

QuMax for Teltonika RUT956/RUT955 ver. US (Band71)

INTEGRATED MULTI-BAND 5G DIRECTIONAL ANTENNA + WI-FI OMNI ANTENNA + GPS ACTIVE ANTENNA + PLACE TO INSTALL TELTONIKA RUT986/RUT976/RUT956/RUT955/RUT906 (ALL-IN-ONE)

QuMax for **RUT956/RUT955 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 RUT986, RUT976, RUT956, RUT955 or RUT906** router installed inside IP68 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also GPS antenna and Wi-Fi omni antennas.**



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP68



MOUNTING SYSTEM WITH TWO PLANES, 60 DEGREES REGULATION



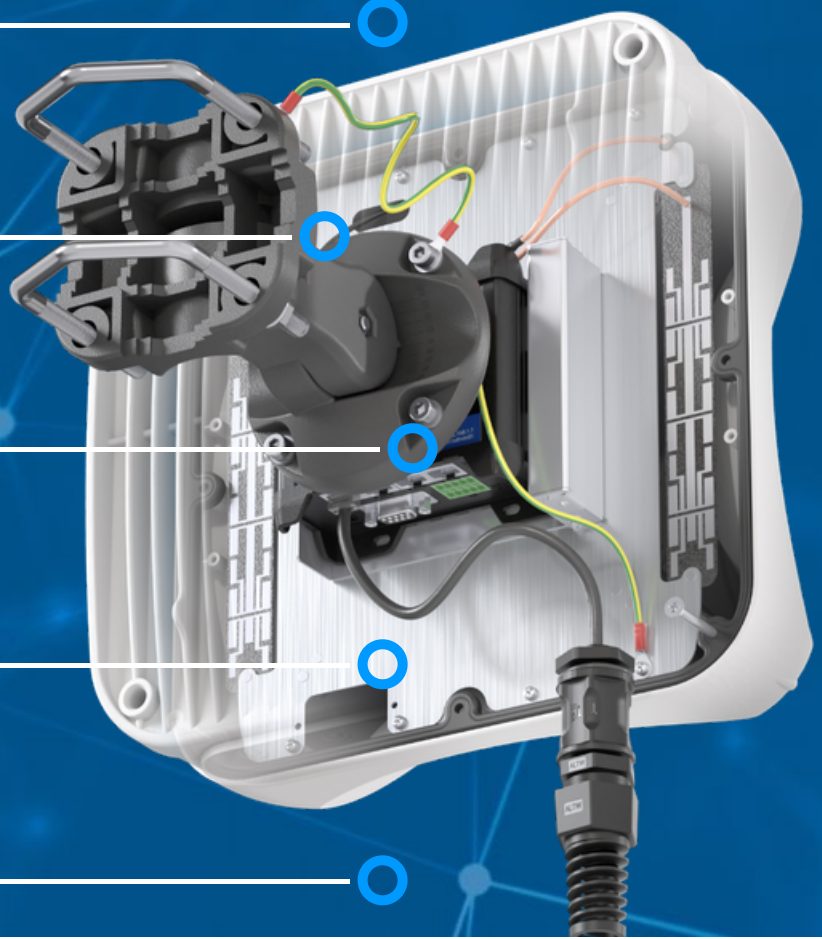
WIDE BAND 600-6000MHZ, 5G TECHNOLOGY



ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN EUROPE



5G / LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.6 GHz 4.7 - 6.0 GHz
GAIN	617 - 960 MHz : 6 dBi 1.7 - 2.7 GHz : 7 dBi 3.3 - 4.6 GHz : 7 dBi 4.7 - 6.0 GHz : 5.5dBi
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	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	2.5-6.5mA
IMPEDANCE	50 Ω
POLARIZATION	RHCP (right hand circularly polarized)

