



THDRBR1

Thunder Series

Integrated Multi-Band 5G/LTE Directional Antenna
for Peplink MAX BR1 Mini 5G

- Integrated Multi-Band 5G/LTE Directional Antenna
- Multi Band 5G/LTE Antennas
- Wi-Fi OMNI Antenna
- Robust, IP67 Rated Enclosure
- Cavity to install Peplink Max BR1 Mini 5G

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Ireland & USA
ISO 9001:2015
Certified



Taiwan
ISO 9001:2015
Certified



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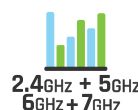


Thunder Series THDRBR1

Integrated 5G/LTE Directional Antenna for Peplink MAX BR1 Mini 5G

INTEGRATED MULTI-BAND 5G/LTE DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL
PEPLINK MAX BR1 MINI 5G (ALL-IN-ONE)

The Taoglas **THDRBR1** Directional antenna for Peplink MAX BR1 Mini 5G routers is designed for use in a variety of wireless communication applications. This all-in-one product consists of multi-band 5G and Wi-Fi® antennas, integrated in IP67 enclosure. It offers 7.5 dBi gain and wide beam width, which makes it suitable for use in both urban and rural environments. Combining the THDRBR1 Thunder Directional antenna with the Peplink MAX BR1 Mini 5G router inside gives you complete outdoor solution with multiple use cases such as public transportation, energy, mining, IoT and much more.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



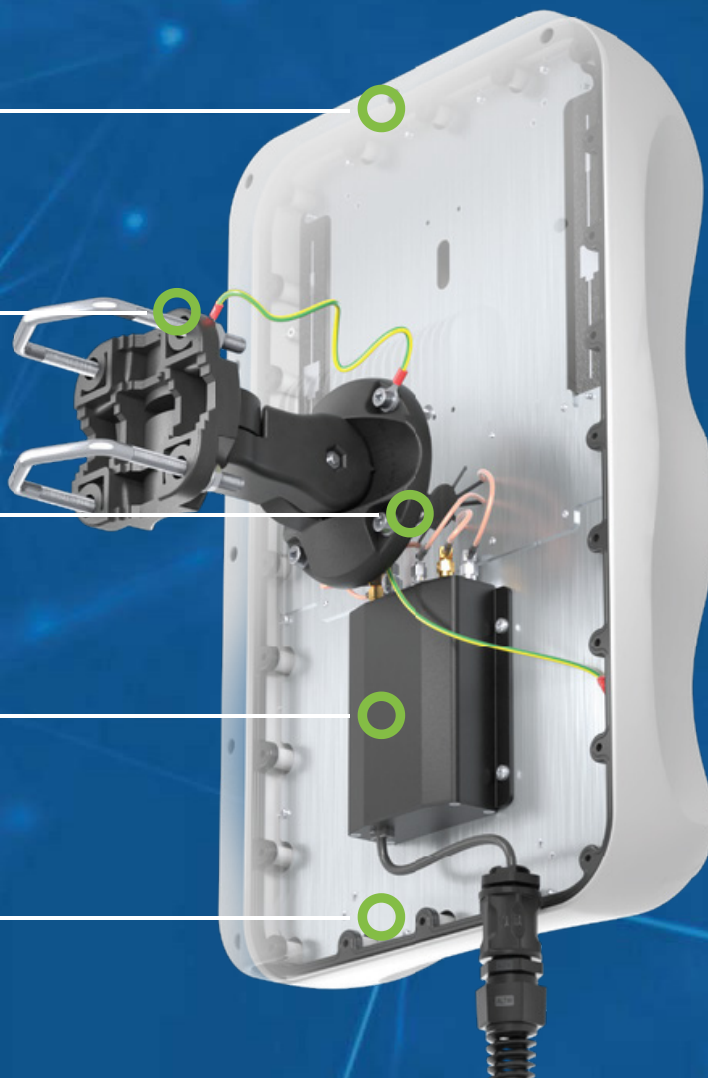
ANTENNA PERFECTLY MATCHED WITH THE PEPLINK MAX BR1 MINI 5G



ALL ANTENNAS AND PEPLINK ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE





5G/LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 0.96 GHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
SUPPORTED LTE BANDS	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, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	0.617 - 0.96 GHz: 6 dBi 1.7 - 2.7 GHz: 7 dBi 3.3 - 4.6 GHz: 7 dBi 4.7 - 6.0 GHz: 5.5 dBi
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° 315°
POLARIZATION	X (+/-45degrees)
IMPEDANCE	50Ω



WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 7.125 GHz
GAIN	2.4 - 2.5 GHz : 6 dBi 5.0 - 7.125 GHz : 7.5 dBi
VSWR	<1.50, max <2.00
BEAMWIDTH	360°/25° 35°
POLARIZATION	Vertical
IMPEDANCE	50Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	480 x 290 x 174.5 mm 18.9 x 11.41 x 6.87 inch
WEIGHT	2.8 kg 6.17 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0,6 - 0,8 Nm
MAST DIAMETER	25-66 mm 0.98-2.60 inch



