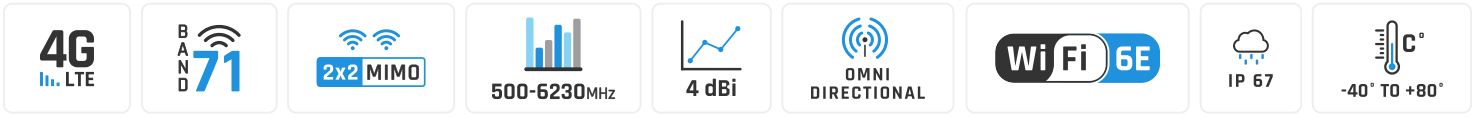
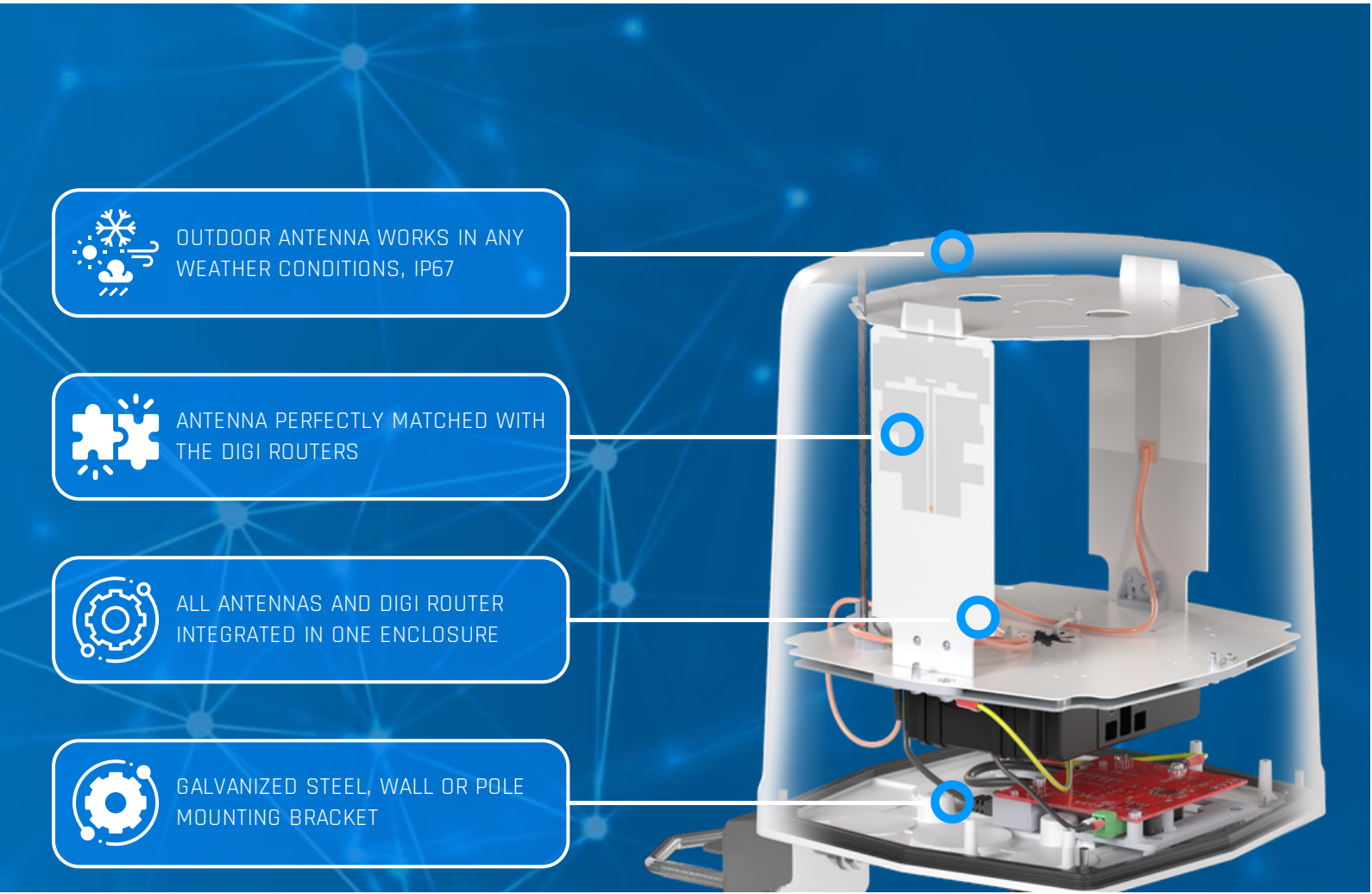
QuWave LTE High Gain 802.3at for Digi IX15, IX10

