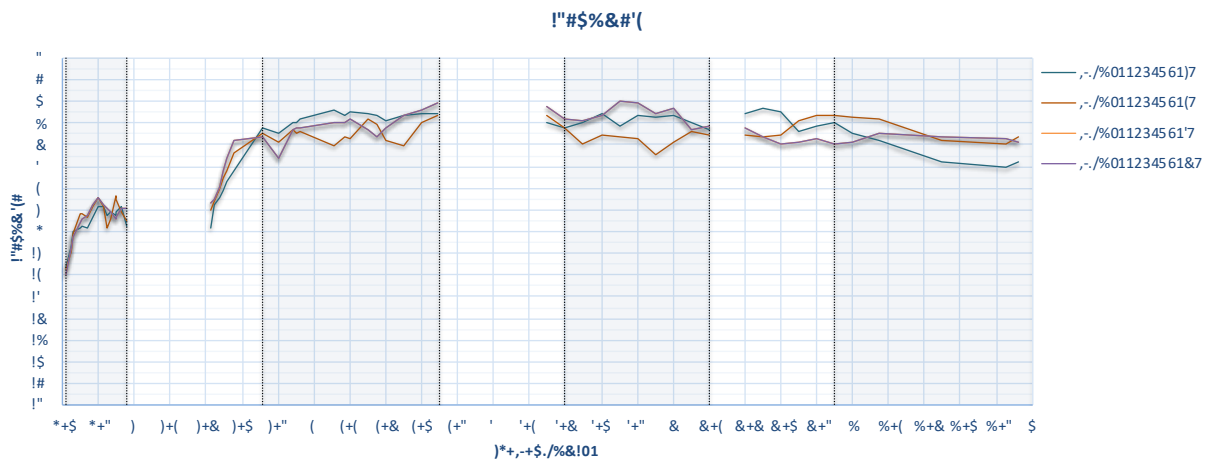
## Featured Add-on

Product Code	Description
SIM-BK8-4E-56V-DOM	MAX HD1 Dome Pro Bundle Offer - SIM Injector , 8x SIM cards capacity, 4x 10/100/1000 LAN ports, 56V DC