FREQUENCY BANDS

LTE / 4G

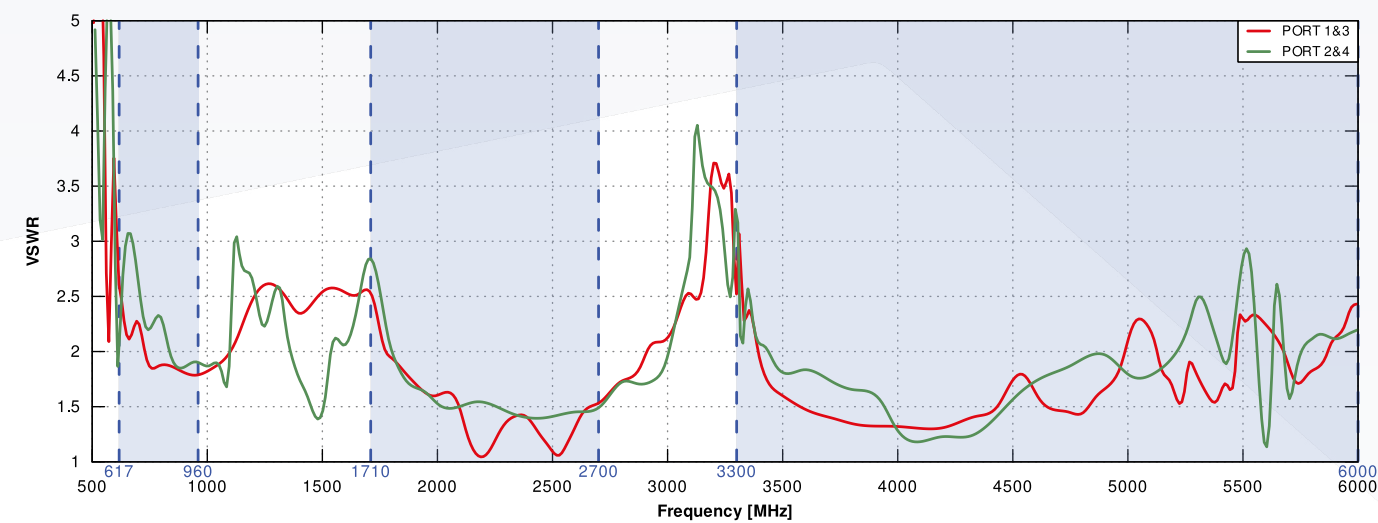
	1	2	3	4	5	7	8	
	9	10	12	13	14	17	18	
	19	20	22	25	26	27	28	
617	29	30	33	34	35	36	37	6000
MHz	38	39	40	41	42	43	44	MHz
	46	47	48	49	52	53	65	
	66	67	68	69	71	85	103	
	106							

5G

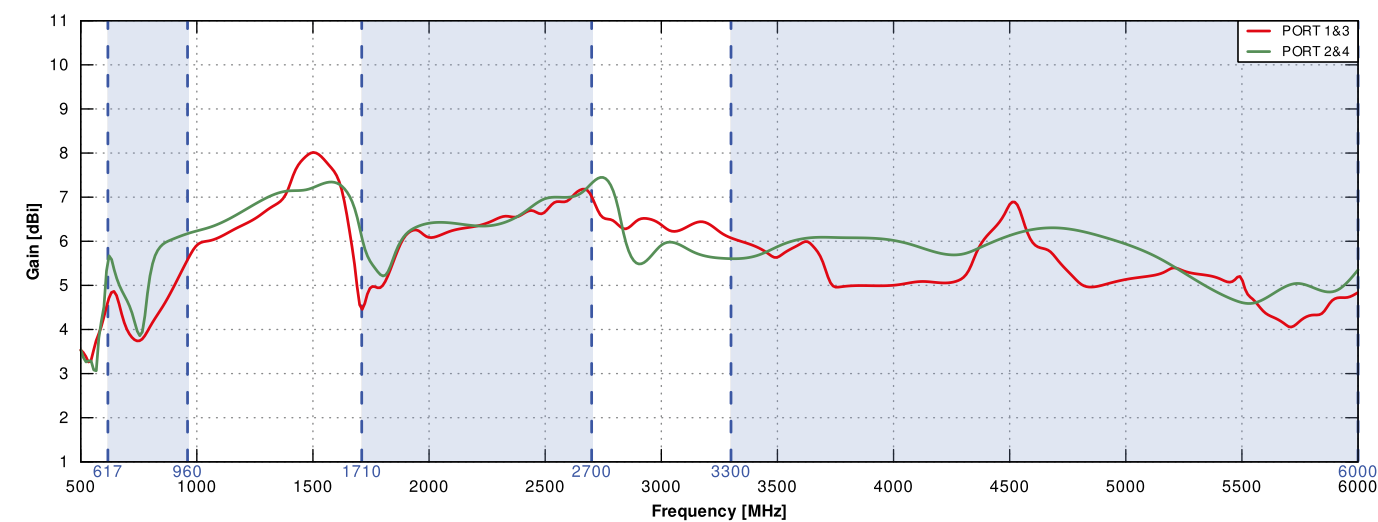
	n1	n2	n3	n5	n7	n8	n12	
	n13	n14	n18	n20	n25	n26	n28	
	n29	n30	n34	n38	n39	n40	n41	
617	n46	n47	n48	n53	n65	n66	n67	6000
MHz	n71	n77	n78	n80	n81	n82	n83	MHz
	n84	n85	n86	n89	n90	n95	n97	
	n98	n100	n101	n256				

