

QuMax for Teltonika RUT2xx ver. US (Band71)

INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + PLACE TO INSTALL TELTONIKA RUT281/RUT260/RUT241/RUT240/RUT200/RUT230 (ALL-IN-ONE)

QuMax for **RUT2xx ver. US (Band71)** is an outdoor antenna designed to provide reliable wireless connectivity in a variety of environments. It is dedicated to connections with long distance to base station. It is designed to have Teltonika **RUT281, RUT271, RUT260, RUT241, RUT240, RUT230** or **RUT200** router installed inside IP68 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also Wi-Fi omni antenna.**

NOTE: For RUT230 one LTE antenna is unplugged.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



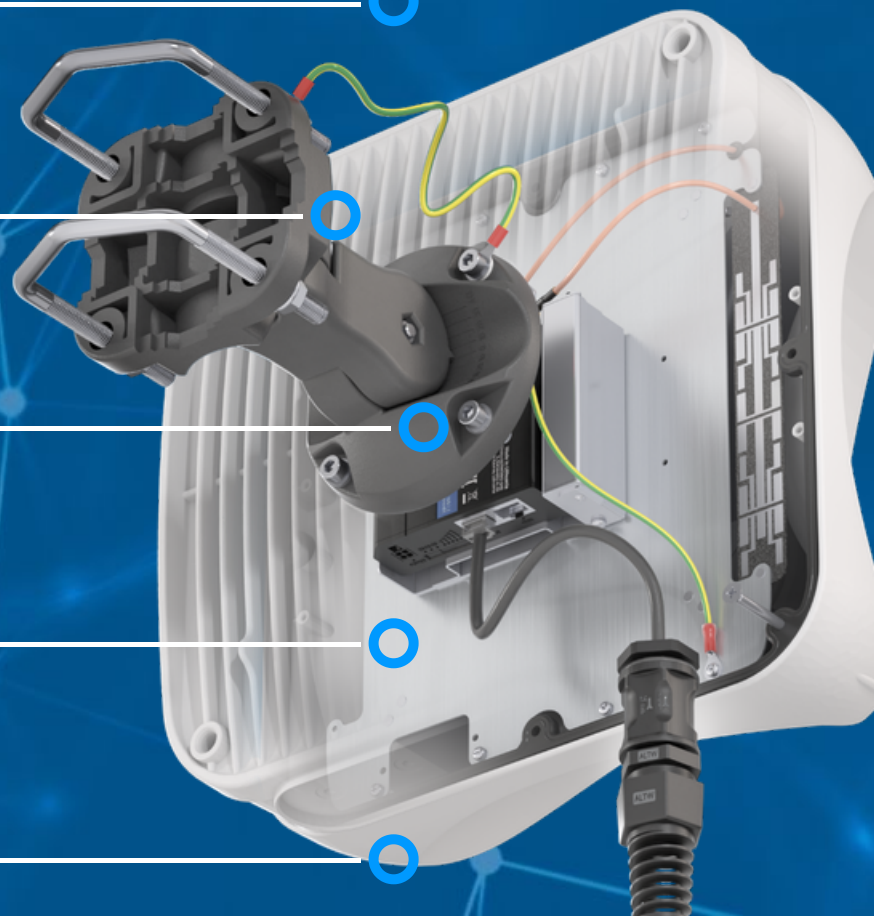
WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	0.617 - 1.7 GHz 1.7 - 3.0 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
GAIN	0.617 - 1.7 GHz : 7.5 dBi 1.7 - 3.0 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5 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, 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, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (+-45degrees)
IMPEDANCE	50 Ω
CONNECTOR	2x SMA
CABLE TYPE	RG316

WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 4.7- 6.0 GHz
GAIN	2.4 - 2.5 GHz : 6 dBi 4.7 - 6.0 GHz : 7 dBi
VSWR	< 1.70, max < 2.00
BEAMWIDTH	360°/25°
POLARIZATION	Vertical
IMPEDANCE	50 Ω
CONNECTOR	1x RPSMA
CABLE TYPE	RG316

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, fiberglass
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	27.0 x 27.6 x 19.5 \pm 1.0 cm 10.63 x 10.86 x 7.67 \pm 0.39 inch
NET WEIGHT	2,16 \pm 0.2 kg 4.76 \pm 0.44 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F