INTEGRATED MULTI-BAND LTE OMNI ANTENNA + WI-FI OMNI ANTENNA + ACTIVE POE SPLITTER + PLACE TO INSTALL DIGI 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 LTE, Wi-Fi and GPS antennas with DIGI routers into a single IP67 enclosure. Such integration allows implementation of new outdoor LTE solutions. QuWave for DIGI 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 DIGI routers: IX15, IX10
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.





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	2x SMA
CABLE TYPE	RG316

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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

MECHANICAL SPECIFICATION

MATERIALS	ASA, 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

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ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0.5 - 0.7 Nm

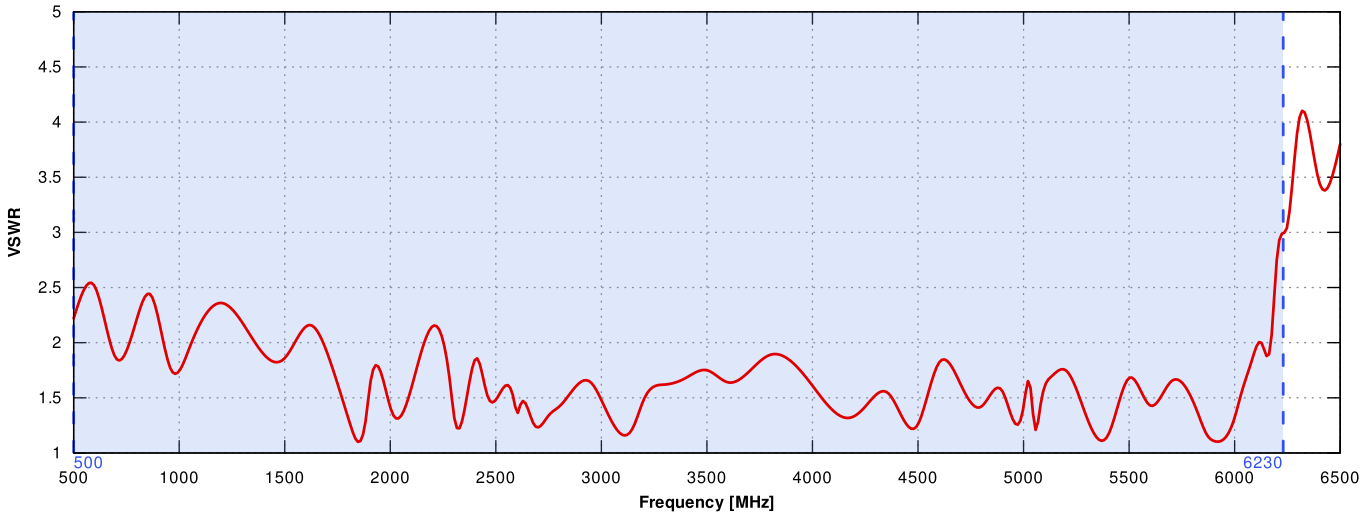
FREQUENCY BANDS

LTE / 4G	617 MHz	1, 2, 3, 4, 5, 7, 8 9, 10, 12, 13, 14, 17, 18 19, 20, 22, 25, 26, 27, 28 29, 30, 33, 34, 35, 36, 37 38, 39, 40, 41, 42, 43, 44 47, 48, 49, 52, 53, 65, 66 67, 68, 69, 71, 85, 103, 106
	6000 MHz	
5G	617 MHz	n1, n2, n3, n5, n7, n8, n12 n13, n14, n18, n20, n25, n26, n28 n29, n30, n34, n38, n39, n40, n41 n47, n48, n53, n65, n66, n67, n71 n77, n78, n80, n81, n82, n83, n84 n85, n86, n89, n90, n95, n97, n98 n100, n101, n256
	6000 MHz	

