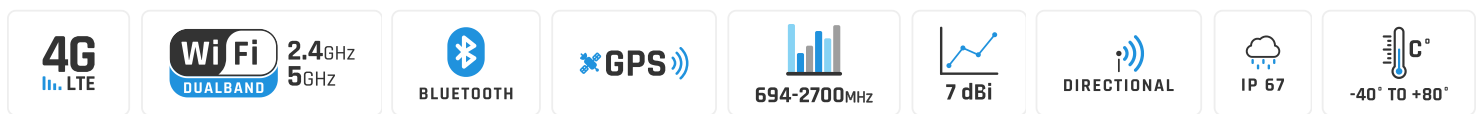


# QuMax for Teltonika RUTX11

**Integrated outdoor LTE high power directional antenna + outdoor Wi-Fi dual band 2.4 & 5 GHz omni antenna + Bluetooth antenna + GPS antenna + place to install Teltonika RUTX11 (All-in-one)**

QuMAX offers the most powerful directional LTE antenna of all QuWireless antennas. It is dedicated to connections with long distance to base station. It is designed to have Teltonika **RUTX11** router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment. It also has embedded GPS antenna, Bluetooth antenna and outdoor Wi-Fi dual band 2.4 & 5 GHz omni antennas.

This product is also compatible with **RUTM11**. If used with RUTM11, the Bluetooth antenna is unused.



ALL ANTENNAS AND TELTONIKA ROUTER INTEGRATED **IN ONE ENCLOSURE**



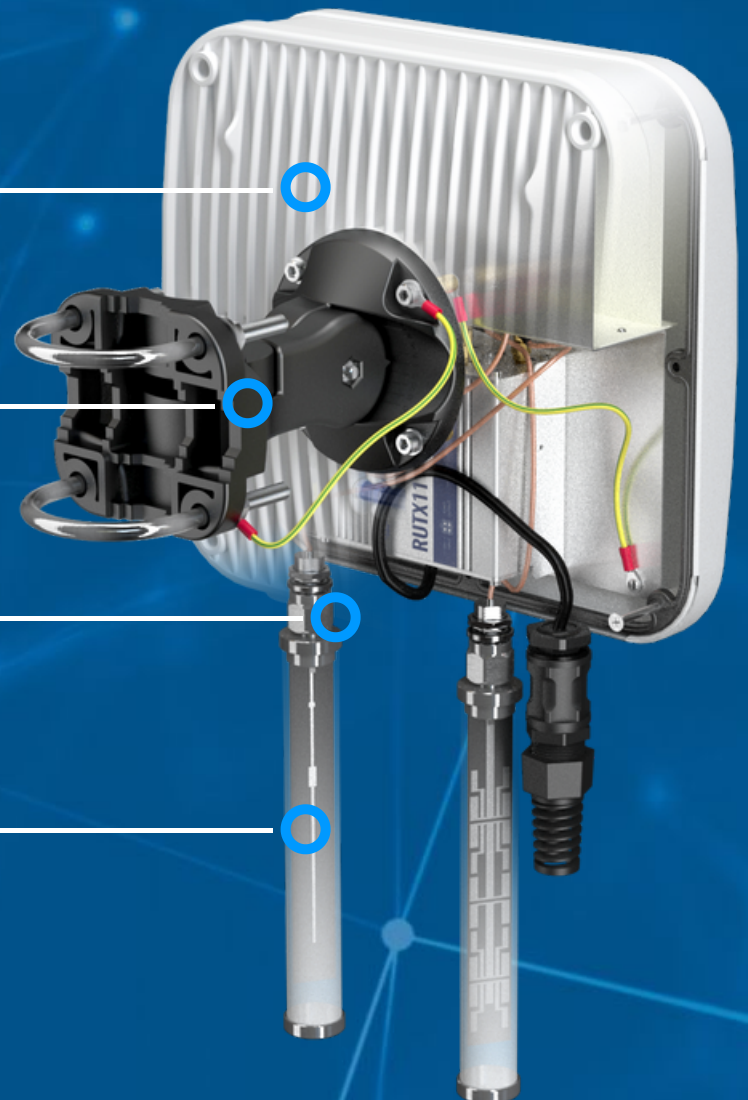
OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP67



ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



MADE IN **EUROPE**



## LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	0.694 - 0.96 GHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
<b>SUPPORTED LTE/5G BANDS</b>	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 85, 103, n80, n81, n82, n83, n84, n85, n89, n90, n95, n97, n98, n100, n101, n256
<b>GAIN</b>	0.694 - 0.96 GHz : 4 dBi 1.7 - 2.2 GHz : 5 dBi 2.2 - 2.7 GHz : 6 dBi
<b>FRONT-TO-BACK</b>	>8 dB
<b>VSWR</b>	<1.30, max <1.80
<b>BEAMWIDTH</b>	90°/90° ±30°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## **WI-FI ANTENNA SPECIFICATION**

<b>FREQUENCY</b>	2.4 - 2.5 GHz 4.70 - 6.00 GHz
<b>GAIN</b>	2.40 - 2.50 GHz : 6 dBi 4.70 - 6.00 GHz : 7 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## **BLUETOOTH ANTENNA SPECIFICATION**

<b>FREQUENCY</b>	2.30 - 2.50 GHz
<b>GAIN</b>	3 dBi
<b>VSWR</b>	<1.70, max <2.00
<b>BEAMWIDTH</b>	360°/25° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, Fiberglass
<b>CONNECTOR TYPE</b>	RJ45 + 2xNf + 2xNm in external omni wi-fi antenna
<b>INGRESS PROTECTION</b>	IP67
<b>DIMENSIONS</b>	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
<b>WEIGHT</b>	1.8 kg 3.97 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 80°C From -40°F to 176°F
<b>ENCLOSURE RECOMMENDED TIGHTENING TORQUE</b>	0.6 - 0.8 Nm
<b>MAST DIAMETER</b>	25-66mm 0.98-2.60 inch

# FREQUENCY BANDS

**LTE/4G GSM**

694 MHz	5	8	12	13	14	17	18	960M Hz
	19	20	26	27	28	29	44	
	67	68	85	103	n81	n82	n83	
	n89	n100						

**LTE/4G UMTS**

1710 MHz	1	2	3	4	9	10	25	2170 MHz
	33	34	35	36	37	39	n80	
	n84	n86	n95	n98	n101			

**LTE/4G WCS DARS**

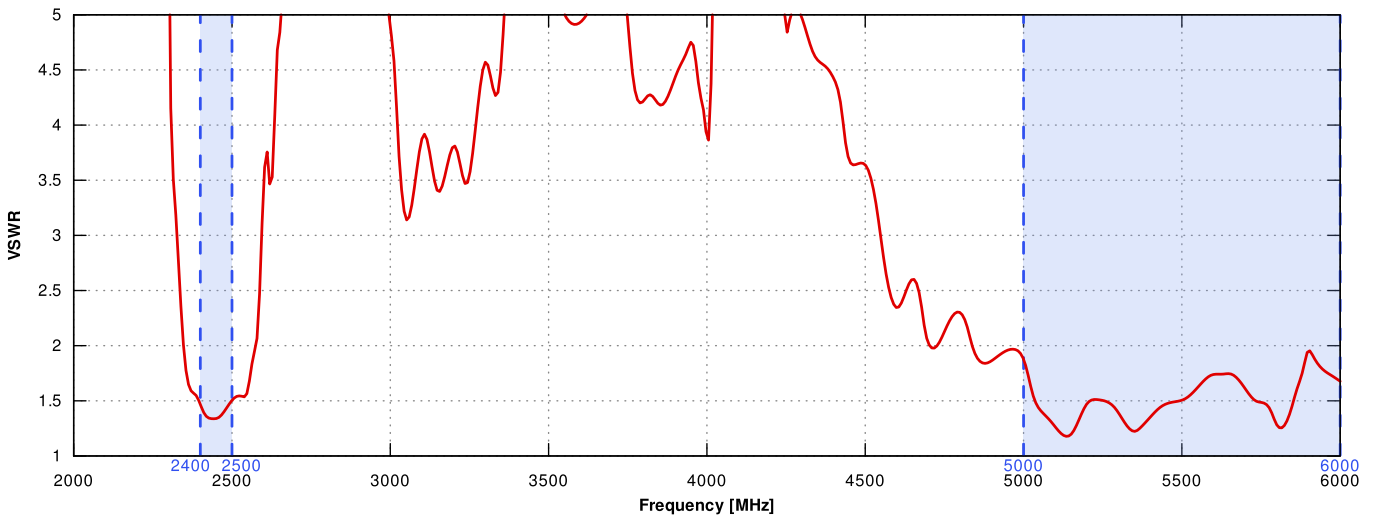
2300 MHz	30	40	n97					2400 MHz
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**LTE/4G**