CONNECTOR

1x SMA

CABLE TYPE

RG174

MECHANICAL SPECIFICATION

MATERIALS

ABS, aluminum, PTFE, fiberglass

CONNECTOR TYPE

RJ45

INGRESS PROTECTION

IP68

DIMENSIONS

27.0 x 27.6 x 19.5 ± 1.0 cm
10.63 x 10.86 x 7.67 ± 0.39 inch

NET WEIGHT

2,22 ± 0.2 kg
4.89 ± 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

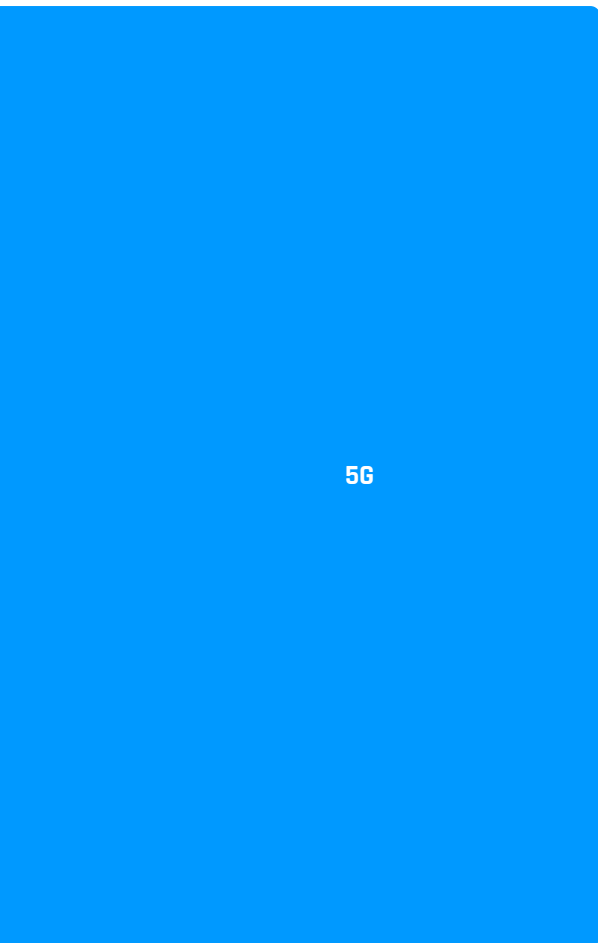
MOUNTING PLACE

Wall or ceiling or mast

FREQUENCY BANDS

LTE / 4G

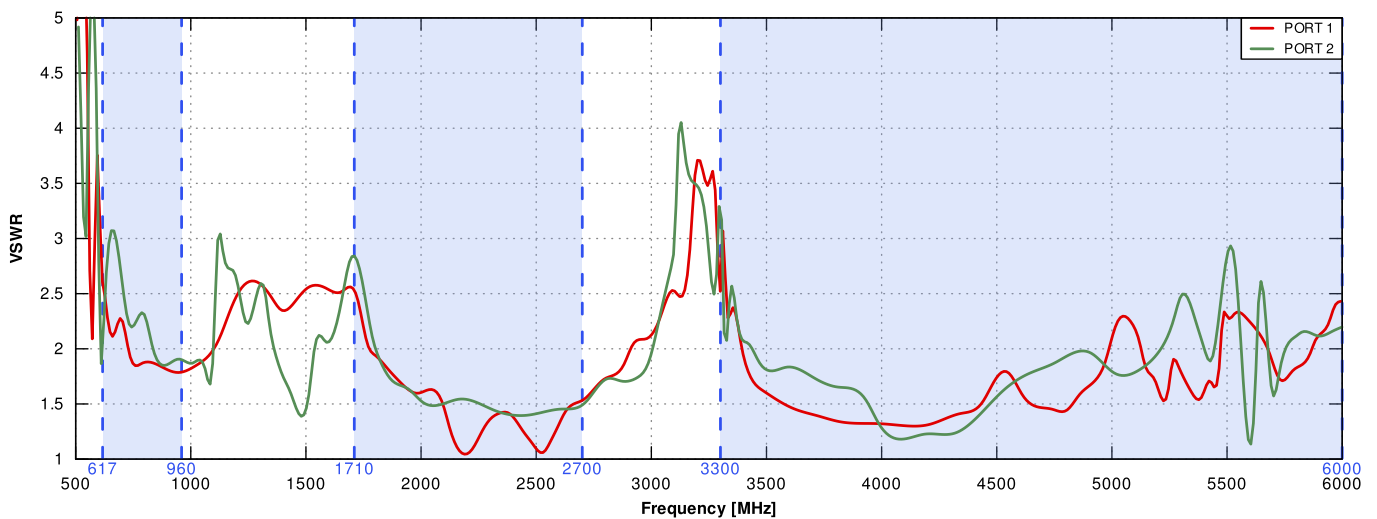
	1	2	3	4	5	6	7	
	8	9	10	11	12	13	14	
	17	18	19	20	21	22	23	
	24	25	26	27	28	29	30	
617	32	33	34	35	36	37	38	6000
MHz	39	40	41	42	43	44	45	MHz
	46	47	48	49	50	51	52	
	53	54	55	56	57	58	59	
	70	71	74	75	76	85	103	
	106	111	252	253	254	255	256	



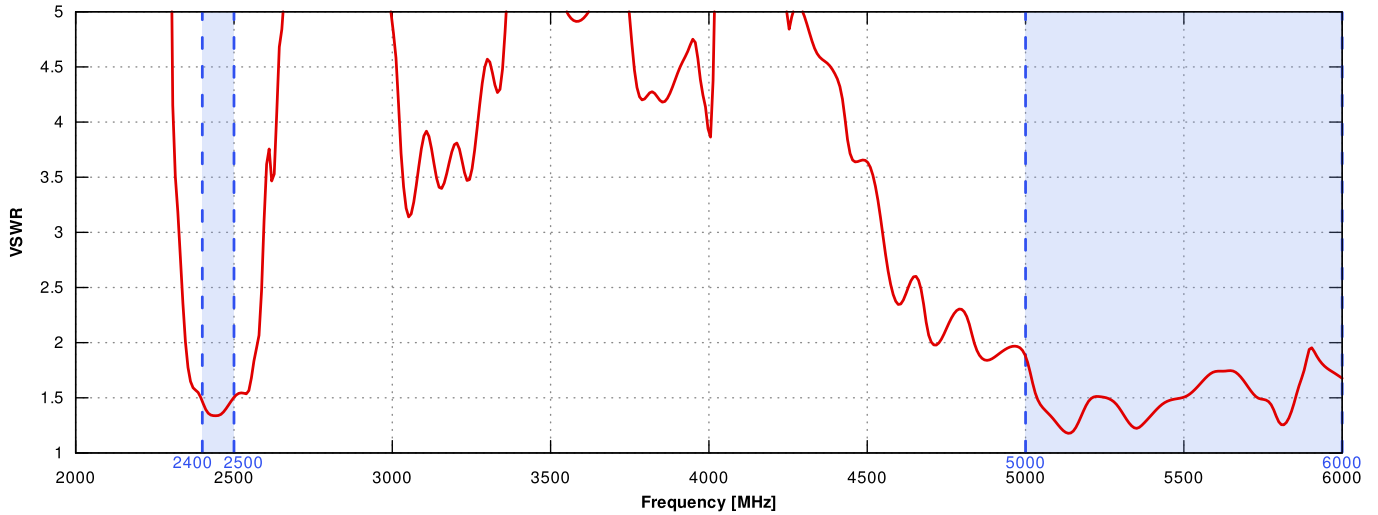
n1	n2	n3	n5	n7	n8	n12		
n13	n14	n18	n20	n24	n25	n26		
n28	n29	n30	n34	n38	n39	n40		
n41	n46	n47	n48	n50	n51	n53		
61	n54	n65	n66	n67	n68	n70	n71	60
7	n74	n75	n76	n77	n78	n79	n80	00
M	n81	n82	n83	n84	n85	n86	n89	M
H	n90	n91	n92	n93	n94	n95	n97	Hz
Z	n98	n99	n100	n101	n106	n109	n110	
	n250	n251	n252	n253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

