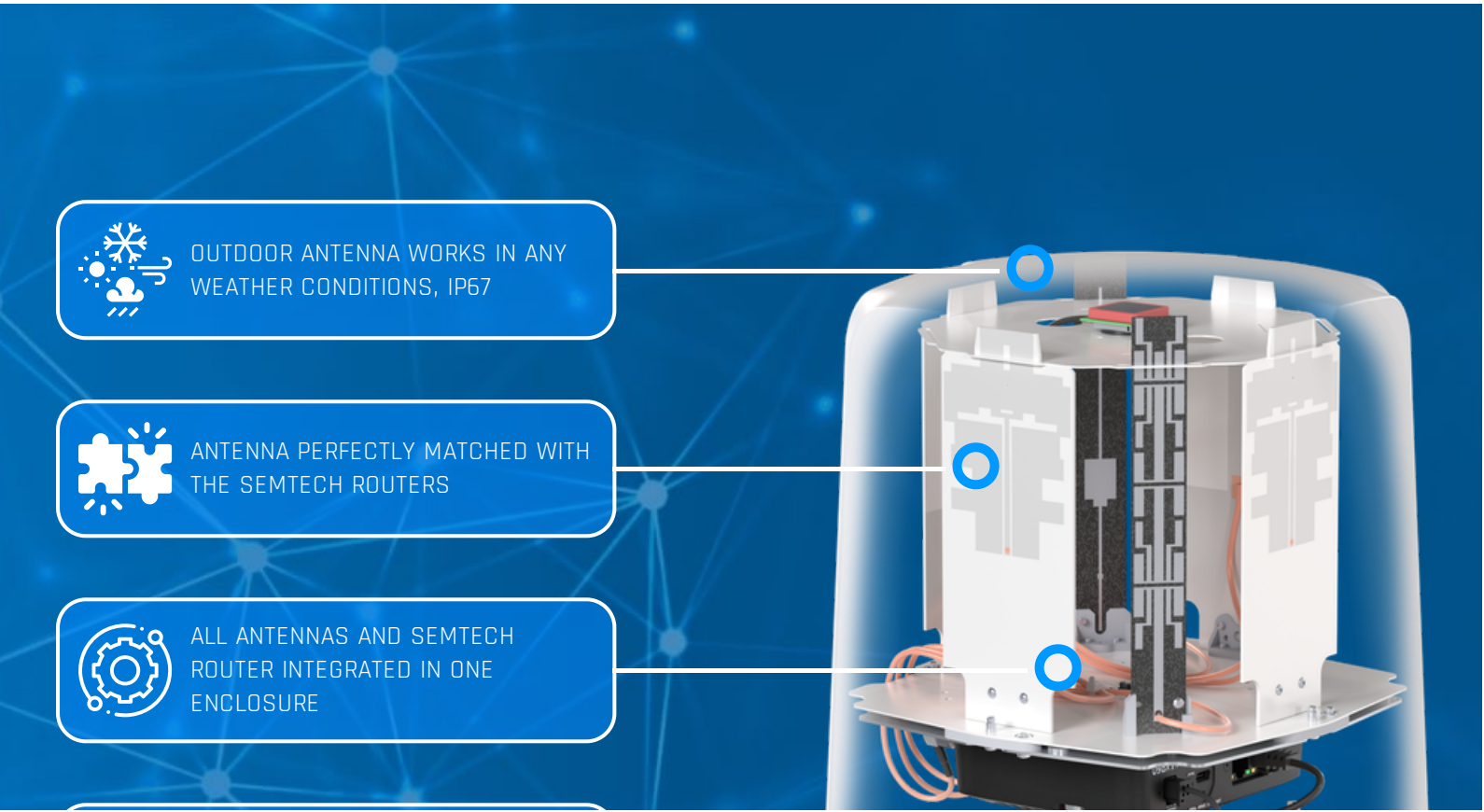
QuWave 5G High Gain 802.3at for XR60, RX400, EX400, RV55, RX55, RV50X, LX60