PLOTS

5G/LTE VSWR

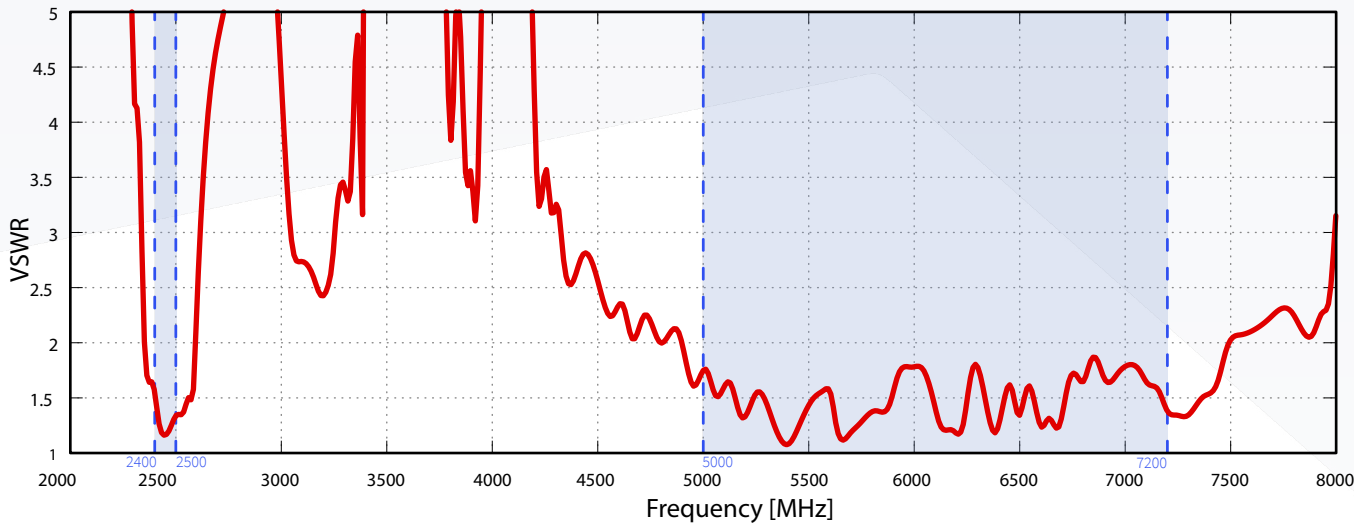


5G/LTE Gain

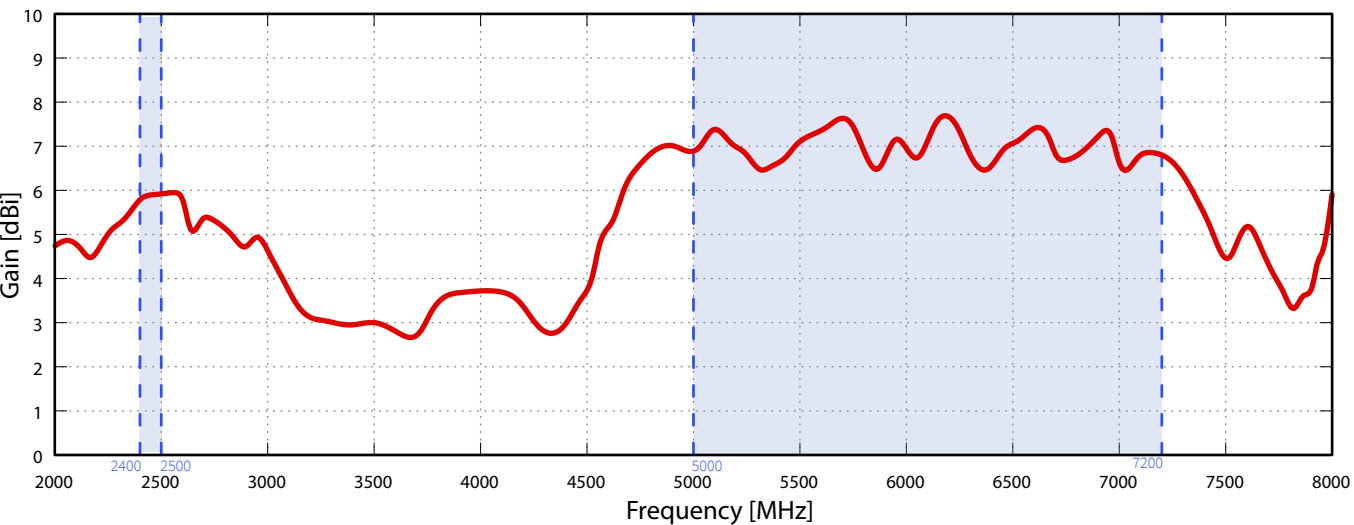


PLOTS

Wi-Fi VSWR

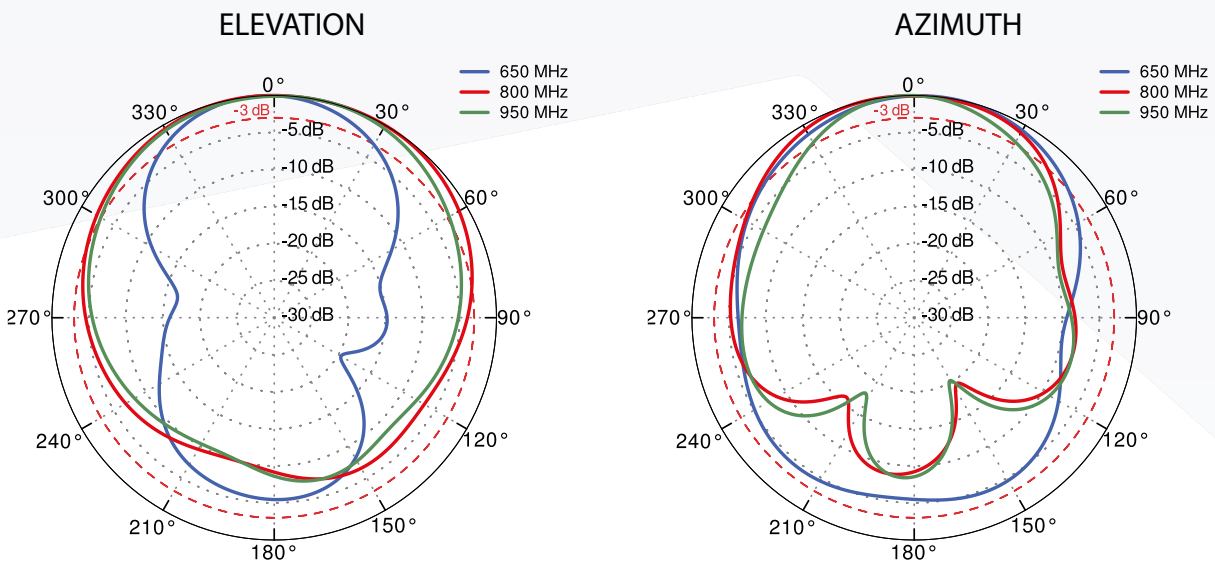


Wi-Fi Gain