PLOTS

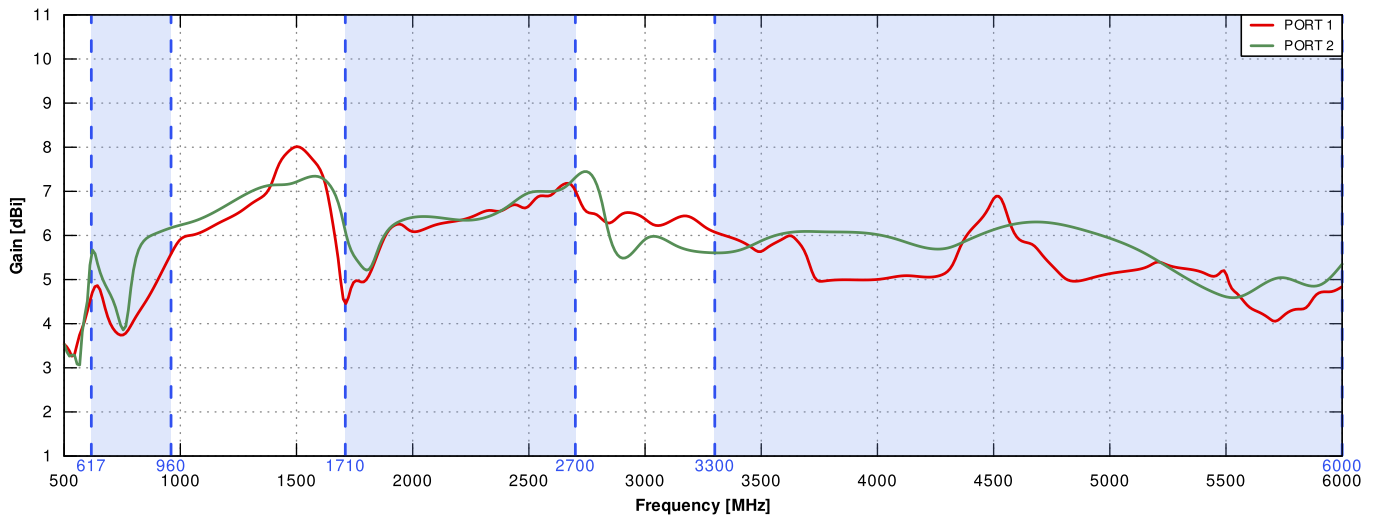
LTE VSWR



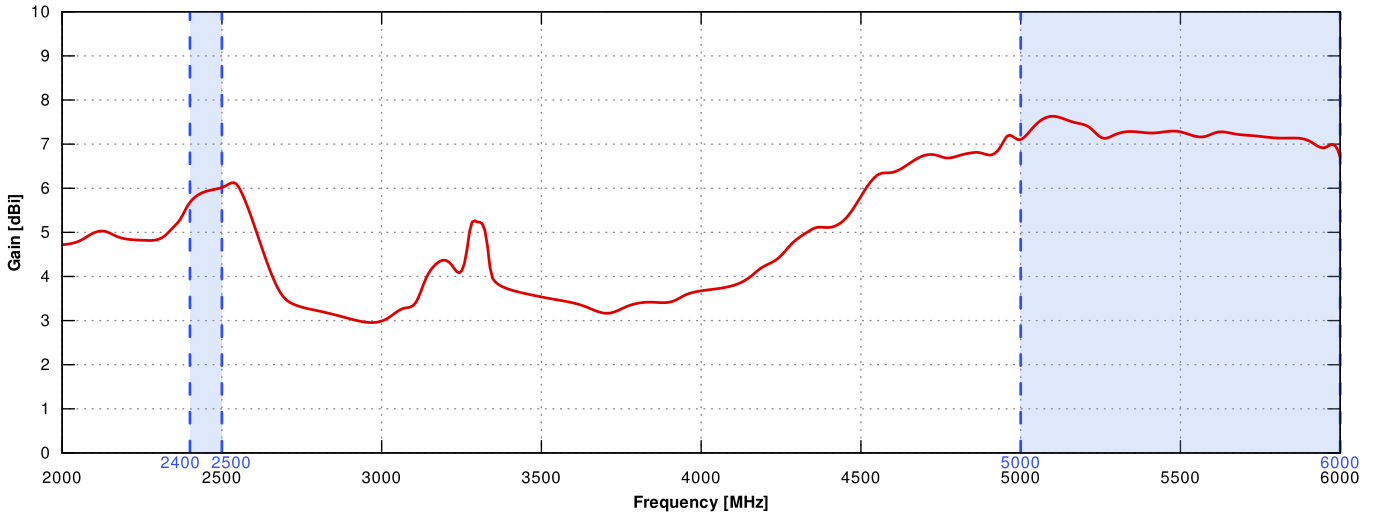
WI-FI VSWR



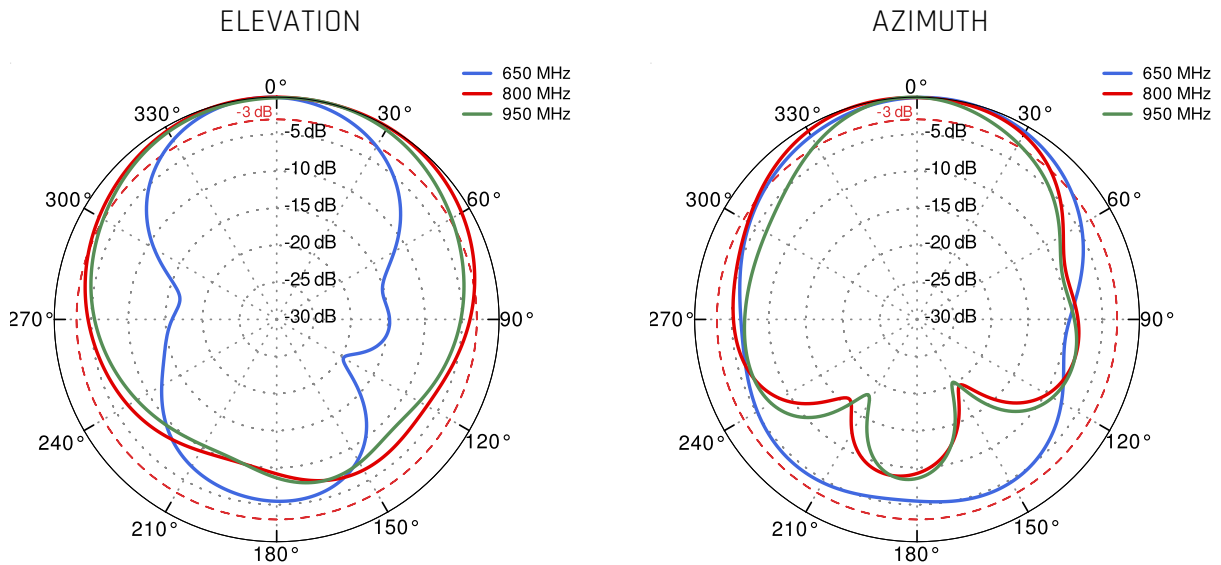
LTE Gain



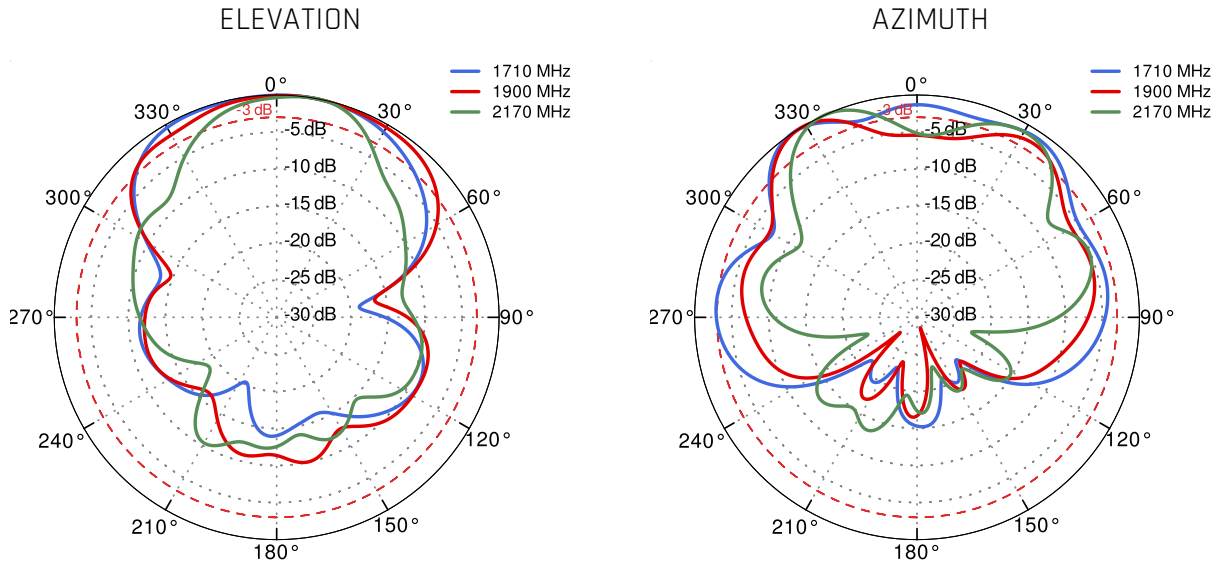