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + ACTIVE POE SPLITTER + PLACE TO INSTALL SEMTECH ROUTERS (ALL-IN-ONE)

QuWave is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. This product is an all in one solution that integrates a high gain omnidirectional 5G/LTE, Wi-Fi and GPS antennas with Semtech routers into a single IP67 enclosure. Such integration allows implementation of new outdoor 5G/LTE solutions.
QuWave for Semtech is an ideal solution for outdoor wireless connectivity in moving applications such as transportation, yachting, boats and camping but also city centres with high signal density.
Compatible with the following Semtech routers: XR60, RX400, EX400, RV55, RX55, RV50X, LX60
The set contains a 802.3at PoE splitter, allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection. Using QuWireless splitter provides 3KA surge and lightning protection.



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.5 - 2.0 GHz 2.0 - 3.7 GHz 3.7 - 5.0 GHz 5.0 - 6.23 GHz
MAX. GAIN	0.5 - 2.0 GHz : 3 dBi 2.0 - 3.7 GHz : 4 dBi 3.7 - 5.0 GHz : 4.6 dBi 5.0 - 6.23 GHz : 4.1 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.50, max <3.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	4x SMA
CABLE TYPE	RG316

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
MAX. GAIN	2.4 - 2.5 GHz: 6dBi 5 GHz: 7.5dBi 7 GHz: 7.5dBi
VSWR	< 1.50, max < 2.00
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	2x RPSMA
CABLE TYPE	RG316

GPS ACTIVE ANTENNA SPECIFICATION

FREQUENCY	1.56 – 1.61 GHZ
VSWR	< 2
GAIN	3 dBi
GAIN 3V	28 dBi
DC POWER INPUT	2.5 V ~ 6.5 V
POWER CONSUMPTION	2.5 - 6.5 mA
IMPEDANCE	50 Ω

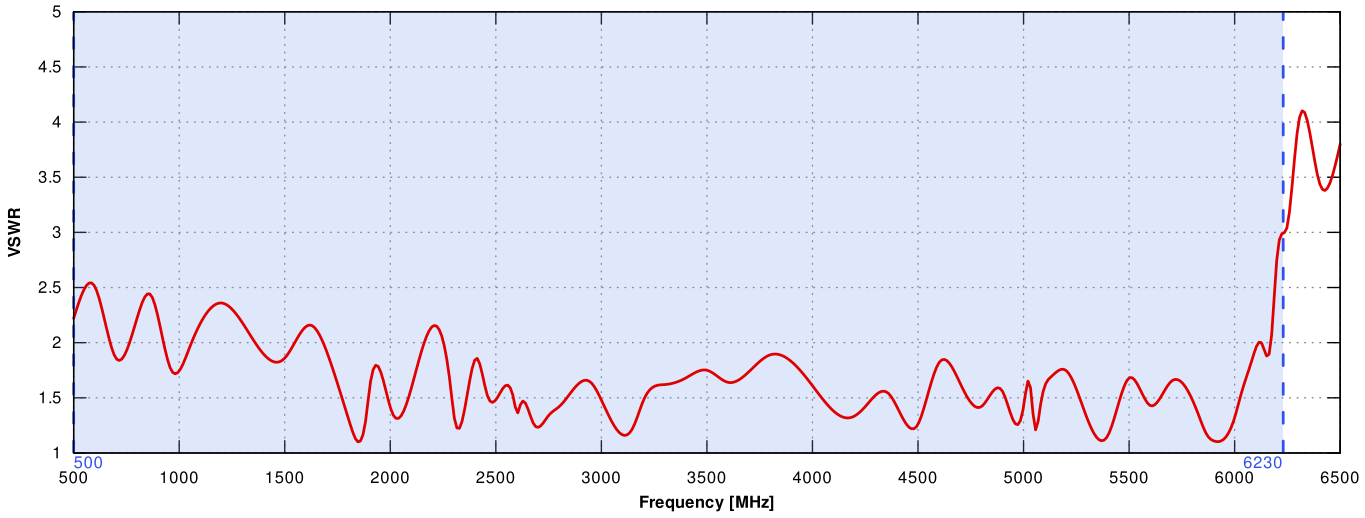
POLARIZATION	RHCP (right hand circularly polarized)
CONNECTOR	1x SMA
CABLE TYPE	RG174