**ENCLOSURE RECOMMENDED
TIGHTENING TORQUE**

0.6 - 0.8 Nm

MOUNTING KIT

DIMENSIONS

9.9 x 10.5 x 14.8 ± 0.5 cm
3.9 x 4.13 x 5.83 ± 0.19 inch

REGULATION RANGE

+/- 30°

MAST DIAMETER RANGE

25 - 66mm
0.98-2.60 inch

MATERIAL

Polyamide with fiberglass + galvanized steel U-Bolts

MOUNTING PLACE

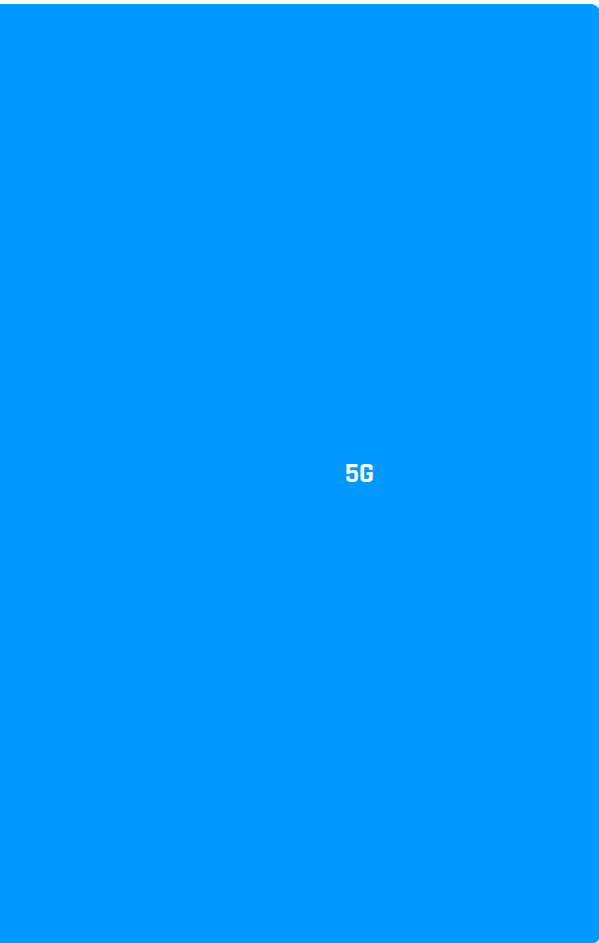
Wall or ceiling or mast

FREQUENCY BANDS

LTE / 4G

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

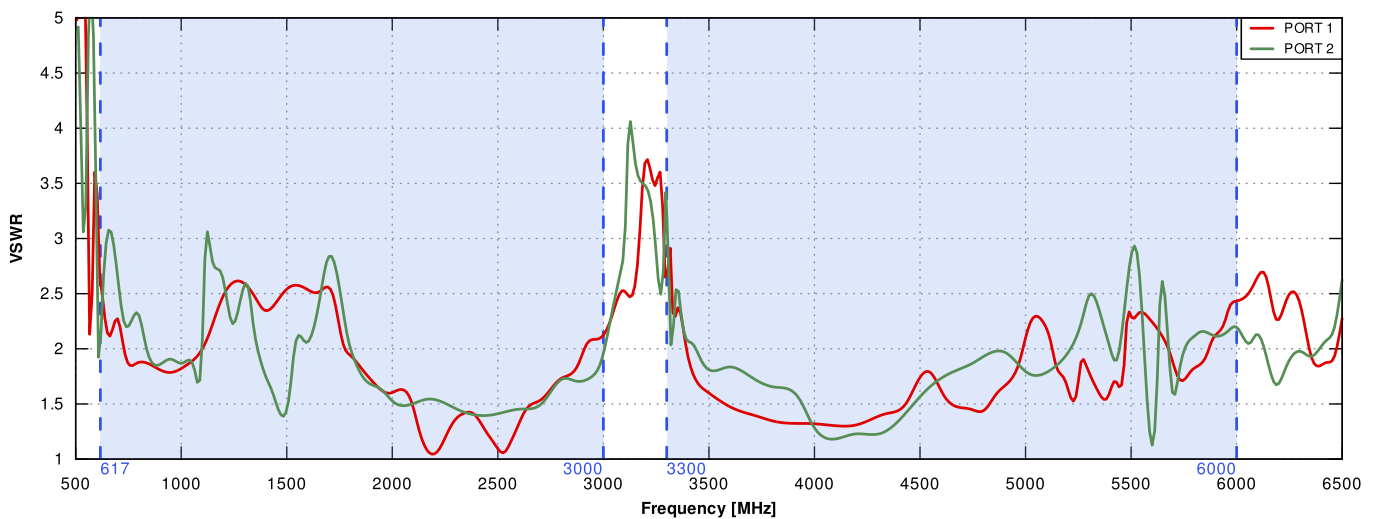
617 MHz 6000 MHz



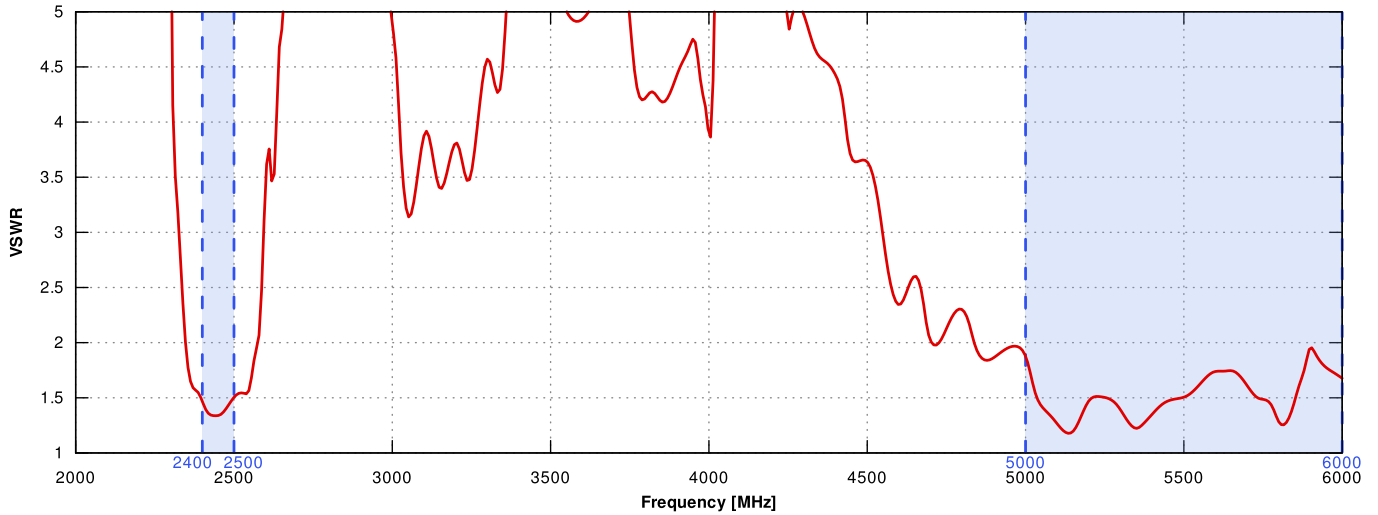
n1	n2	n3	n5	n7	n8	n12		
n13	n14	n18	n20	n24	n25	n26		
n28	n29	n30	n34	n38	n39	n40		
n41	n46	n47	n48	n50	n51	n53		
61	n54	n65	n66	n67	n68	n70	n71	60
7	n74	n75	n76	n77	n78	n79	n80	00
M	n81	n82	n83	n84	n85	n86	n89	M
H	n90	n91	n92	n93	n94	n95	n97	Hz
Z	n98	n99	n100	n101	n106	n109	n110	
	n250	n251	n252	n253	n254	n255	n256	