WI-FI Gain



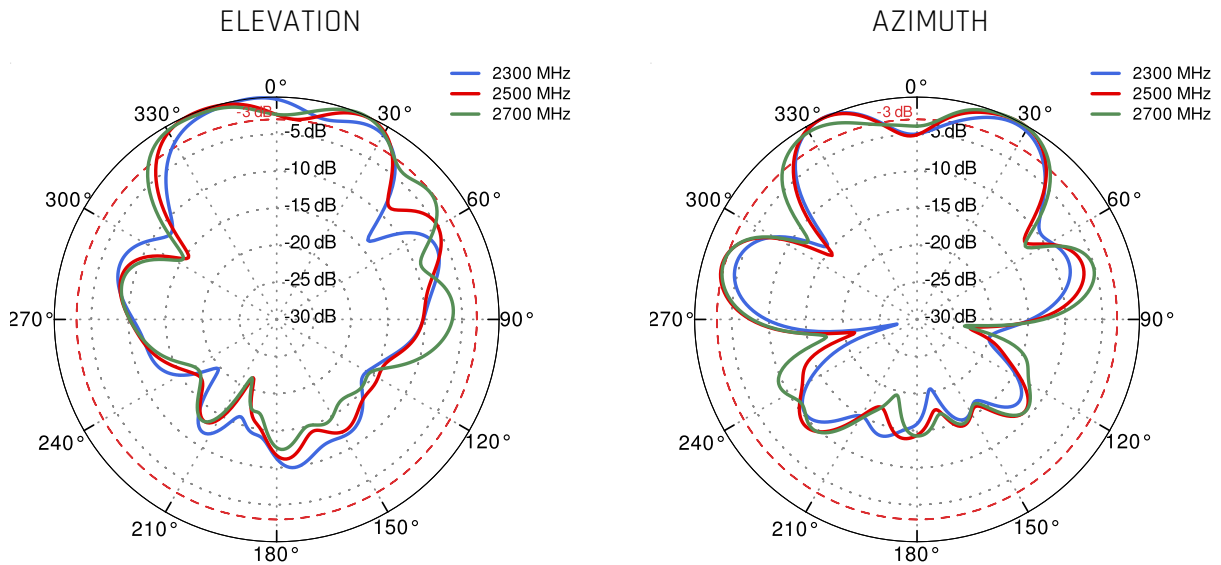
PORT 1 - 5G/LTE from 650MHz to 950MHz



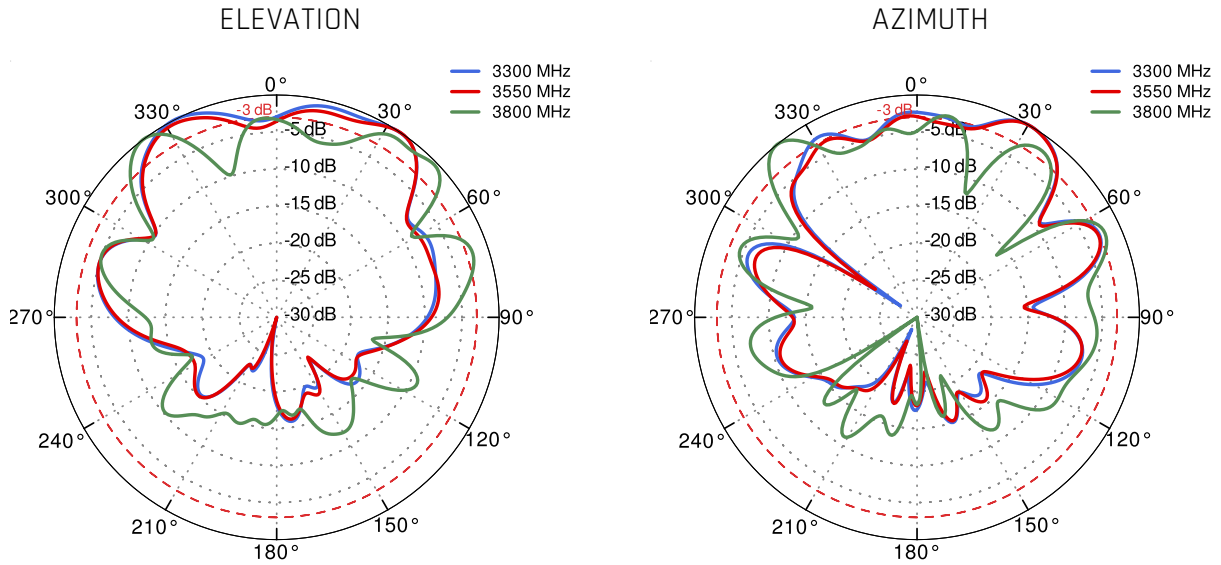
PORT 1 - 5G/LTE from 1.71GHz to 2.17GHz



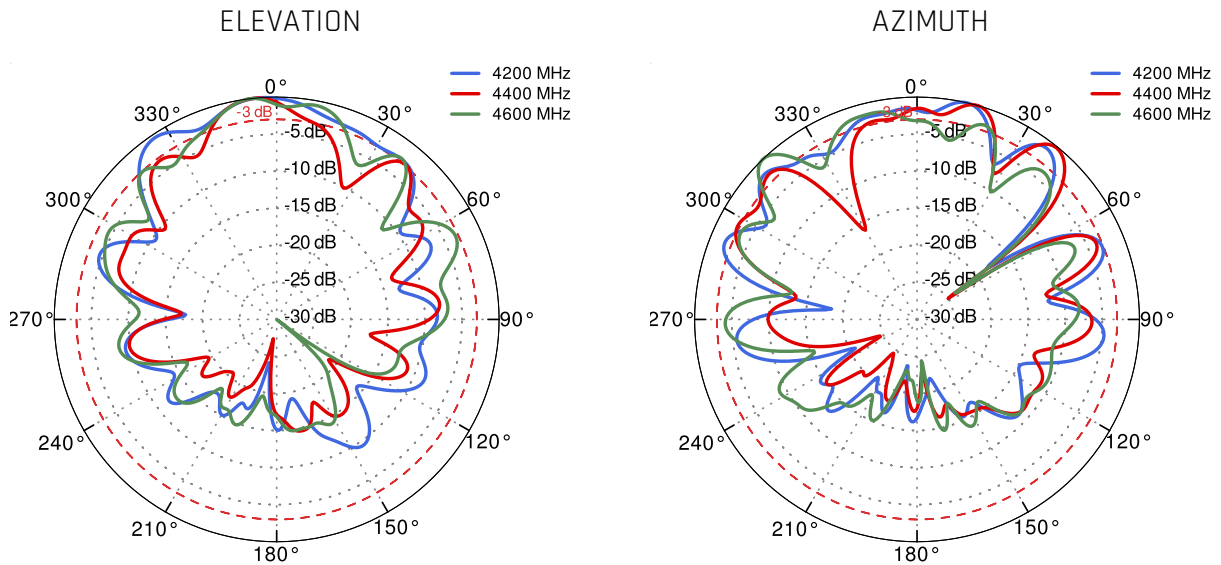
