HD1 Dome PRO

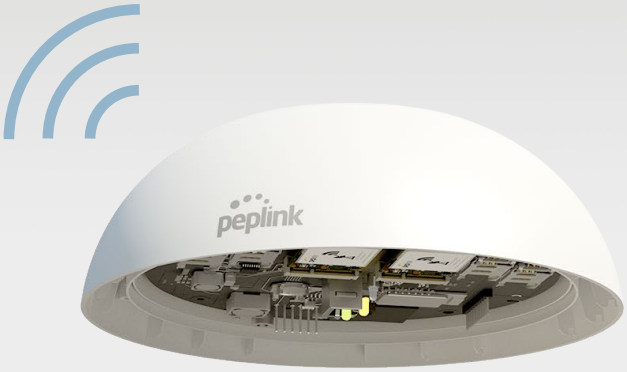
5G Cellular Router
for outdoor deployments

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.

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.



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x2 x8

Instant **flexibility** with the SIM injector.

Simply connect an Ethernet cable between the SIM injector^ 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

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

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

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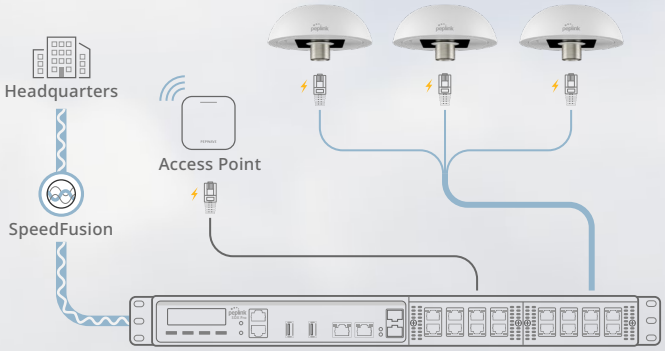
Together it works

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.

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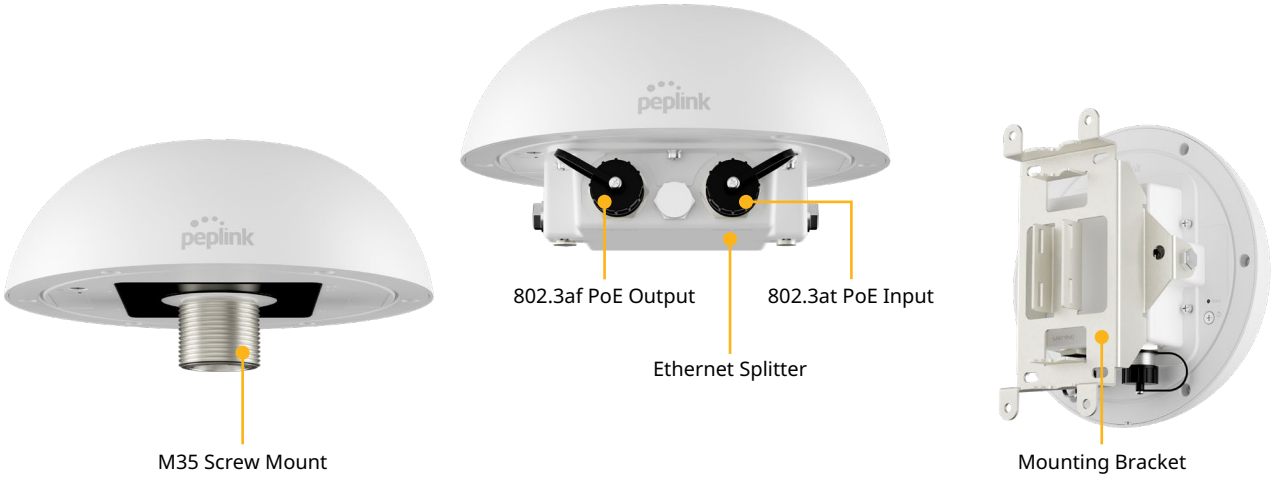
MAX HD1 Dome Pro



Specifications

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

[1] SIM Injector is available separately.
[2] 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).
[3] Ethernet port includes surge and ESD protection circuits to protect against over-voltage transients.
[4] Certification Pending.