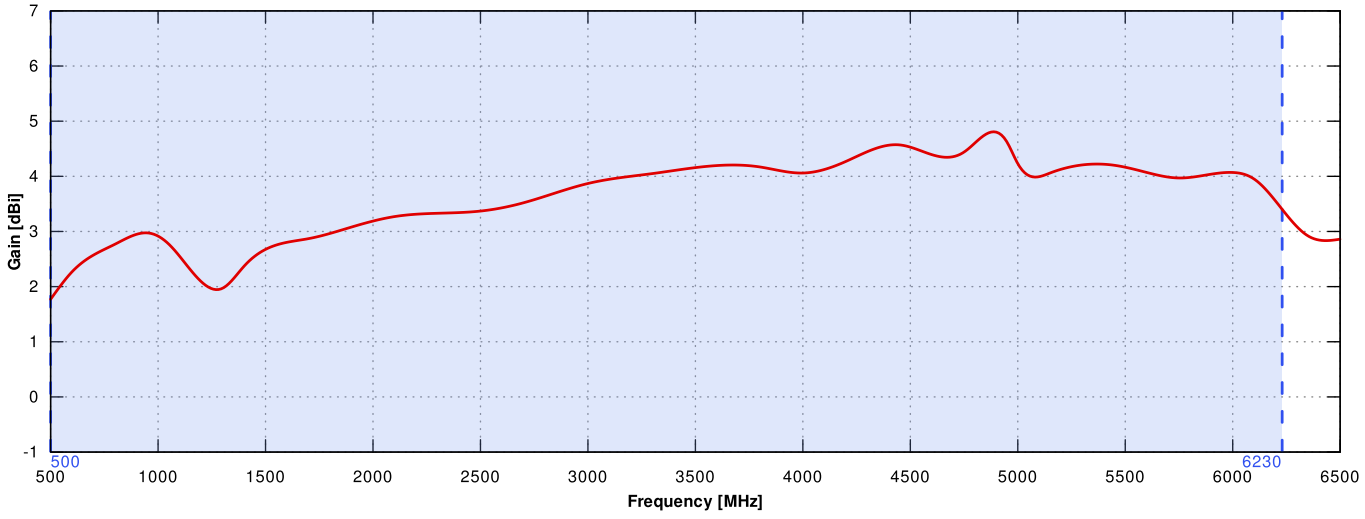
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PLOTS