PORT 1 - 5G/LTE from 2.3GHz to 2.7GHz



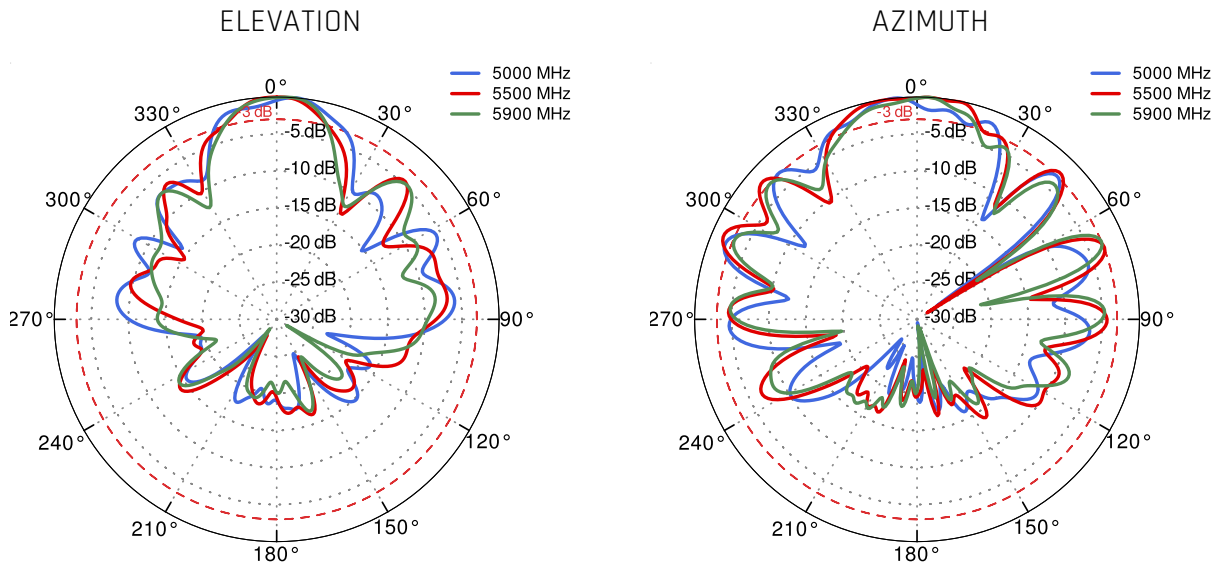
PORT 1 - 5G/LTE from 3.3GHz to 3.8GHz



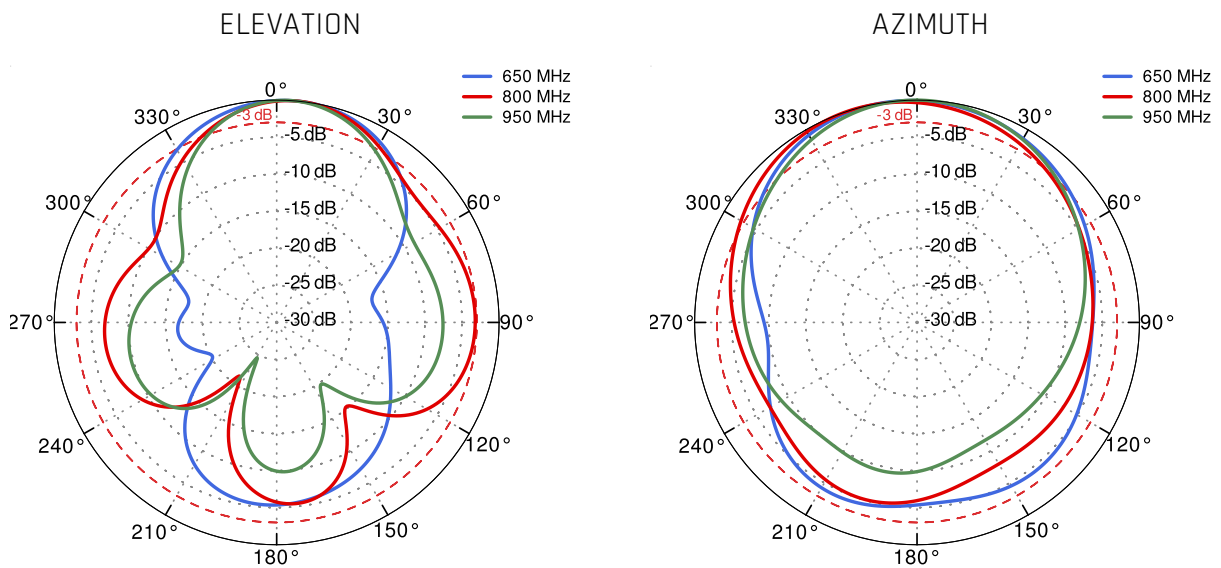
PORT 1 - 5G/LTE from 4.2GHz to 4.6GHz



