



THOR40

Thunder Series

Integrated 5G/LTE Omnidirectional Antenna
for Ericsson (Cradlepoint) S400

- Integrated Multi-band LTE & 5G Omni Antenna
- Wi-Fi omni antenna
- Cavity to install Ericsson (Cradlepoint) S400 Router

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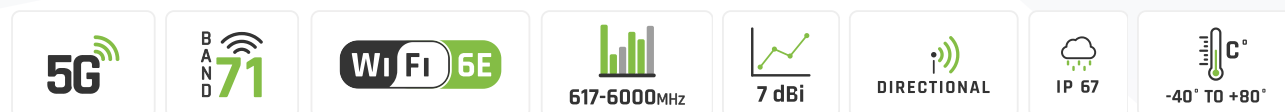


Thunder Series THOR40

Integrated Antenna for Ericsson (Cradlepoint) S400

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL ERICSSON (CRADLEPOINT) S400 (ALL-IN-ONE)

The Taoglas **THOR40** is an outdoor antenna for Ericsson (Cradlepoint) S400 routers is 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 and Wi-Fi® antennas with Ericsson (Cradlepoint) S400 into a single IP67 enclosure. Such integration allows implementation of new outdoor 5G solutions. The THOR40 Thunder Integrated Omnidirectional antenna for Ericsson (Cradlepoint) S400 is an ideal solution for outdoor wireless connectivity in moving applications such as transportation, yachting, boats, and camping but also city centers with high signal density.





5G ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz: 2 dBi 1.7 - 2.7 GHz: 4 dBi 3.3 - 4.7 GHz: 4.5 dBi 5.2 - 6.0 GHz: 2 dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 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, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, n77, n78, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<2.00, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50Ω
CONNECTOR	2x SMA
CABLE TYPE	RG316



WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.2 GHz
GAIN	2.4 - 2.5 GHz: 6 dBi 5.0 - 7.2 GHz: 7.5 dBi
VSWR	<1.50, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50Ω
CONNECTOR	1x RPSMA
CABLE TYPE	RG316

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP67
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F



ENCLOSURE RECOMMENDED
TIGHTENING TORQUE

0,5 - 0,7 Nm

MAST DIAMETER

40-66 mm
1.57-2.60 inch

FREQUENCY BANDS

LTE / 4G

617 MHz	1	2	3	4	5	7	8	4300 MHz
	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	
	48	49	52	53	65	66	67	
	68	69	71	85	103	106		