MECHANICAL SPECIFICATION

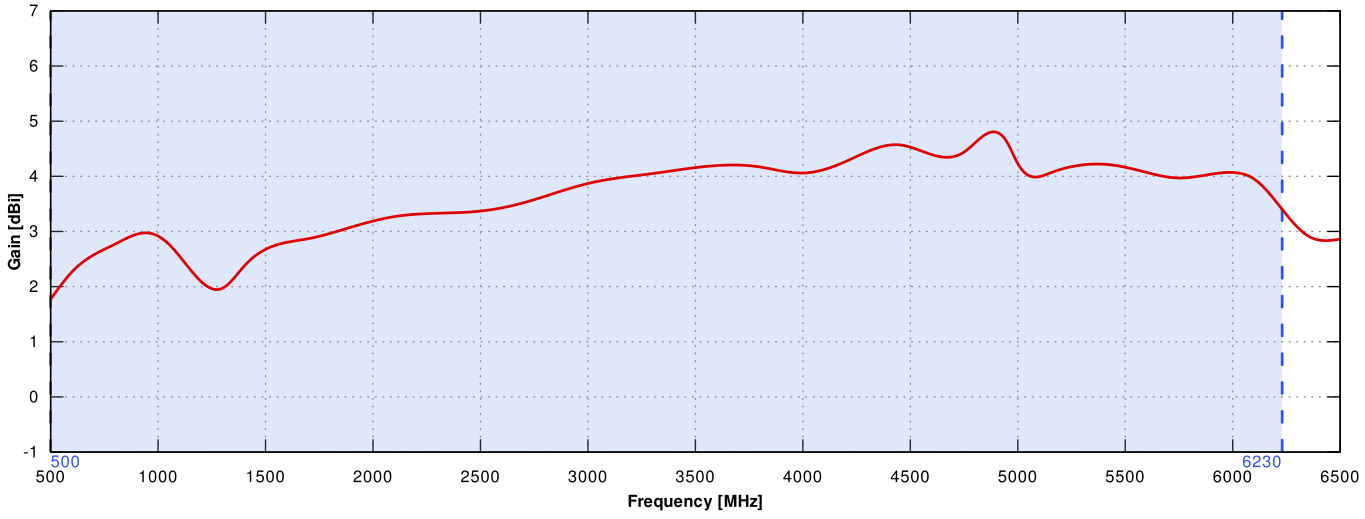
MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	1x QuRJ45
OUTER DIMENSIONS	210 x 210 x 254 mm 8.27 x 8.27 x 10 inch
INGRESS PROTECTION	IP67
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-66 mm 0.98-2.60 inch
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm