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MAX HD1 Dome Pro

Ordering Information

Product Code	Regions	5G Bands	LTE Bands
MAX-HD1-DOM-PRO-5GD Embedded Modem(s): **1x 5G**	Global	**5G (NSA) Sub 6Ghz:** 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**	Global (North America*) *US Carrier Certifications: **AT&T, FirstNet, T-Mobile, Verizon(Pending)**	**5G (NSA) Sub 6Ghz:** n1, n2, n3, n5, n7, n8, n12, n20, n25 n28, n38, n40, 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

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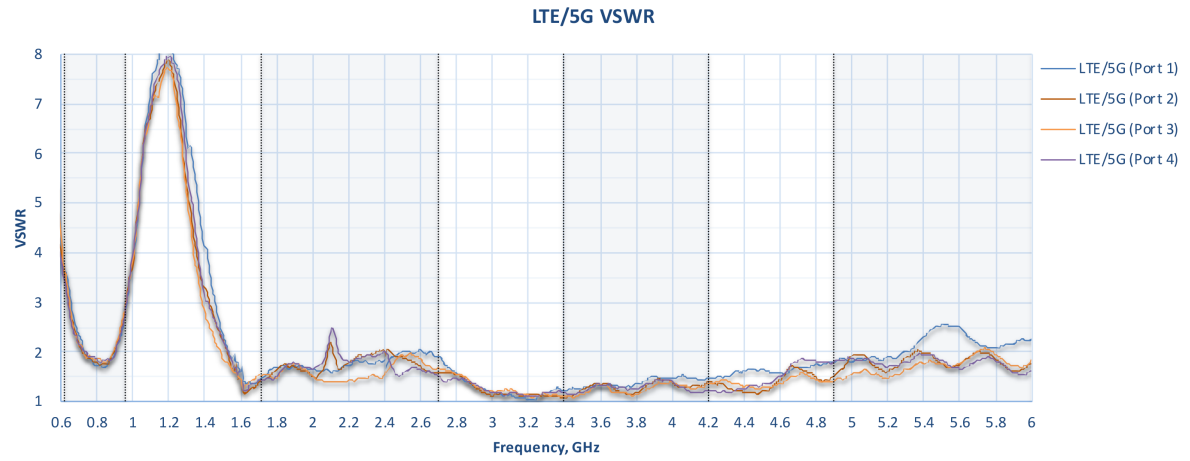
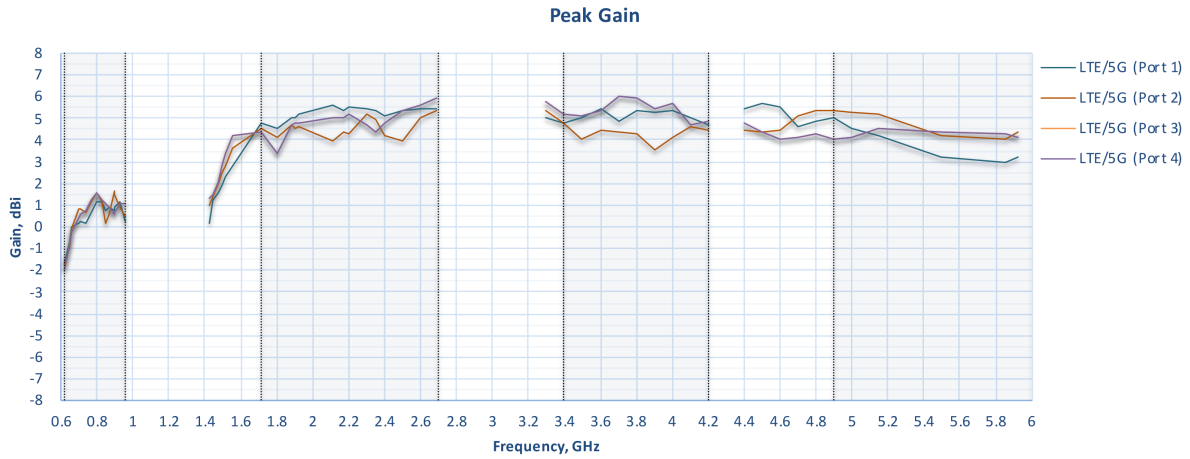
MAX HD1 Dome Pro