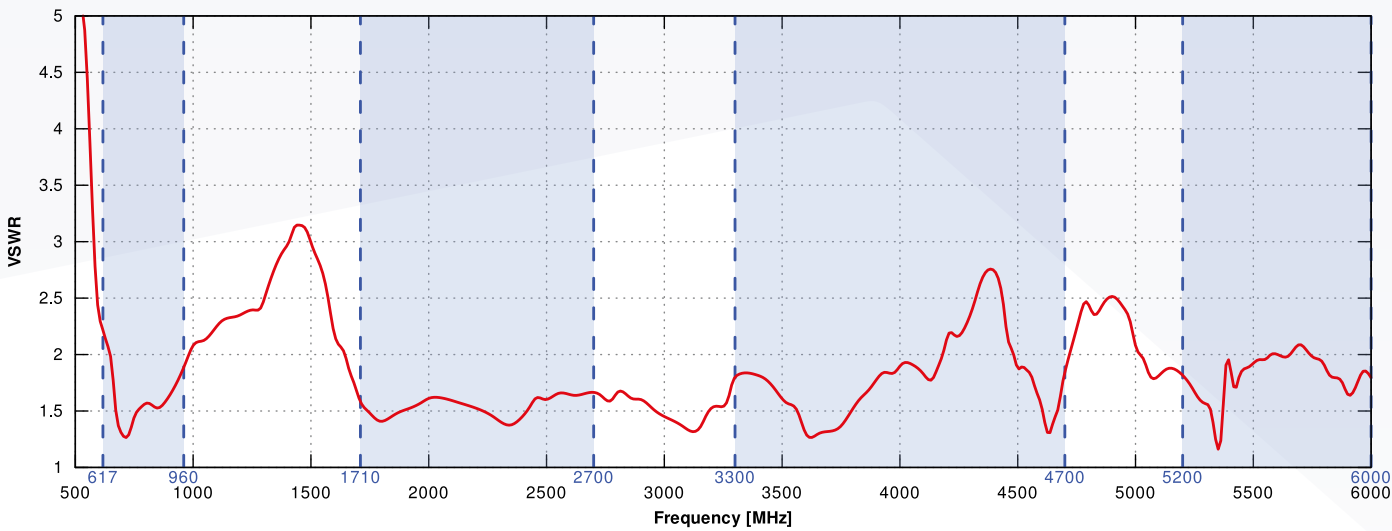
5G

617 MHz	n1	n2	n3	n5	n7	n8	n12	4300 MHz
	n13	n14	n18	n20	n25	n26	n28	
	n29	n30	n34	n38	n39	n40	n41	
	n48	n53	n65	n66	n67	n71	n77	
	n78	n80	n81	n82	n83	n84	n85	
	n86	n89	n90	n95	n97	n98	n100	
	n101	n256						