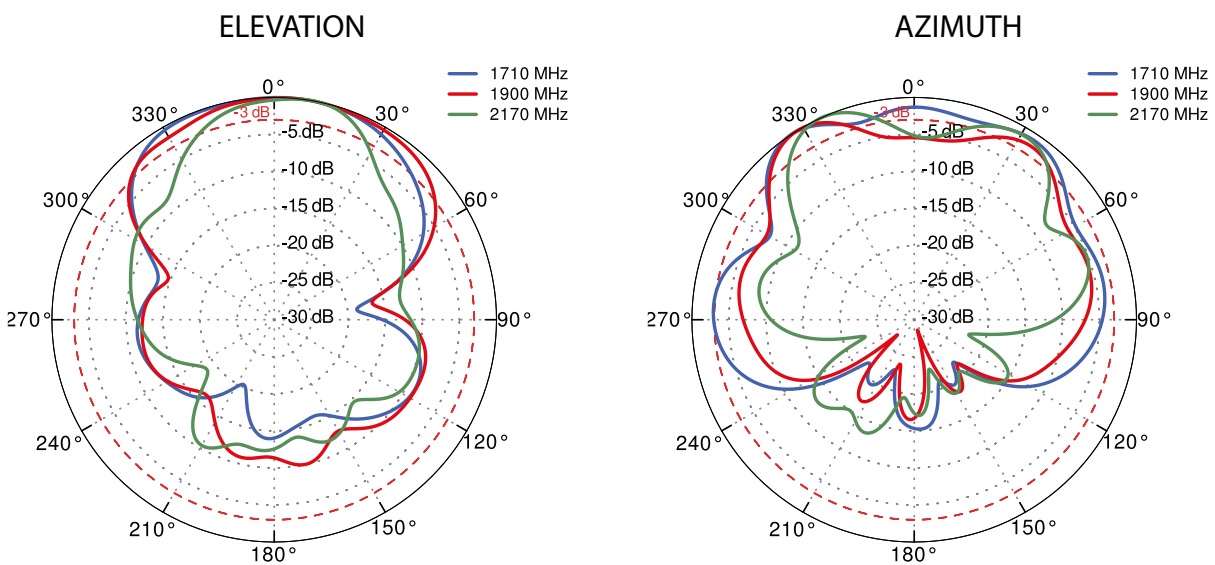




PORT 1&3 - 5G/LTE From 650 MHz to 950 MHz

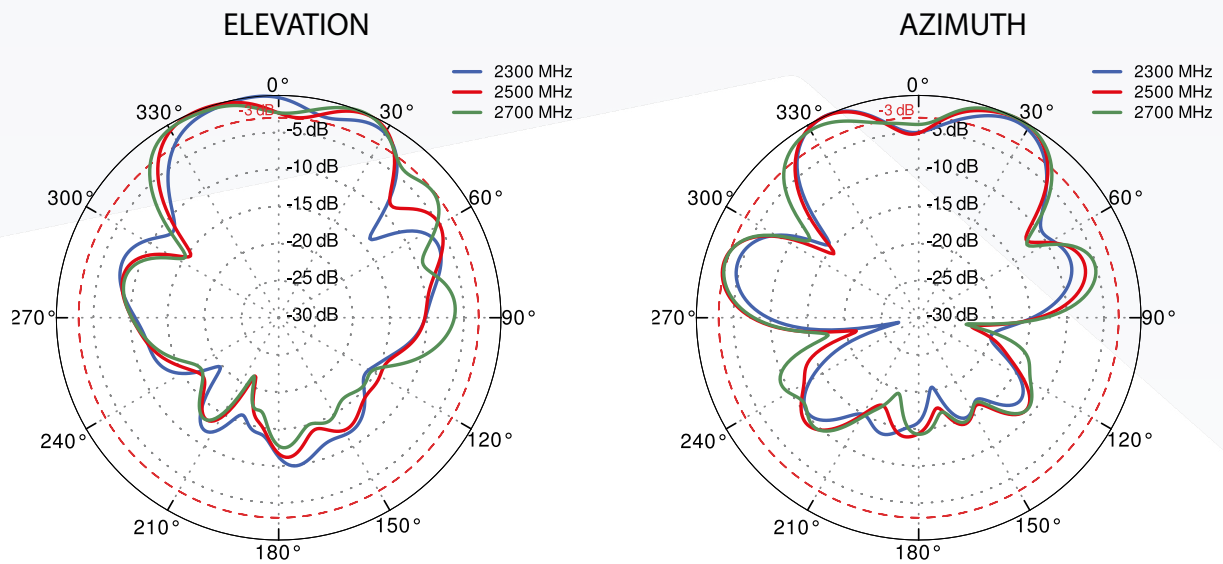


PORT 1&3 - 5G/LTE From 1.71GHz to 2.17 GHz

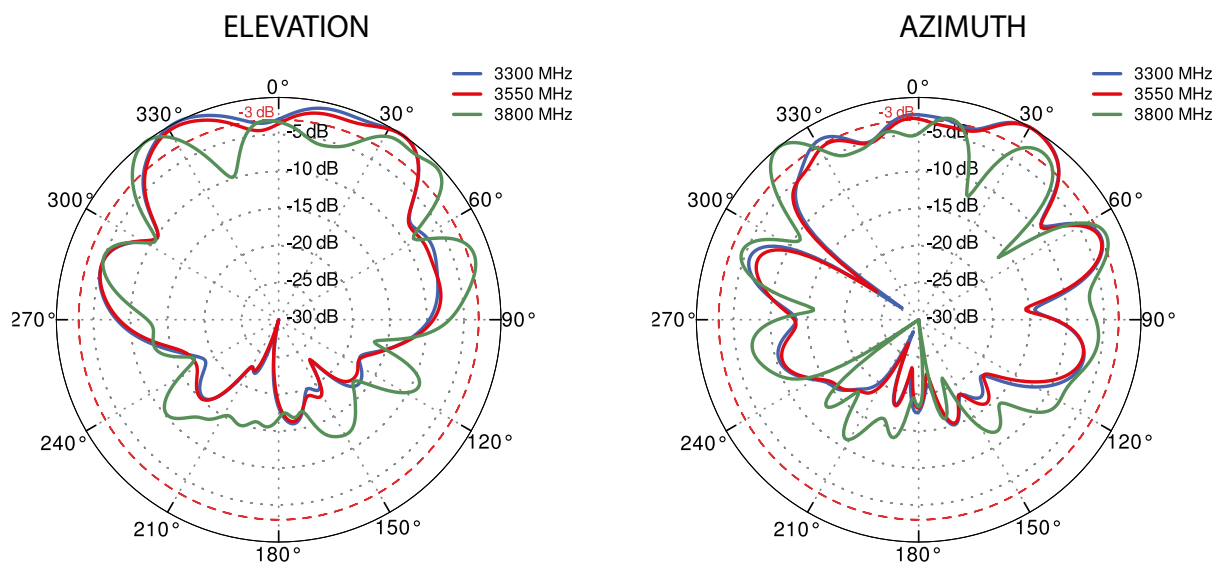