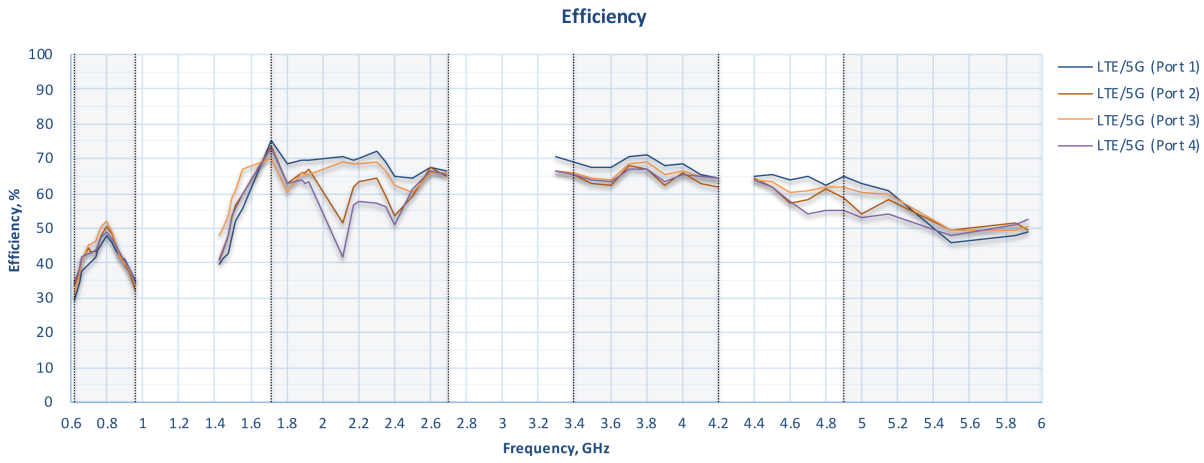
Cellular Antenna VSWR



Cellular Antenna Gain



Cellular Antenna Efficiency