PLOTS

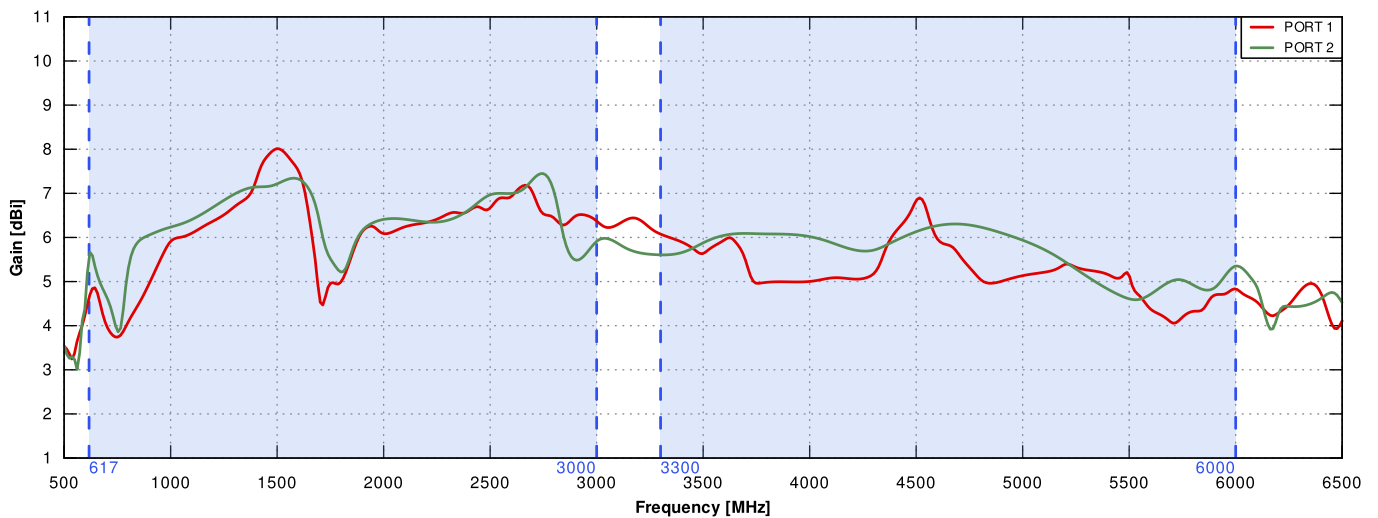
LTE VSWR



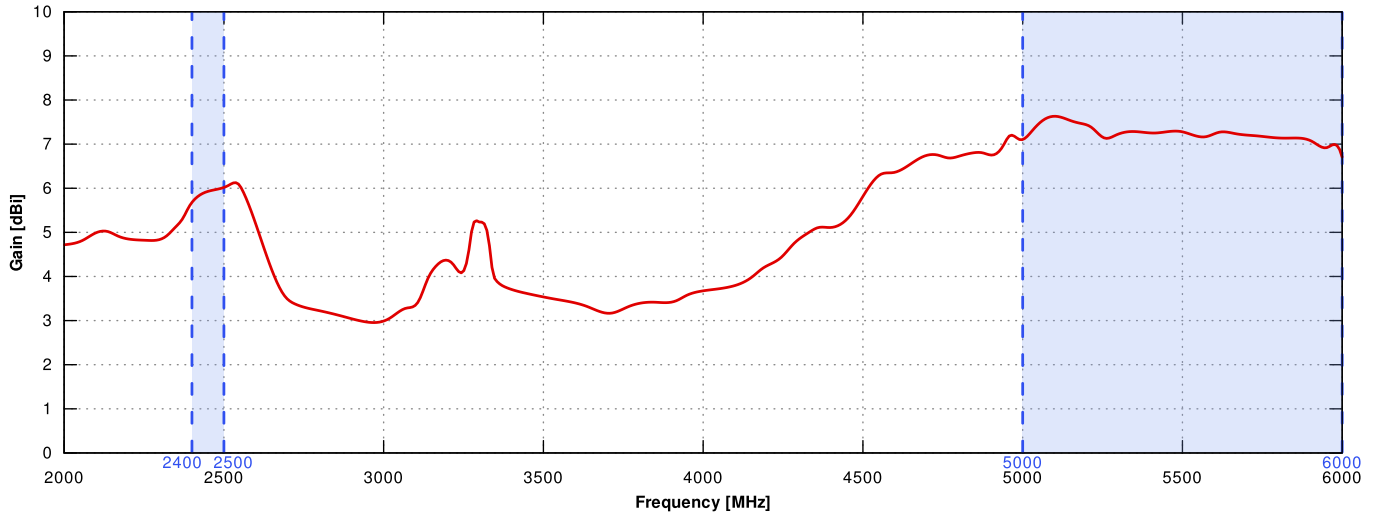
WI-FI VSWR



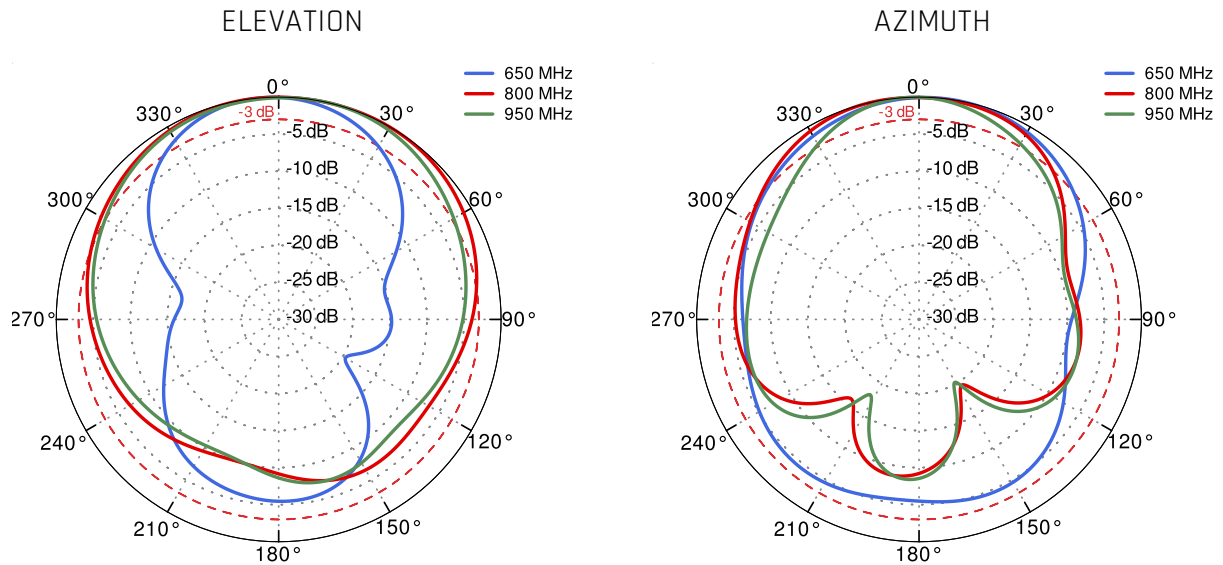
LTE Gain