PORT 1&3 - 5G/LTE From 2.3 GHz to 2.7 GHz

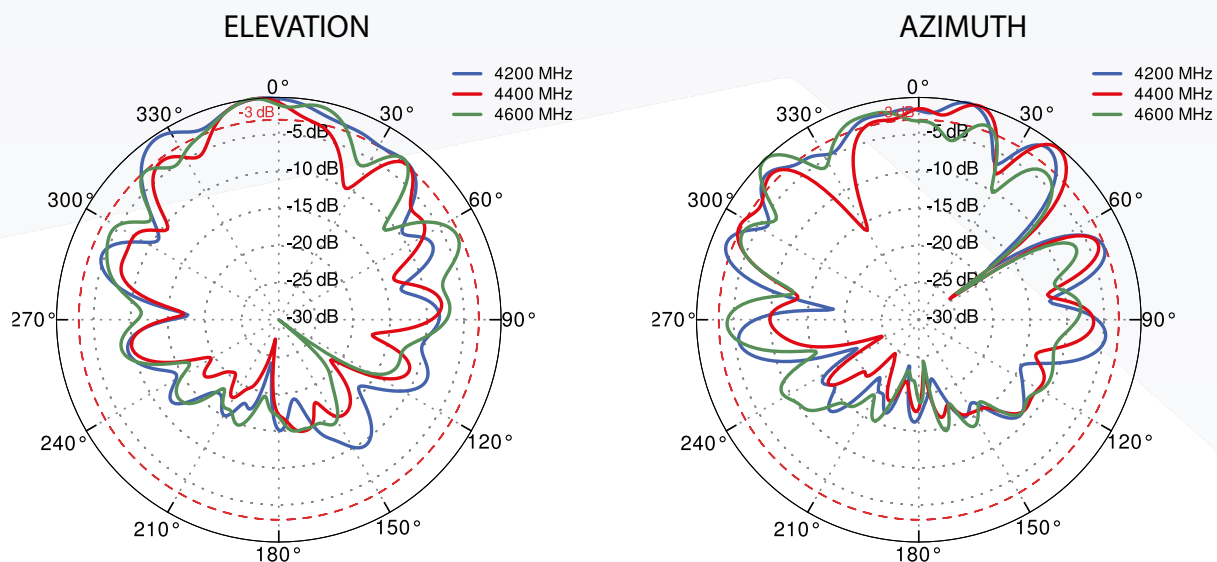


PORT 1&3 - 5G/LTE From 3.3 GHz to 3.8 GHz

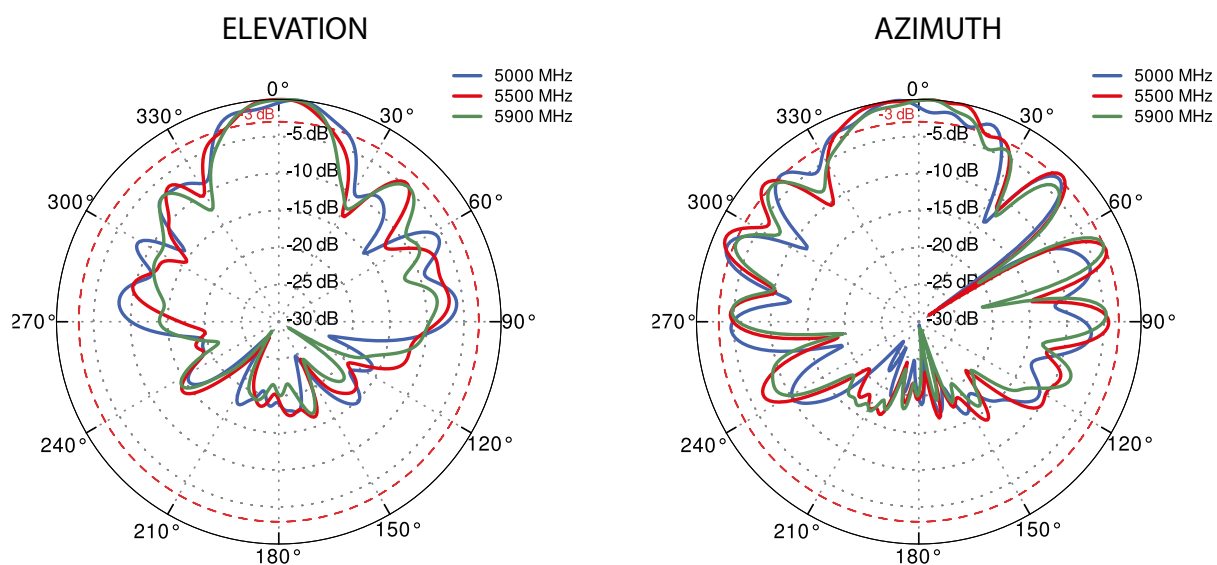




PORT 1&3 - 5G/LTE From 4.2 GHz to 4.6 GHz