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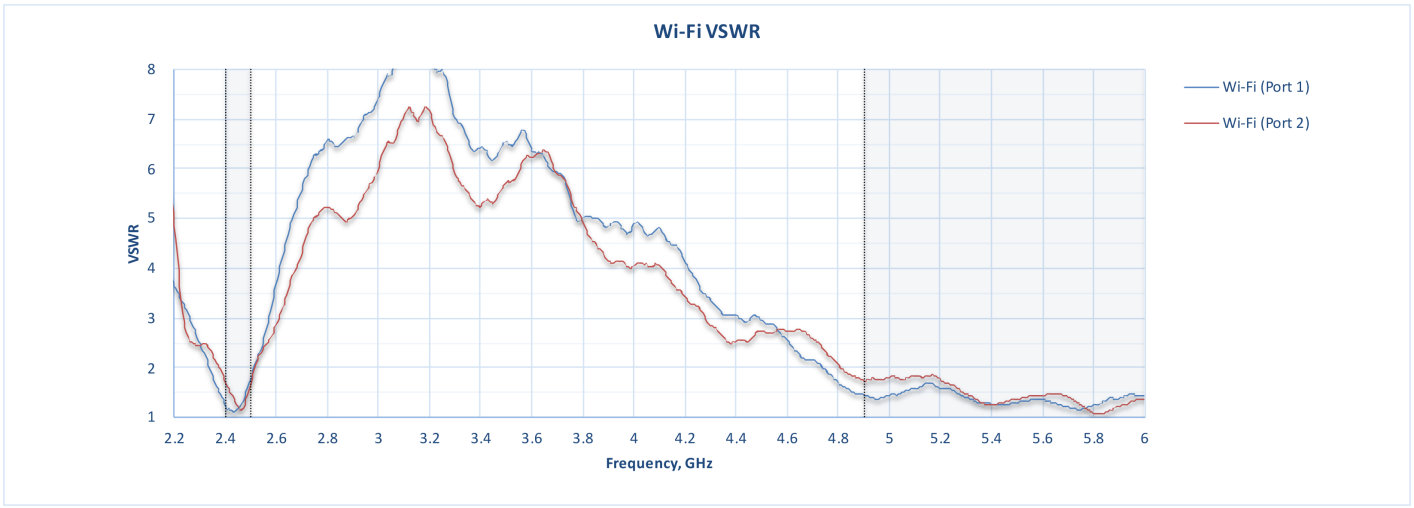
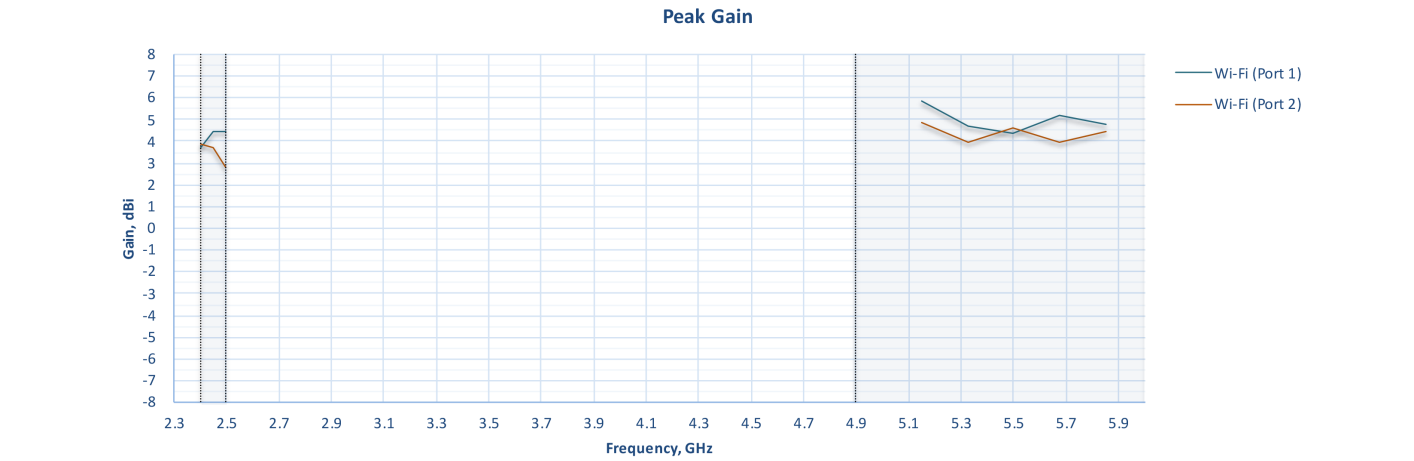
MAX HD1 Dome Pro

