

# QuMax for RUT2xx

**Integrated outdoor multi band high power LTE directional antenna + outdoor Wi-Fi omni antenna + place to install Teltonika RUT260/RUT241/RUT240/RUT200/RUT230 (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 **RUT260, RUT241, RUT240, RUT230** or **RUT200** router installed inside IP67 enclosure. It is the first choice for fixed installations in industrial environment. **It has embedded also outdoor Wi-Fi omni antennas.**

NOTE: For RUT230 one LTE antenna is unplugged.

**4G**  
LTE**Wi Fi** 2.4GHz  
694-2700MHz  
6 dBi  
DIRECTIONAL  
IP 67  
-40° TO +80°

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



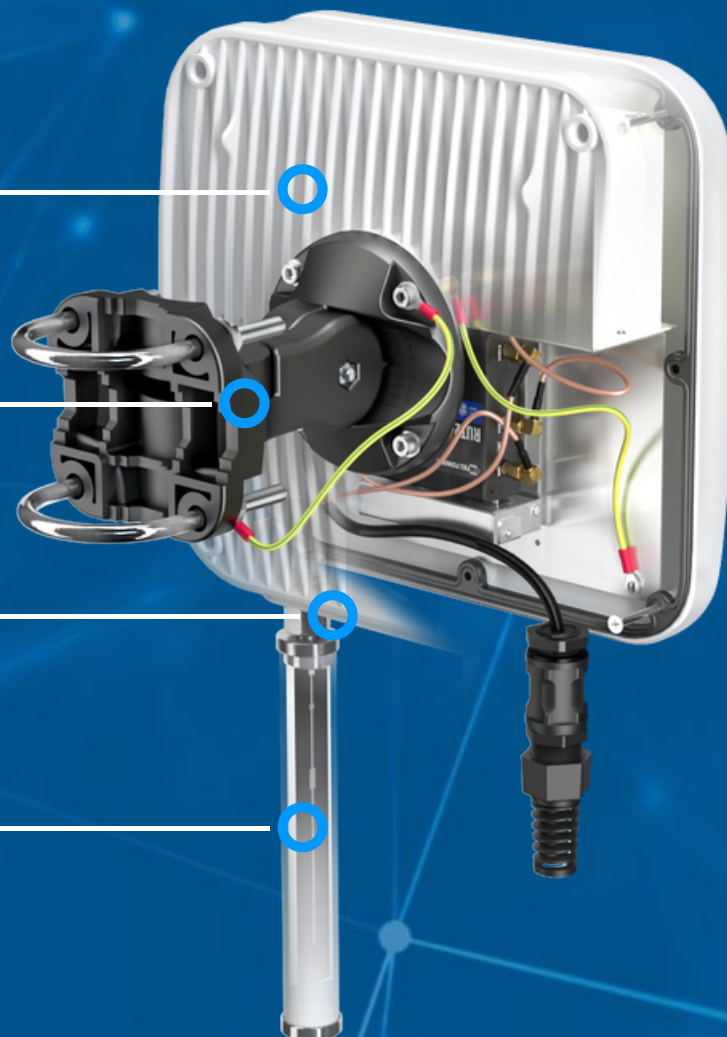
ANTENNA **PERFECTLY MATCHED** WITH  
THE ROUTER



PASSIVE **POE** SUPPORT



MADE IN **EUROPE**



## LTE ANTENNA SPECIFICATION

FREQUENCY	694 - 960 MHz 1.7 - 2.2 GHz 2.2 - 2.7 GHz
SUPPORTED LTE/5G BANDS	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, n86, n89, n90, n95, n97, n98, n100, n101, n256
GAIN	694 - 960 MHz : 4 dBi 1.7 - 2.2 GHz : 5 dBi 2.2 - 2.7 GHz : 6 dBi
VSWR	<1.30, max <1.8
BEAMWIDTH	90°/90° ±30°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## WI-FI ANTENNA SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz
GAIN	6 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
CONNECTOR TYPE	RJ45 + Nf + Nm in external omni Wi-Fi antenna
INGRESS PROTECTION	IP67
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	25-60mm 0.98-2.36 inch

## FREQUENCY BANDS

LTE / 4G GSM	694 MHz	5	8	12	13	14	17	18	19	20	26	27	28	29	44	67	68	85	103	n81	n82	n83	n89	n100	960 MHz
LTE / 4G UMTS	1710 MHz	1	2	3	4	9	10	25	33	34	35	36	37	39	n80	n84	n86	n95	n98	n101					2170 MHz