5G/LTE VSWR

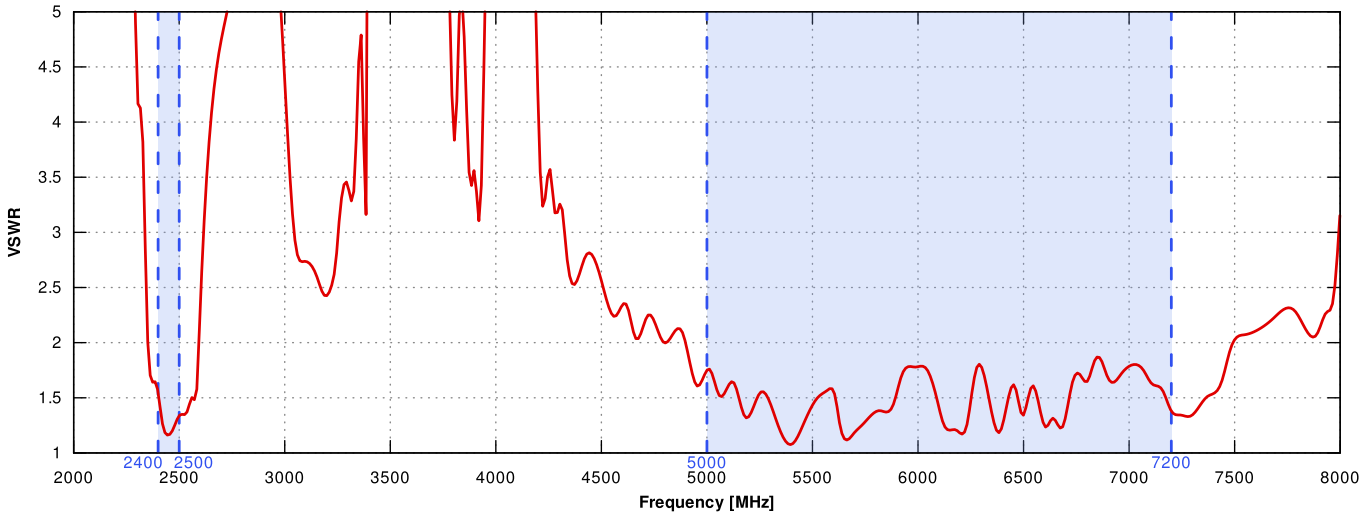


5G/LTE Gain

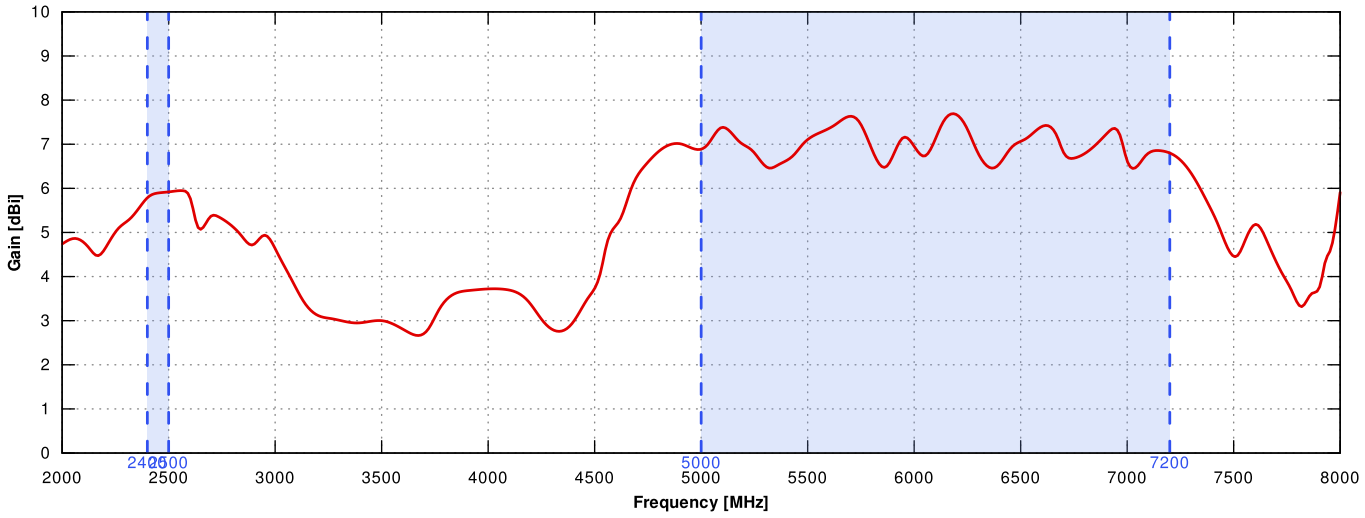


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WI-FI VSWR



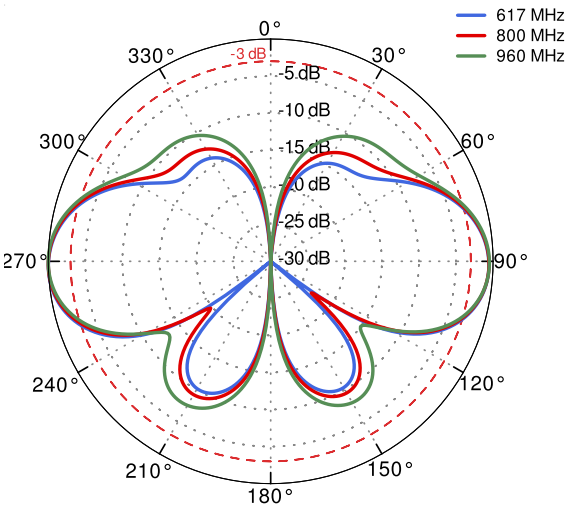
WI-FI Gain