PLOTS

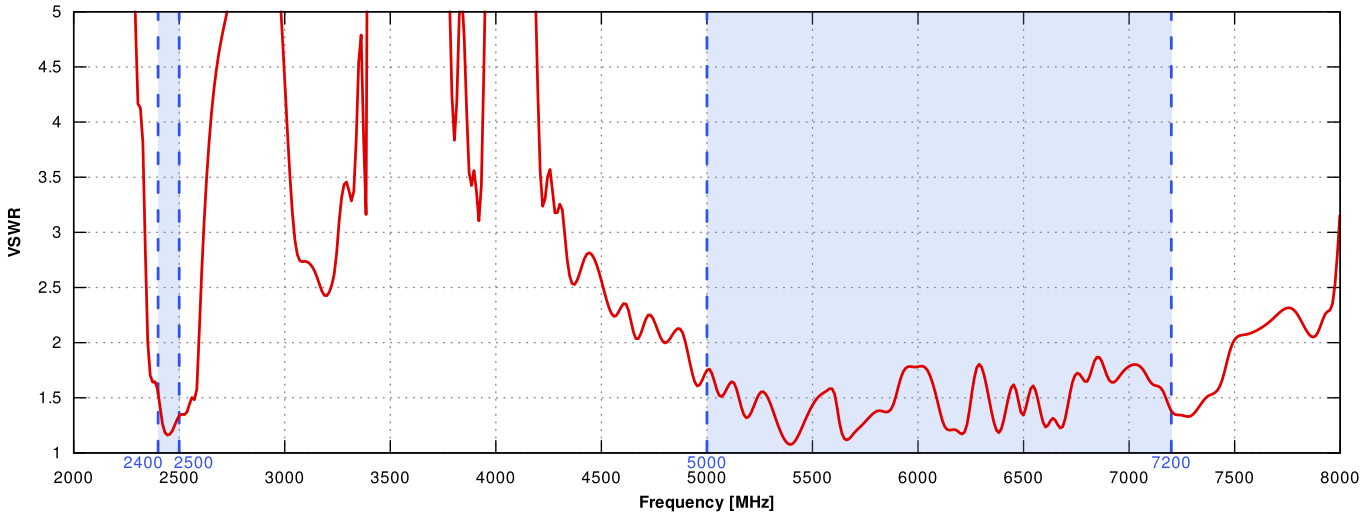
5G/LTE VSWR



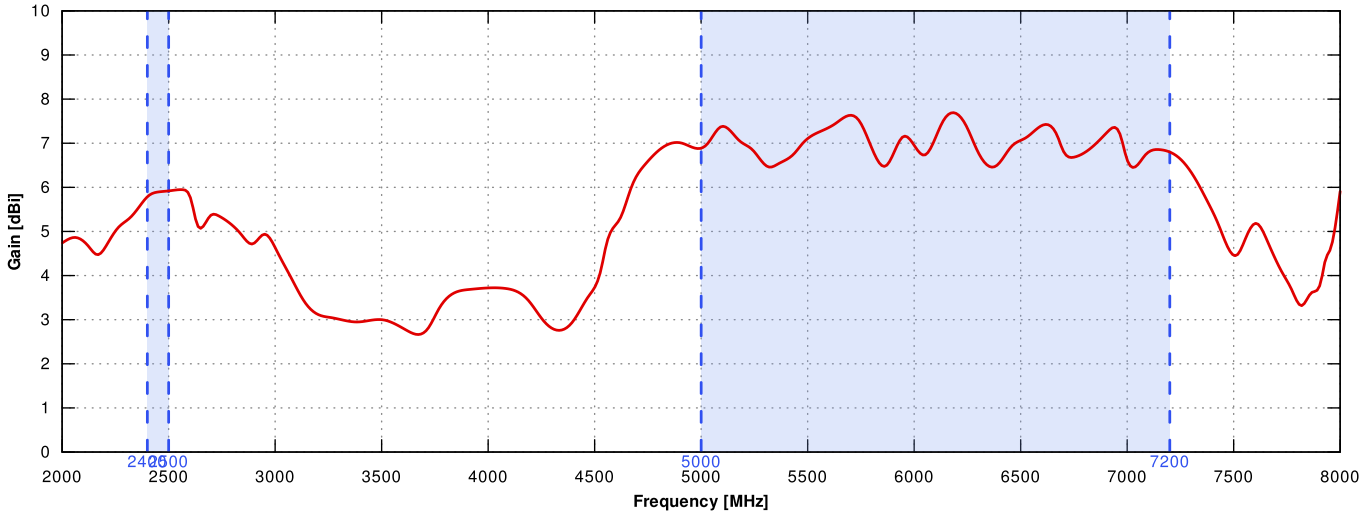
5G/LTE Gain



WI-FI VSWR

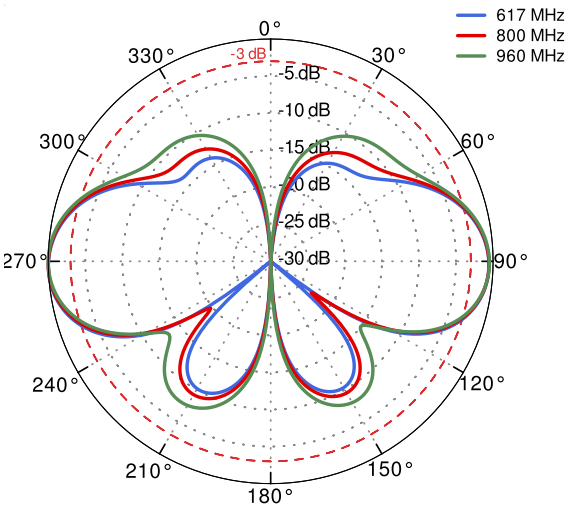


WI-FI Gain

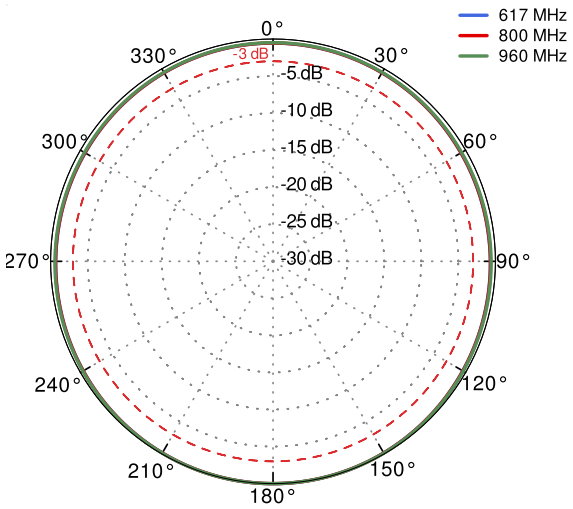