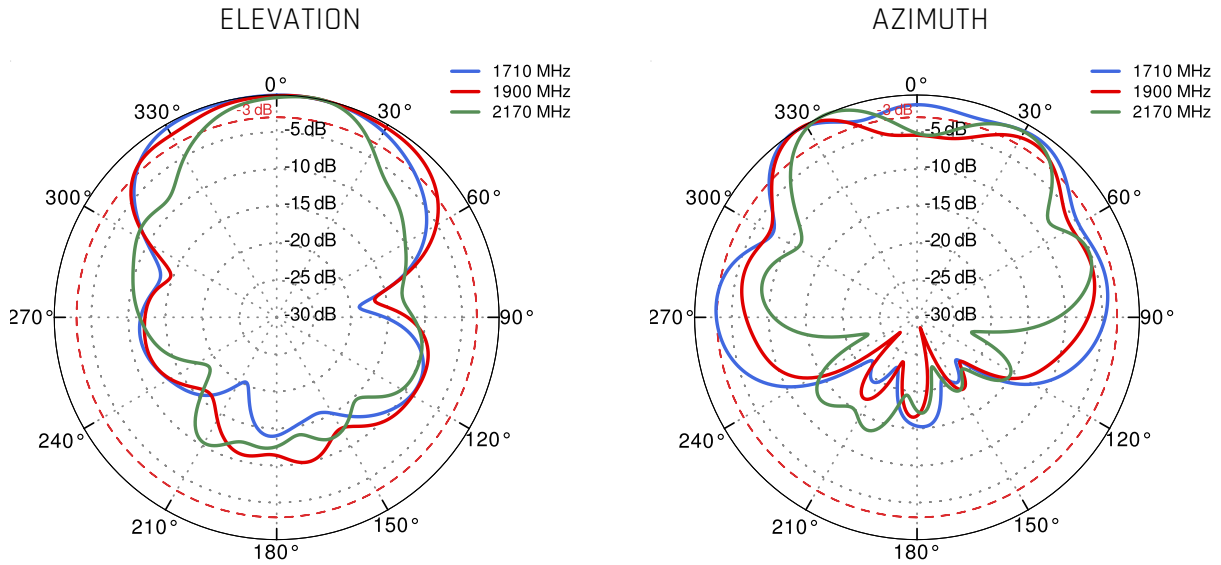
WI-FI Gain



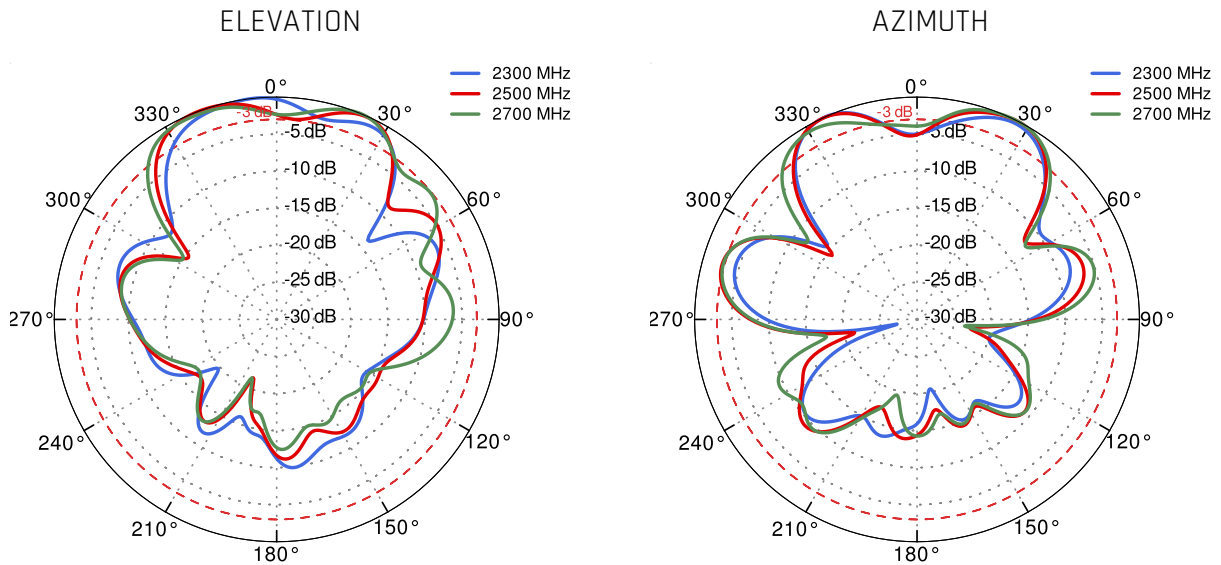
PORT 1 - 5G/LTE from 650MHz to 950MHz



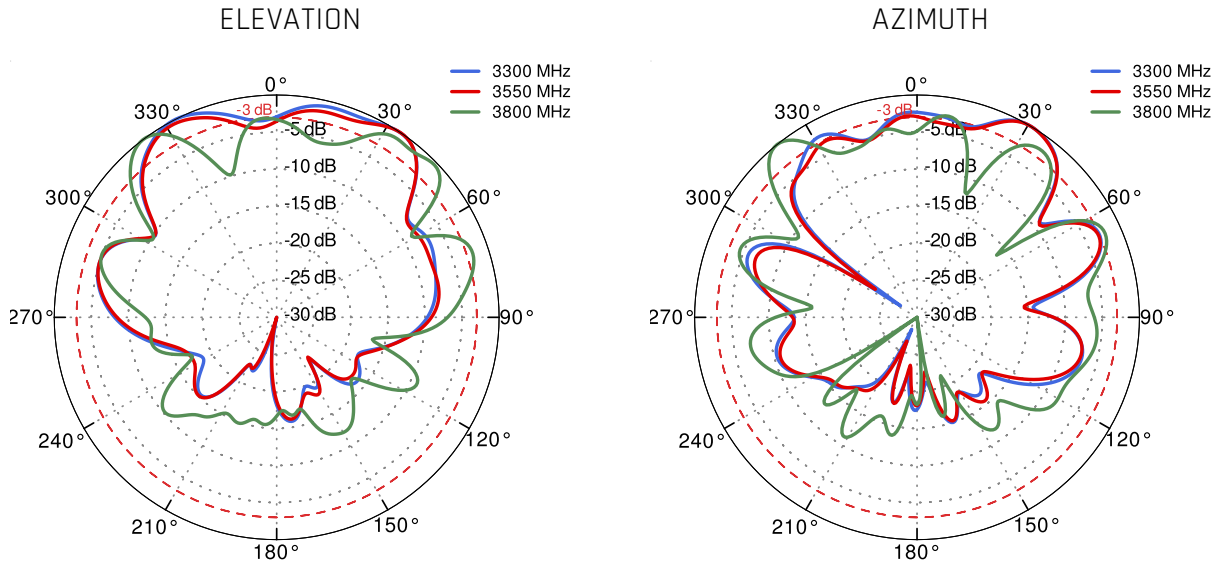