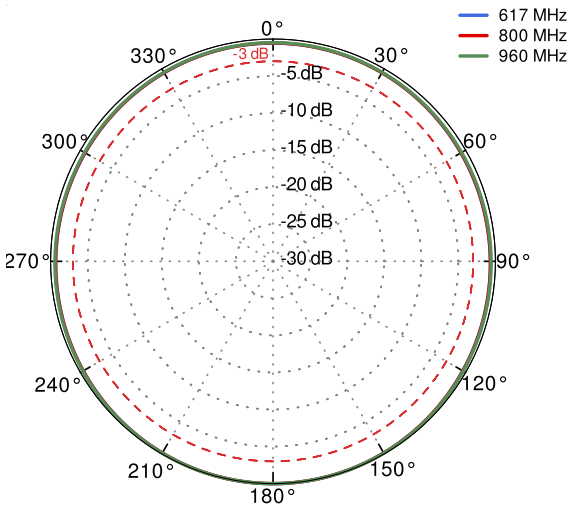
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5G/LTE From 617MHz to 960MHz

ELEVATION

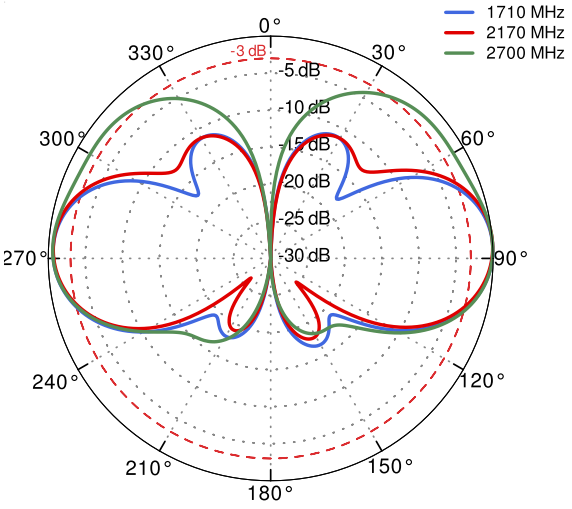


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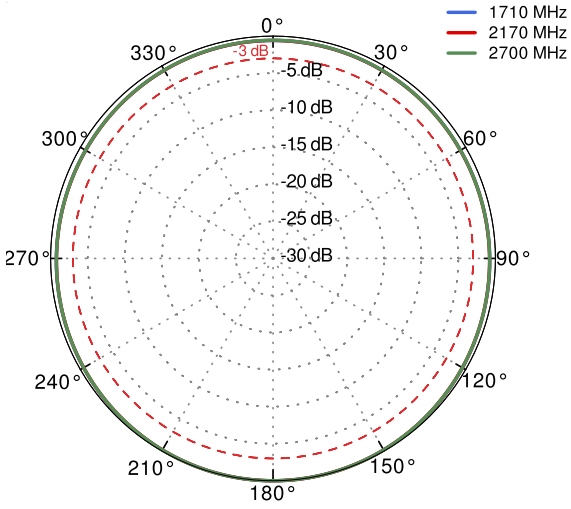