5G/LTE From 617MHz to 960MHz

ELEVATION

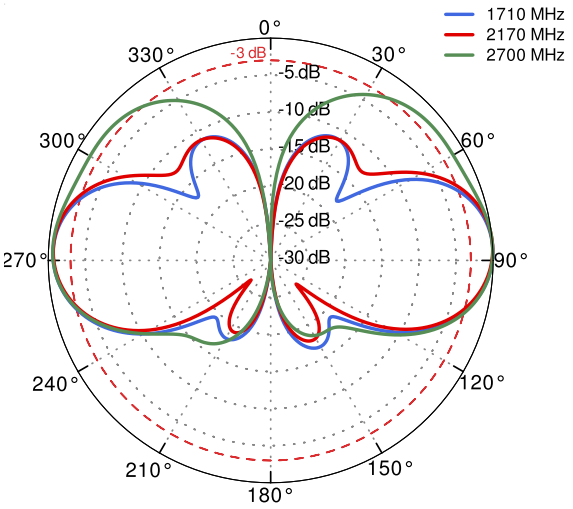


AZIMUTH



5G/LTE From 1.71GHz to 2.7GHz

ELEVATION



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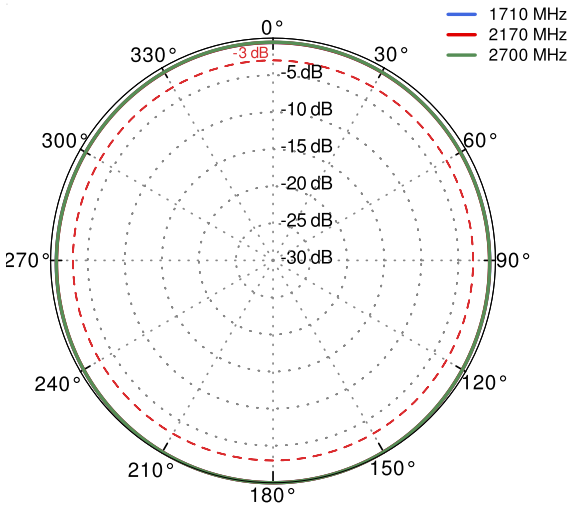