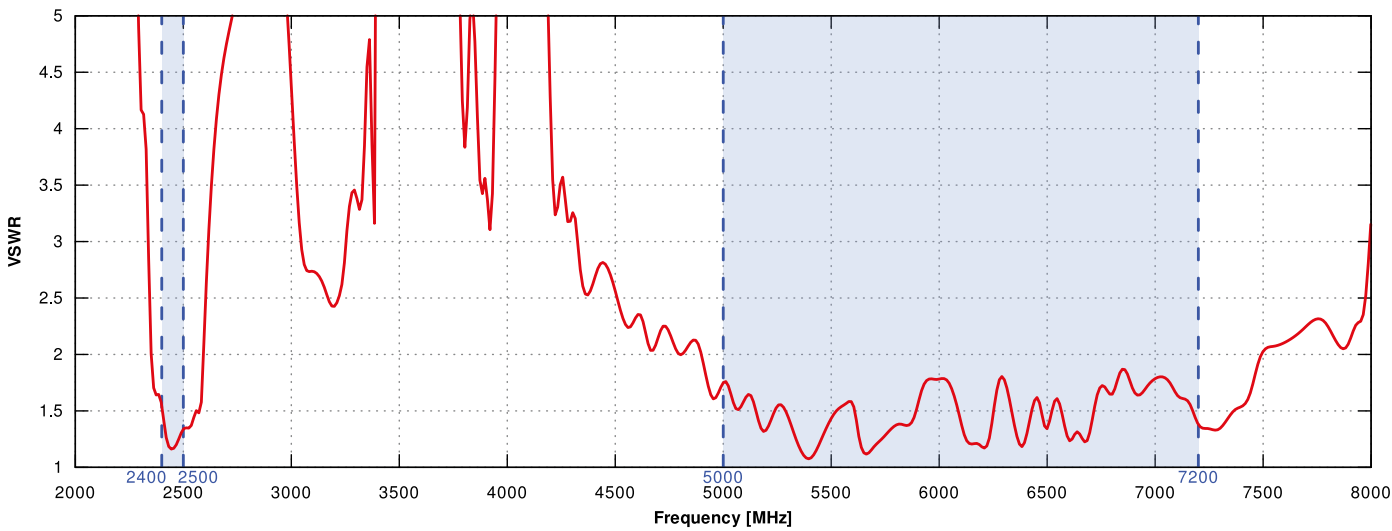


PLOTS

VSWR for 5G/LTE antenna

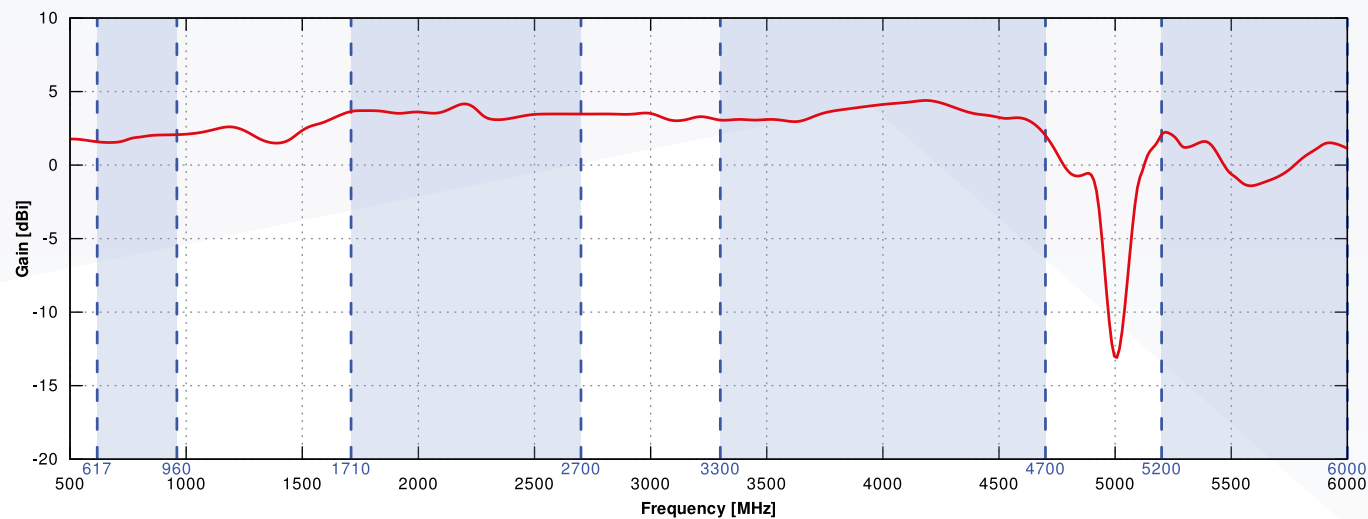


VSWR for Wi-Fi antenna