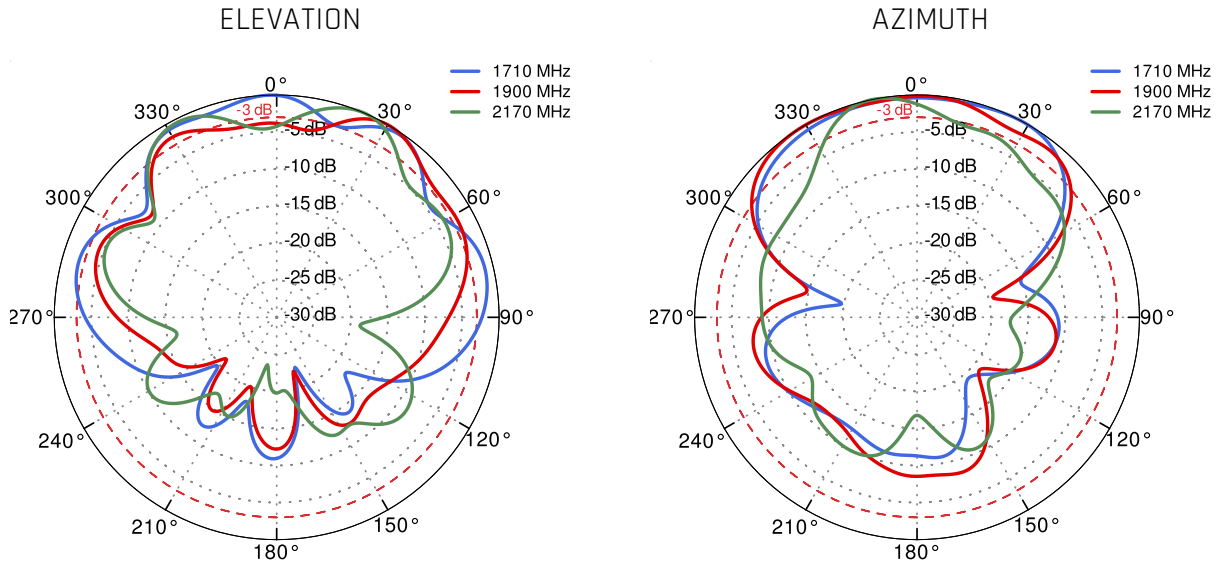
PORT 1 - 5G/LTE from 5.0GHz to 5.9GHz



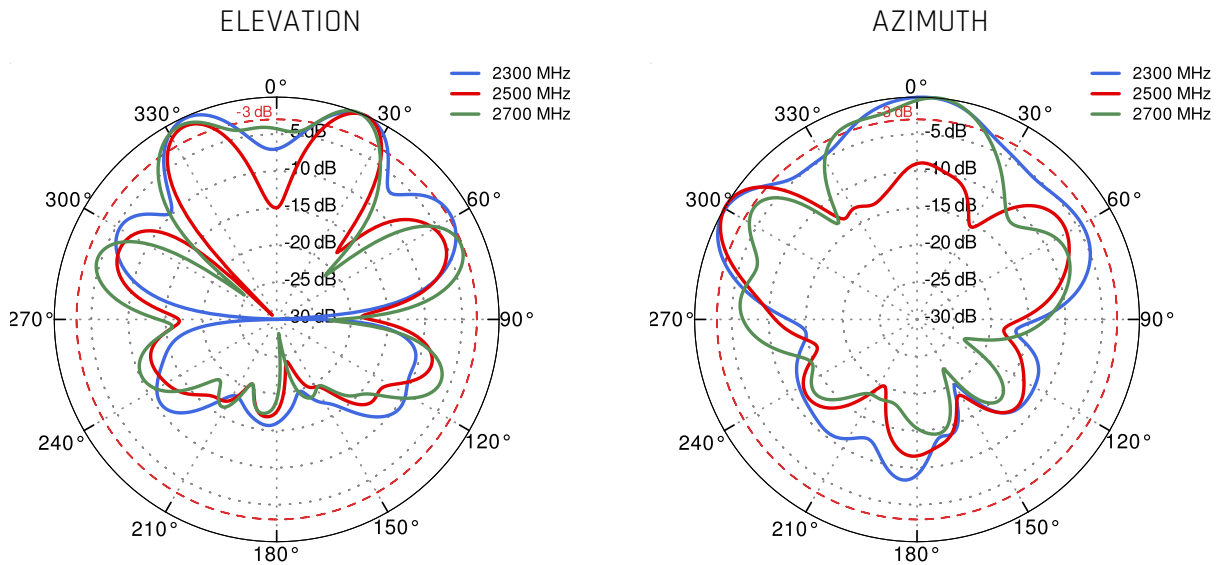
PORT 2 - 5G/LTE from 650MHz to 950MHz



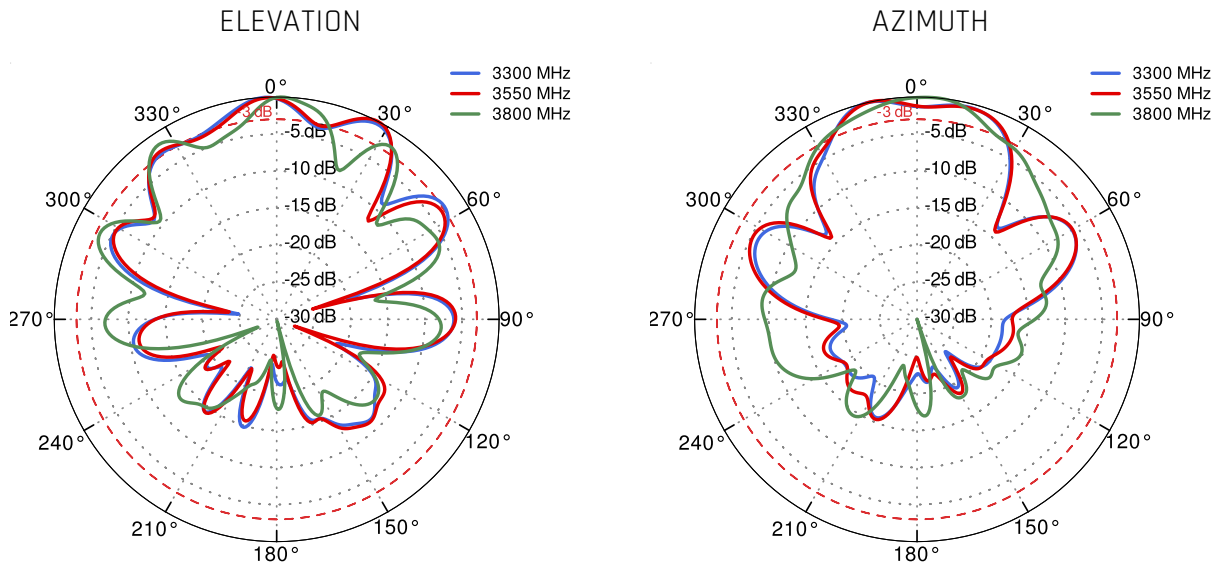