**LTE / 4G WCS DARS**

2300  
MHz

30

40

n97

2400  
MHz

**LTE / 4G**

2400  
MHz

7

38

41

53

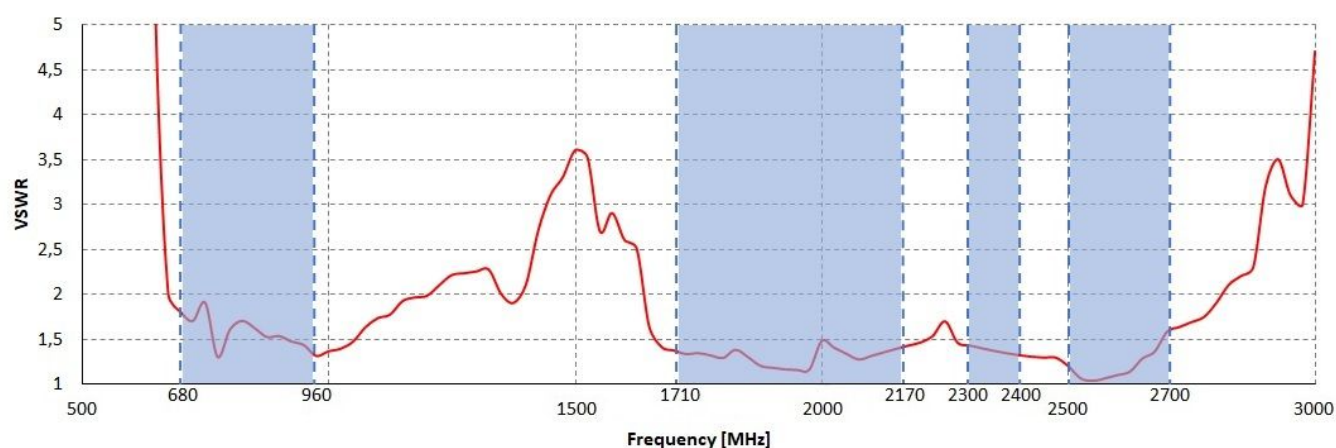
69

n90

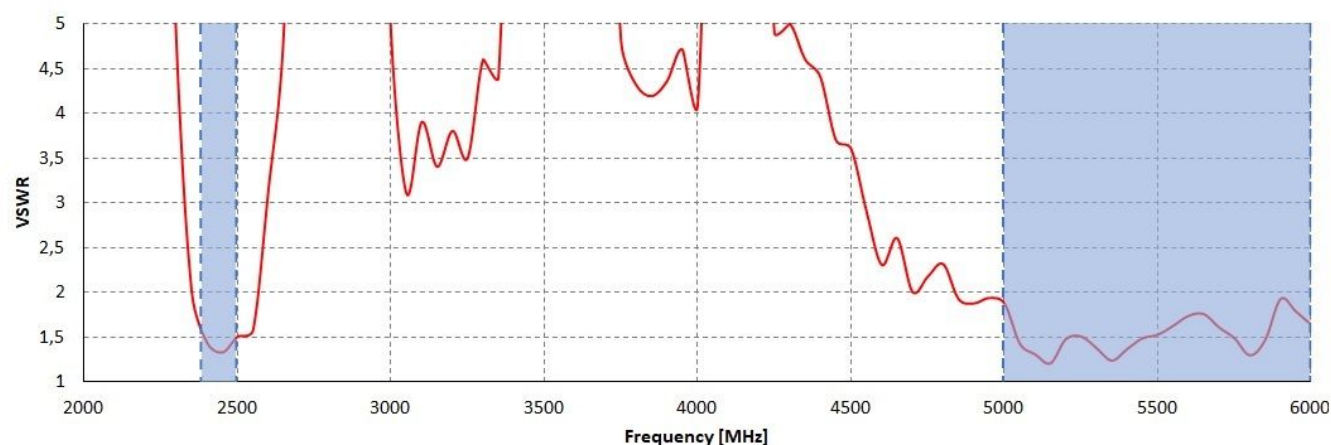