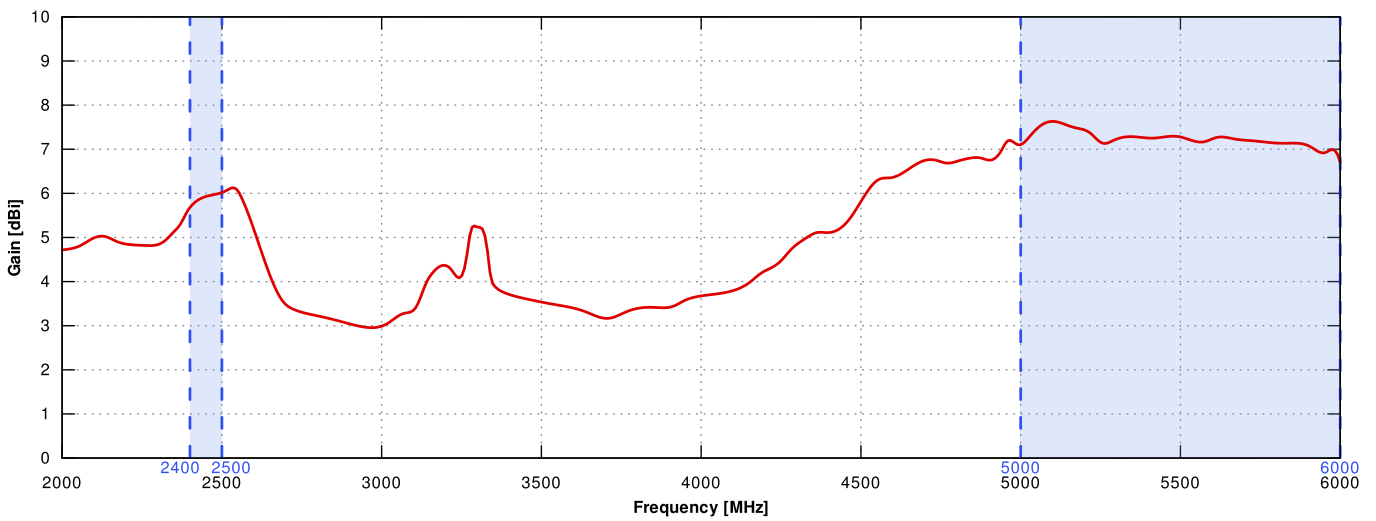
2400 MHz	7	38	41	53	69	n90		2700 MHz
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## **PLOTS**