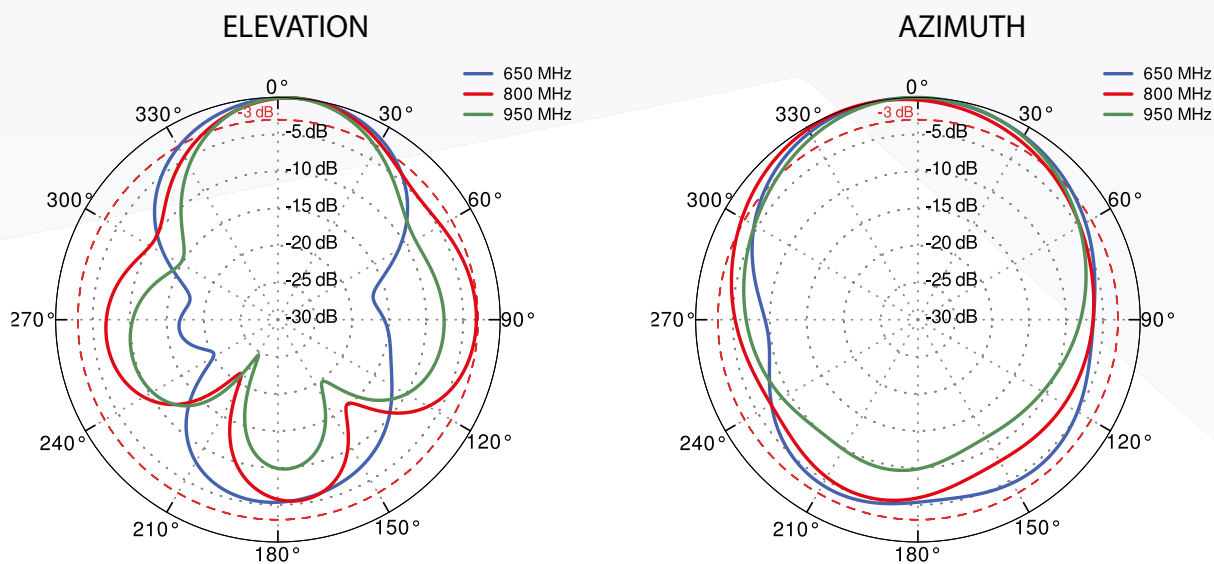


PORT 1&3 - 5G/LTE From 5.0 GHz to 5.9 GHz

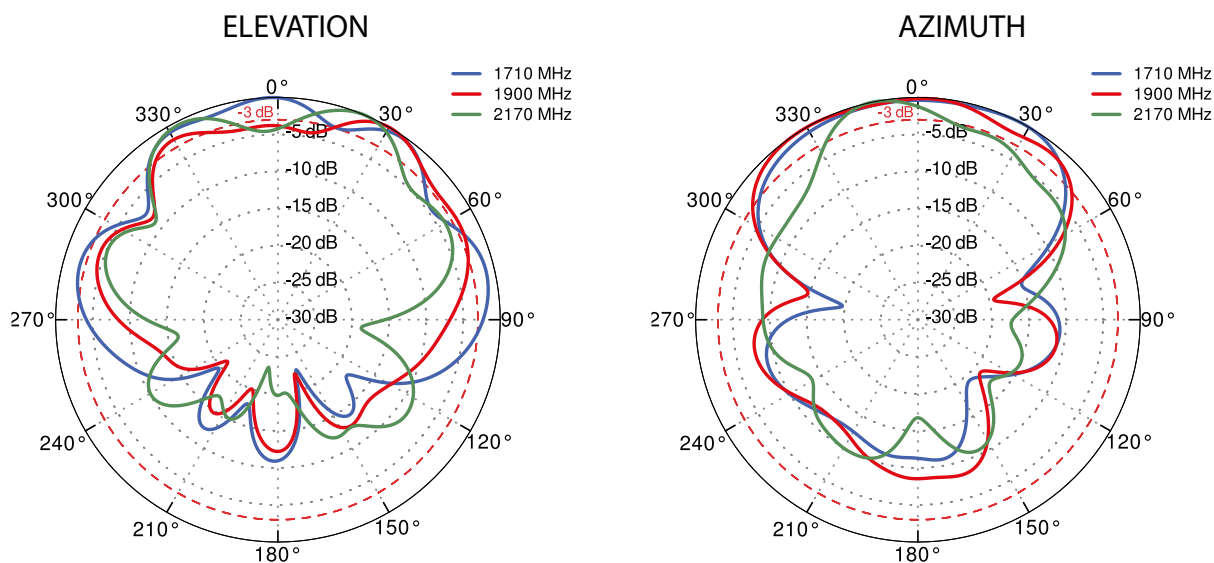




PORT 2&4 - 5G/LTE From 650 MHz to 950 MHz

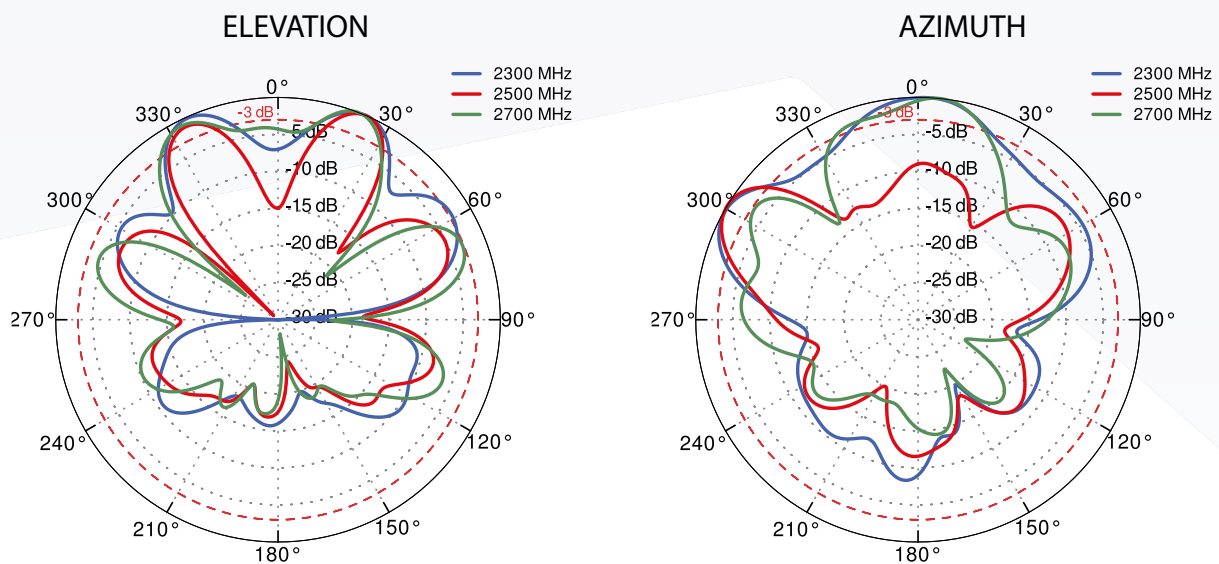