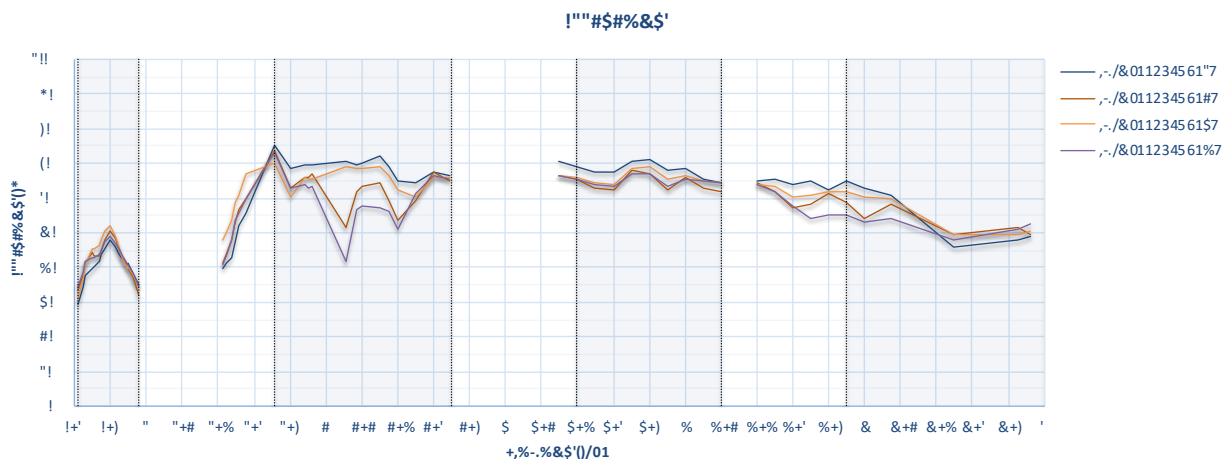
## Cellular Antenna VSWR



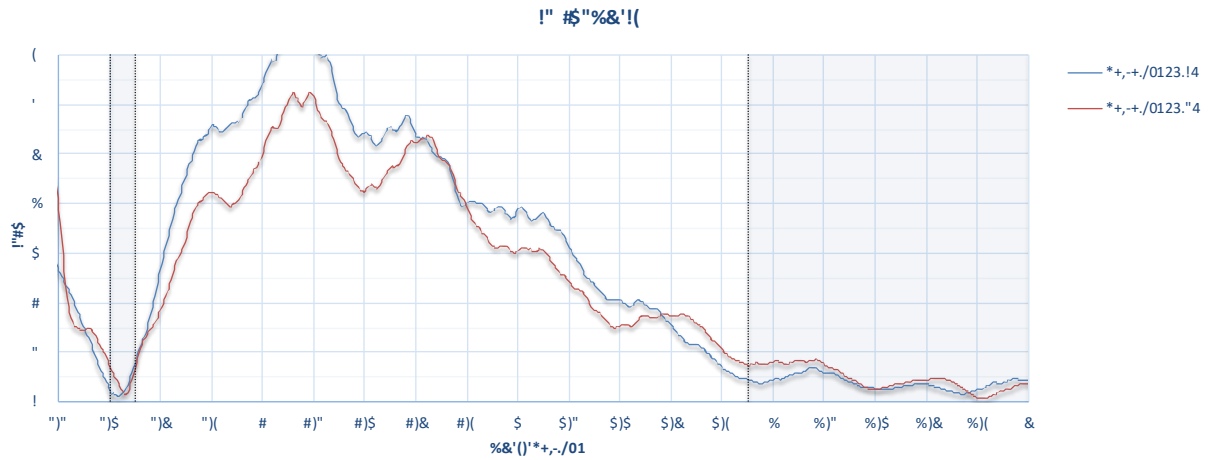
## Cellular Antenna Gain



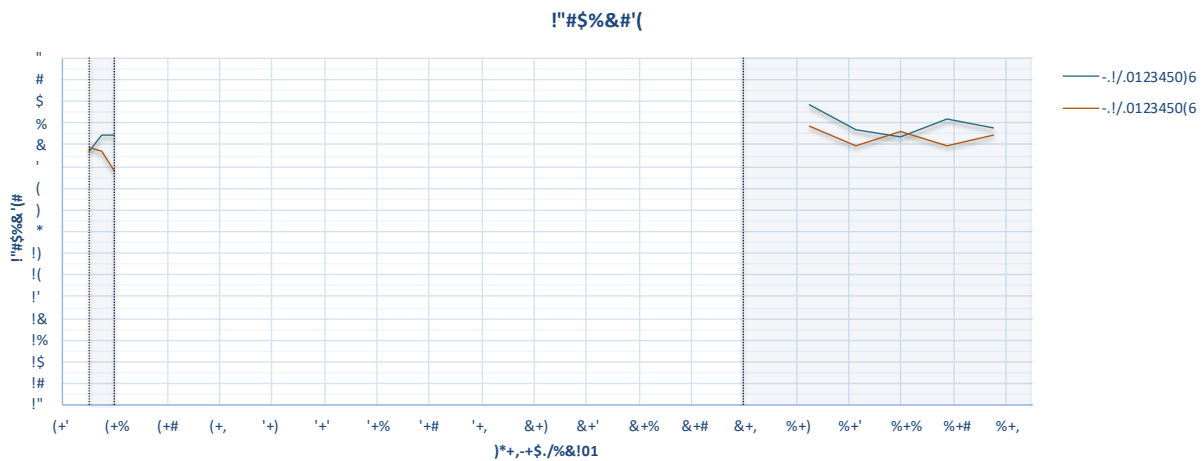
## Cellular Antenna Efficiency



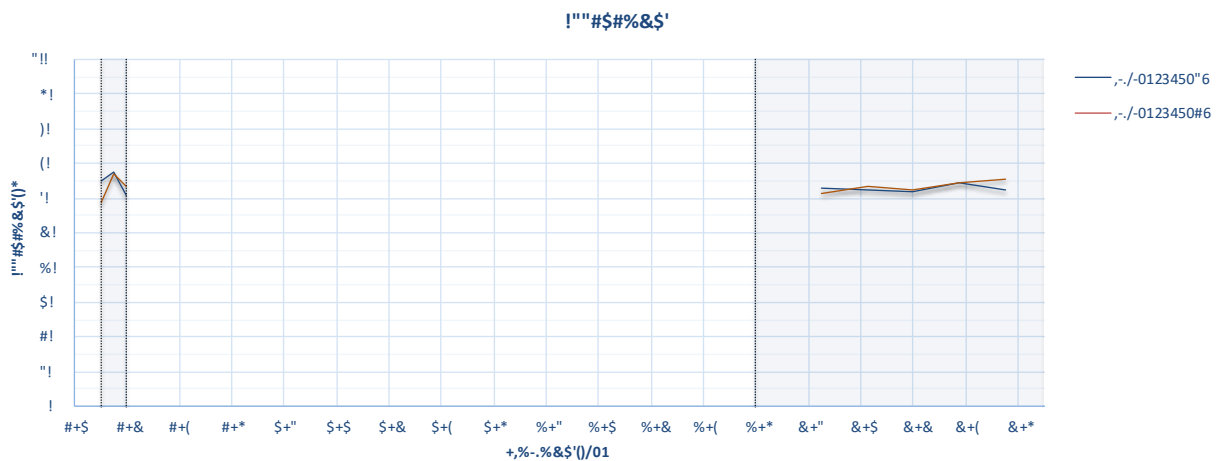