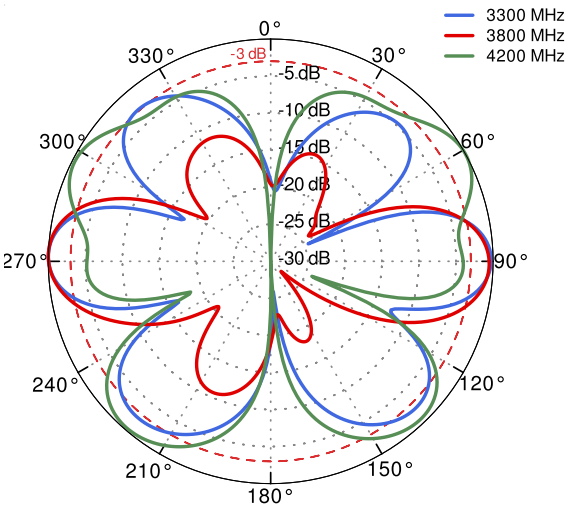


5G/LTE From 3.3GHz to 4.2GHz

ELEVATION



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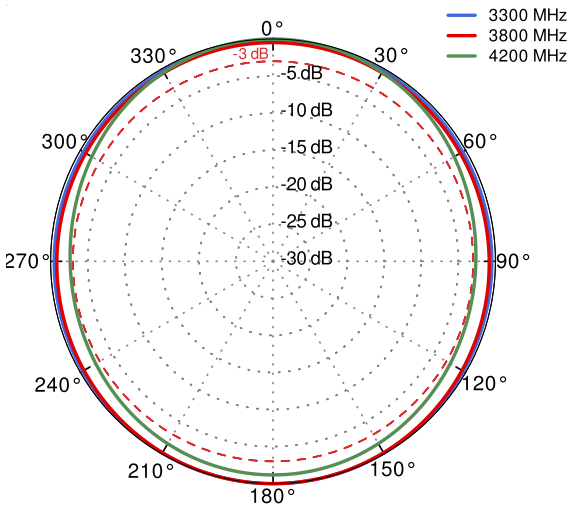
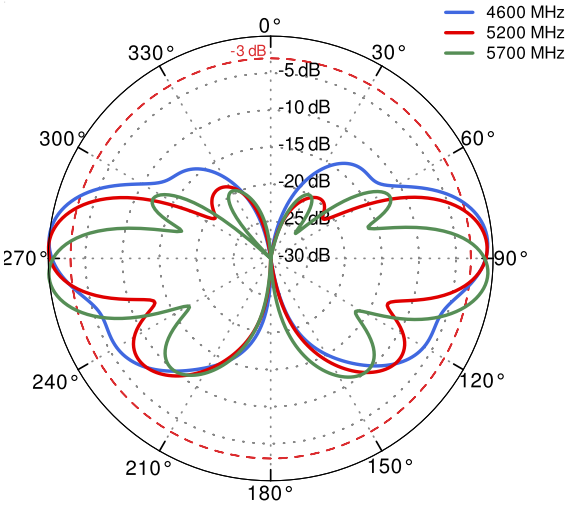