2700  
MHz

## PLOTS

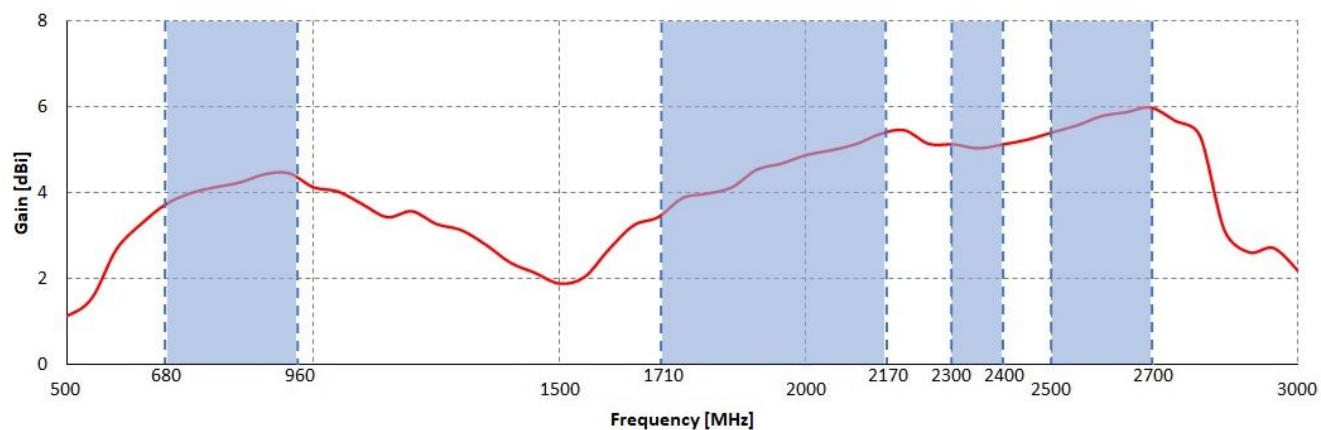
VSWSR for LTE antenna



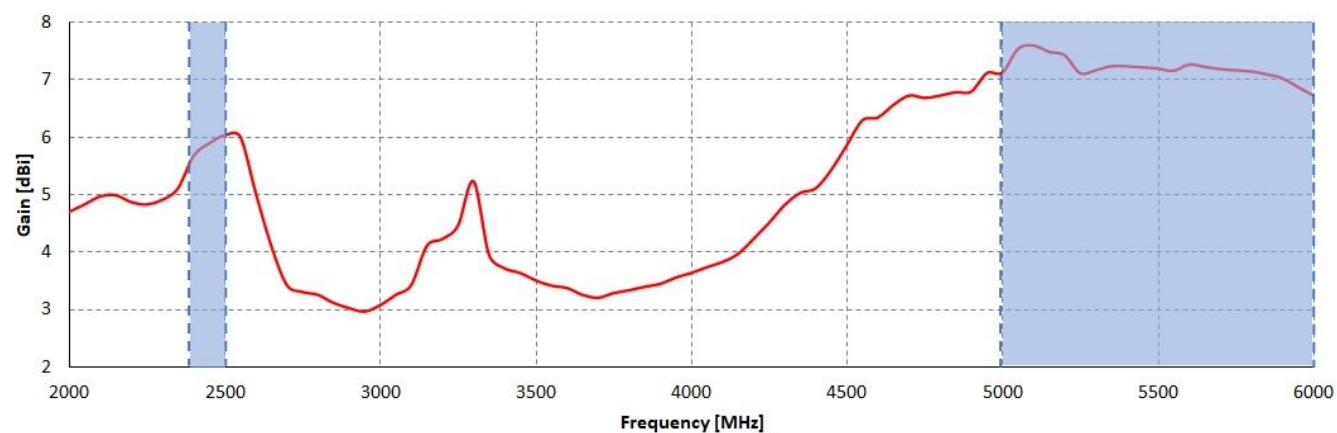
VSWSR for Wi-Fi antenna



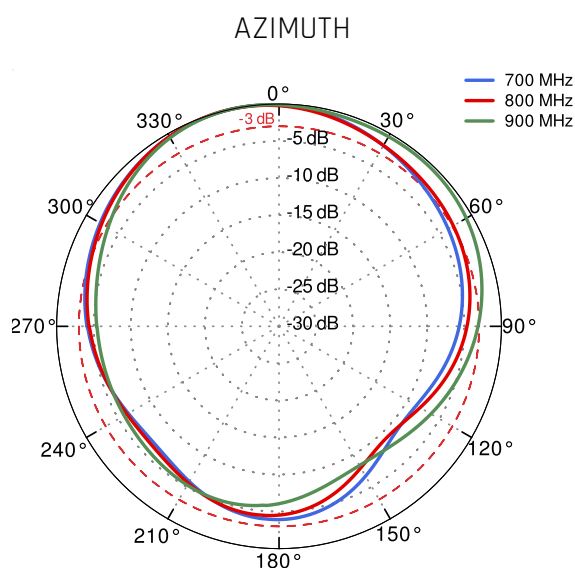