## Wi-Fi Antenna VSWR



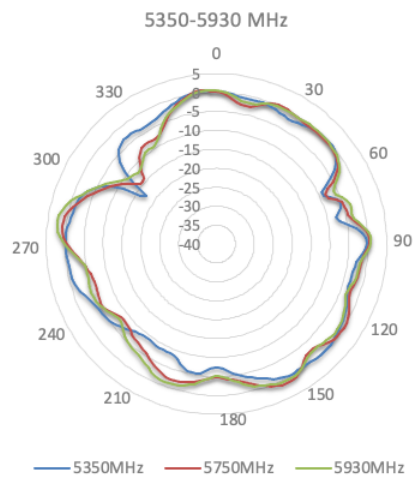
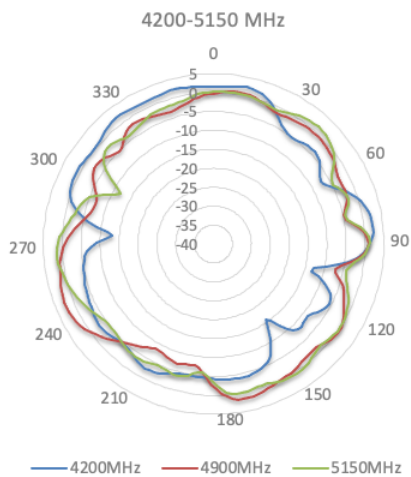
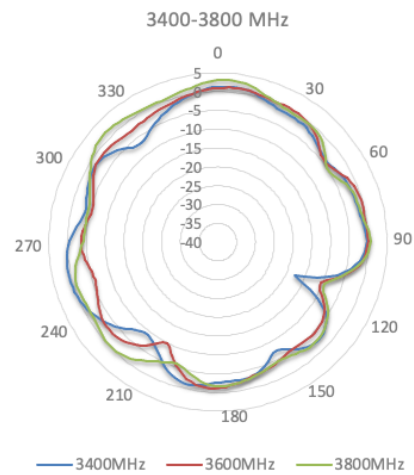
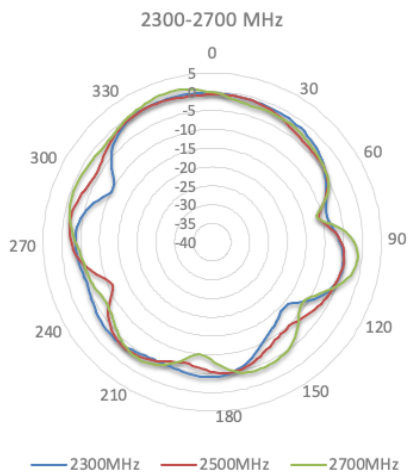
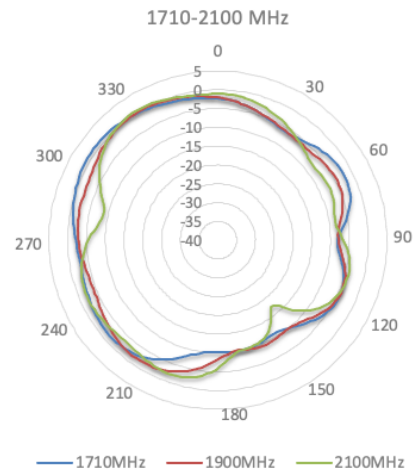
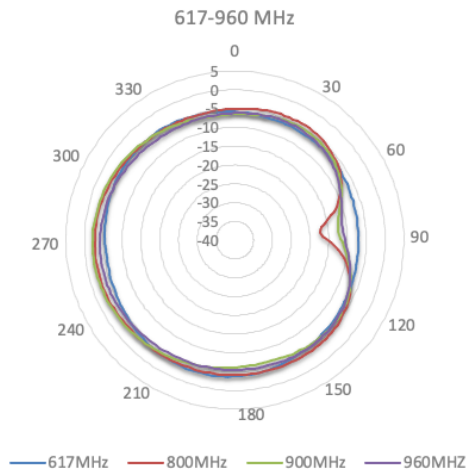
## Wi-Fi Antenna Gain