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



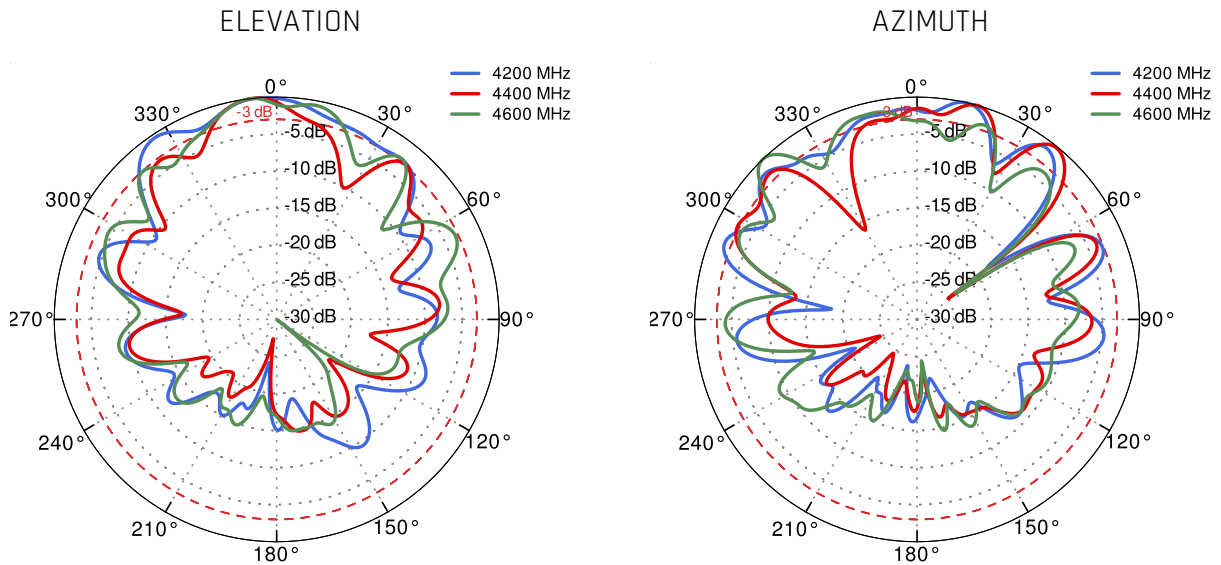
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