PORT 2&4 - 5G/LTE From 1.71GHz to 2.17 GHz

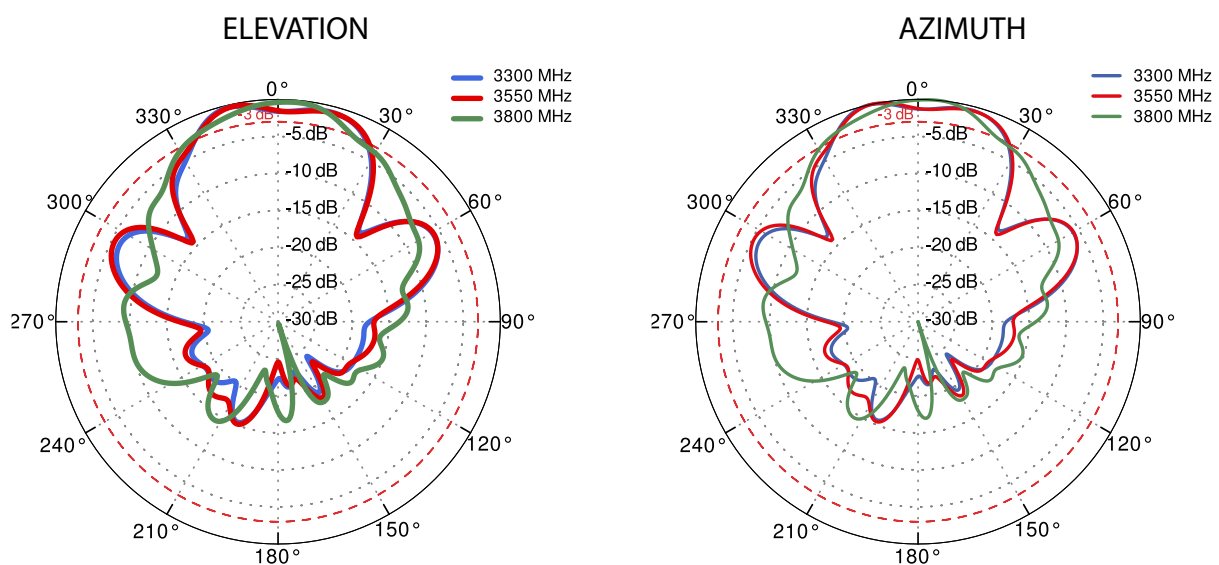




PORT 2&4 - 5G/LTE From 2.3 GHz to 2.7 GHz

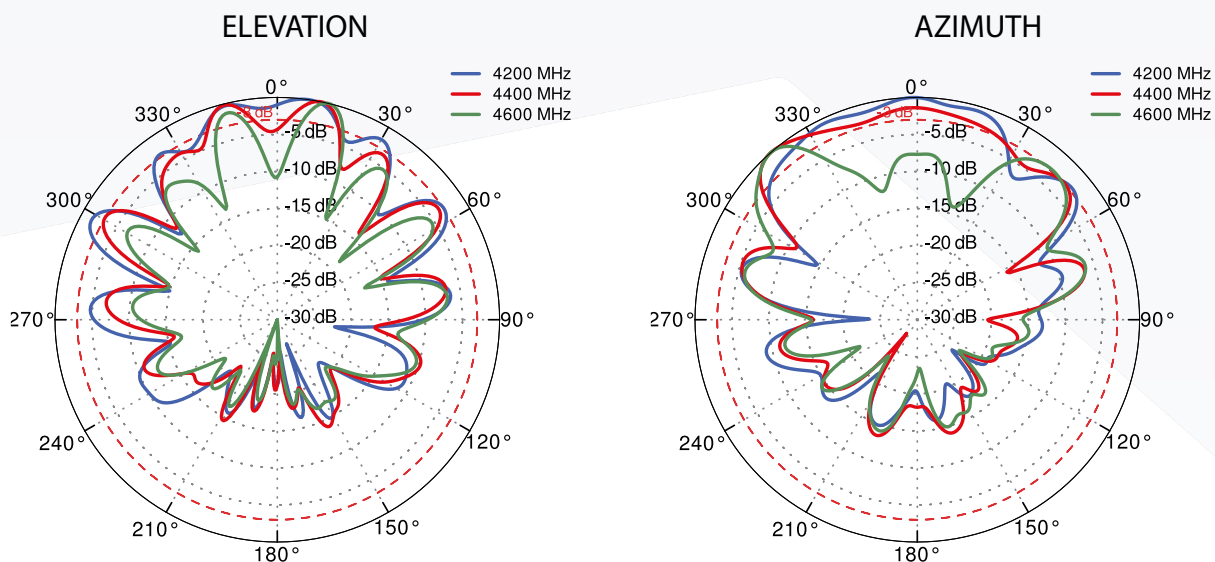


PORT 2&4 - 5G/LTE From 3.3 GHz to 3.8 GHz