## Wi-Fi Antenna Efficiency

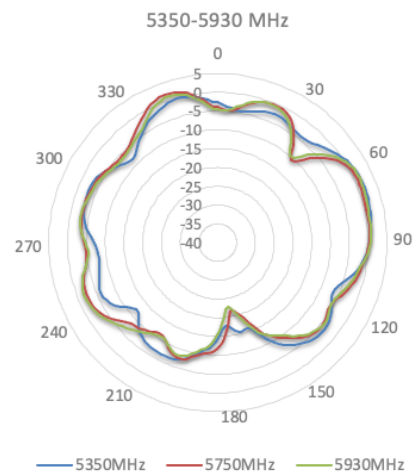
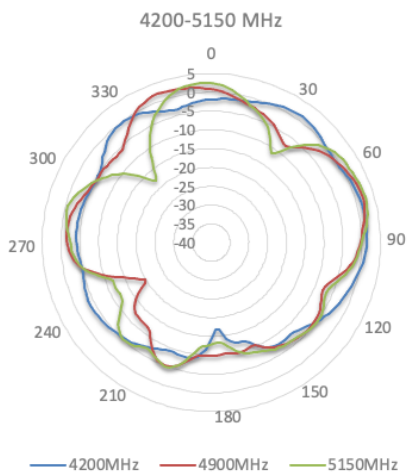
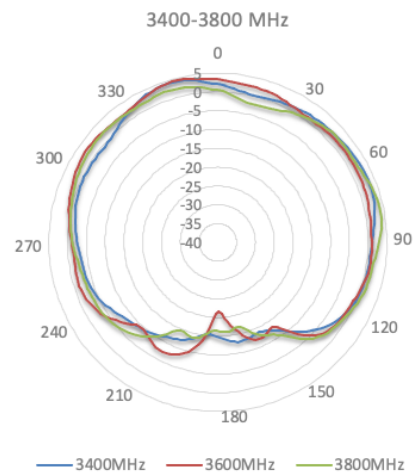
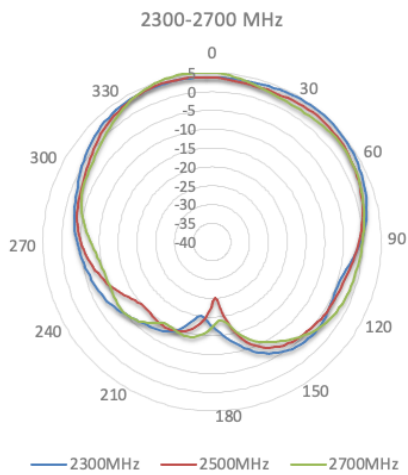
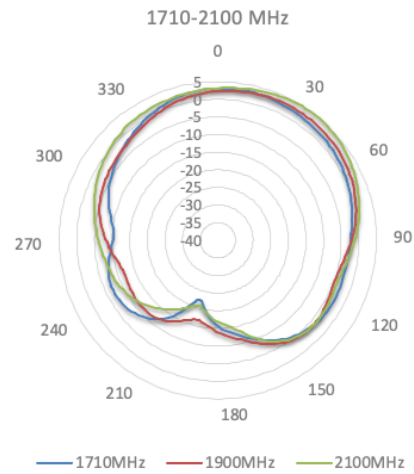
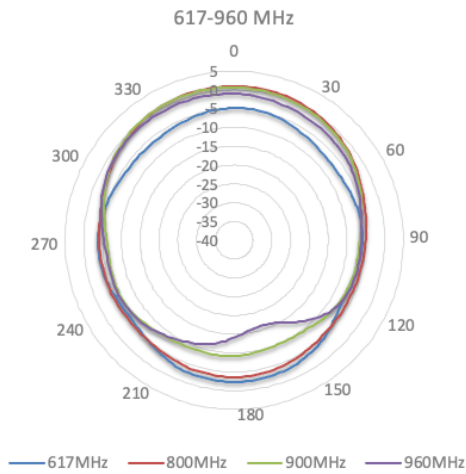