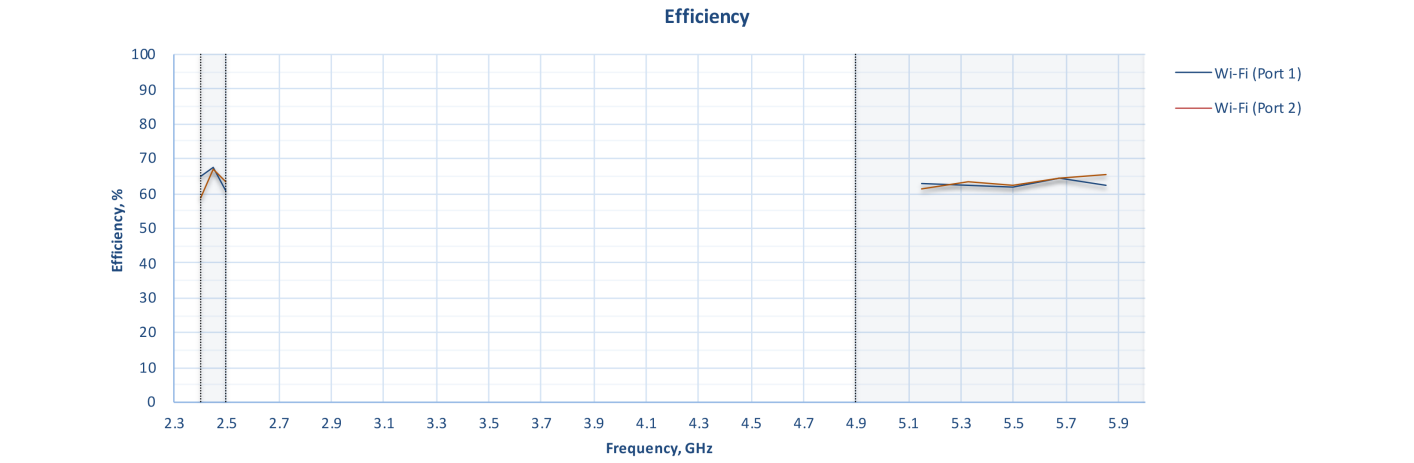
Wi-Fi Antenna VSWR



Wi-Fi Antenna Gain



Wi-Fi Antenna Efficiency



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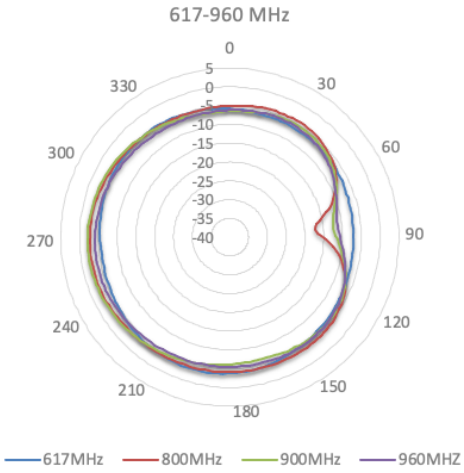
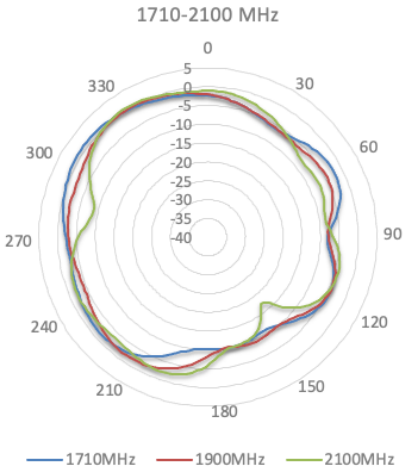
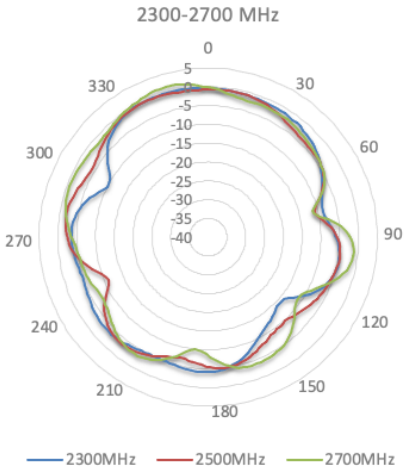
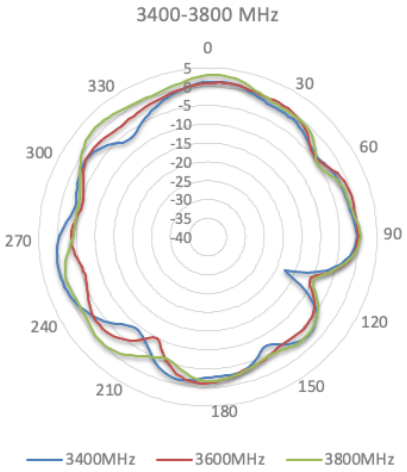
MAX HD1 Dome Pro

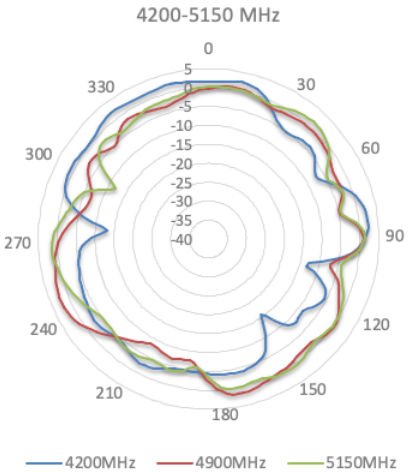
LTE Radiation Patterns (Azimuth)