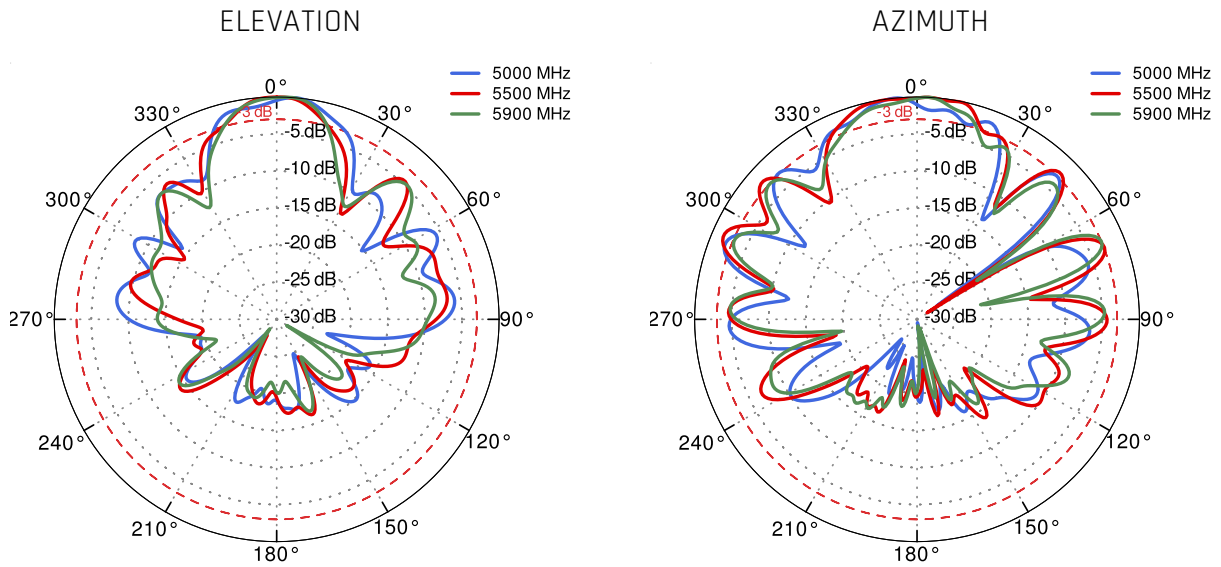
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



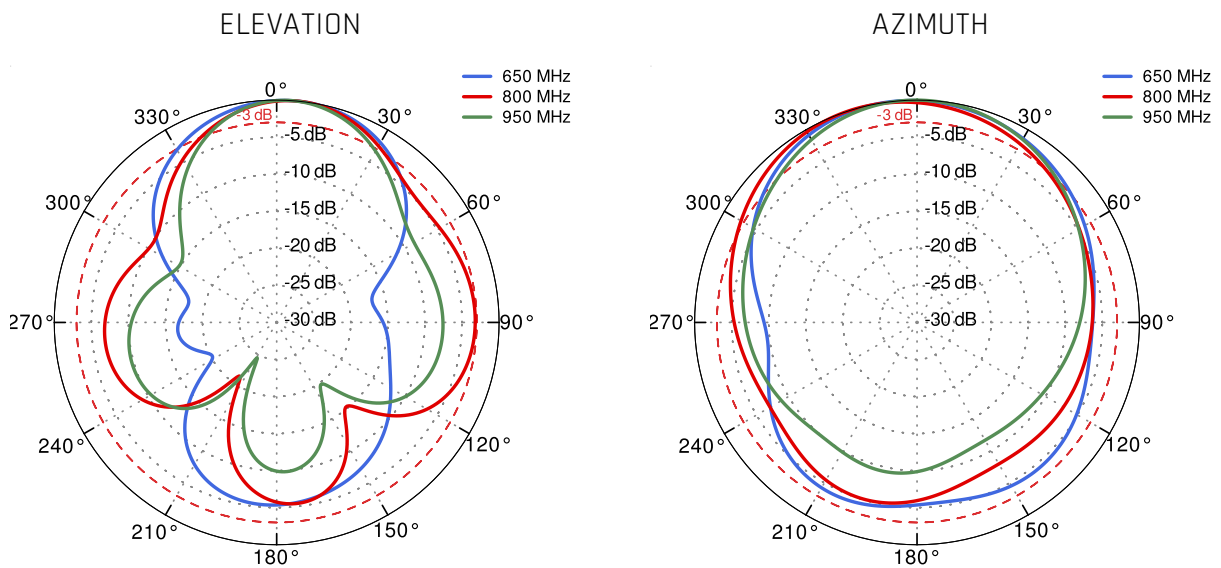
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



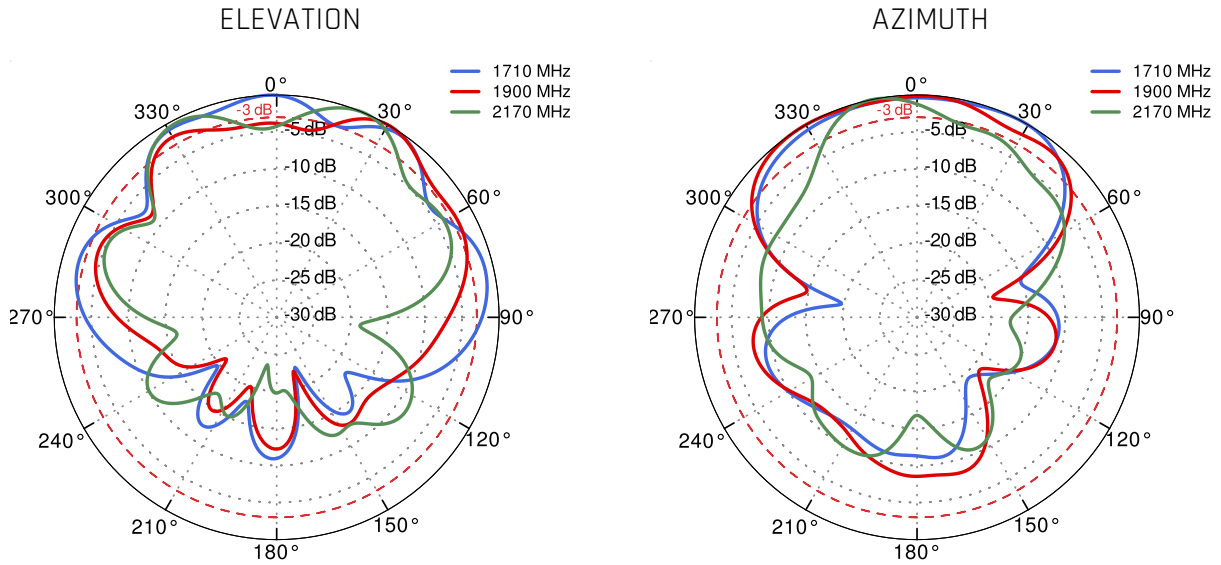
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