5G/LTE From 1.71GHz to 2.7GHz

ELEVATION



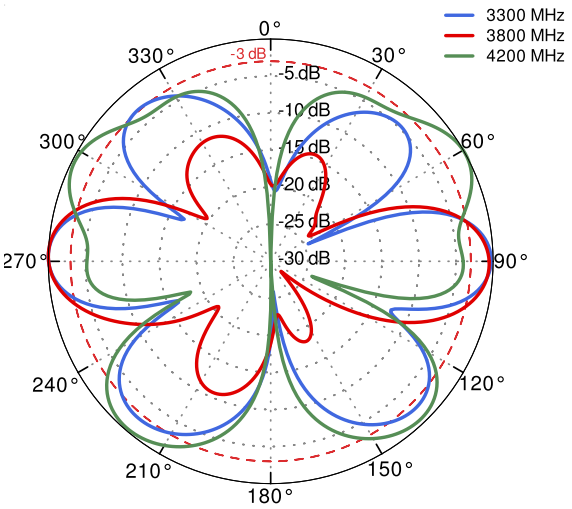
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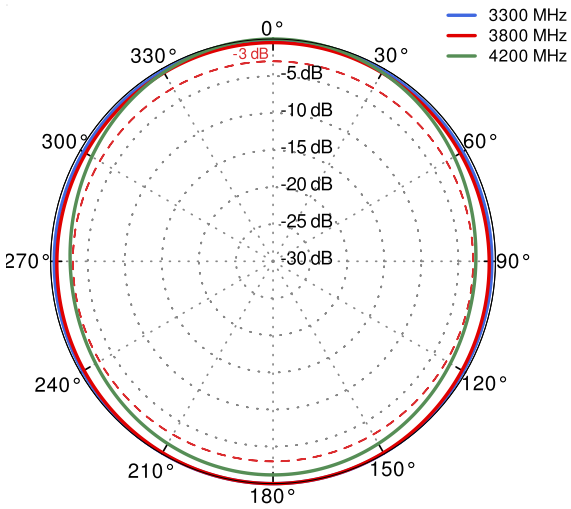
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5G/LTE From 3.3GHz to 4.2GHz

ELEVATION

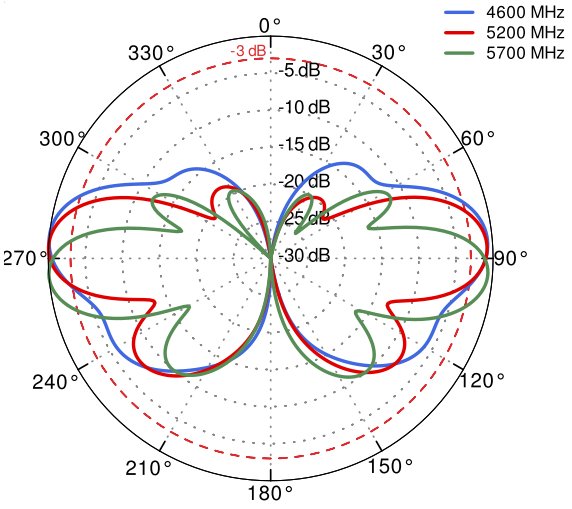


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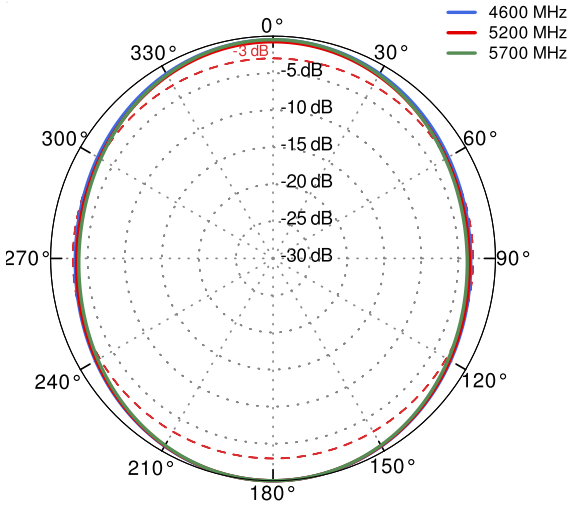