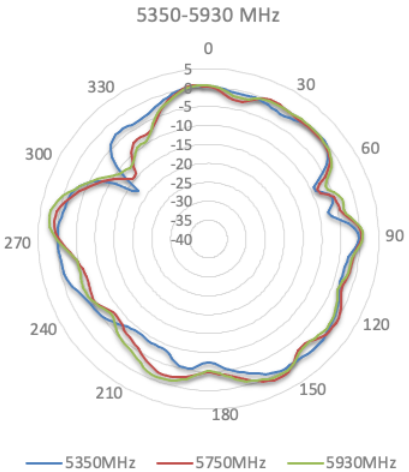












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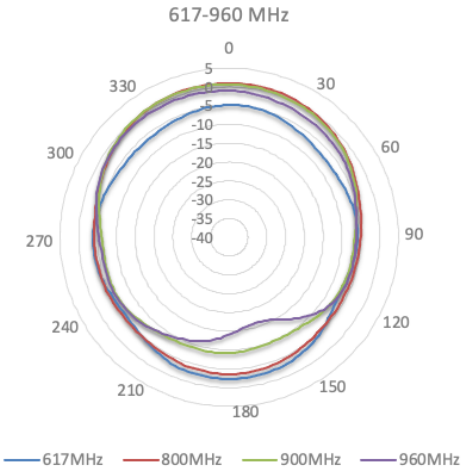
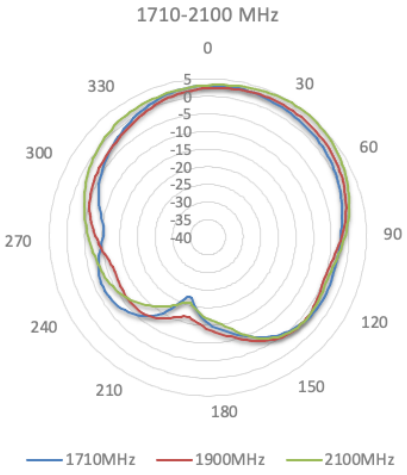
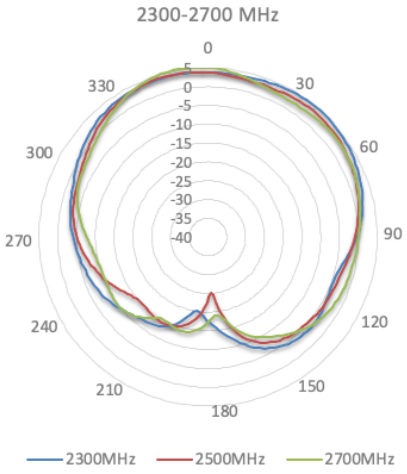
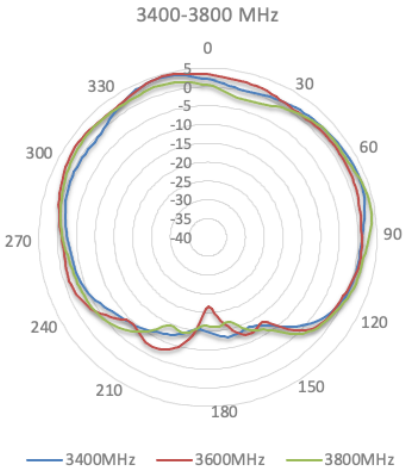
MAX HD1 Dome Pro

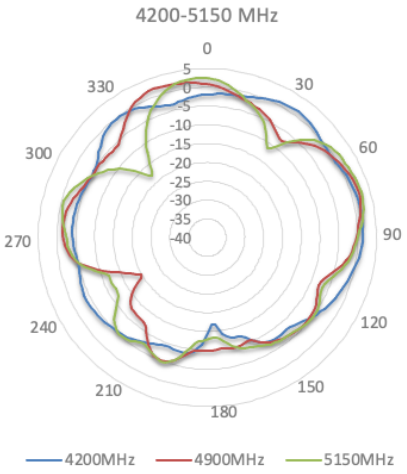
LTE Radiation Patterns (Elevation 1)