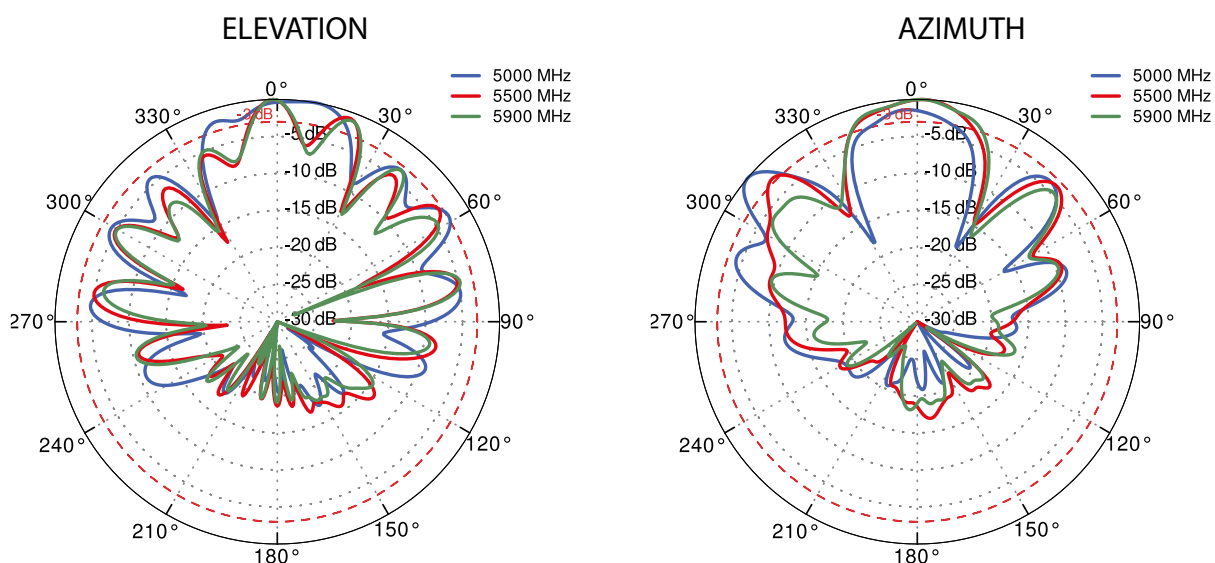




PORT 2&4 - 5G/LTE From 4.2 GHz to 4.6 GHz

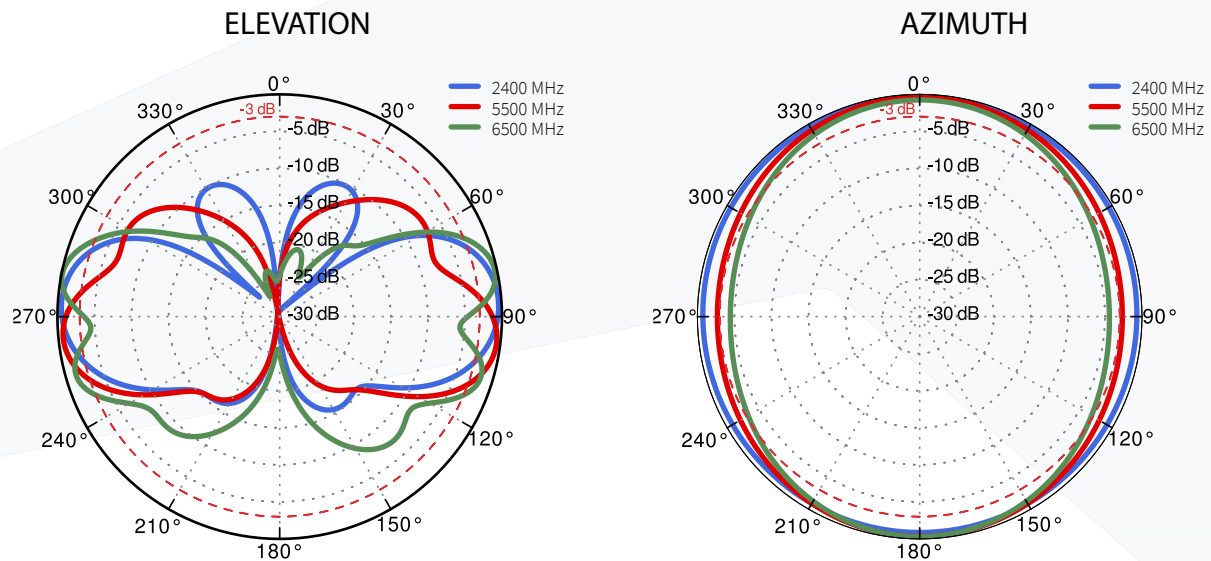


PORT 2&4 - 5G/LTE From 5.0 GHz to 5.9 GHz





Wi-Fi From 2.4 GHz to 6.5 GHz



DIMENSIONS