## LTE Radiation Patterns (Azimuth)

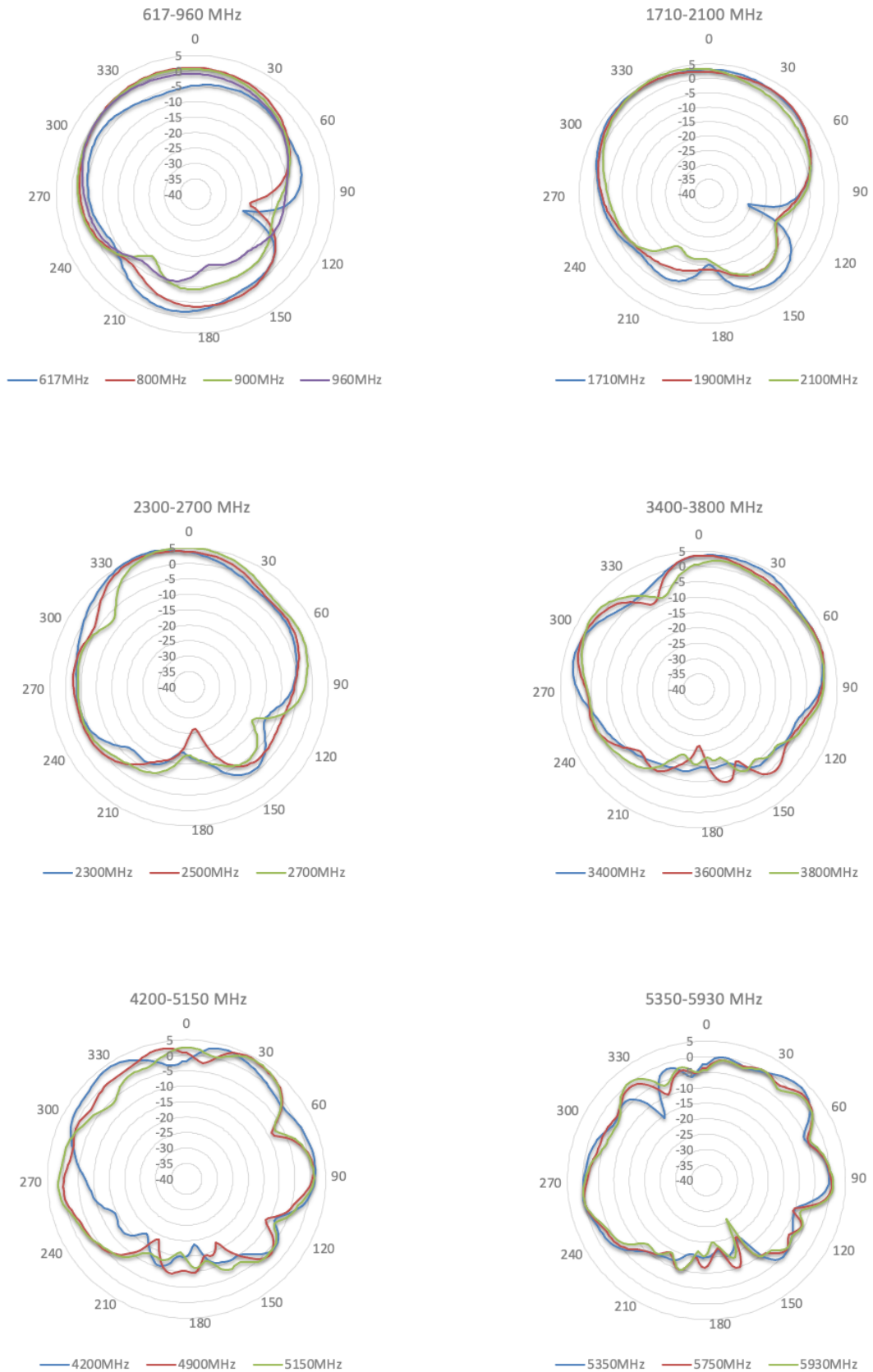




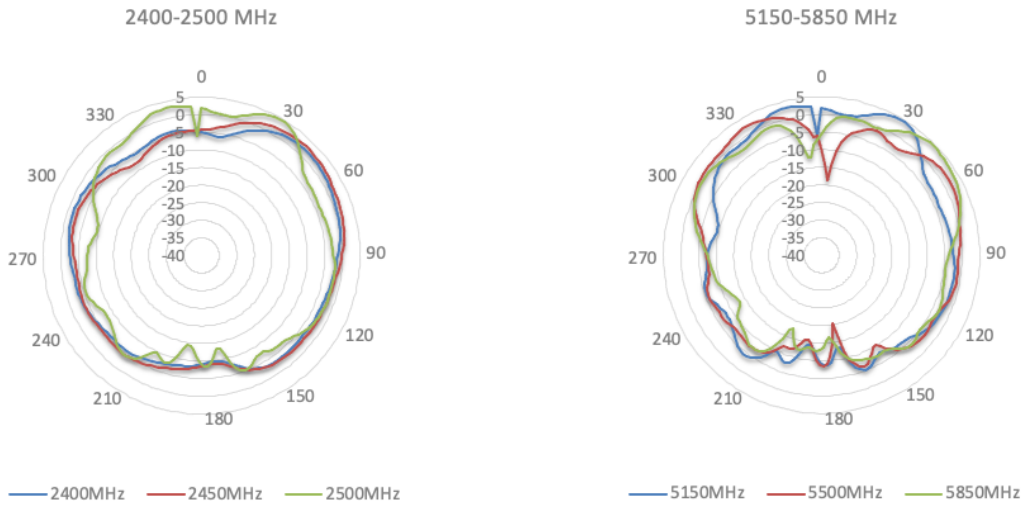
## LTE Radiation Patterns (Elevation 1)



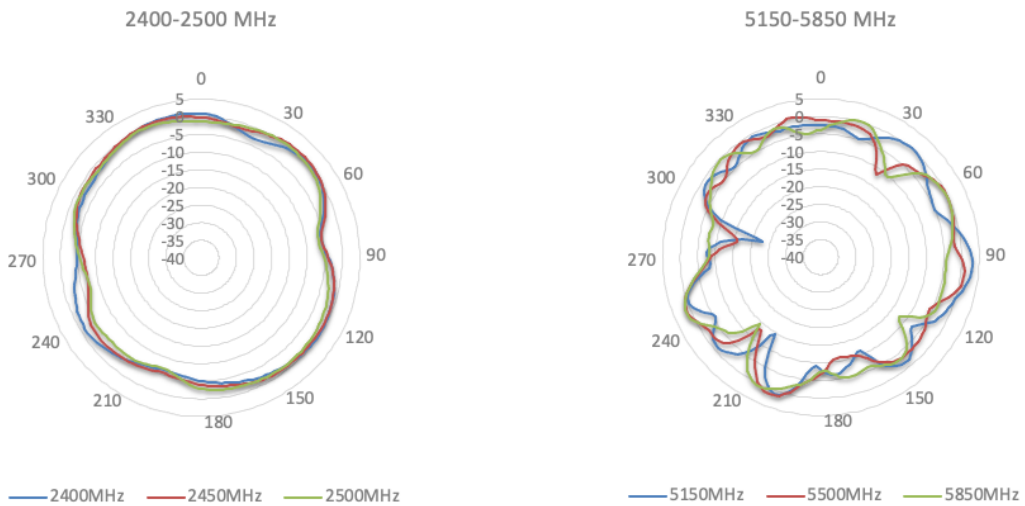
## LTE Radiation Patterns (Elevation 2)



## Wi-Fi Radiation Patterns (Azimuth)



## Wi-Fi Radiation Patterns (Elevation 1)



## Wi-Fi Radiation Patterns (Elevation 2)