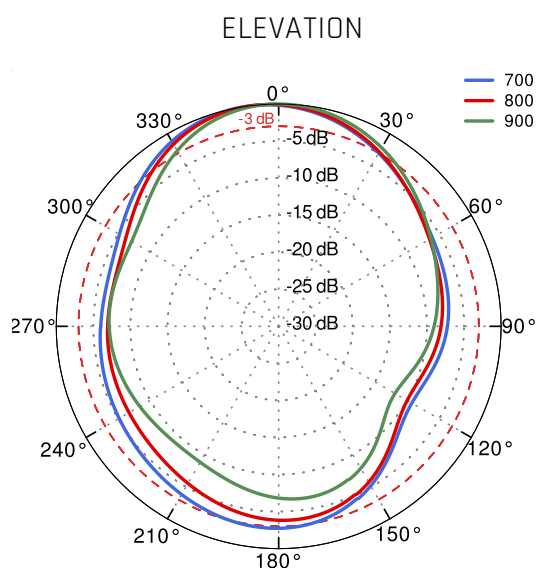
## Gain for LTE antenna



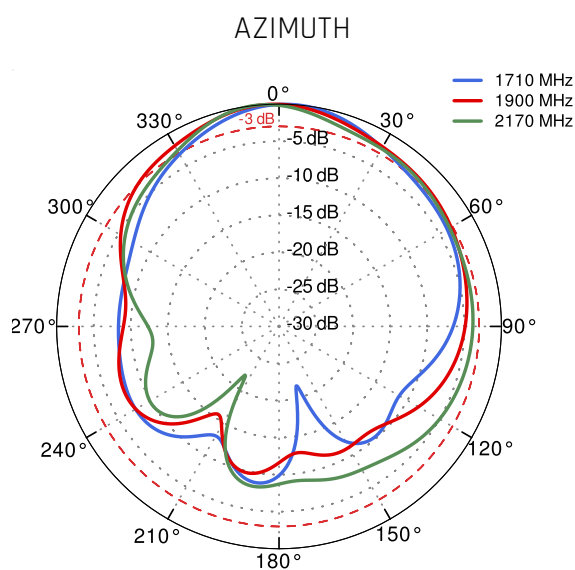
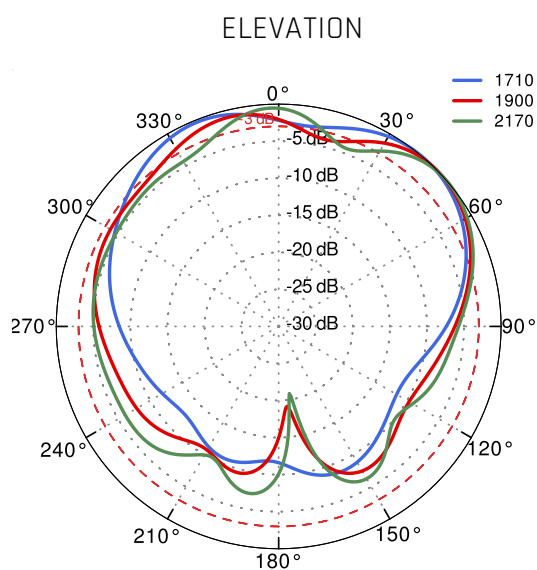
## Gain for Wi-Fi antenna