5G/LTE From 4.6GHz to 5.7GHz

ELEVATION



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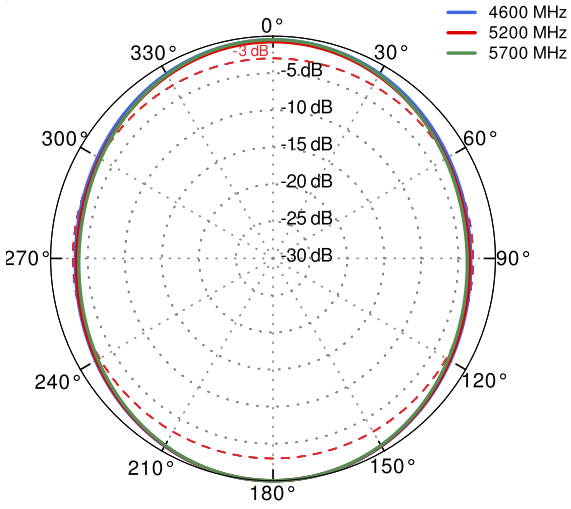
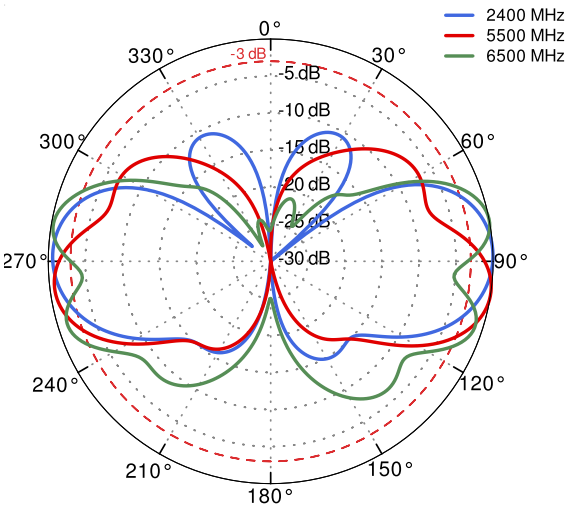


Wi-Fi From 2.4 GHz to 6.5 GHz

ELEVATION



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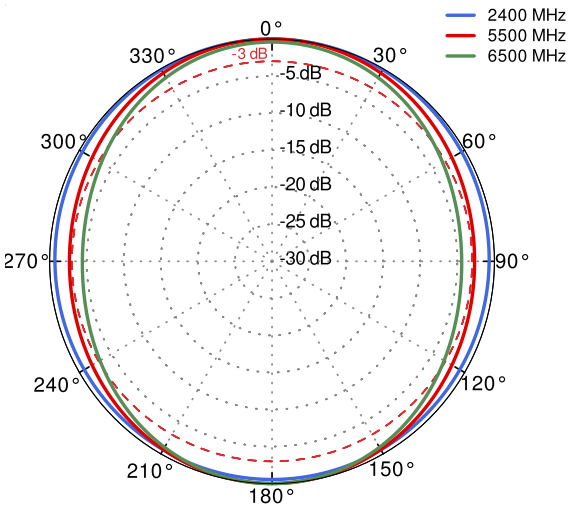
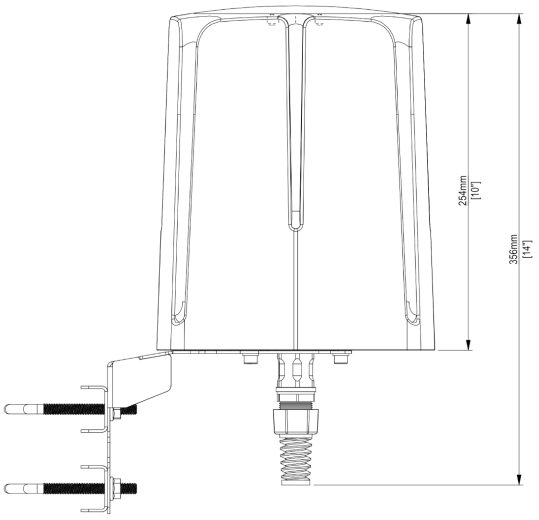
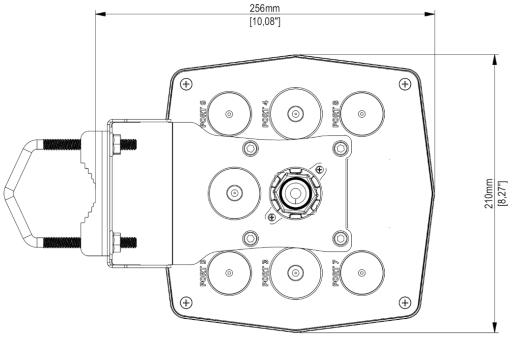


DIMENSIONS





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