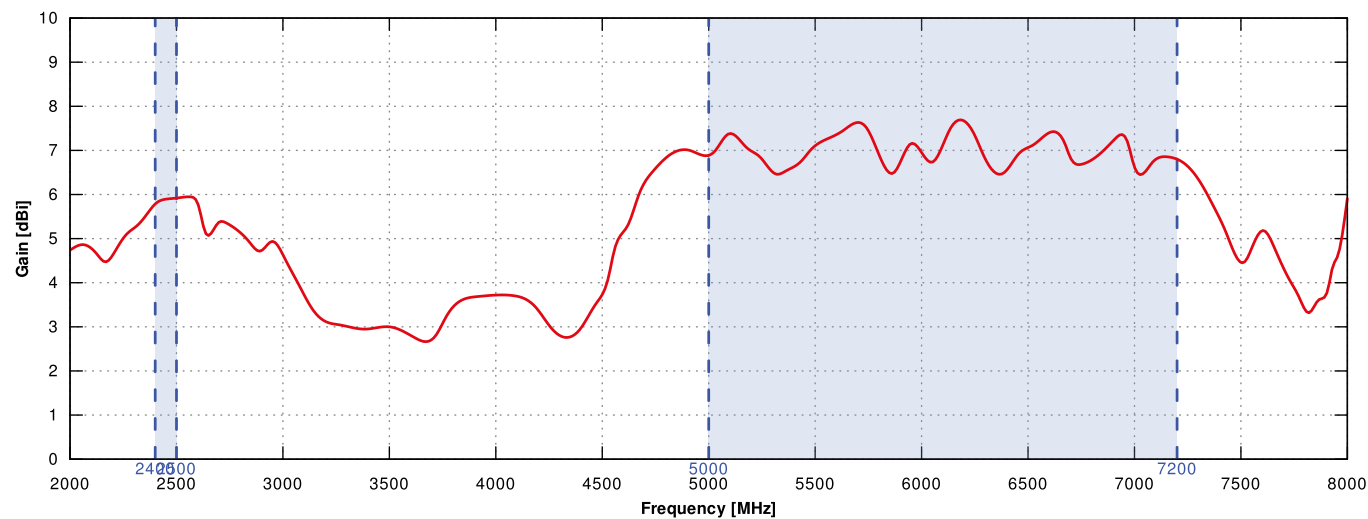




Gain for 5G/LTE antenna

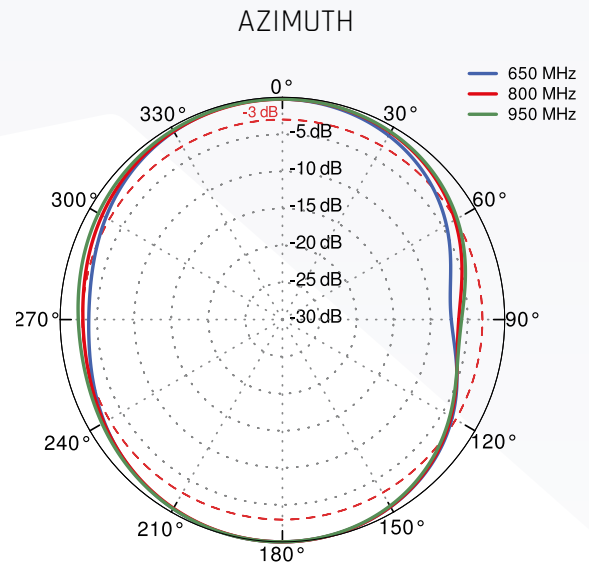