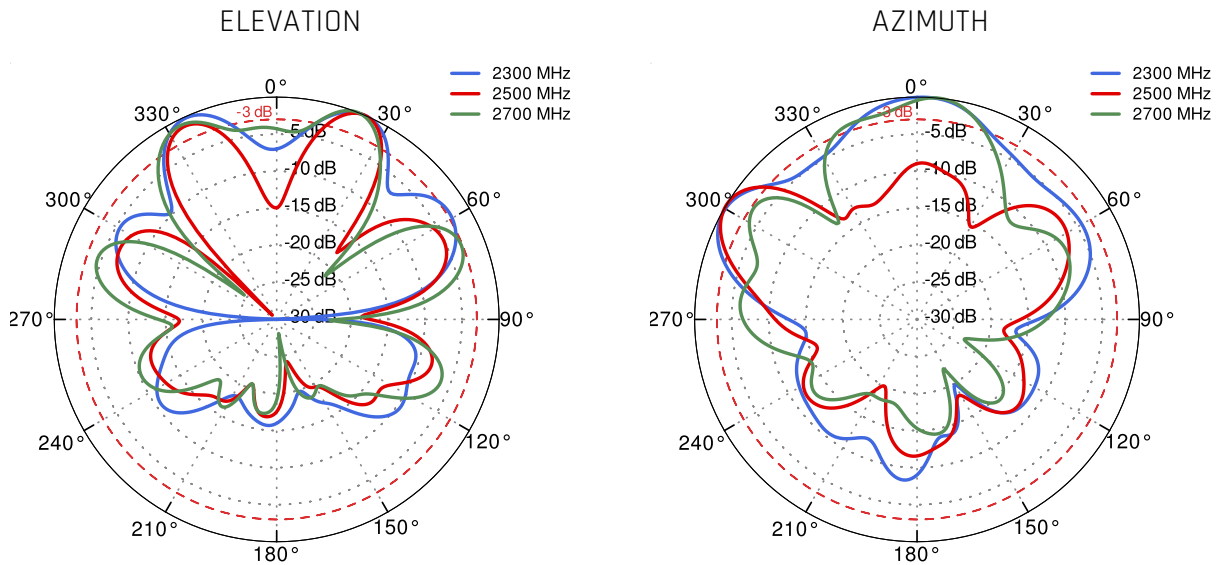
PORT 2 - 5G/LTE from 650MHz to 950MHz



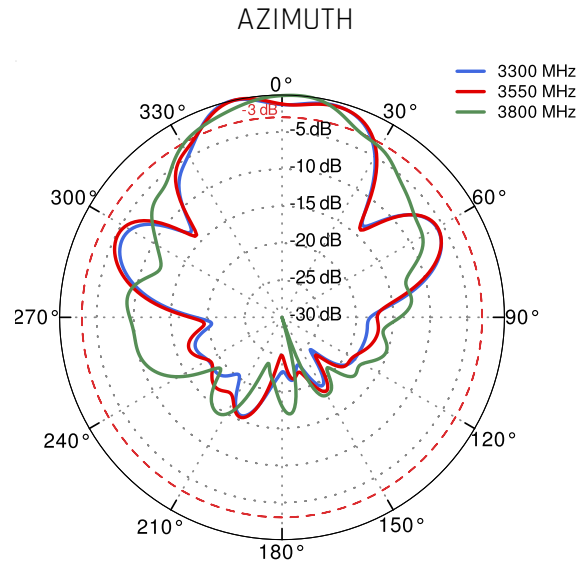
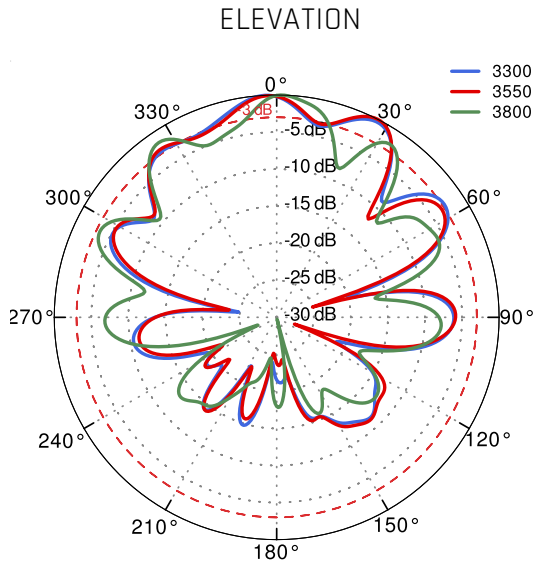
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