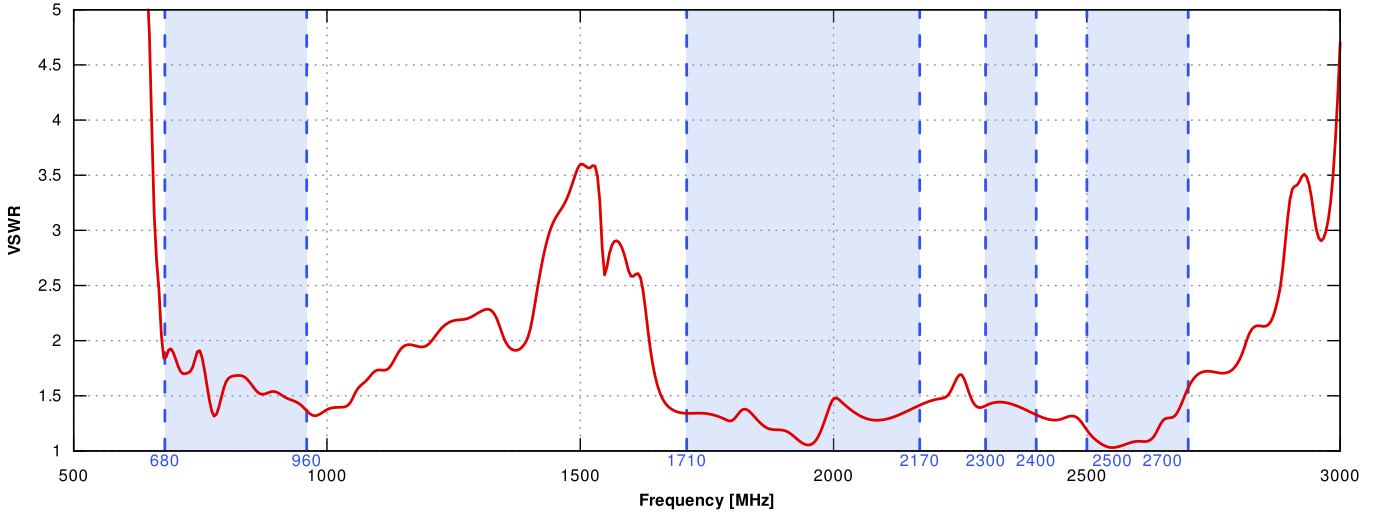
### VSWR for Wi-Fi antenna



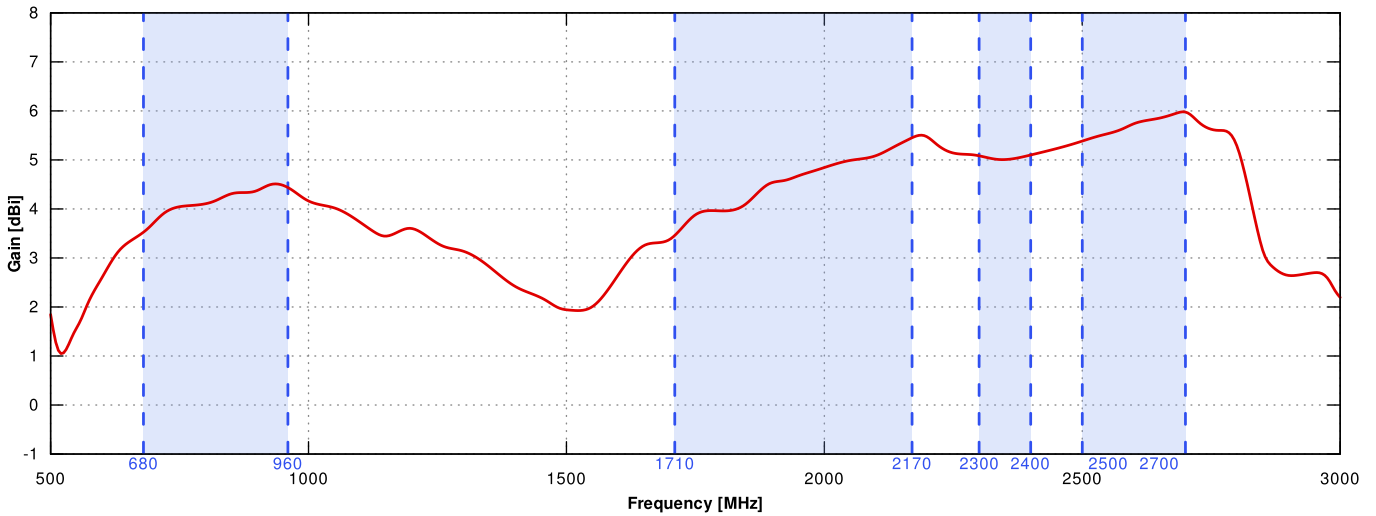
### Gain for Wi-Fi antenna



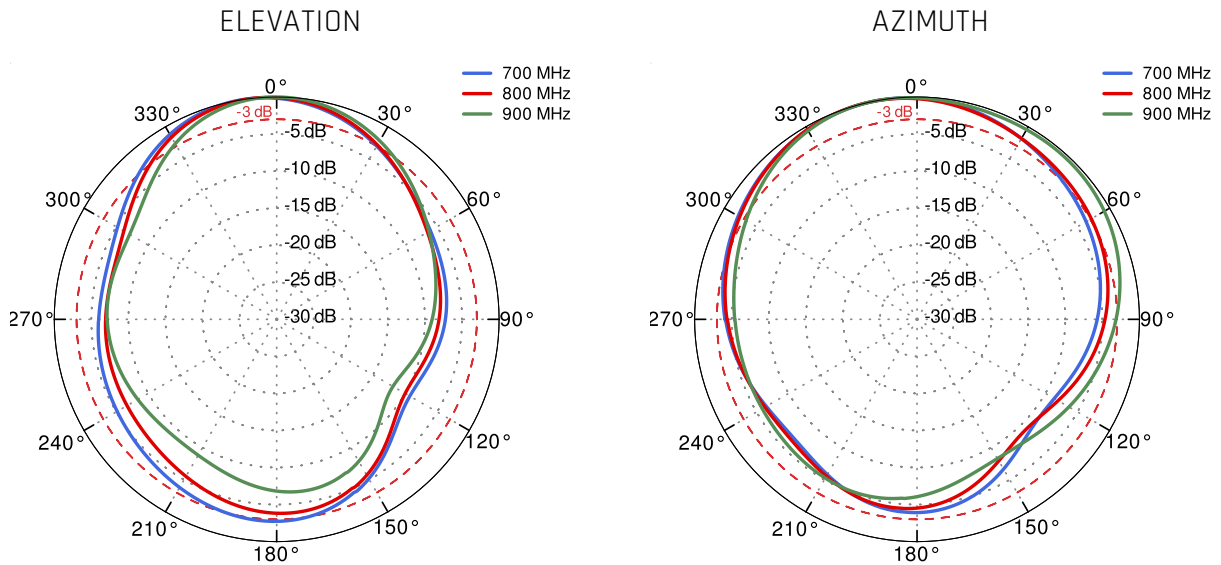