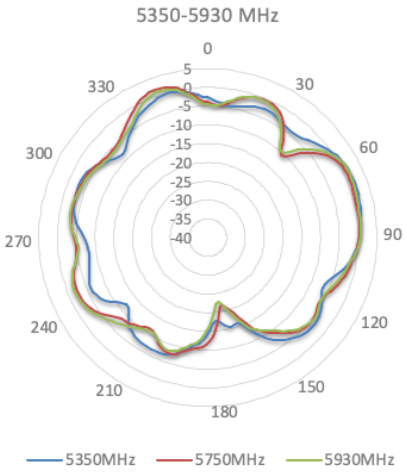












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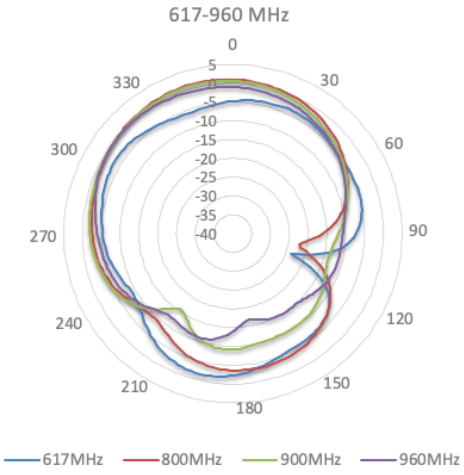
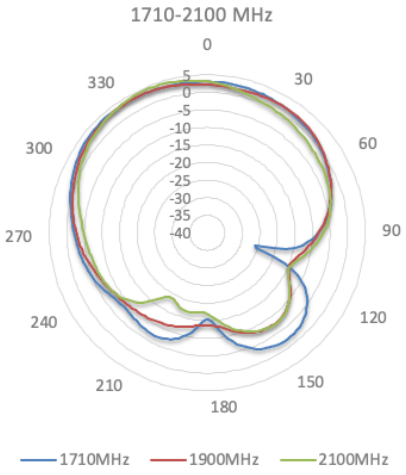
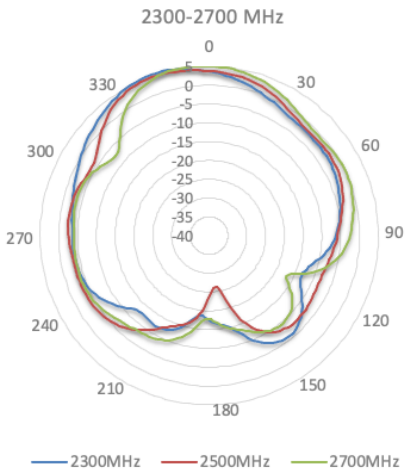
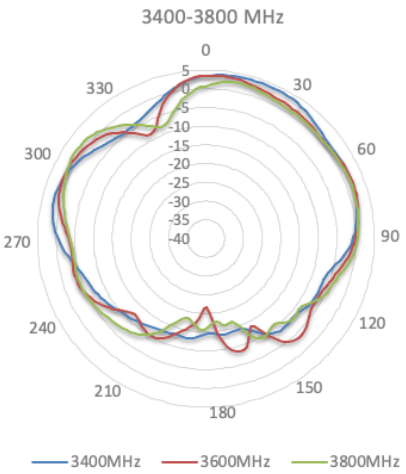
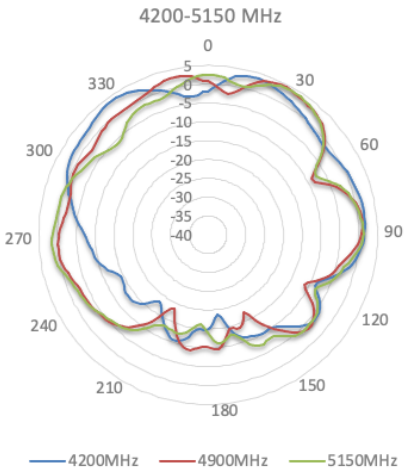
LTE Radiation Patterns (Elevation 2)