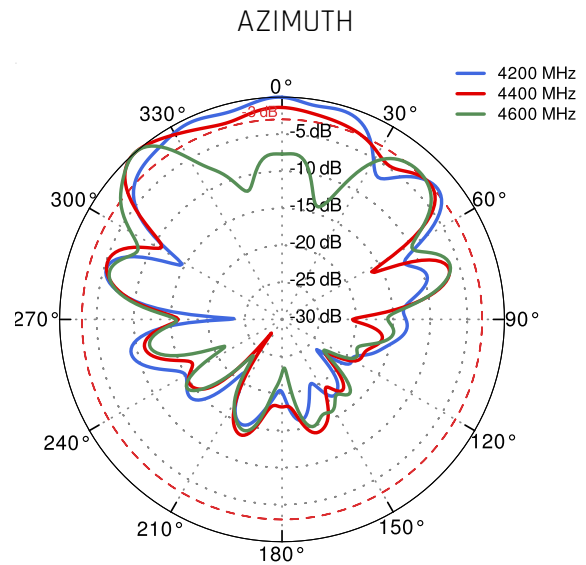
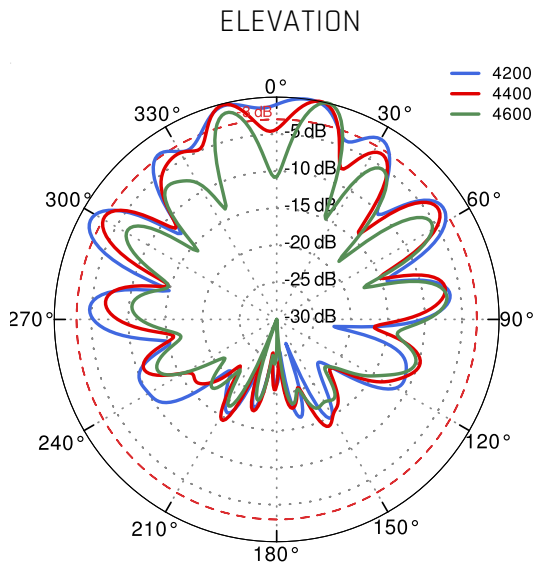
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



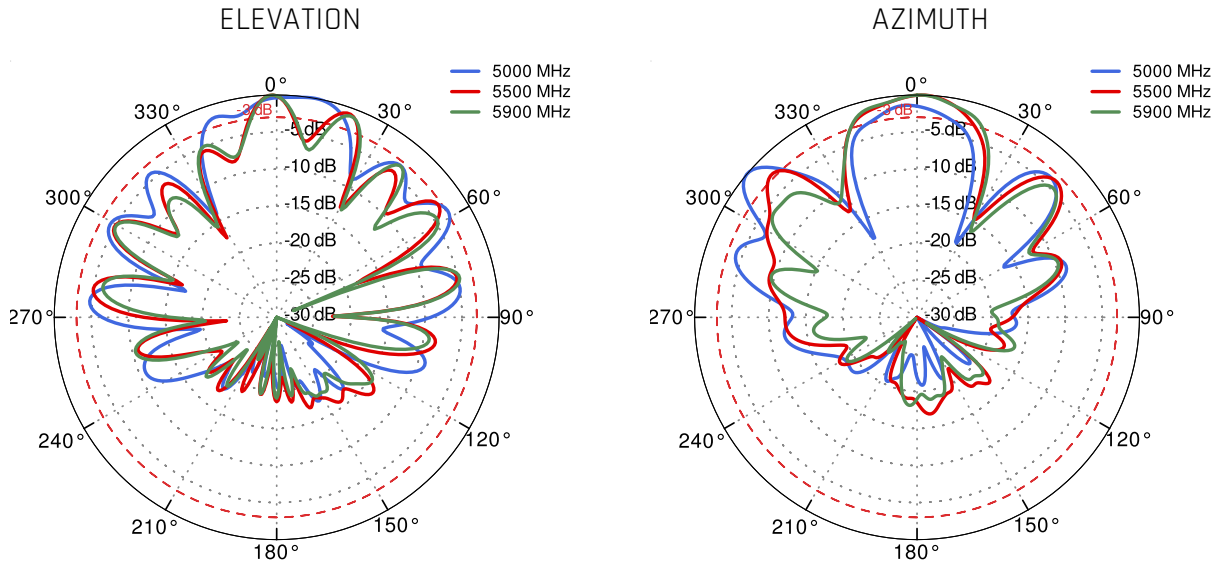
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



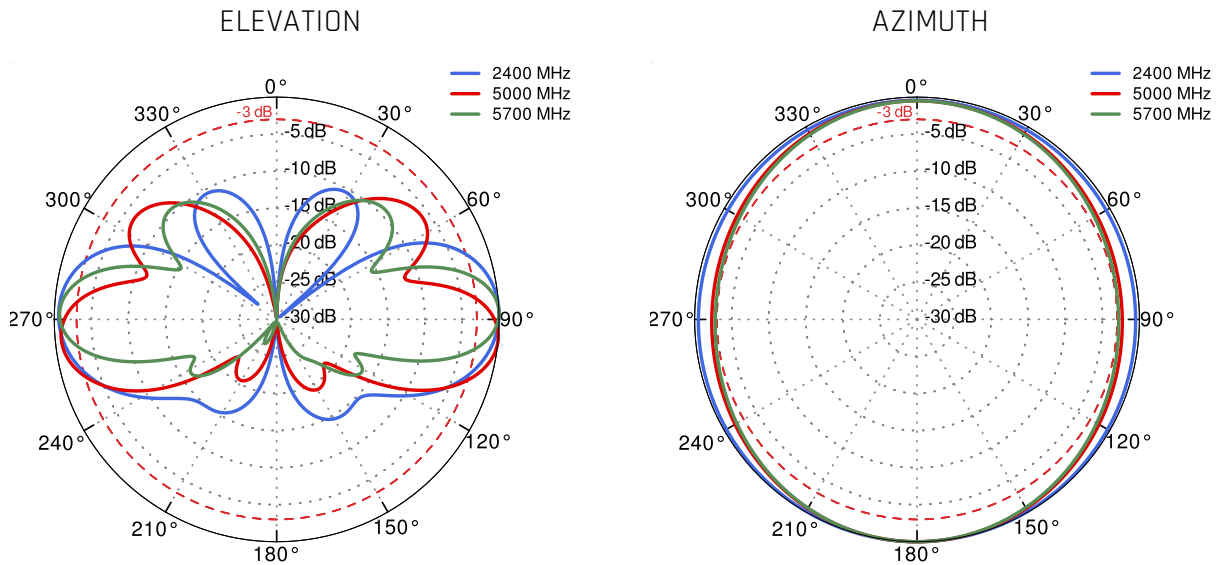
PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



PORT 2 - 5G/LTE from 5.0GHz to 5.9GHz



Wi-Fi From 2.4 GHz to 6.5 GHz



DIMENSIONS