VSWR for LTE antenna



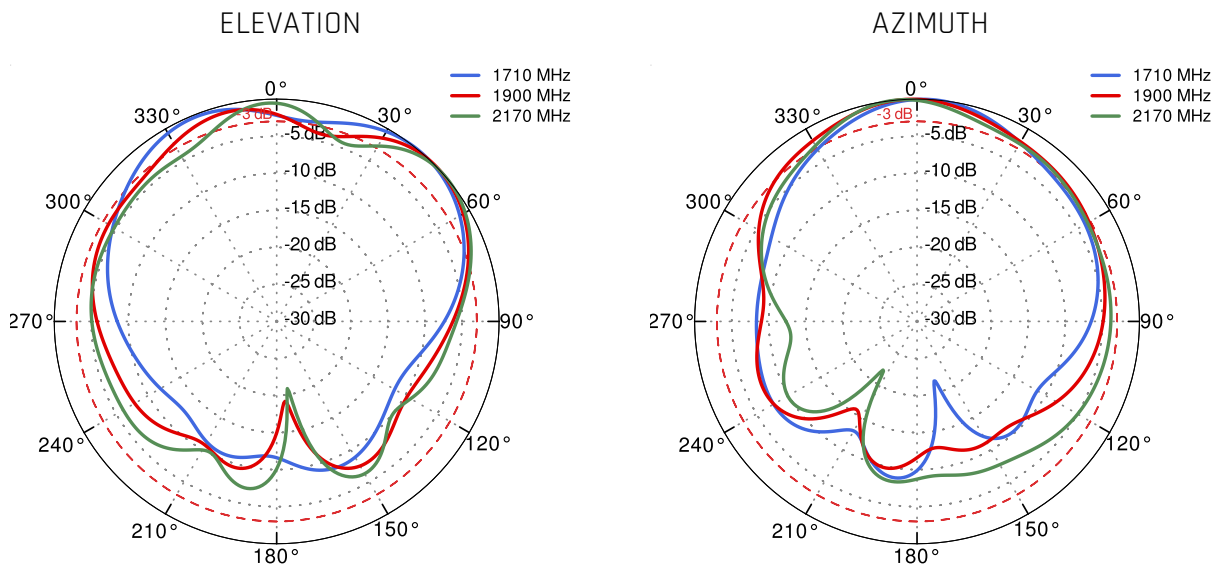
Gain for LTE antenna



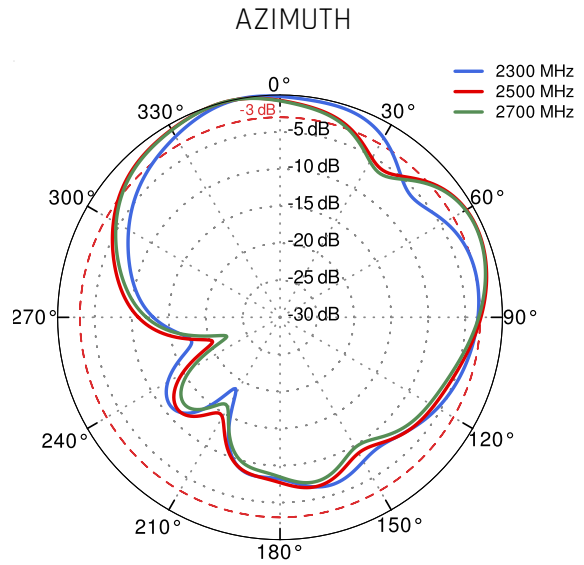
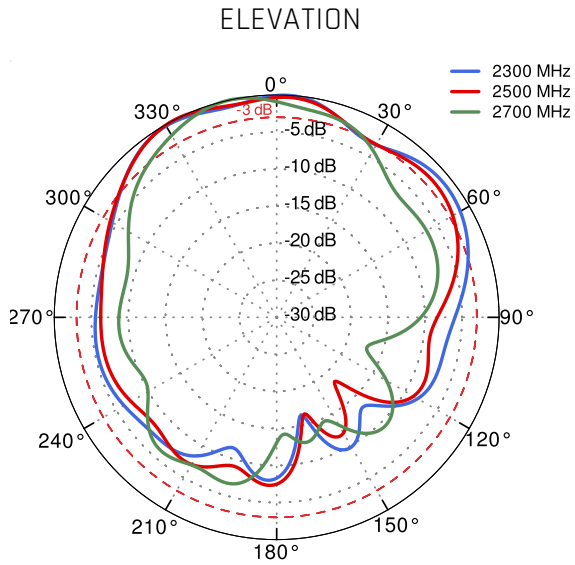
### LTE from 700MHz to 900MHz