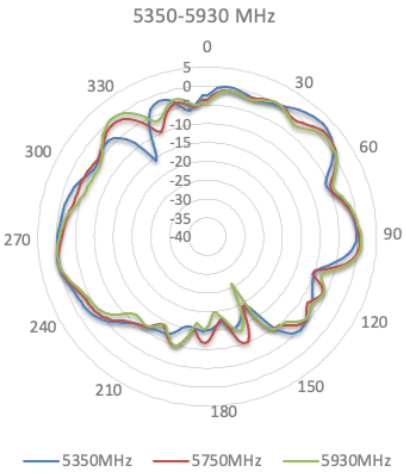












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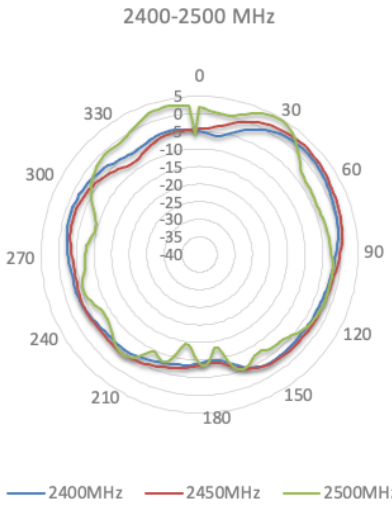
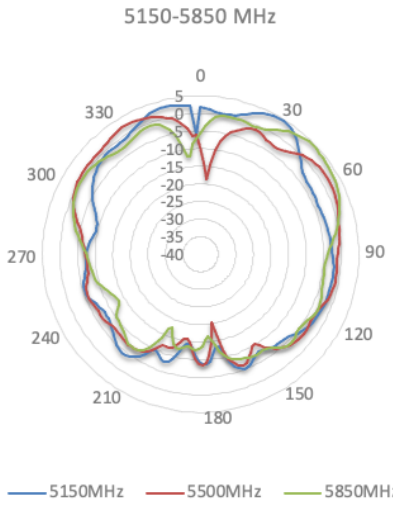
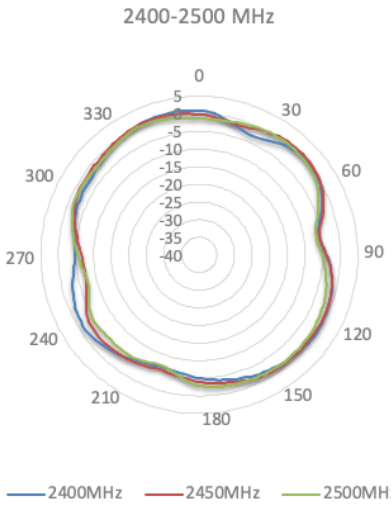
MAX HD1 Dome Pro

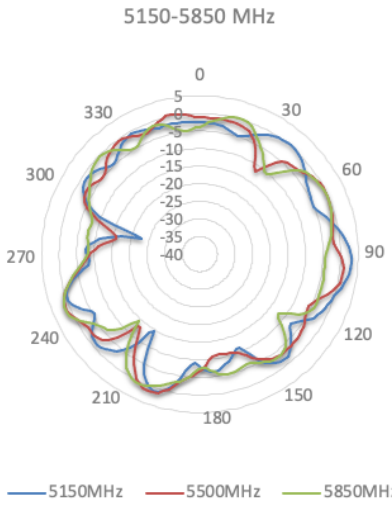
Wi-Fi Radiation Patterns (Azimuth)





Wi-Fi Radiation Patterns (Elevation 1)





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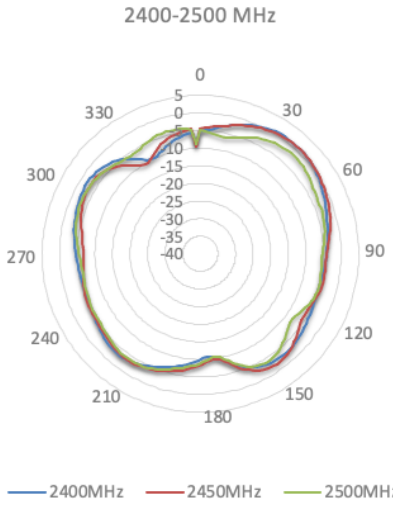

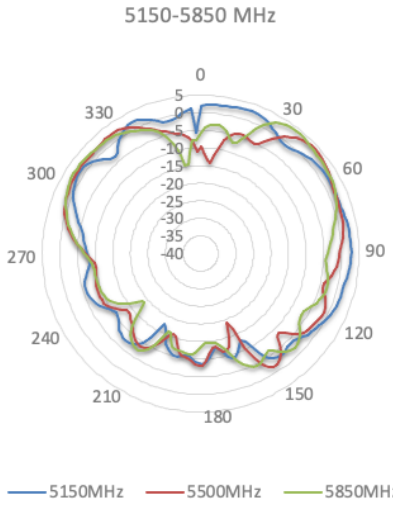

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