5G/LTE From 4.6GHz to 5.7GHz

ELEVATION



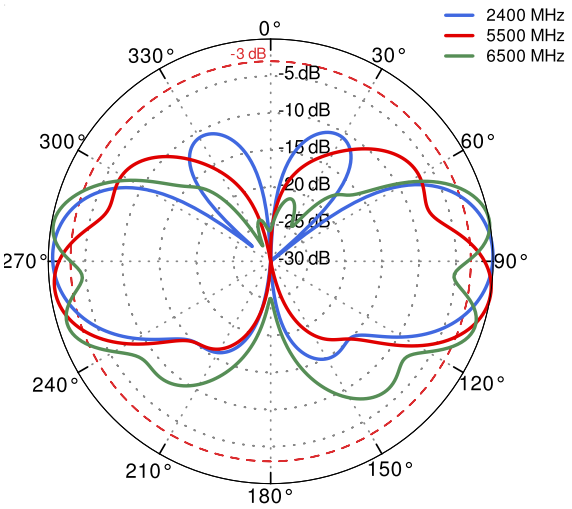
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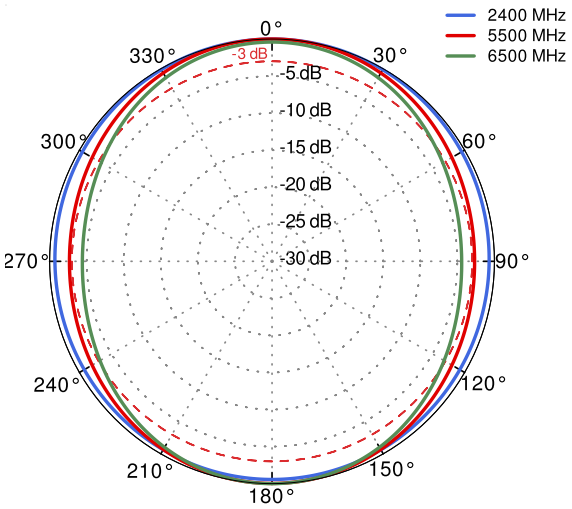
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Wi-Fi From 2.4 GHz to 6.5 GHz

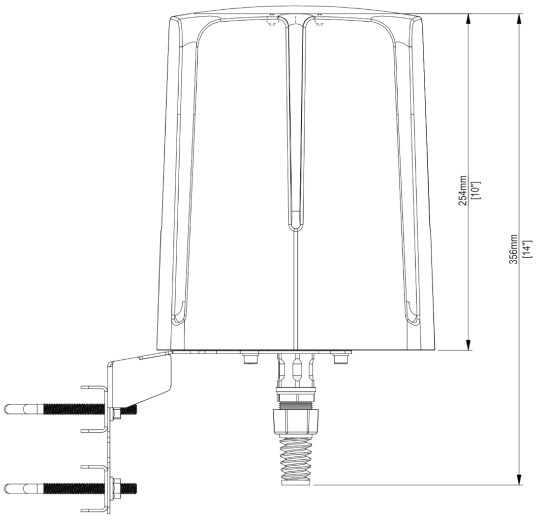
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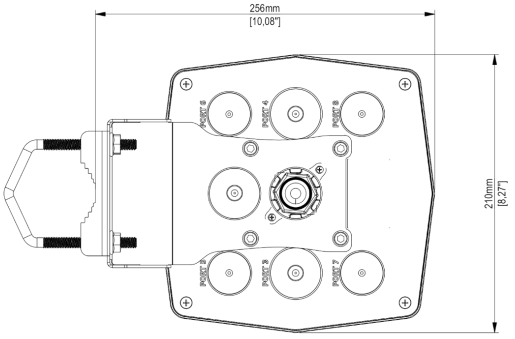


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