PORT 2 - 5G/LTE from 1.71GHz to 2.17GHz



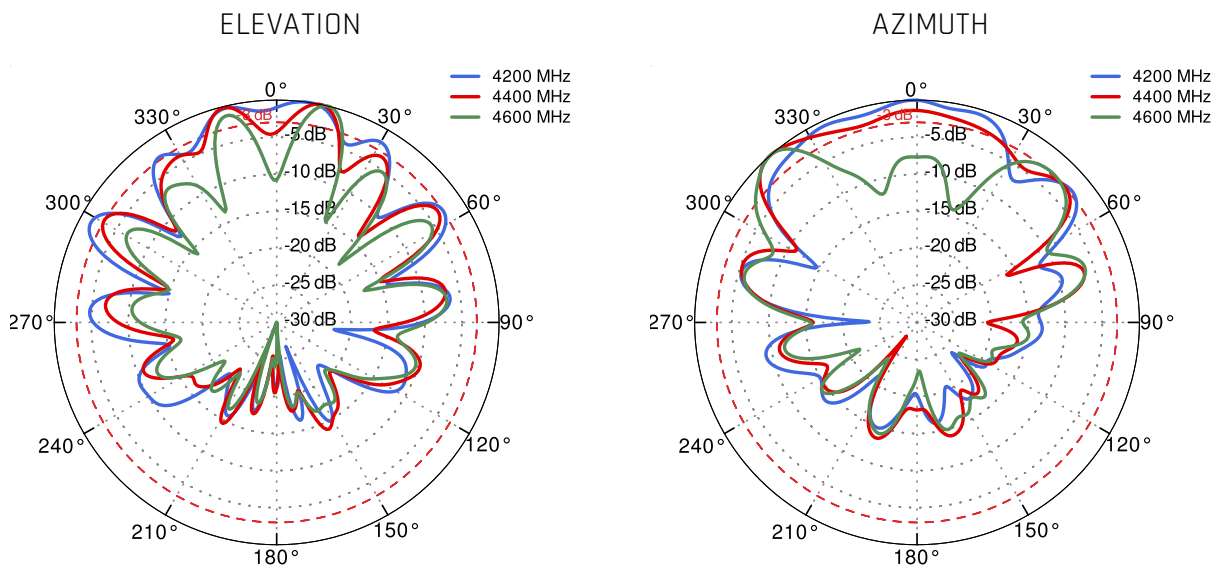
PORT 2 - 5G/LTE from 2.3GHz to 2.7GHz



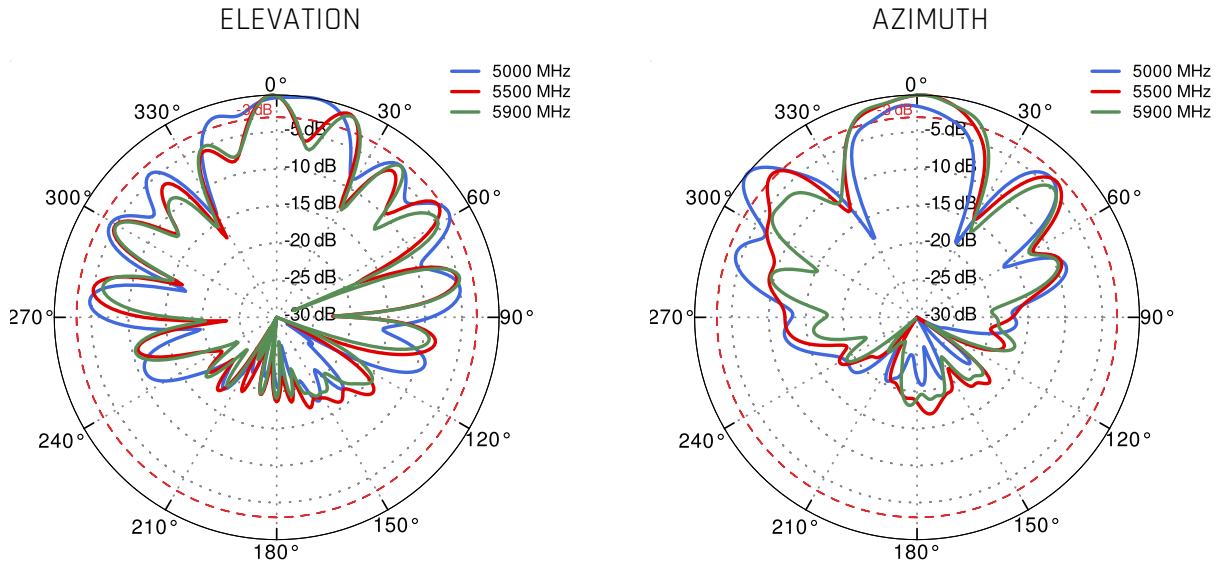