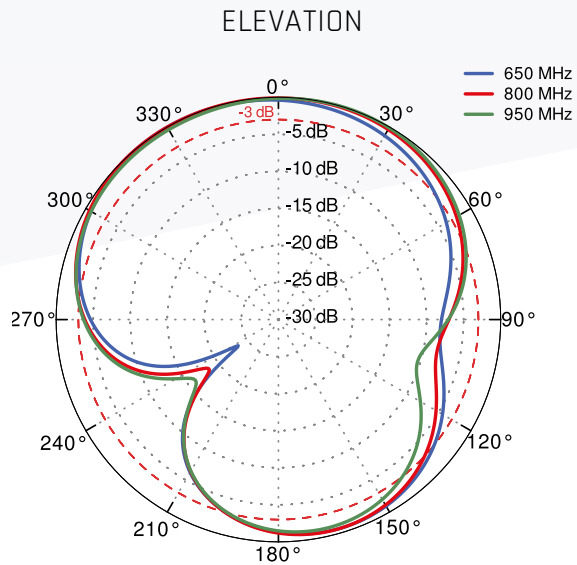


Gain for Wi-Fi antenna

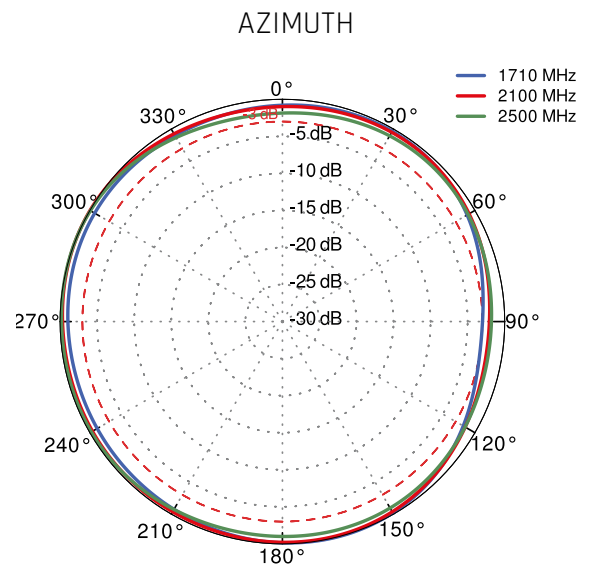
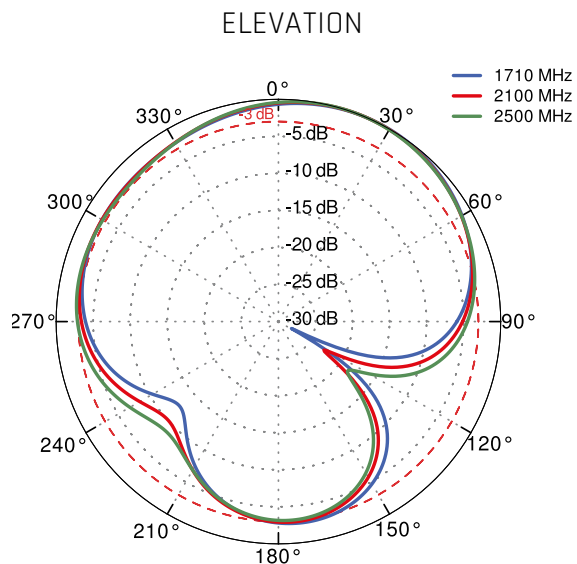