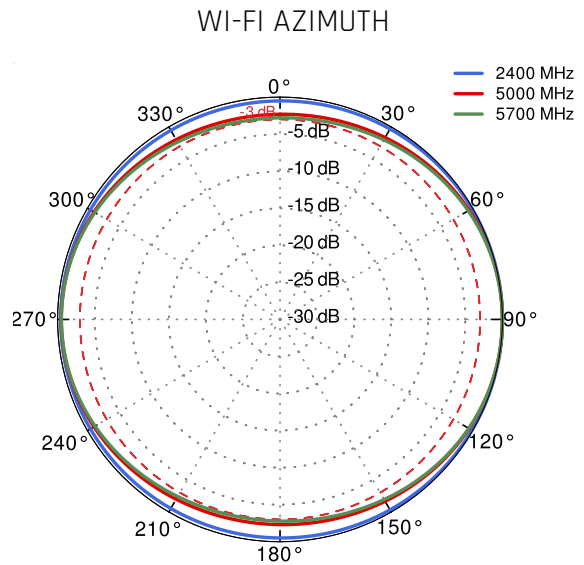
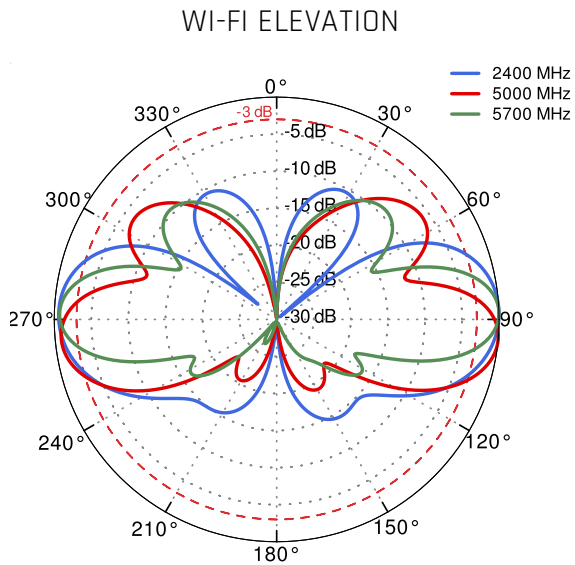
### LTE from 1.71GHz to 2.17GHz



## LTE from 2.3GHz to 2.7GHz



## Wi-Fi 2.4GHz and 5GHz



## **DIMENSIONS**