PORT 2 - 5G/LTE from 3.3GHz to 3.8GHz



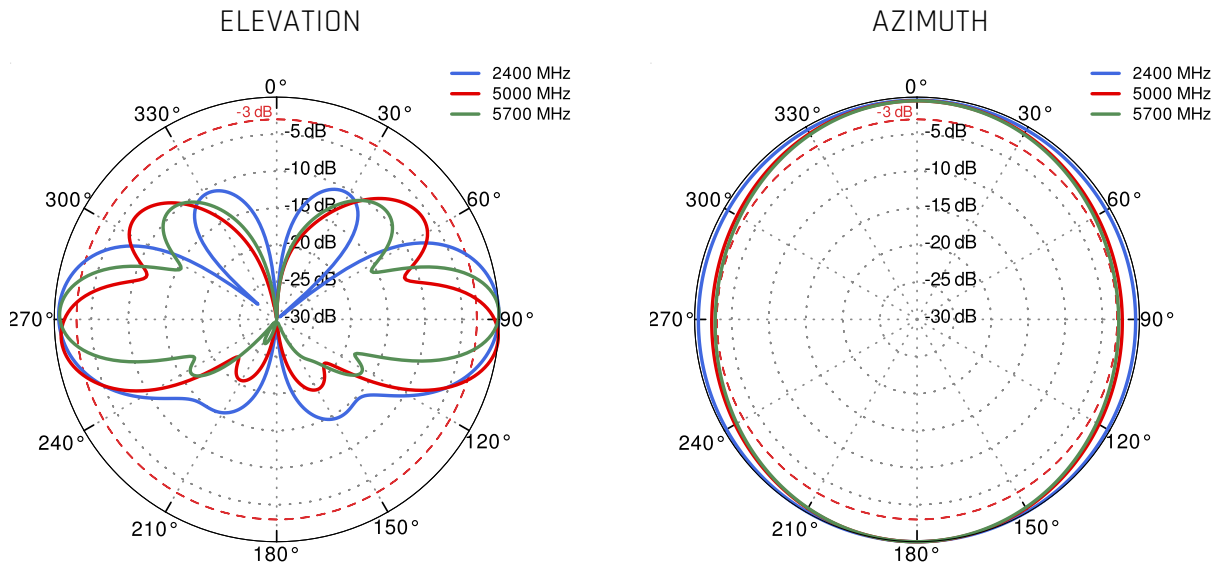
PORT 2 - 5G/LTE from 4.2GHz to 4.6GHz



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



Wi-Fi From 2.4 GHz to 6.5 GHz



DIMENSIONS