5G/LTE from 650MHz to 950MHz

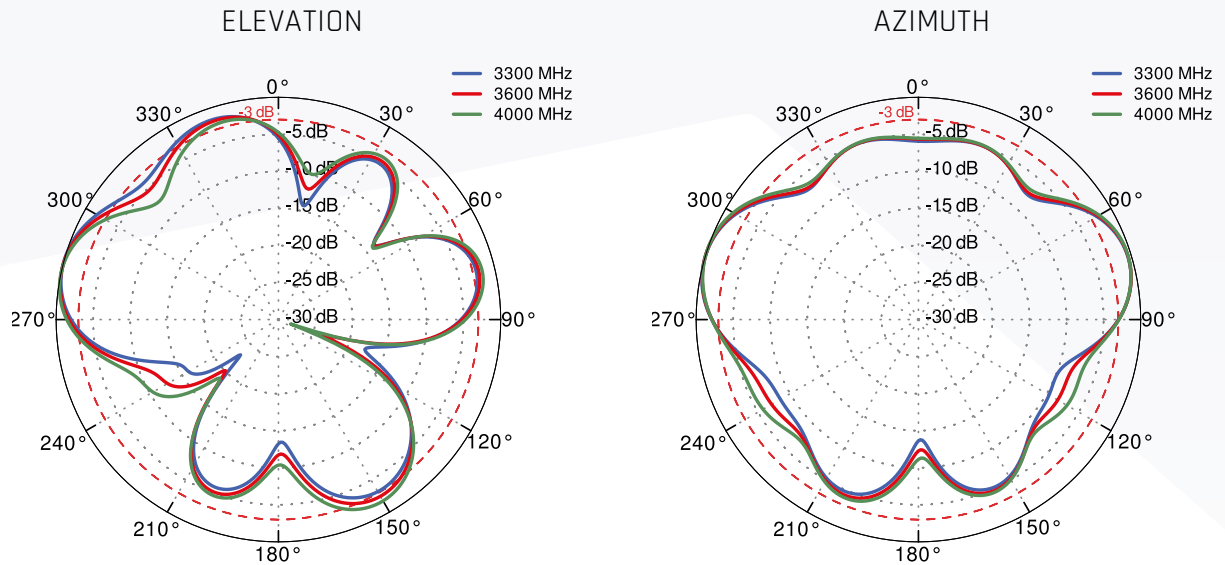


5G/LTE from 1.71GHz to 2.5GHz

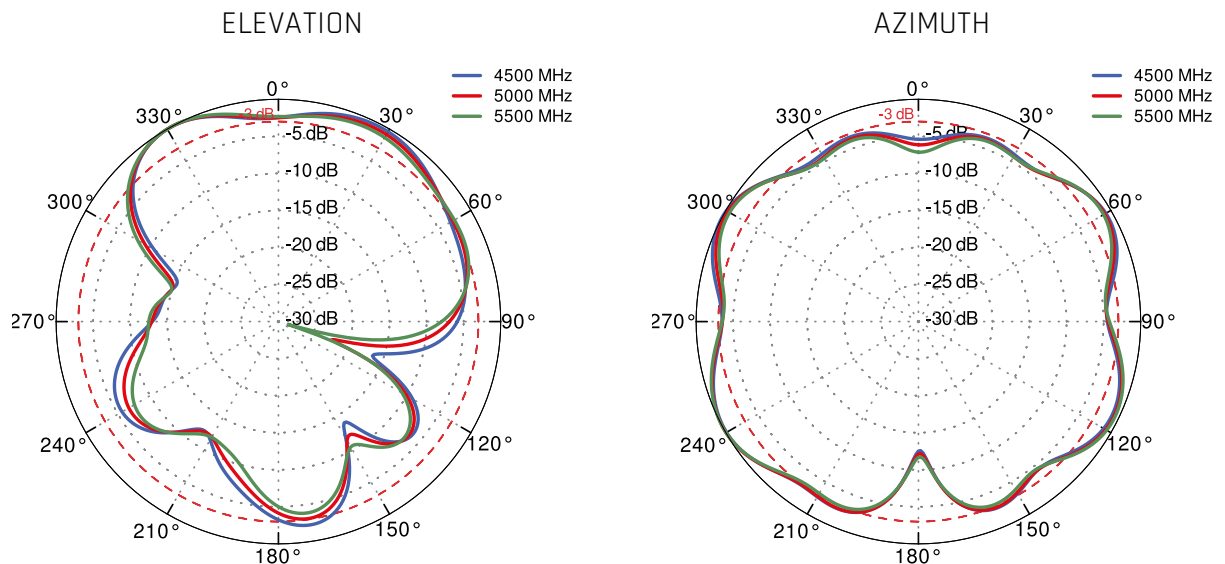




5G/LTE from 3.3GHz to 4.0GHz



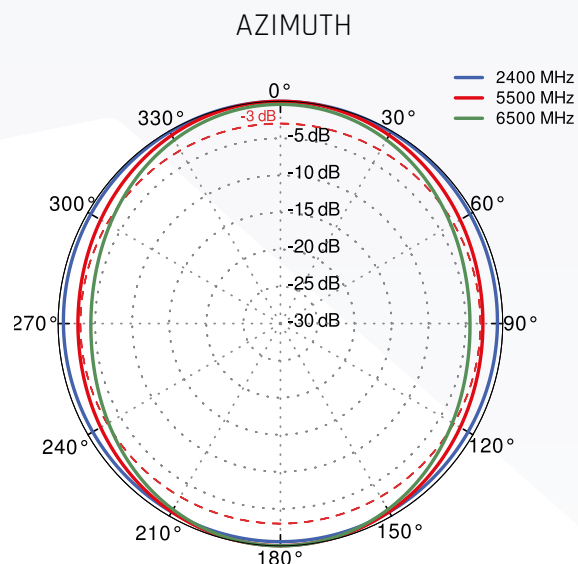
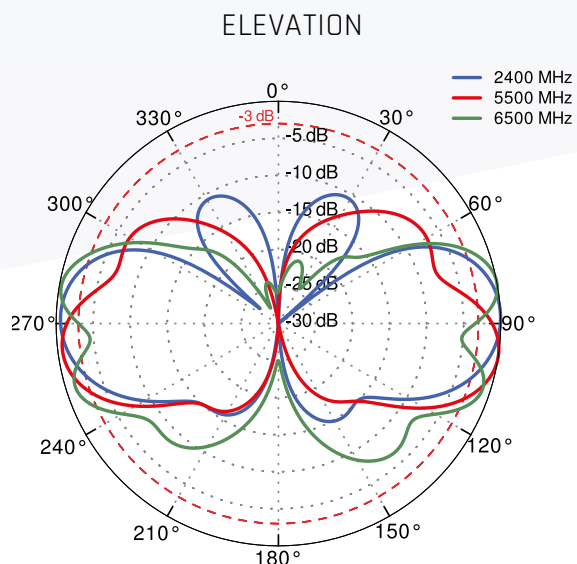
5G/LTE from 4.5GHz to 5.5GHz





PLOTS

Wi-Fi 2.4 GHz and 5 GHz



DIMENSIONS