## LTE from 700MHz to 900MHz

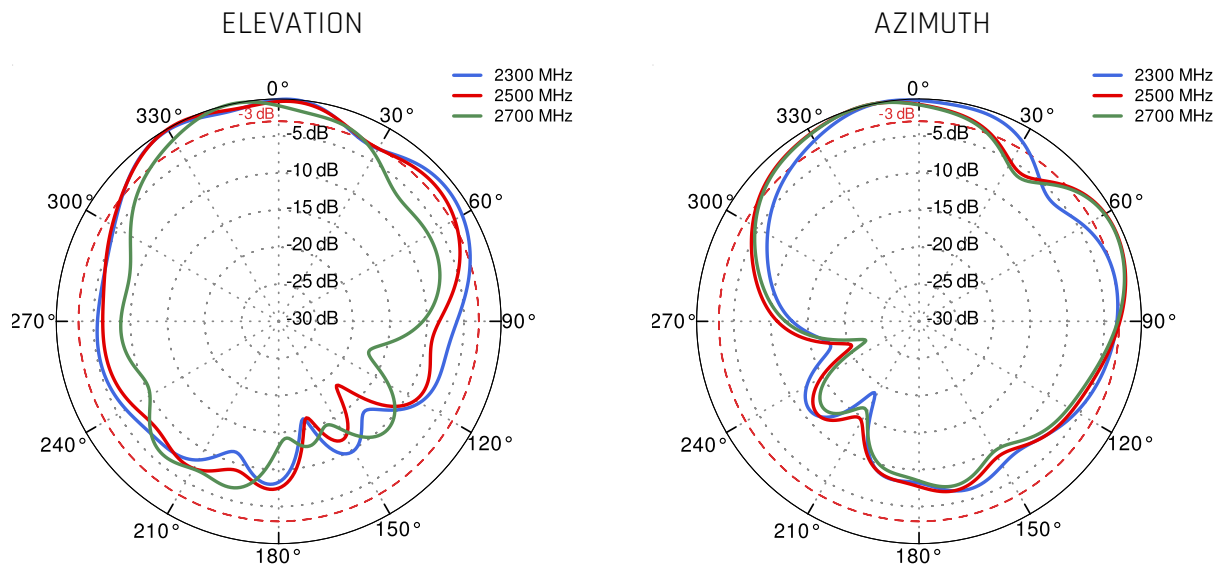


## LTE from 1.71GHz to 2.17GHz

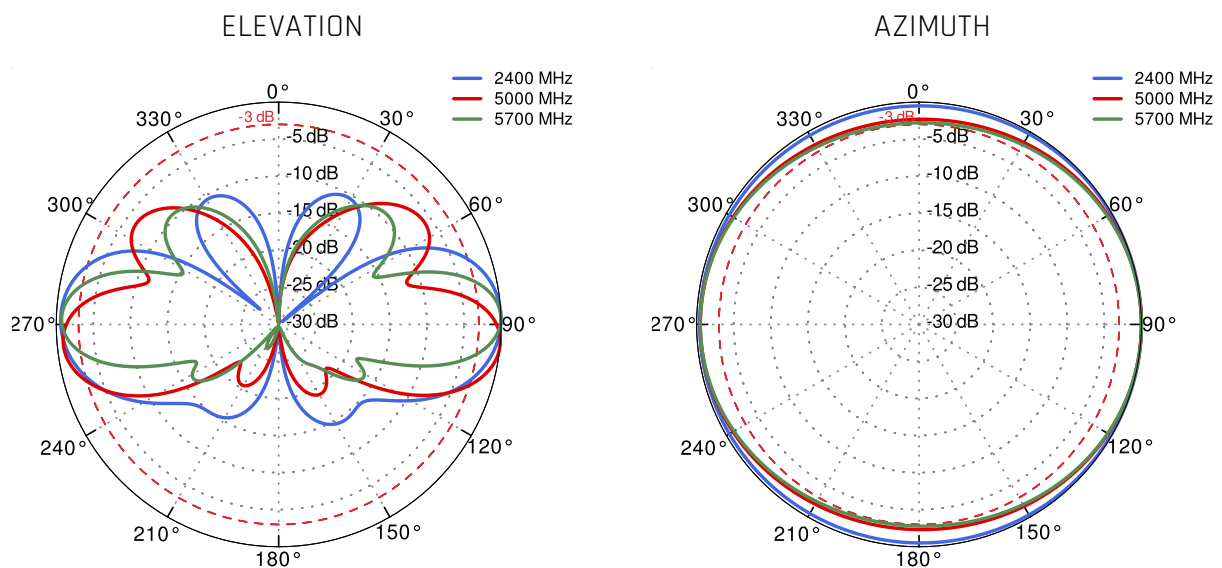




## LTE from 2.3GHz to 2.7GHz



## Wi-Fi 2.4GHz and 5GHz



## DIMENSIONS

